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Oregon

Theodore Kulongoski, Governor

Department of Environmental Quality
Northwest Region Portland Office
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November 26, 2007

Jim Goodrich
SCHNITZER STEEL INDUSTRIES, INC. - DBA.
PO Box 10047
Portland, OR 97296-0047

Re: NPDES 1200-Z Industrial Stormwater Discharge Permit Coverage
File No.: 108103
Multnomah County

Dear Jim Goodrich:

In August 2006, the Oregon Environmental Quality Commission adopted a newly revised National Pollutant Discharge Elimination System Industrial Stormwater Discharge Permit No. 1200-Z. The Oregon Department of Environmental Quality (DEQ) has received your application to renew your coverage under this permit. DEQ is approving your registration under the new permit. The permit expires on June 30, 2012.

The purpose of the stormwater permit is to ensure registrants are providing adequate Best Management Practices on site to minimize adverse impacts to the environment from stormwater runoff, and prevent violations of the state's instream water quality standards.

The Department has entered into an agreement with the City of Portland Bureau of Environmental Services (BES) to administer this permit on the Department's behalf. Please send any written correspondence regarding your registration under the permit, stormwater monitoring results, and any other information required by the permit to BES. Receipt by BES will be treated as receipt by DEQ for purposes of meeting permit requirements.

Permit Provisions

Please review your copy of the permit carefully as there are new conditions and requirements, some of which are listed below:

- Each monitored outfall must be sampled at least four (4) times per year, at least 14 calendar days apart. Two sampling events are to occur prior to December 31st each year and the remaining two are to occur between January 1 and June 30. Once a month you must conduct visual monitoring of your outfalls when stormwater discharge is occurring. Please use the Department's Discharge Monitoring Report (DMR) form to report your stormwater sampling and visual monitoring results to BES by July 31st each year.
- If a benchmark is exceeded within 30 calendar days of receiving the sampling results, you must investigate the cause, review the Storm Water Pollution Control Plan, and submit an Action Plan for approval to BES. See Section A.9 of the permit.

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- By June 30, 2011, evaluate the last four samples collected from each outfall for each benchmark parameter, calculate the geometric mean of the sample results, and report the geometric mean value on your DMR form. If the geometric mean of these sampling results exceeds any of the benchmark parameters, the Department will revoke your coverage under this permit and require that you apply for an individual NPDES permit.

A fact sheet comparing the new permit requirements to the old permit requirements is also included with this packet. In the coming months, DEQ will be completing a guidance document that should assist with implementing some of these new permit requirements. This document will be on the DEQ website at http://www.deq.state.or.us/wq/stormwater/industrial.htm. Other information such as permit forms, including the DMR form, and technical assistance on best management practices can be found on this website as well.

Please be aware that you will be assessed an annual fee for each year of permit coverage. The Department recently increased the annual fee revenue by 3%. As a result the annual fee increased from $391 to $403. The $403 fee will be invoiced shortly before the anniversary date of your facility first obtaining coverage under the permit.

If you have any questions about this permit, please contact Michael Pronold, stormwater manager at the City of Portland at (503) 823-7584. Please send any written correspondence to:

City of Portland
Bureau of Environmental Services (BES)
Water Pollution Control Laboratory
6543 N. Burlington Avenue
Portland, Oregon 97203-5452
Attn: Michael Pronold E-mail: mailto:michael.p@bes.ci.portland.or.us

Sincerely,

Dennis Jurries

Dennis Jurries, PE
Northwest Region Storm Water Engineer

Enclosure

cc: BES – Michael Pronold
File

New 1200-Z Permit Requirements

Category	Old 1200-Z	New 1200-Z
Benchmark Exceedances	Review and update the Storm Water Pollution Control Plan (SWPCP).	Within 30 days of receiving the results of a benchmark exceedance, submit Action Plan that contains (1) results of review, (2) a corrective action, (3) and an implementation schedule.
Sampling	Sampling 2 times per year.	Sampling 4 times per year
	Samples must be collected at least 60 days apart.	Samples must be collected at least 14 days apart.
Time or flow-weighted composite samples	No allowance for time or flow-weighted composite sampling for grab samples.	Time or flow-weighted composite samples can be used, except for pH, oil & grease, and e.coli as an alternative to grab samples.
Monitoring Period	One sample collected between October 1st and December 31st and one sample collected between January 1st and April 30th.	Two samples collected between July 1st and December 31st and two samples collected between January 1st and June 30th.
Employee Training	Develop an employee education program. Inform employees on the elements of the SWPCP, including spill response and good housekeeping.	Hold training within 30 days of hiring new employee who will conduct duties related to implementing the SWPCP or working in areas where stormwater is exposed to industrial activities. Conduct education program annually.
Monthly Inspections	Monthly inspections of areas where potential spills of significant materials or industrial activities occur. May occur during any weather.	Same.
	Monthly inspections of stormwater control measures, structures, catch basins, and treatment facilities.	Same.
Visual Monitoring	**Monthly** visual monitoring for (1) oil and grease, and (2) floating solids at all outfall(s) or discharge point(s) where stormwater monitoring will occur. Must occur while discharging stormwater, i.e. when it is raining.	Same.
Documentation	Records of inspection, maintenance and repair, education activities, and any spills.	Same.
Monitoring Waiver	Monitoring waiver can be obtained for individual parameters after four consecutive samples collected are at or below the benchmark.	Limited to one permit term. Re-sample designated sampling points to establish the waiver.
	ALL outfalls must be sampled unless (1) outfall serves area with no exposure to industrial activity or (2) outfall has similar effluents as other monitored outfalls. Data or analysis must be provided to support this determination.	**ALL** outfalls must be sampled unless (1) outfall serves an area with no exposure to industrial activity or (2) outfall has similar effluents and *same BMPs* as other monitored outfalls. Data or analysis must be provided to support this determination.
	No monitoring waiver for visual observations	Same.
Data Submittal	Submit annual reports and laboratory results sheets to the DEQ by July 15th.	Submit Discharge Monitoring Report form (DMR) along with laboratory results sheets to DEQ or Agent by July 31st.
		In the 4th year only, evaluate the last 4 samples collected from each outfall for each benchmark parameter, calculate the geometric mean of sample results, and report geometric mean value in DMR.
Authorization of Non-Stormwater	No authorization for non-stormwater discharges in permit.	Authorization for certain discharges such as fire-fighting activities, fire hydrants, potable water, irrigation drainage, landscape watering.

SCHN00376083

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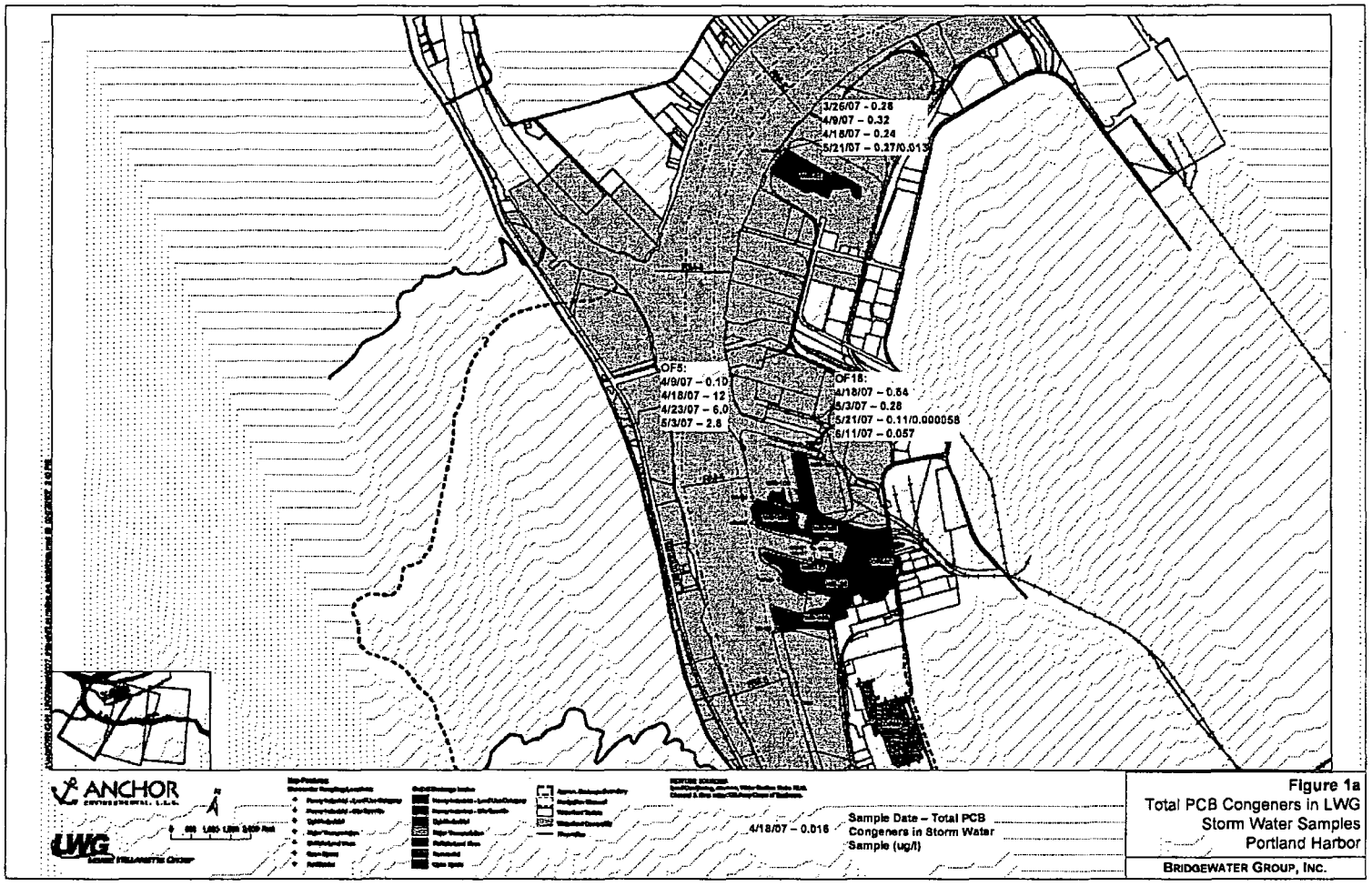

Figure 1a
Total PCB Congeners in LWG Storm Water Samples
Portland Harbor

BRIDGEWATER GROUP, INC.

SCHN00376084

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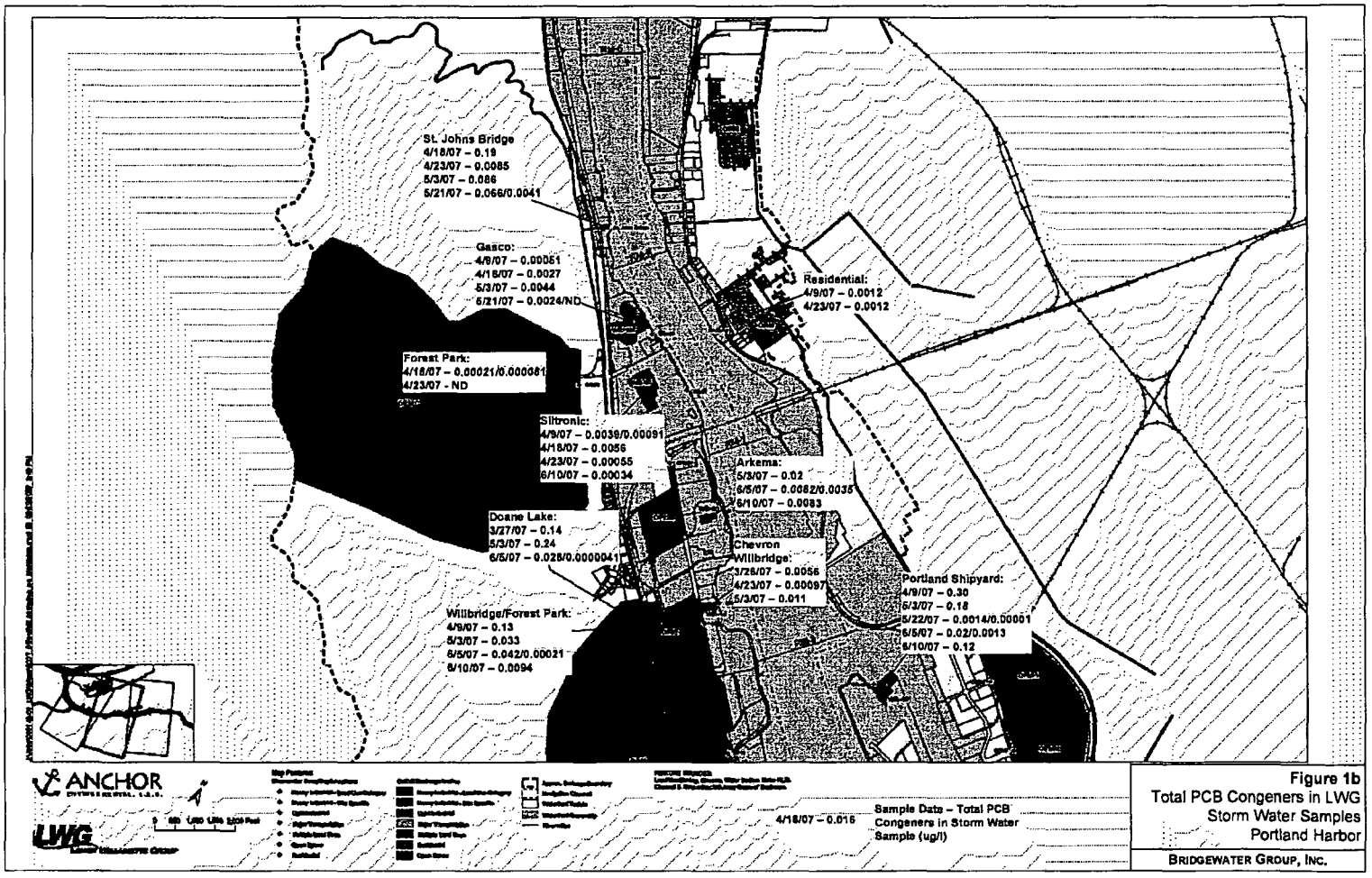

Figure 1b
Total PCB Congeners in LWG Storm Water Samples
Portland Harbor

BRIDGEWATER GROUP, INC.

SCHN00376085

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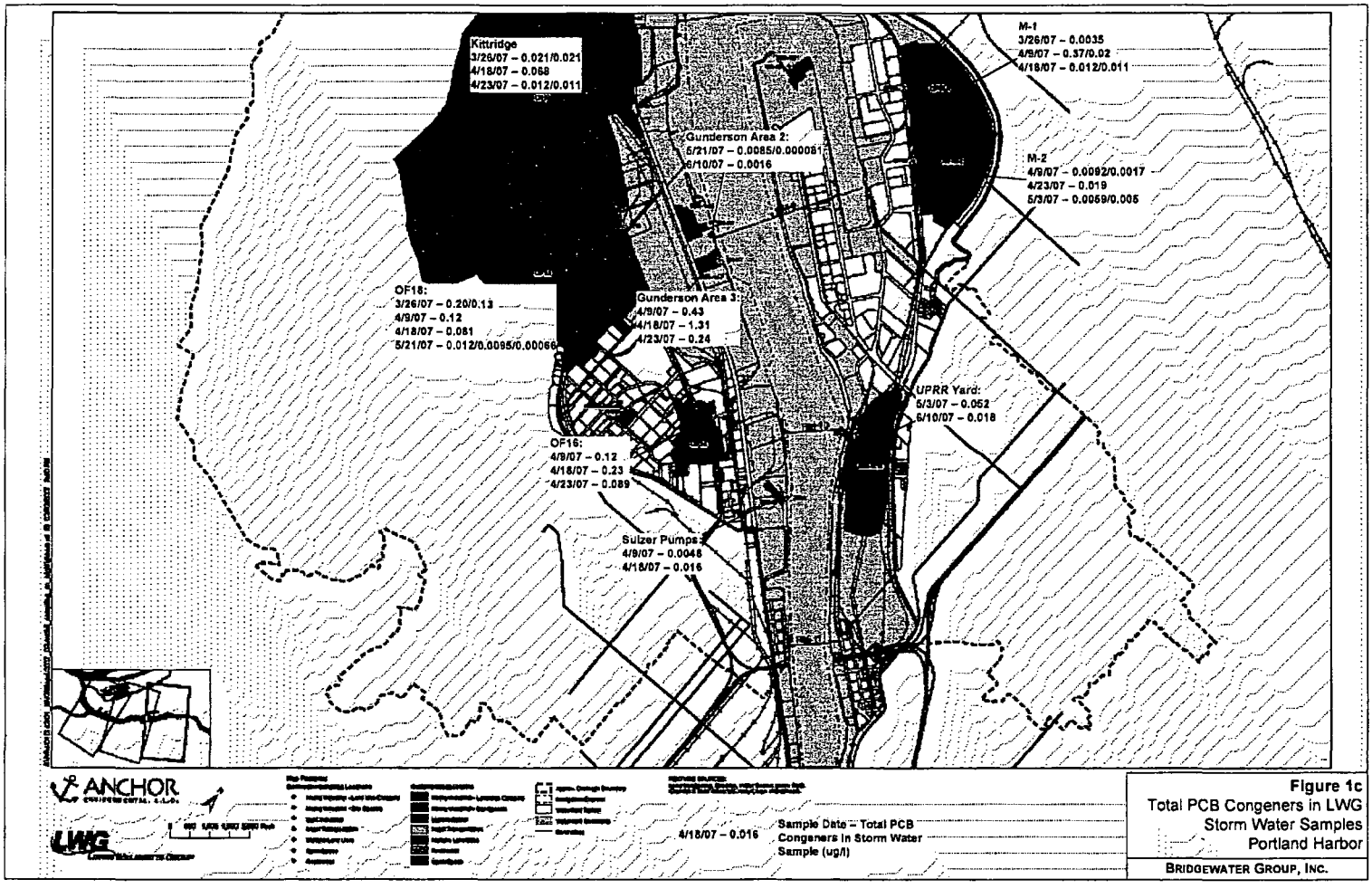

Figure 1c
Total PCB Congeners in LWG Storm Water Samples
Portland Harbor

BRIDGEWATER GROUP, INC.

SCHN00376086

	A	B	C	D
1				
2		New	Old	
3		Drainage	Drainage	
4	Outfall[1]	Basin[2]	Basin[3]	Date
5				
6	2	2	2	12/14/1993
7	3	3	3	12/14/1993
8	4	4	4	12/14/1993
9	6	5	6	12/14/1993
10	5	5	5	12/14/1993
11	7	6	7	12/14/1993
12	9	9	9	12/14/1993
13	14	14	14	12/14/1993
14	15	15	15	12/14/1993
15	16	16	16	12/14/1993
16	18	18	18	12/14/1993
17	11?	?	?	12/14/1993
18	17?	?	?	12/14/1993
19	12?	?	?	12/14/1993
20	2	2	2	12/14/1994
21	3	3	3	12/14/1994
22	4	4	4	12/14/1994
23	6	5	6	12/14/1994
24	5	5	5	12/14/1994
25	7	6	7	12/14/1994
26	10	10	10	12/14/1994
27	14	14	14	12/14/1994
28	15	15	15	12/14/1994
29	16	16	16	12/14/1994
30	18	18	18	12/14/1994
31	11?	?	?	12/14/1994
32	12?	?	?	12/14/1994
33	17?	?	?	12/14/1994
34	2	2	2	2/17/1995
35	3	3	3	2/17/1995
36	4	4	4	2/17/1995
37	5	5	5	2/17/1995
38	6	5	6	2/17/1995
39	7	6	7	2/17/1995
40	14	14	14	2/17/1995
41	15	15	15	2/17/1995

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1																	
2																	
3																	
4	pH	TSS		TPH		Copper		Lead		Zinc		Arsenic		Cadmium		Chromium	
5																	
6	8.3	32		4		0.06		0.11		0.7		0.005	U	0.004		0.01	
7	8.03	160		5	U	0.025		0.42		2.3		0.005		0.01		0.053	
8	6.85	170		6		0.01	U	0.06		0.16		0.007		0.002		0.014	
9	7.72	130		11		0.06		0.06		0.11		0.005	U	0.001		0.01	
10	7.77	110		13		0.08		0.14		0.49		0.005	U	0.004		0.025	
11	8.24	25		5	U	0.01	U	0.01		0.01	U	0.005	U	0.002	U	0.006	
12	8.64	330		5	U	0.15		0.68		0.81		0.005	U	0.03		0.048	
13	7.99	100		6		0.1		0.26		0.48		0.005	U	0.002		0.04	
14	7.93	10		5	U	0.01	U	0.02		0.1		0.005	U	0.001		0.012	
15	7.6	56		13		0.07		0.08		0.21		0.005	U	0.004		0.019	
16	8.24	25		8		0.16		0.31		0.52		0.005		0.003		0.059	
17	9.55	85		5	U	0.01	U	0.3		0.12		0.005	U	0.002	U	0.011	
18	9.04	38		5	U	0.01	U	0.09		0.28		0.005	U	0.001		0.026	
19	7.7	70		5	U	0.2		0.39		0.67		0.005	U	0.003		0.054	
20	8.43	530		20		0.34		0.74		5.9		0.01	U	0.026		0.082	
21	7.52	8		6		0.04		0.025		0.16		0.01	U	0.002	U	0.004	
22	7.74	30		5	U	0.13		0.033		0.13		0.01	U	0.002	U	0.08	
23	8.88	54		8		0.03		0.031		0.06		0.01	U	0.002	U	0.013	
24	7.46	280		8		0.12		0.3		0.74		0.01	U	0.006		0.048	
25	9.71	32		5	U	0.04		0.017		0.05		0.01	U	0.002	U	0.01	
26	7.75	10		5	U	0.01	U	0.005		0.05		0.01	U	0.002	U	0.01	U
27	7.76	81		11		0.11		0.19		0.39		0.01	U	0.002		0.036	
28	7.79	13		5	U	0.04		0.007		0.15		0.01	U	0.002	U	0.006	
29	7.3	12		2		0.03		0.022		0.15		0.01	U	0.002	U	0.006	
30	7.28	180		9		0.66		0.55		1.2		0.013		0.011		0.05	
31	7.66	76		5		0.05		0.056		0.13		0.01	U	0.002	U	0.014	
32	7.32	65		7		0.19		0.32		0.6		0.006		0.003		0.054	
33	8.52	180		6		0.28		0.55		0.77		0.006		0.006		0.095	
34	7.32	32		5	U	0.05		0.08		0.64		0.01	U	0.004		0.009	
35	8.15	340		19		0.55		1.1		6.7		0.013		0.031		0.15	
36	7.84	250		12		0.08		0.18		0.43		0.01	U	0.002		0.043	
37	9.8	28		5	U	0.01	U	0.005		0.03		0.01	U	0.002	U	0.01	U
38	7.61	140		16		0.16		0.33		1.2		0.01	U	0.004		0.056	
39	8.77	80		7		0.02		0.064		0.09		0.01	U	0.002	U	0.01	
40	9.08	40		8		0.11		0.21		0.52		0.01	U	0.002		0.039	
41	7.74	22		11		0.07		0.09		0.2		0.01	U	0.002	U	0.012	

	V	W	X	Y	Z	AA
1						
2						
3						
4	Mercury		Nickel		COD	
5						
6	0.0002	U	0.01	U		
7	0.0002	U	0.05			
8	0.0002	U	0.01	U		
9	0.0002	U	0.01	U		
10	0.0002	U	0.01	U		
11	0.0002	U	0.01	U		
12	0.0015		0.01	U		
13	0.0002	U	0.01	U		
14	0.0002	U	0.01	U		
15	0.0002	U	0.01	U		
16	0.0002	U	0.01	U		
17	0.0002	U	0.01	U		
18	0.0002	U	0.01	U		
19			0.01	U		
20	0.002		0.08			
21	0.0002	U	0.1	U		
22	0.0002	U	0.01	U		
23	0.0002	U	0.1	U		
24	0.0002	U	0.05			
25	0.0002	U	0.1	U		
26	0.0002	U	0.1	U		
27	0.0006		0.01			
28	0.0002	U	0.06			
29	0.0002	U	0.1			
30	0.004		0.08			
31	0.0002	U	0.1	U		
32	0.0016		0.02			
33	0.0002	U	0.03			
34	0.0002	U	0.01	U		
35	0.0029		0.11			
36	0.0002	U	0.02			
37	0.0002	U	0.02	U		
38	0.0016		0.06			
39	0.0002	U	0.1	U		
40	0.001		0.02			
41	0.0002	U	0.02			

	A	B	C	D
42	16	16	16	2/17/1995
43	18	18	18	2/17/1995
44	17?	?	?	2/17/1995
45	11?	?	?	2/17/1995
46	12?	?	?	2/17/1995
47	2	2	2	11/27/1995
48	3	3	3	11/27/1995
49	4	4	4	11/27/1995
50	6	5	6	11/27/1995
51	5	5	5	11/27/1995
52	7	6	7	11/27/1995
53	14	14	14	11/27/1995
54	15	15	15	11/27/1995
55	16	16	16	11/27/1995
56	18	18	18	11/27/1995
57	11?	?	?	11/27/1995
58	17?	?	?	11/27/1995
59	12?	?	?	11/27/1995
60	2	2	2	4/12/1996
61	3	3	3	4/12/1996
62	4	4	4	4/12/1996
63	6	5	6	4/12/1996
64	5	5	5	4/12/1996
65	7	6	7	4/12/1996
66	14	14	14	4/12/1996
67	15	15	15	4/12/1996
68	16	16	16	4/12/1996
69	18	18	18	4/12/1996
70	17?	?	?	4/12/1996
71	11?	?	?	4/12/1996
72	12?	?	?	4/12/1996
73	2	2	2	11/18/1996
74	3	3	3	11/18/1996
75	4	4	4	11/18/1996
76	6	5	6	11/18/1996
77	5	5	5	11/18/1996
78	2	2	2	5/28/1997
79	3	3	3	5/28/1997
80	4	4	4	5/28/1997
81	6	5	6	5/28/1997
82	2	2	2	12/9/1997

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
42	7.53	6		8		0.01	U	0.017		0.06		0.01	U	0.003		0.01	U
43	7.64	36		15		0.23		0.07		0.27		0.009		0.001		0.01	
44	7.62	8		5	U	0.01	U	0.002		0.09		0.01	U	0.002	U	0.017	
45	8.86	180		5	U	0.04		0.08		0.14		0.01	U	0.002	U	0.01	
46	7.73	140		10		0.35		0.78		1.1		0.012		0.004		0.084	
47	7.6	420		11		0.42		0.78		5.3		0.01	U	0.007		0.18	
48	7.5	27		3	U	0.06		0.05		0.24		0.01	U	0.002	U	0.01	
49	7	64		3	U	0.02		0.05		0.18		0.01	U	0.002	U	0.02	
50	7.3	24		3	U	0.01	U	0.02		0.05		0.01	U	0.002	U	0.01	U
51	8.5	280		6		0.12		0.22		0.54		0.01	U	0.002	U	0.05	
52	9.1	250		4		0.02		0.05		0.15		0.01	U	0.002	U	0.03	
53	8.8	460		14		0.64		1.2		4.1		0.02		0.01		0.45	
54	7.9	56		27		0.15		0.33		0.26		0.01	U	0.003		0.03	
55	7.4	17		3	U	0.03		0.05		0.15		0.01	U	0.002	U	0.01	
56	7.6	41		4		0.07		0.11		0.3		0.01	U	0.002	U	0.03	
57	9.1	200		3		0.07		0.09		0.2		0.01	U	0.002	U	0.03	
58	8.9	130		3	U	0.09		0.09		0.26		0.01	U	0.002	U	0.06	
59	7.3	1900		6		3.1		3.3		10		0.07		0.029		1	
60	7.9	720		5.3		0.6		1.2		8.7		0.013		0.024		0.14	
61	8.4	250		3.5		0.14		0.26		1.9		0.002		0.005	U	0.026	
62	8.1	1200		1.9		0.19		0.32		1.8		0.006		0.005	U	0.054	
63	8.5	540		1.9		0.08		0.11		0.29		0.005		0.005	U	0.023	
64	8.6	250		4.1		0.15		0.35		0.74		0.005		0.005	U	0.039	
65	9.2	130		3.5		0.073		0.14		0.3		0.006		0.005	U	0.029	
66	7.7	56		3.1		0.067		0.11		0.3		0.02	U	0.005	U	0.017	
67	8.5	110		8.6		0.14		0.34		0.43		0.006		0.005	U	0.019	
68	8.1	89		4.3		0.098		0.24		0.28		0.002		0.005	U	0.01	U
69	8.1	71		3.2		0.17		0.23		0.44		0.007		0.005	U	0.042	
70	8.9	95		2		0.085		0.16		0.27		0.003		0.005	U	0.034	
71	9.2	1200		5.4		0.27		0.54		1		0.021		0.005	U	0.14	
72	7.8	61		3.3		0.46		1.2		2.2		0.011		0.006		0.1	
73	8.17	1280		13.5		0.679		1.57		10.4		0.008		0.03		0.209	
74	7.91	304		8.2		0.17		0.318		1.45		0.005	U	0.004		0.058	
75	8.39	1350		18		1.32		2.76		7.87		0.014		0.03		0.3	
76	8.56	368		5.4		0.113		0.285		0.72		0.005	U	0.004	U	0.042	
77	8.34	860		14.8		0.198		0.461		1.27		0.006		0.004	U	0.086	
78	7.66	6		5	U			0.002		0.03		0.005	U	0.004	U	0.005	U
79	7.77	13		5	U			0.015		0.08		0.005	U	0.004	U	0.005	U
80	7.71	58		5	U			0.025		0.1		0.005	U	0.004	U	0.005	U
81	9.33	52		5	U			0.036		0.11		0.006		0.004	U	0.022	
82	7.82	184		40		0.31		0.606		4.47		0.005	U	0.016		0.041	

	V	W	X	Y	Z	AA
42	0.0002	U	0.03			
43	0.0013		0.04			
44	0.0002	U	0.1	U		
45	0.0002	U	0.1	U		
46	0.0025		0.05			
47	0.0014		0.1	U		
48	0.0002	U	0.1	U		
49	0.0002	U	0.1	U		
50	0.0002	U	0.1	U		
51	0.0006		0.1	U		
52	0.0002	U	0.1	U		
53	0.0046		0.1	U		
54	0.0004		0.1	U		
55	0.0002	U	0.1	U		
56	0.0008		0.1	U		
57	0.004		0.1	U		
58	0.0002	U	0.1	U		
59	0.012		0.35			
60	0.0029		0.13			
61	0.0002	U	0.027			
62	0.0007		0.044			
63	0.0003		0.033			
64	0.001		0.033			
65	0.0003		0.03			
66	0.0002	U	0.02	U		
67	0.001		0.037			
68	0.0004		0.04			
69	0.0007		0.026			
70	0.0003		0.02	U		
71	0.001		0.098			
72	0.003		0.074			
73	0.004		0.141			
74	0.0008		0.03			
75	0.0118		0.227			
76	0.0011		0.03			
77	0.0013		0.062			
78	0.0005	U	0.02	U		
79	0.0005	U	0.02	U		
80	0.0005	U	0.02	U		
81	0.0005	U	0.02	U		
82	0.0022		0.048			

	A	B	C	D
83	3	3	3	12/9/1997
84	4	4	4	12/9/1997
85	6	5	6	12/9/1997
86	5	5	5	12/9/1997
87	7	6	7	12/9/1997
88	2	2	2	5/20/1998
89	3	3	3	5/20/1998
90	4	4	4	5/20/1998
91	5	5	5	5/20/1998
92	6	5	6	5/20/1998
93	7	6	7	5/20/1998
94	2	2	2	11/23/1998
95	3	3	3	11/23/1998
96	4	4	4	11/23/1998
97	6	5	6	11/23/1998
98	5	5	5	11/23/1998
99	7	6	7	11/23/1998
100	7D	6	7	11/23/1998
101	2	2	2	5/3/1999
102	3	3	3	5/3/1999
103	4	4	4	5/3/1999
104	4D	4	4	5/3/1999
105	5	5	5	5/3/1999
106	6	5	6	5/3/1999
107	7	6	7	5/3/1999
108	2	2	2	11/11/1999
109	3	3	3	11/11/1999
110	4	4	4	11/11/1999
111	5	5	5	11/11/1999
112	6	5	6	11/11/1999
113	7	6	7	11/11/1999
114	14	14	14	11/11/1999
115	20	20	20	11/11/1999
116	2	2	2	3/4/2000
117	3	3	3	3/4/2000
118	4	4	4	3/4/2000
119	6	5	6	3/4/2000
120	5	5	5	3/4/2000
121	7	6	7	3/4/2000
122	20	20	20	3/4/2000
123	14	14	14	3/10/2000

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
83	7.63	96		12		0.267		0.424		3.21		0.005	U	0.011		0.023	
84	9.41	65		5	U	1.39		0.146		0.56		0.005	U	0.004	U	0.024	
85	9.98	101		5	U	0.565		0.115		0.28		0.005	U	0.004	U	0.021	
86	8.49	73		26		1.81		1.39		3.93		0.005	U	0.018		0.188	
87	8.87	452		9		0.505		0.263		0.63		0.005	U	0.004	U	0.031	
88	7.64	208		12.6		0.624		1.06		5.72							
89	7.96	94		5.1		0.586		0.394		2.51							
90	7.74	360		5.7		4.23		0.456		2.1							
91	7.6	130		3.3		0.431		0.562		1.61							
92	7.98	412		3.9		0.801		0.16		0.56							
93	8.16	270		4.5		0.203		0.078		0.29							
94	7.56	280		23		0.725		1.06		7.67							
95	6.87	200		9		7.08		0.344		0.806							
96	9.75	1120		18		0.499		0.26		0.973							
97	8.97	420		8		1.27		0.256		0.757							
98	8.36	220		9		4.76		0.284		0.49							
99	8.15	19		6		0.132		0.088		0.237							
100	8.2	46		8		0.169		0.116		0.336							
101	7.21	23		12		0.085		0.126		1.71							
102	7.09	5	U	5	U	0.051		0.027		0.262							
103	7.06	5	U	5	U	0.197		0.003		0.064							
104	7	6		5	U	0.199		0.004		0.063							
105	7.04	5	U	5	U	0.022		0.008		0.074							
106	7.05	5	U	5	U	0.073		0.004		0.012							
107	7.47	8		5	U	0.012		0.003		0.011							
108	7.61	200		16		0.663		1.23		7.87							
109	7.42	88		9		0.383		0.56		3.42							
110	8.46	287		9		2		0.138		0.634							
111	7.2	113		11		0.232		0.24		1.57							
112	9.14	272		14		1.12		0.083		0.274							
113	9.45	35		5	U	0.01	U	0.006		0.017							
114	8.25	13		12		0.052		0.034		0.547							
115	9.45	20		5	U	0.01	U	0.006		0.017							
116	7.79	160		7		0.323		0.396		2.91							
117	7.58	77		5	U	0.216		0.24		1.8							
118	10.35	36		5	U	0.138		0.039		0.218							
119	9.8	26		5	U	0.079		0.012		0.031							
120	7.91	112		6		0.214		0.228		1.38							
121	8.52	49		5	U	0.029		0.036		0.085							
122	9.4	14		5	U	0.01	U	0.006		0.018							
123	7.28	99		5	U	0.17		0.158		0.937							

	V	W	X	Y	Z	AA
83	0.0012		0.034			
84	0.0005	U	0.02	U		
85	0.0005	U	0.02	U		
86	0.0048		0.113			
87	0.0008		0.02	U		
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	A	B	C	D
124	16	16	16	3/10/2000
125	2	2	2	6/11/2000
126	3	3	3	6/11/2000
127	4	4	4	6/11/2000
128	6	5	6	6/11/2000
129	5	5	5	6/11/2000
130	7	6	7	6/11/2000
131	20	20	20	6/11/2000
132	2	2	2	10/20/2000
133	3	3	3	10/20/2000
134	4	4	4	10/20/2000
135	5	5	5	10/20/2000
136	6	5	6	10/20/2000
137	7	6	7	10/20/2000
138	16	16	16	10/20/2000
139	20	20	20	10/20/2000
140	2	2	2	10/30/2001
141	3	3	3	10/30/2001
142	4	4	4	10/30/2001
143	5A	5	5/6	10/30/2001
144	7	6	7	10/30/2001
145	14	14	14	10/30/2001
146	20	20	20	10/30/2001
147	2	2	2	5/22/2002
148	3	3	3	5/22/2002
149	5A	5	5/6	5/22/2002
150	7	6	7	5/22/2002
151	16	16	16	5/22/2002
152	1	1	1	2/16/2003
153	3	3	3	2/16/2003
154	4	4	4	2/16/2003
155	5A	5	5/6	2/16/2003
156	6A	6	7	2/16/2003
157	15	15	15	2/16/2003
158	16	16	16	2/16/2003
159	20	20	20	2/16/2003
160	3	3	3	6/20/2003
161	4	4	4	6/20/2003
162	14	14	14	6/20/2003
163	20	20	20	6/20/2003
164	1	1	1	12/5/2003
165	3	3	3	12/5/2003

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
124	7.09	40		**64**		**0.191**		0.177		0.429							
125	7.64	54		**12**		**0.229**		0.301		**1.82**							
126	7.65	15		8.2		**0.144**		0.109		0.485							
127	7.75	11		5	U	**0.101**		0.008		0.039							
128	7.98	13		5	U	0.018		0.003		0.01	U						
129	7.6	11		5	U	0.031		0.032		0.197							
130	8.16	5	U	5	U	0.014		0.011		0.038							
131	8.45	8		5	U	0.01	U	0.006		0.017							
132	7.31	13		9.6		0.03		0.019		0.287							
133	8.2	82		10		**0.554**		**0.441**		**2.3**							
134	7.11	30		5	U	**0.296**		0.02		0.088							
135	8.39	**206**		5	U	**0.24**		0.375		**1.51**							
136	8.3	**880**		5	U	**2.6**		0.23		**0.688**							
137	7.75	8		5	U	0.014		0.015		0.048							
138	7.18	64		5	U	0.09		0.094		0.342							
139	6.95	16		5	U	0.01	U	0.003		0.024							
140	7.04	14		5		0.081		0.153		**1.04**							
141	7.19	10		5		0.099		0.07		0.252							
142	7.94	5	U	5	U	0.045		0.014		0.04							
143	7.76	10		5	U	0.027		0.028		0.082							
144	8.1	36		5	U	0.034		0.059		0.231							
145	7.67	**156**		5	U	**0.193**		0.286		**1.23**							
146	8.23	28		5	U	0.018		0.028		0.057							
147	7.22	13		**13**		**0.17**		0.024		0.268							
148	7.38	11		5	U	0.019		0.002	U	0.076							
149	7.91	5	U	5	U	0.013		0.002	U	0.015							
150	8.42	59		5	U	0.025		0.016		0.106							
151	7.09	73		7.1		**0.144**		0.164		**0.654**							
152	7.23	14		6.9		0.071		0.096		0.46							
153	7.42	106		**17**		**0.18**		0.206		**1.56**							
154	8.23	5	U	5	U	**0.24**		0.0068		0.04							
155	8.44	8		5	U	0.04		0.0256		0.053							
156	7.34	5	U	5	U	0.01	U	0.004	U	0.01	U						
157	7.68	34		5.1		0.06		0.067		0.225							
158	8.2	45		5	U	0.071		0.114		0.427							
159	8.44	7		5	U	0.01	U	0.0046		0.047							
160	7.67	4		2	U	0.001	U	0.001	U	0.026							
161	7.85	48		7		0.001	U	0.001	U	0.041							
162	7.66	36		4		**0.11**		0.05		**0.96**							
163	8.01	25		2		0.001	U	0.001	U	0.025							
164	7.48	61		7.4		0.086		0.095		0.55							
165	8.12	22		5	U	0.099		0.048		**0.669**							

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	A	B	C	D
166	4	4	4	12/5/2003
167	5	5	5	12/5/2003
168	6A	6	7	12/5/2003
169	14	14	14	12/5/2003
170	16	16	16	12/5/2003
171	20	20	20	12/5/2003
172	1	1	1	5/8/2004
173	3	3	3	5/8/2004
174	4	4	4	5/8/2004
175	5	5	5	5/8/2004
176	6	6	7	5/8/2004
177	15	15	15	5/8/2004
178	16	16	16	5/8/2004
179	20	20	20	5/8/2004
180	1	1	1	12/13/2004
181	3	3	3	12/13/2004
182	4	4	4	12/13/2004
183	5	5	5	12/13/2004
184	6	6	7	12/13/2004
185	14	14	14	12/13/2004
186	16	16	16	12/13/2004
187	20	20	20	12/13/2004
188	1	1	1	3/26/2005
189	3	3	3	3/26/2005
190	4	4	4	3/26/2005
191	5	5	5	3/26/2005
192	6	6	7	3/26/2005
193	15	15	15	3/26/2005
194	16	16	16	3/26/2005
195	20	20	20	3/26/2005
196	3	3	3	4/1/2005
197	5	5	5	4/1/2005
198	6	6	7	4/1/2005
199	20	20	20	4/1/2005
200	3	3	3	5/10/2005
201	5	5	5	5/10/2005
202	6	6	7	5/10/2005
203	3	3		11/25/2005
204	4	4		11/25/2005
205	5	5		11/25/2005
206	6	6		11/25/2005
207	14	14		11/25/2005

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
166	7.45	5	U	5	U	0.023		0.0033		0.07							
167	8.04	12		5.3		0.032		0.0229		0.098							
168	7.37	27		5	U	0.012		0.0145		0.061							
169	7.98	8		5	U	0.011		0.0246		0.107							
170	8.03	23		5	U	0.029		0.0415		0.175							
171	7.86	6		5	U	0.01	U	0.002		0.013							
172	7.01	16		6.7		0.086		0.16		0.4							
173	7.67	8		3.2		0.026		0.064		0.24							
174	7.85	4		2.3		0.039		0.01	U	0.035							
175	7.88	8		2.6		0.024		0.036		0.086							
176	7.56	9		2	U	0.006		0.037		0.016							
177	7.68	**240**		8.9		**0.19**		0.354		**0.66**							
178	8.11	64		3.7		**0.15**		0.183		0.36							
179	8.01	32		3.6		0.018		0.025		0.1							
180	7.29	**280**		**11.2**		**0.2**		**0.691**		**2.2**							
181	7.21	130		9.6		**0.23**		0.398		**2.3**							
182	6.76	48		3.1		**0.12**		0.21		0.49							
183	7.05	100		4.4		**0.17**		**0.401**		**0.92**							
184	7.55	14		2	U	0.023		0.04		0.1							
185	7.71	15		2.4		0.037		0.066		0.19							
186	7.45	12		2		0.033		0.019		0.2							
187	7.38	18		2	U	0.009		0.005	U	0.028							
188	7.02	4		3.7		0.063		0.114		0.58							
189	6.81	12		2	U	0.066		0.119		**0.61**							
190	7.13	21		2	U	0.055		0.084		**0.9**							
191	7.01	60		2	U	0.093		0.217		0.59							
192	7.58	26		2	U	0.008		0.019		0.034							
193	8.1	34		6		0.058		0.086		0.17							
194	7.93	5		2	U	0.026		0.054		0.29							
195	7.92	8		2	U	0.019		0.027		0.29							
196	7.3	**216**		5.1		**0.343**		**0.791**		**4.1**							
197	7.2	**132**		5.1		**0.183**		**0.42**		**1.47**							
198	6.3	8		**24.1**		0.0104		0.022		0.0594							
199	6.3	44		5.3		0.0383		0.0555		0.264							
200	7.92	120		3.6		**0.11**		0.36		**1.7**							
201	7.55	120		2	U	**0.15**		0.199		0.6							
202	7	1.3		2	U	0.0032		0.0043		0.0065							
203	7.98	50		5.9		**0.18**		0.223		**2.7**							
204	6.96	10		3		0.034		0.005	U	0.075							
205	7.01	6.3		2	U	0.007		0.023		0.098							
206	8.1	9.3		2	U	0.005	U	0.005	U	0.004							
207	7.99	1	U	2	U	0.005	U	0.005	U	0.038							

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196	0.00189				820	
197	0.000831				88	
198	0.0000386				5	U
199	0.000083				38	
200	0.000068				6	
201	0.000057				19	
202	0.0000099				5	U
203						
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	A	B	C	D
208	15	15		11/25/2005
209	20	20		11/25/2005
210	3	3		3/16/2006
211	4	4		3/16/2006
212	5	5		3/16/2006
213	6	6		3/16/2006
214	15	15		3/16/2006
215	16	16		3/16/2006
216	20	20		3/16/2006
217	1	1		11/30/2006
218	6	6		11/30/2006
219	13	13		11/30/2006
220	14	14		11/30/2006
221	20	20		11/30/2006
222	6	6		5/20/2007
223	13	13		5/20/2007
224	14	14		5/20/2007
225	20	20		5/20/2007
226				
227				Benchmarks[4]
228				
229	Percent meeting benchmarks			
230				
231		Overall		
232				
233	1 - Outfall designation at time of sampling			
234	2 - Based on drainage basins shown in March 2003 SPCP			
235	3 - Based on drainage basins shown in October 1999 SPCP			
236	4 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria			

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
208	6.91	40		2	U	0.075		0.074		0.21							
209	7.86	3		2	U	0.005	U	0.005	U	0.006							
210	7.08	**170**		**14.4**		**0.27**		**0.71**		**10**							
211	7.82	10		6.1		**0.13**		0.071		0.26							
212	7.73	5		2	U	0.007		0.005		0.022							
213	8.84	1	U	2	U	0.005	U	0.005	U	0.003	U						
214	**9.01**	**210**		3.4		**0.14**		0.243		0.57							
215	**9.39**	92		2	U	0.1		0.224		**0.72**							
216	8.12	**160**		2.5		0.034		0.074		0.22							
217	7.92	**320**		**12.5**		**0.16**		0.375		**1.5**							
218	7.8	5		7.4		0.005		0.023		0.045							
219	8.98	**190**		6.9		**0.11**		0.177		**0.61**							
220	8.85	**150**		2.3		**0.13**		0.255		**0.74**							
221	7.23	53		2	U	0.005	U	0.056		0.06							
222	7.62	48		3.2		0.007		0.005	U	0.072							
223	7.46	15		3.5		0.047		0.04		0.2							
224	7.88	48		6.2		0.011		0.005	U	0.035							
225	7.31	8		2	U	0.048		0.017		0.21							
226																	
227	6 - 9	130		10		0.1		0.4		0.6		4.25		0.02		8.5	
228																	
229	90%	74%		84%		45%		86%		67%							
230																	
231						77%											
232																	
233																	
234																	
235																	
236																	

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227	0.01		7			
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230						
231						
232						
233						
234						
235						
236						

	A	B	C	D
1				
2		New	Old	
3		Drainage	Drainage	
4	Outfall[1]	Basin[2]	Basin[3]	Date
5				
6	2	2	2	12/14/1993
7	3	3	3	12/14/1993
8	4	4	4	12/14/1993
9	6	5	6	12/14/1993
10	5	5	5	12/14/1993
11	7	6	7	12/14/1993
12	9	9	9	12/14/1993
13	14	14	14	12/14/1993
14	15	15	15	12/14/1993
15	16	16	16	12/14/1993
16	18	18	18	12/14/1993
17	11?	?	?	12/14/1993
18	17?	?	?	12/14/1993
19	12?	?	?	12/14/1993
20	2	2	2	12/14/1994
21	3	3	3	12/14/1994
22	4	4	4	12/14/1994
23	6	5	6	12/14/1994
24	5	5	5	12/14/1994
25	7	6	7	12/14/1994
26	10	10	10	12/14/1994
27	14	14	14	12/14/1994
28	15	15	15	12/14/1994
29	16	16	16	12/14/1994
30	18	18	18	12/14/1994
31	11?	?	?	12/14/1994
32	12?	?	?	12/14/1994
33	17?	?	?	12/14/1994
34	2	2	2	2/17/1995
35	3	3	3	2/17/1995
36	4	4	4	2/17/1995
37	5	5	5	2/17/1995
38	6	5	6	2/17/1995
39	7	6	7	2/17/1995
40	14	14	14	2/17/1995
41	15	15	15	2/17/1995

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1																	
2																	
3																	
4	pH	TSS		TPH		Copper		Lead		Zinc		Arsenic		Cadmium		Chromium	
5																	
6	8.3	32		4		0.06		0.11		0.7		0.005	U	0.004		0.01	
7	8.03	160		5	U	0.025		0.42		2.3		0.005		0.01		0.053	
8	6.85	170		6		0.01	U	0.06		0.16		0.007		0.002		0.014	
9	7.72	130		11		0.06		0.06		0.11		0.005	U	0.001		0.01	
10	7.77	110		13		0.08		0.14		0.49		0.005	U	0.004		0.025	
11	8.24	25		5	U	0.01	U	0.01		0.01	U	0.005	U	0.002	U	0.006	
12	8.64	330		5	U	0.15		0.68		0.81		0.005	U	0.03		0.048	
13	7.99	100		6		0.1		0.26		0.48		0.005	U	0.002		0.04	
14	7.93	10		5	U	0.01	U	0.02		0.1		0.005	U	0.001		0.012	
15	7.6	56		13		0.07		0.08		0.21		0.005	U	0.004		0.019	
16	8.24	25		8		0.16		0.31		0.52		0.005		0.003		0.059	
17	9.55	85		5	U	0.01	U	0.3		0.12		0.005	U	0.002	U	0.011	
18	9.04	38		5	U	0.01	U	0.09		0.28		0.005	U	0.001		0.026	
19	7.7	70		5	U	0.2		0.39		0.67		0.005	U	0.003		0.054	
20	8.43	530		20		0.34		0.74		5.9		0.01	U	0.026		0.082	
21	7.52	8		6		0.04		0.025		0.16		0.01	U	0.002	U	0.004	
22	7.74	30		5	U	0.13		0.033		0.13		0.01	U	0.002	U	0.08	
23	8.88	54		8		0.03		0.031		0.06		0.01	U	0.002	U	0.013	
24	7.46	280		8		0.12		0.3		0.74		0.01	U	0.006		0.048	
25	9.71	32		5	U	0.04		0.017		0.05		0.01	U	0.002	U	0.01	
26	7.75	10		5	U	0.01	U	0.005		0.05		0.01	U	0.002	U	0.01	U
27	7.76	81		11		0.11		0.19		0.39		0.01	U	0.002		0.036	
28	7.79	13		5	U	0.04		0.007		0.15		0.01	U	0.002	U	0.006	
29	7.3	12		2		0.03		0.022		0.15		0.01	U	0.002	U	0.006	
30	7.28	180		9		0.66		0.55		1.2		0.013		0.011		0.05	
31	7.66	76		5		0.05		0.056		0.13		0.01	U	0.002	U	0.014	
32	7.32	65		7		0.19		0.32		0.6		0.006		0.003		0.054	
33	8.52	180		6		0.28		0.55		0.77		0.006		0.006		0.095	
34	7.32	32		5	U	0.05		0.08		0.64		0.01	U	0.004		0.009	
35	8.15	340		19		0.55		1.1		6.7		0.013		0.031		0.15	
36	7.84	250		12		0.08		0.18		0.43		0.01	U	0.002		0.043	
37	9.8	28		5	U	0.01	U	0.005		0.03		0.01	U	0.002	U	0.01	U
38	7.61	140		16		0.16		0.33		1.2		0.01	U	0.004		0.056	
39	8.77	80		7		0.02		0.064		0.09		0.01	U	0.002	U	0.01	
40	9.08	40		8		0.11		0.21		0.52		0.01	U	0.002		0.039	
41	7.74	22		11		0.07		0.09		0.2		0.01	U	0.002	U	0.012	

	V	W	X	Y	Z	AA	AB
1							
2							
3							
4	Mercury		Nickel		COD		
5							
6	0.0002	U	0.01	U			
7	0.0002	U	0.05				
8	0.0002	U	0.01	U			
9	0.0002	U	0.01	U			
10	0.0002	U	0.01	U			
11	0.0002	U	0.01	U			
12	0.0015		0.01	U			
13	0.0002	U	0.01	U			
14	0.0002	U	0.01	U			
15	0.0002	U	0.01	U			
16	0.0002	U	0.01	U			
17	0.0002	U	0.01	U			
18	0.0002	U	0.01	U			
19			0.01	U			
20	0.002		0.08				
21	0.0002	U	0.1	U			
22	0.0002	U	0.01	U			
23	0.0002	U	0.1	U			
24	0.0002	U	0.05				
25	0.0002	U	0.1	U			
26	0.0002	U	0.1	U			
27	0.0006		0.01				
28	0.0002	U	0.06				
29	0.0002	U	0.1				
30	0.004		0.08				
31	0.0002	U	0.1	U			
32	0.0016		0.02				
33	0.0002	U	0.03				
34	0.0002	U	0.01	U			
35	0.0029		0.11				
36	0.0002	U	0.02				
37	0.0002	U	0.02	U			
38	0.0016		0.06				
39	0.0002	U	0.1	U			
40	0.001		0.02				
41	0.0002	U	0.02				

	A	B	C	D
42	16	16	16	2/17/1995
43	18	18	18	2/17/1995
44	17?	?	?	2/17/1995
45	11?	?	?	2/17/1995
46	12?	?	?	2/17/1995
47	2	2	2	11/27/1995
48	3	3	3	11/27/1995
49	4	4	4	11/27/1995
50	6	5	6	11/27/1995
51	5	5	5	11/27/1995
52	7	6	7	11/27/1995
53	14	14	14	11/27/1995
54	15	15	15	11/27/1995
55	16	16	16	11/27/1995
56	18	18	18	11/27/1995
57	11?	?	?	11/27/1995
58	17?	?	?	11/27/1995
59	12?	?	?	11/27/1995
60	2	2	2	4/12/1996
61	3	3	3	4/12/1996
62	4	4	4	4/12/1996
63	6	5	6	4/12/1996
64	5	5	5	4/12/1996
65	7	6	7	4/12/1996
66	14	14	14	4/12/1996
67	15	15	15	4/12/1996
68	16	16	16	4/12/1996
69	18	18	18	4/12/1996
70	17?	?	?	4/12/1996
71	11?	?	?	4/12/1996
72	12?	?	?	4/12/1996
73	2	2	2	11/18/1996
74	3	3	3	11/18/1996
75	4	4	4	11/18/1996
76	6	5	6	11/18/1996
77	5	5	5	11/18/1996
78	2	2	2	5/28/1997
79	3	3	3	5/28/1997
80	4	4	4	5/28/1997
81	6	5	6	5/28/1997
82	2	2	2	12/9/1997

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
42	7.53	6		8		0.01	U	0.017		0.06		0.01	U	0.003		0.01	U
43	7.64	36		15		0.23		0.07		0.27		0.009		0.001		0.01	
44	7.62	8		5	U	0.01	U	0.002		0.09		0.01	U	0.002	U	0.017	
45	8.86	180		5	U	0.04		0.08		0.14		0.01	U	0.002	U	0.01	
46	7.73	140		10		0.35		0.78		1.1		0.012		0.004		0.084	
47	7.6	420		11		0.42		0.78		5.3		0.01	U	0.007		0.18	
48	7.5	27		3	U	0.06		0.05		0.24		0.01	U	0.002	U	0.01	
49	7	64		3	U	0.02		0.05		0.18		0.01	U	0.002	U	0.02	
50	7.3	24		3	U	0.01	U	0.02		0.05		0.01	U	0.002	U	0.01	U
51	8.5	280		6		0.12		0.22		0.54		0.01	U	0.002	U	0.05	
52	9.1	250		4		0.02		0.05		0.15		0.01	U	0.002	U	0.03	
53	8.8	460		14		0.64		1.2		4.1		0.02		0.01		0.45	
54	7.9	56		27		0.15		0.33		0.26		0.01	U	0.003		0.03	
55	7.4	17		3	U	0.03		0.05		0.15		0.01	U	0.002	U	0.01	
56	7.6	41		4		0.07		0.11		0.3		0.01	U	0.002	U	0.03	
57	9.1	200		3		0.07		0.09		0.2		0.01	U	0.002	U	0.03	
58	8.9	130		3	U	0.09		0.09		0.26		0.01	U	0.002	U	0.06	
59	7.3	1900		6		3.1		3.3		10		0.07		0.029		1	
60	7.9	720		5.3		0.6		1.2		8.7		0.013		0.024		0.14	
61	8.4	250		3.5		0.14		0.26		1.9		0.002		0.005	U	0.026	
62	8.1	1200		1.9		0.19		0.32		1.8		0.006		0.005	U	0.054	
63	8.5	540		1.9		0.08		0.11		0.29		0.005		0.005	U	0.023	
64	8.6	250		4.1		0.15		0.35		0.74		0.005		0.005	U	0.039	
65	9.2	130		3.5		0.073		0.14		0.3		0.006		0.005	U	0.029	
66	7.7	56		3.1		0.067		0.11		0.3		0.02	U	0.005	U	0.017	
67	8.5	110		8.6		0.14		0.34		0.43		0.006		0.005	U	0.019	
68	8.1	89		4.3		0.098		0.24		0.28		0.002		0.005	U	0.01	U
69	8.1	71		3.2		0.17		0.23		0.44		0.007		0.005	U	0.042	
70	8.9	95		2		0.085		0.16		0.27		0.003		0.005	U	0.034	
71	9.2	1200		5.4		0.27		0.54		1		0.021		0.005	U	0.14	
72	7.8	61		3.3		0.46		1.2		2.2		0.011		0.006		0.1	
73	8.17	1280		13.5		0.679		1.57		10.4		0.008		0.03		0.209	
74	7.91	304		8.2		0.17		0.318		1.45		0.005	U	0.004		0.058	
75	8.39	1350		18		1.32		2.76		7.87		0.014		0.03		0.3	
76	8.56	368		5.4		0.113		0.285		0.72		0.005	U	0.004	U	0.042	
77	8.34	860		14.8		0.198		0.461		1.27		0.006		0.004	U	0.086	
78	7.66	6		5	U			0.002		0.03		0.005	U	0.004	U	0.005	U
79	7.77	13		5	U			0.015		0.08		0.005	U	0.004	U	0.005	U
80	7.71	58		5	U			0.025		0.1		0.005	U	0.004	U	0.005	U
81	9.33	52		5	U			0.036		0.11		0.006		0.004	U	0.022	
82	7.82	184		40		0.31		0.606		4.47		0.005	U	0.016		0.041	

	V	W	X	Y	Z	AA	AB
42	0.0002	U	0.03				
43	0.0013		0.04				
44	0.0002	U	0.1	U			
45	0.0002	U	0.1	U			
46	0.0025		0.05				
47	0.0014		0.1	U			
48	0.0002	U	0.1	U			
49	0.0002	U	0.1	U			
50	0.0002	U	0.1	U			
51	0.0006		0.1	U			
52	0.0002	U	0.1	U			
53	0.0046		0.1	U			
54	0.0004		0.1	U			
55	0.0002	U	0.1	U			
56	0.0008		0.1	U			
57	0.004		0.1	U			
58	0.0002	U	0.1	U			
59	0.012		0.35				
60	0.0029		0.13				
61	0.0002	U	0.027				
62	0.0007		0.044				
63	0.0003		0.033				
64	0.001		0.033				
65	0.0003		0.03				
66	0.0002	U	0.02	U			
67	0.001		0.037				
68	0.0004		0.04				
69	0.0007		0.026				
70	0.0003		0.02	U			
71	0.001		0.098				
72	0.003		0.074				
73	0.004		0.141				
74	0.0008		0.03				
75	0.0118		0.227				
76	0.0011		0.03				
77	0.0013		0.062				
78	0.0005	U	0.02	U			
79	0.0005	U	0.02	U			
80	0.0005	U	0.02	U			
81	0.0005	U	0.02	U			
82	0.0022		0.048				

	A	B	C	D
83	3	3	3	12/9/1997
84	4	4	4	12/9/1997
85	6	5	6	12/9/1997
86	5	5	5	12/9/1997
87	7	6	7	12/9/1997
88	2	2	2	5/20/1998
89	3	3	3	5/20/1998
90	4	4	4	5/20/1998
91	5	5	5	5/20/1998
92	6	5	6	5/20/1998
93	7	6	7	5/20/1998
94	2	2	2	11/23/1998
95	3	3	3	11/23/1998
96	4	4	4	11/23/1998
97	6	5	6	11/23/1998
98	5	5	5	11/23/1998
99	7	6	7	11/23/1998
100	7D	6	7	11/23/1998
101	2	2	2	5/3/1999
102	3	3	3	5/3/1999
103	4	4	4	5/3/1999
104	4D	4	4	5/3/1999
105	5	5	5	5/3/1999
106	6	5	6	5/3/1999
107	7	6	7	5/3/1999
108	2	2	2	11/11/1999
109	3	3	3	11/11/1999
110	4	4	4	11/11/1999
111	5	5	5	11/11/1999
112	6	5	6	11/11/1999
113	7	6	7	11/11/1999
114	14	14	14	11/11/1999
115	20	20	20	11/11/1999
116	2	2	2	3/4/2000
117	3	3	3	3/4/2000
118	4	4	4	3/4/2000
119	6	5	6	3/4/2000
120	5	5	5	3/4/2000
121	7	6	7	3/4/2000
122	20	20	20	3/4/2000
123	14	14	14	3/10/2000

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
83	7.63	96		12		0.267		0.424		3.21		0.005	U	0.011		0.023	
84	9.41	65		5	U	1.39		0.146		0.56		0.005	U	0.004	U	0.024	
85	9.98	101		5	U	0.565		0.115		0.28		0.005	U	0.004	U	0.021	
86	8.49	73		26		1.81		1.39		3.93		0.005	U	0.018		0.188	
87	8.87	452		9		0.505		0.263		0.63		0.005	U	0.004	U	0.031	
88	7.64	208		12.6		0.624		1.06		5.72							
89	7.96	94		5.1		0.586		0.394		2.51							
90	7.74	360		5.7		4.23		0.456		2.1							
91	7.6	130		3.3		0.431		0.562		1.61							
92	7.98	412		3.9		0.801		0.16		0.56							
93	8.16	270		4.5		0.203		0.078		0.29							
94	7.56	280		23		0.725		1.06		7.67							
95	6.87	200		9		7.08		0.344		0.806							
96	9.75	1120		18		0.499		0.26		0.973							
97	8.97	420		8		1.27		0.256		0.757							
98	8.36	220		9		4.76		0.284		0.49							
99	8.15	19		6		0.132		0.088		0.237							
100	8.2	46		8		0.169		0.116		0.336							
101	7.21	23		12		0.085		0.126		1.71							
102	7.09	5	U	5	U	0.051		0.027		0.262							
103	7.06	5	U	5	U	0.197		0.003		0.064							
104	7	6		5	U	0.199		0.004		0.063							
105	7.04	5	U	5	U	0.022		0.008		0.074							
106	7.05	5	U	5	U	0.073		0.004		0.012							
107	7.47	8		5	U	0.012		0.003		0.011							
108	7.61	200		16		0.663		1.23		7.87							
109	7.42	88		9		0.383		0.56		3.42							
110	8.46	287		9		2		0.138		0.634							
111	7.2	113		11		0.232		0.24		1.57							
112	9.14	272		14		1.12		0.083		0.274							
113	9.45	35		5	U	0.01	U	0.006		0.017							
114	8.25	13		12		0.052		0.034		0.547							
115	9.45	20		5	U	0.01	U	0.006		0.017							
116	7.79	160		7		0.323		0.396		2.91							
117	7.58	77		5	U	0.216		0.24		1.8							
118	10.35	36		5	U	0.138		0.039		0.218							
119	9.8	26		5	U	0.079		0.012		0.031							
120	7.91	112		6		0.214		0.228		1.38							
121	8.52	49		5	U	0.029		0.036		0.085							
122	9.4	14		5	U	0.01	U	0.006		0.018							
123	7.28	99		5	U	0.17		0.158		0.937							

	V	W	X	Y	Z	AA	AB
83	0.0012		0.034				
84	0.0005	U	0.02	U			
85	0.0005	U	0.02	U			
86	0.0048		0.113				
87	0.0008		0.02	U			
88							
89							
90							
91							
92							
93							
94							
95							
96							
97							
98							
99							
100							
101							
102							
103							
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	A	B	C	D
124	16	16	16	3/10/2000
125	2	2	2	6/11/2000
126	3	3	3	6/11/2000
127	4	4	4	6/11/2000
128	6	5	6	6/11/2000
129	5	5	5	6/11/2000
130	7	6	7	6/11/2000
131	20	20	20	6/11/2000
132	2	2	2	10/20/2000
133	3	3	3	10/20/2000
134	4	4	4	10/20/2000
135	5	5	5	10/20/2000
136	6	5	6	10/20/2000
137	7	6	7	10/20/2000
138	16	16	16	10/20/2000
139	20	20	20	10/20/2000
140	2	2	2	10/30/2001
141	3	3	3	10/30/2001
142	4	4	4	10/30/2001
143	5A	5	5/6	10/30/2001
144	7	6	7	10/30/2001
145	14	14	14	10/30/2001
146	20	20	20	10/30/2001
147	2	2	2	5/22/2002
148	3	3	3	5/22/2002
149	5A	5	5/6	5/22/2002
150	7	6	7	5/22/2002
151	16	16	16	5/22/2002
152	1	1	1	2/16/2003
153	3	3	3	2/16/2003
154	4	4	4	2/16/2003
155	5A	5	5/6	2/16/2003
156	6A	6	7	2/16/2003
157	15	15	15	2/16/2003
158	16	16	16	2/16/2003
159	20	20	20	2/16/2003
160	3	3	3	6/20/2003
161	4	4	4	6/20/2003
162	14	14	14	6/20/2003
163	20	20	20	6/20/2003
164	1	1	1	12/5/2003
165	3	3	3	12/5/2003

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
124	7.09	40		**64**		**0.191**		0.177		0.429							
125	7.64	54		**12**		**0.229**		0.301		**1.82**							
126	7.65	15		8.2		**0.144**		0.109		0.485							
127	7.75	11		5	U	**0.101**		0.008		0.039							
128	7.98	13		5	U	0.018		0.003		0.01	U						
129	7.6	11		5	U	0.031		0.032		0.197							
130	8.16	5	U	5	U	0.014		0.011		0.038							
131	8.45	8		5	U	0.01	U	0.006		0.017							
132	7.31	13		9.6		0.03		0.019		0.287							
133	8.2	82		10		**0.554**		**0.441**		**2.3**							
134	7.11	30		5	U	**0.296**		0.02		0.088							
135	8.39	**206**		5	U	**0.24**		0.375		**1.51**							
136	8.3	**880**		5	U	**2.6**		0.23		**0.688**							
137	7.75	8		5	U	0.014		0.015		0.048							
138	7.18	64		5	U	0.09		0.094		0.342							
139	6.95	16		5	U	0.01	U	0.003		0.024							
140	7.04	14		5		0.081		0.153		**1.04**							
141	7.19	10		5		0.099		0.07		0.252							
142	7.94	5	U	5	U	0.045		0.014		0.04							
143	7.76	10		5	U	0.027		0.028		0.082							
144	8.1	36		5	U	0.034		0.059		0.231							
145	7.67	**156**		5	U	**0.193**		0.286		**1.23**							
146	8.23	28		5	U	0.018		0.028		0.057							
147	7.22	13		**13**		**0.17**		0.024		0.268							
148	7.38	11		5	U	0.019		0.002	U	0.076							
149	7.91	5	U	5	U	0.013		0.002	U	0.015							
150	8.42	59		5	U	0.025		0.016		0.106							
151	7.09	73		7.1		**0.144**		0.164		**0.654**							
152	7.23	14		6.9		0.071		0.096		0.46							
153	7.42	106		**17**		**0.18**		0.206		**1.56**							
154	8.23	5	U	5	U	**0.24**		0.0068		0.04							
155	8.44	8		5	U	0.04		0.0256		0.053							
156	7.34	5	U	5	U	0.01	U	0.004	U	0.01	U						
157	7.68	34		5.1		0.06		0.067		0.225							
158	8.2	45		5	U	0.071		0.114		0.427							
159	8.44	7		5	U	0.01	U	0.0046		0.047							
160	7.67	4		2	U	0.001	U	0.001	U	0.026							
161	7.85	48		7		0.001	U	0.001	U	0.041							
162	7.66	36		4		**0.11**		0.05		**0.96**							
163	8.01	25		2		0.001	U	0.001	U	0.025							
164	7.48	61		7.4		0.086		0.095		0.55							
165	8.12	22		5	U	0.099		0.048		**0.669**							

	V	W	X	Y	Z	AA	AB
124							
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148							
149							
150							
151							pre-permit
152							1
153							0
154							0
155							1
156							1
157							1
158							1
159							1
160							1
161							1
162							0
163							1
164							1
165							0

	A	B	C	D
166	4	4	4	12/5/2003
167	5	5	5	12/5/2003
168	6A	6	7	12/5/2003
169	14	14	14	12/5/2003
170	16	16	16	12/5/2003
171	20	20	20	12/5/2003
172	1	1	1	5/8/2004
173	3	3	3	5/8/2004
174	4	4	4	5/8/2004
175	5	5	5	5/8/2004
176	6	6	7	5/8/2004
177	15	15	15	5/8/2004
178	16	16	16	5/8/2004
179	20	20	20	5/8/2004
180	1	1	1	12/13/2004
181	3	3	3	12/13/2004
182	4	4	4	12/13/2004
183	5	5	5	12/13/2004
184	6	6	7	12/13/2004
185	14	14	14	12/13/2004
186	16	16	16	12/13/2004
187	20	20	20	12/13/2004
188	1	1	1	3/26/2005
189	3	3	3	3/26/2005
190	4	4	4	3/26/2005
191	5	5	5	3/26/2005
192	6	6	7	3/26/2005
193	15	15	15	3/26/2005
194	16	16	16	3/26/2005
195	20	20	20	3/26/2005
196	3	3	3	4/1/2005
197	5	5	5	4/1/2005
198	6	6	7	4/1/2005
199	20	20	20	4/1/2005
200	3	3	3	5/10/2005
201	5	5	5	5/10/2005
202	6	6	7	5/10/2005
203	3	3		11/25/2005
204	4	4		11/25/2005
205	5	5		11/25/2005
206	6	6		11/25/2005
207	14	14		11/25/2005

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
166	7.45	5	U	5	U	0.023		0.0033		0.07							
167	8.04	12		5.3		0.032		0.0229		0.098							
168	7.37	27		5	U	0.012		0.0145		0.061							
169	7.98	8		5	U	0.011		0.0246		0.107							
170	8.03	23		5	U	0.029		0.0415		0.175							
171	7.86	6		5	U	0.01	U	0.002		0.013							
172	7.01	16		6.7		0.086		0.16		0.4							
173	7.67	8		3.2		0.026		0.064		0.24							
174	7.85	4		2.3		0.039		0.01	U	0.035							
175	7.88	8		2.6		0.024		0.036		0.086							
176	7.56	9		2	U	0.006		0.037		0.016							
177	7.68	**240**		8.9		**0.19**		0.354		**0.66**							
178	8.11	64		3.7		**0.15**		0.183		0.36							
179	8.01	32		3.6		0.018		0.025		0.1							
180	7.29	**280**		**11.2**		**0.2**		**0.691**		**2.2**							
181	7.21	130		9.6		**0.23**		0.398		**2.3**							
182	6.76	48		3.1		**0.12**		0.21		0.49							
183	7.05	100		4.4		**0.17**		**0.401**		**0.92**							
184	7.55	14		2	U	0.023		0.04		0.1							
185	7.71	15		2.4		0.037		0.066		0.19							
186	7.45	12		2		0.033		0.019		0.2							
187	7.38	18		2	U	0.009		0.005	U	0.028							
188	7.02	4		3.7		0.063		0.114		0.58							
189	6.81	12		2	U	0.066		0.119		**0.61**							
190	7.13	21		2	U	0.055		0.084		**0.9**							
191	7.01	60		2	U	0.093		0.217		0.59							
192	7.58	26		2	U	0.008		0.019		0.034							
193	8.1	34		6		0.058		0.086		0.17							
194	7.93	5		2	U	0.026		0.054		0.29							
195	7.92	8		2	U	0.019		0.027		0.29							
196	7.3	**216**		5.1		**0.343**		**0.791**		**4.1**							
197	7.2	**132**		5.1		**0.183**		**0.42**		**1.47**							
198	6.3	8		**24.1**		0.0104		0.022		0.0594							
199	6.3	44		5.3		0.0383		0.0555		0.264							
200	7.92	120		3.6		**0.11**		0.36		**1.7**							
201	7.55	120		2	U	**0.15**		0.199		0.6							
202	7	1.3		2	U	0.0032		0.0043		0.0065							
203	7.98	50		5.9		**0.18**		0.223		**2.7**							
204	6.96	10		3		0.034		0.005	U	0.075							
205	7.01	6.3		2	U	0.007		0.023		0.098							
206	8.1	9.3		2	U	0.005	U	0.005	U	0.004							
207	7.99	1	U	2	U	0.005	U	0.005	U	0.038							

	V	W	X	Y	Z	AA	AB
166							1
167							1
168							1
169							1
170							1
171							1
172							1
173							1
174							1
175							1
176							1
177							0
178							0
179							1
180							0
181							0
182							0
183							0
184							1
185							1
186							1
187							1
188							1
189							0
190							0
191							1
192							1
193							1
194							1
195							1
196	0.00189				820		0
197	0.000831				88		0
198	0.0000386				5	U	0
199	0.000083				38		1
200	0.000068				6		0
201	0.000057				19		0
202	0.0000099				5	U	1
203							0
204							1
205							1
206							1
207							1

	A	B	C	D
208	15	15		11/25/2005
209	20	20		11/25/2005
210	3	3		3/16/2006
211	4	4		3/16/2006
212	5	5		3/16/2006
213	6	6		3/16/2006
214	15	15		3/16/2006
215	16	16		3/16/2006
216	20	20		3/16/2006
217	1	1		11/30/2006
218	6	6		11/30/2006
219	13	13		11/30/2006
220	14	14		11/30/2006
221	20	20		11/30/2006
222	6	6		5/20/2007
223	13	13		5/20/2007
224	14	14		5/20/2007
225	20	20		5/20/2007
226				
227				Benchmarks[4]
228				
229	Percent meeting benchmarks			
230				
231		Overall		
232				
233	1 - Outfall designation at time of sampling			
234	2 - Based on drainage basins shown in March 2003 SPCP			
235	3 - Based on drainage basins shown in October 1999 SPCP			
236	4 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria			

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
208	6.91	40		2	U	0.075		0.074		0.21							
209	7.86	3		2	U	0.005	U	0.005	U	0.006							
210	7.08	**170**		**14.4**		**0.27**		**0.71**		**10**							
211	7.82	10		6.1		**0.13**		0.071		0.26							
212	7.73	5		2	U	0.007		0.005		0.022							
213	8.84	1	U	2	U	0.005	U	0.005	U	0.003	U						
214	**9.01**	**210**		3.4		**0.14**		0.243		0.57							
215	**9.39**	92		2	U	0.1		0.224		**0.72**							
216	8.12	**160**		2.5		0.034		0.074		0.22							
217	7.92	**320**		**12.5**		**0.16**		0.375		**1.5**							
218	7.8	5		7.4		0.005		0.023		0.045							
219	8.98	**190**		6.9		**0.11**		0.177		**0.61**							
220	8.85	**150**		2.3		**0.13**		0.255		**0.74**							
221	7.23	53		2	U	0.005	U	0.056		0.06							
222	7.62	48		3.2		0.007		0.005	U	0.072							
223	7.46	15		3.5		0.047		0.04		0.2							
224	7.88	48		6.2		0.011		0.005	U	0.035							
225	7.31	8		2	U	0.048		0.017		0.21							
226																	
227	6 - 9	130		10		0.1		0.4		0.6		4.25		0.02		8.5	
228																	
229	97%	86%		93%		73%		93%		76%							
230																	
231						86%											
232																	
233																	
234																	
235																	
236																	

	V	W	X	Y	Z	AA	AB
208							1
209							1
210							0
211							0
212							1
213							1
214							0
215							0
216							0
217							0
218							1
219							0
220							0
221							1
222							1
223							1
224							1
225							1
226							
227	0.01		7				
228							
229							
230							65%
231							
232							
233							
234							
235							
236							

CITY OF PORTLAND
ENVIRONMENTAL SERVICES
Water Pollution Control Laboratory
6543 N. Burlington Avenue, Bldg. 217, Portland, Oregon 97203 • Sam Adams, Commissioner • Dean Marriott, Director

September 6, 2007

Mr. Jim Jakubiak
Schnitzer Steel Industries, Inc.
PO Box 10047
Portland, OR 97296-0047

Dear Mr. Jakubiak:

On September 4, 2007 The City received comments from DEQ regarding Schnitzer's SWPCP. Specific comments on Appendix A, Schnitzer's Scrap Metal Acceptance Policy, indicate there are concerns about what is done with improper or non-acceptable scrap storage & disposal. The current policy does outline what is and what is not acceptable scrap metal. It does not outline what Schnitzer's procedures are regarding unacceptable scrap that is found after the hauler has left. DEQ has asked that, "The City will request Schnitzer to update its plan (i.e. SWPCP) and provide additional information regarding the methods of storage and disposal of any improper wastes."

Based on this request from DEQ the City is asking that Schnitzer update Appendix A to outline its procedures on the methods of storage and disposal of any and all improper wastes that do make their way on to your facility. Please provide this requested update by October 10, 2007 to the City, so that it can be reviewed prior to being officially appended to the current SWPCP as well as open for public review and comments.

The City appreciates the effort and resources committed by Schnitzer Steel Industries to stormwater management at your facility, and your assistance with these issues is appreciated. If you have any questions contact me at 503-823-5537.

Sincerely,

Timothy P. Dean
Permit Manager
City of Portland
Industrial Stormwater Program

NORTHWEST ENVIRONMENTAL DEFENSE CENTER
10015 SW Terwilliger Blvd, Portland, Oregon 97219
Phone: (503) 768-6673 / Fax: (503) 768-6671
www.nedc.org

August 9, 2007

Stormwater
DEQ Northwest Region Office
2020 SW 4th Ave, Suite 400
Portland, OR 97201-4987

Re: 1200-Z Permit Application No. 108103, NEDC Comments

Dear DEQ Stormwater Permit Writer:

The Northwest Environmental Defense Center (NEDC) and Columbia Riverkeeper (jointly NEDC) submit these comments regarding the Schnitzer Steel Industries, Inc. DBA Schnitzer Steel Products Company (hereinafter, Schnitzer) request for coverage under the 1200-Z Industrial Stormwater General National Pollutant Discharge Elimination System (NPDES) Permit (hereinafter, 1200-Z Permit) and the information contained in the Schnitzer Permit Application, Number 108103.

NEDC's mission is to preserve and protect the environment and natural resources of the Pacific Northwest. Columbia Riverkeeper's mission is to restore and protect the water quality of the Columbia River and all life connected to it, from the headwaters to the Pacific Ocean. The membership of both organizations includes individuals who visit, recreate near or live in the vicinity of Schnitzer and the Willamette River. NEDC routinely comments on state-issued NPDES permits. As you are likely aware, the Pacific Environmental Advocacy Center (PEAC) submitted extensive comments on behalf of NEDC to DEQ in April 2006, regarding the inadequacies of the 1200-Z Permit. DEQ did not adequately improve its 1200-Z Permit in response to those comments. NEDC therefore incorporates the April 2006 comments into these site-specific comments by reference and urges DEQ to reevaluate its current approach to regulating industrial stormwater discharges. Without a wholesale revision to the 1200-Z Permit, or, at a minimum, significant site-specific improvements to stormwater controls and permit requirements at each industrial facility, DEQ cannot meet its obligations under the Clean Water Act. Because the 1200-Z Permit is so flawed, and because NEDC has identified many of the flaws with the 1200-Z Permit in previous comments, these comments will focus specifically on the Schnitzer facility, Permit Application Number 108103.

The Permit Application Lacks Essential Information

As noted in the April 2006 comments, DEQ's permit application for industrial stormwater discharges is wholly deficient. The permit application does not ask for all the necessary information that DEQ must obtain prior to determining that a particular discharge qualifies for coverage under the 1200-Z permit.

Federal regulations require dischargers of storm water associated with industrial activity to apply for an individual permit or seek coverage under a promulgated storm water general permit. Existing sources must submit an application for an individual or general permit containing *quantitative data* based on samples collected during storm events from all outfalls containing storm water discharge associated with industrial activity. 40 C.F.R. § 122.26(c)(1)(E)(1). New sources must submit estimates for the pollutants or parameters limited in an effluent guideline. 40 C.F.R. § 122.26(c)(1)(G). These regulations apply to all dischargers in Oregon. 40 C.F.R. § 123.25.

EPA's permit application (which is available through DEQ's website, but which DEQ does not use for stormwater discharges) provides an example of what a permit application must contain to satisfy the requirements of 40 C.F.R. 122.26(c)(1)(E)(1). Items VIII-A, B, C ask the applicant to collect and report on the pollutants discharged for each of the applicant's outfalls. By requiring each applicant to list the pollutants they discharge, EPA not only complies with 40 C.F.R. 122.26(c)(1)(E)(1), but is also able to obtain an accurate record of the pollutants that applicants will likely discharge into waterbodies. EPA also has very clear instructions concerning how this information must be reported and how the samples must be analyzed. These instructions insure that EPA receives uniform results that it can easily compare to sampling results from other applicants and permittees.

In addition, EPA's Form 2F Item IV-B requires applicants to provide a description of any significant materials that are currently or have been treated, stored or disposed of in the past and that are or have been exposed to storm water. EPA also asks for any existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the applicant's facility in the past three years. Form 2F Item VI. This thorough inquiry into current exposures, past exposures, and leaks or spills allows EPA to gain an understanding of what pollutants the general permit needs to include in its monitoring requirements and what BMPs EPA should require in the SWPCP.

Contrary to EPA, DEQ has not required such specificity and as a result, Schnitzer's application is lacking. Schnitzer is located on property that was once a shipyard. According to its SWPCP, two outfalls remain from the old facility, but Schnitzer makes no mention of the previous activities that took place at the site and the materials used, nor does Schnitzer provide a history of leaks or spills at the site.

According to its website, Schnitzer is "one of the nation's largest recyclers of ferrous metals."[1] The SWPCP says ferrous scrap metal recovery and recycling is conducted at the facility through shredding, shearing, or torching metals delivered by private or commercial entities by truck, rail, or barge. The scrap it receives consists of a "wide variety of recycled items including metal

[1] Schnitzer Steel Products, *Profile*, www.schnitzersteel.com/profile (last accessed August 3, 2007).

parts, automobiles, appliances, and steel fabrication remnants."[2] However, because DEQ fails to ask, the permit does not include information regarding what kinds of metal parts and appliances are received, the specific by-products of the different recycling processes, the quantity of the by-products and the effect these processes have on the temperature of the water. While Schnitzer does list "heavy metals" as a potential pollutant, it fails to state what specific substances it included under the "heavy metals" category, and the potential quantity of each. For example, working with steel can release significantly dangerous materials including cyanide, fluoride, chromium, cadmium, and phenol.[3]

1) Why doesn't DEQ require more specific information on Schnitzer's stormwater discharge? How can DEQ insure adequate protection of water quality in absence of this information?

In addition, of the 18 outfalls on the property, Schnitzer tests only half. Many of the outfalls not tested are likely to pose a significant environmental threat. For example, neither Outfall 2 nor Outfall 10 were tested in 2003, 2004, and 2005. Outfall 2 is located at the shredder residue staging area and is the location of storage for crushed automobiles. Outfall 13 is located at the hydraulic shear where dock activities take place and scrap metal is loaded and unloaded. Outfalls 5 and 6 have been tested together but the activities present at these sites are not similar activities.

In the new 1200-Z permit, Schnitzer will be allowed to discontinue the collection of grab samples for the remainder of the permit term if four of the last consecutive samples do not exceed any benchmark. This allowance fails to account for the activities taking place before and after the relevant samples. For example, Schnitzer could resume an activity that had not been taking place during the sampling period or begin a new activity after the waiver is granted. Thus, activities that typically lead to more pollutants in stormwater may be practiced once the monitoring waiver is established, and continue unchecked for the reminder of the permit term.

The need for more information to help ensure adequate protection is especially true for a river that has been fraught with pollution problems, including "elevated levels" of arsenic, chromium, copper, lead, manganese, nickel and zinc in numerous locations along the river.[4] This is of particular concern given the river's designated uses for drinking water, anadromous fish passage, and aquatic life.[5]

2) Why is Schnitzer allowed to determine which outfalls it tests? Why is Schnitzer not required to test all of its outfalls?

3) Why aren't the monitoring forms specific and thoroughly tailored to protect the water quality of the Willamette River?

---

[2] Schnitzer Steel Products, *Stormwater Pollution Control Plan*, 3.1 at 5 (March 2003).

[3] World Bank Group, Pollution Prevention and Abatement Handbook, *Iron and Steel Manufacturing*, (June 1998) (available at http://www.ifc.org/ifcext.enviro.nsf/Content/EnvironmentalGuidelines).

[4] DEQ, *Oregon's 2004/2006 Integrated Report*, available at http://www.deq.state.or.us/wq/assessment/rpt0406/results.asp (last accessed August 3, 2007).

[5] *Id.*

4) Why does DEQ waive Schnitzer's monitoring requirements if at least four samples meet the requisite benchmarks? How can this ensure protection of water quality standards? How can DEQ know what Schnitzer discharges if it is not required to monitor its discharges?

5) Did DEQ determine that Schnitzer's discharges consist only of stormwater and not process wastewater?

The Schnitzer Renewal Permit Application contains only minimal information. It indicates the only changes to its activities are upgrades to both its stormwater control measures and BMPs to meet benchmark standards. The application fails to state the specifics of those upgrades and how the changes will ensure benchmarks will not continue to be exceeded. This is briefly mentioned in Schnitzer's SWPCP, but what is provided is still lacking, as is discussed below.

In addition, DEQ's form requests water monitoring data, which Schnitzer indicates it has provided. However, Schnitzer has repeatedly failed to meet all monitoring requirements despite its assurance to DEQ it would do so. A Notice of Noncompliance was issued to Schnitzer by DEQ on September 15, 2006 regarding its monitoring violations for the permit year July 1, 2005 through June 30, 2006. Further, DEQ's standard renewal application gives no information about what is currently being discharged from the Schnitzer facility. The answers to the questions presented in the application are simply "no".

From this application, DEQ cannot determine which pollutants Schnitzer is discharging, the quantities or concentrations of the pollutant discharges, the frequency of the discharges, or the impacts that the discharges will have on the Willamette River.

6) Is this information verified in some way by DEQ?

7) How is Schnitzer held accountable for the answers that are given on the form?

8) Does DEQ have any procedure for confirming that the answers being given are accurate?

Ultimately, the DEQ renewal application form is insufficient and the agency must create a more specific application and procedures to assure that the facilities are held accountable for their answers.

The SWPCP for Schnitzer is Inadequate

Section 402 states that all permits must meet all applicable requirements under CWA § 301. 33 U.S.C. § 1342(a)(1). Section 301, in turn, requires all discharges to achieve, technology-based treatment controls. 33 U.S.C. § 1311(b). Discharges of toxic pollutants must be treated pursuant to the best available technology (BAT), 33 U.S.C. § 1311(b)(2)(A), and other pollutant discharges must comply with best conventional technology (BCT). 33 U.S.C. § 1311(b)(2)(E). Each of these treatment categories is translated into effluent limitations, which must be reflected in permits as restrictions on rates, quantities, and concentrations of pollutants.

In developing the 1200-Z Permits, DEQ stated that it views each facility's development and implementation of a Storm Water Pollution Control Plan (SWPCP) as meeting the technology-based requirements of the CWA. DEQ also now assumes that compliance with the SWPCP provisions is sufficient to meet the applicable water quality standards. For DEQ to reach these conclusions, it must have some basis to do so. Yet, a review of the Schnitzer SWPCP provides no basis on which DEQ could conclude that the SWPCP implements either the technology-based or water quality requirements of the CWA.

As stated in its SWPCP, Schnitzer is located on 70 acres and in close proximity to a number of other industrial facilities. This makes it all the more essential for the company to have a comprehensive and protective SWPCP, but its plan is lacking. The inadequacy of the SWPCP may be attributed to the fact that DEQ's 1200-Z general permit contains no reference to the scientific research and analysis performed by numerous agencies and organizations on creative and proven approaches of limiting stormwater flow intensity and volume. The absence of encouragement in this area represents a significant missed opportunity. Instead, the permit allows Schnitzer to subjectively and unilaterally choose from an assortment of potential BMPs without consideration of whether the chosen BMP is appropriately tailored for its facility.

9) Did DEQ specifically review and evaluate the adequacy of the Schnitzer SWPCP? Please provide relevant data or analysis.

Schnitzer claims it has a stringent scrap metal acceptance policy that requires waste materials be removed from discarded items prior to acceptance, however the SWPCP admits that waste items are sometimes delivered improperly. These improper wastes could include air-conditioning coolants, lubricants, aerosols, lead batteries and mercury switches. The SWPCP says any improper waste Schnitzer does receive is temporarily stored under cover pending offsite shipment. The SWPCP makes no mention of how these improper wastes are detected, how long they are stored on the property, or how they are handled during the offsite shipment process. Nor does the SWPCP mention these improper wastes in its "significant materials" list and thus fails to properly address the management of these substances. The SWPCP states one way it attempts to elevate the awareness of scrap suppliers regarding Schnitzer's acceptance policy is by hanging signs around the facility. This means that there may be many cases in which the wastes Schnitzer considers improper are transported to the facility, as the suppliers may not know of the acceptance policy until they arrive. The SWPCP fails to include any contingency if the toxic waste cannot be shipped offsite. Further, the SWPCP does not mention when the waste materials are removed from a delivery and whether or not this occurs on site.

10) Did DEQ specifically evaluate Schnitzer's scrap metal acceptance policy? How does DEQ ensure Schnitzer is adhering to its policy so that any improper waste does not come into contact with stormwater discharges?

Yet another inadequacy of Schnitzer's SWPCP is its complete failure to mention any control plans for what it classifies as ship slip and dock facilities. The specifics of these activities are not enumerated, not does the plan mention whether the scrap metals received by barge are examined for improper waste before or after the metal is loaded off the barges. This is

particularly troubling given the fact these activities could result in pollutants coming in direct contact with the Willamette River.

11) Did DEQ determine the specifics of these activities? How will DEQ ensure these activities will not result in discharges into the Willamette River?

Schnitzer relies on housekeeping to keep its area clean, including sweeping the outside areas and prohibiting personnel from leaving the area with their work gear. Many housekeeping measures have been deemed inadequate for controlling stormwater pollutant discharges. Schnitzer's only proposals for debris controls are weekly broom sweeping, monthly magnetic sweeping, and the presence of trash dumpsters around the site. The SWPCP does not state how often the trash dumpsters are cleaned or removed from the site.

The numerous violations since Schnitzer adopted its 2003 SWPCP are testament to the inadequacies of its SWPCP. A review of the water quality data provided by Schnitzer to DEQ shows that the facility has exceeded permit benchmarks on every reporting occasion. There have been 37 exceedances of the benchmarks for the 1200-Z stormwater permit. On several occasions, the exceedances have been drastic. For example, Schnitzer has been significantly above the benchmark for zinc in all DMRs. A sample taken March 16, 2006 reported 10 mg/L of zinc, 1,566.67% above the permitted benchmark of 0.6 mg/L. This is the most current information available to the commenter as the DMR for the most recent sampling period was unfortunately not in the file, nor made available to the public upon express request. Schnitzer has consistently exceeded the benchmark for zinc since 2002. These exceedances are of particular concern, especially given the fact the limited number of benchmarks DEQ has set, are arbitrary and insufficient to protect water quality. DEQ's benchmarks are significantly higher than the toxicity benchmarks developed by EPA. DEQ's benchmark for lead is over seven times greater than that developed by EPA; DEQ's benchmark for copper is five times greater than EPA's, as is its benchmark for zinc.[6] The numerous exceedences after Schnitzer adopted its most recent SWPCP show DEQ's presumption that compliance with such a requirement will protect against water quality violations is vastly mistaken. Compliance with the SWPCP bears no rational relationship to compliance with water quality standards.

12) How did DEQ determine these benchmarks are sufficient to protect water quality in the Willamette River?

13) Why does DEQ fail to provide the public with better access to permit files? Wouldn't public participation, required by the Clean Water Act, be much better served through electronic access to these files, including the SWPCP and DMR's?

In addition, there is no evidence Schnitzer has reviewed or updated its SWPCP after every exceedence, in direct violation of the 1200-Z permit conditions.

14) What does a review of the SWPCP entail and how does DEQ monitor such a review so that Schnitzer is held accountable?

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[6] EPA Proposed NPDES Storm Water Multi-Sector General Permit ("MSGP") (2006).

15) Which of the controls in the SWPCP are equivalent to best conventional technology controls required for pollutants? On what basis did DEQ determine that the Schnitzer SWPCP would result in compliance with water quality standards?

DEQ Is Not Appropriately Regulating All of the Pollutants that This Facility Will Likely Discharge

DEQ's one-size-fits-all approach to regulating stormwater pollutant discharges through a general permit is legally defensible only where DEQ sets effluent limitations for all the pollutants that each covered facility will in fact discharge. As the April 2006 comments explain, EPA has established sector-specific requirements within its only industrial stormwater permit to account for the varying pollutants that different industries discharge in their industrial stormwater. EPA also regulates many more pollutants in its stormwater permits than DEQ chooses to regulate. For DEQ to justify its decision to establish benchmark values for only three pollutants, DEQ must demonstrate that only these three pollutants are found in the industrial stormwater discharge.

In developing its proposed industrial stormwater permit, EPA undertook an analysis of the pollutants discharged from particular industrial categories.[7] This analysis demonstrates that the Schnitzer facility will likely discharge numerous pollutants in addition to copper, lead, and zinc, including antifreeze and mercury. DEQ should require a site-specific permit to account for these pollutants. DEQ must establish effluent limitations for all pollutants that this company will discharge through its stormwater that have a reasonable potential to violate applicable water quality standards.

16) On what basis did DEQ determine Schnitzer would discharge only copper, lead, and zinc?

Conclusion

Without more information about Schnitzer's discharges into the Willamette River, DEQ cannot reasonably determine that the 1200-Z Permit appropriately applies to Schnitzer. Nor can DEQ conclude that this facility's discharges will meet either the technology-based requirements of the CWA or applicable water quality standards. DEQ must therefore, at a minimum, require more information before it can grant Schnitzer coverage under the 1200-Z Permit. If DEQ does grant Schnitzer coverage under the 1200-Z Permit, based on the minimal information it currently has about the facility, DEQ's actions will be unlawful under the Clean Water Act and Oregon law. NEDC therefore urges DEQ to deny Schnitzer permit coverage under the 1200-Z permit, and, indeed, to revise its entire approach to industrial stormwater permitting.

Sincerely,

---

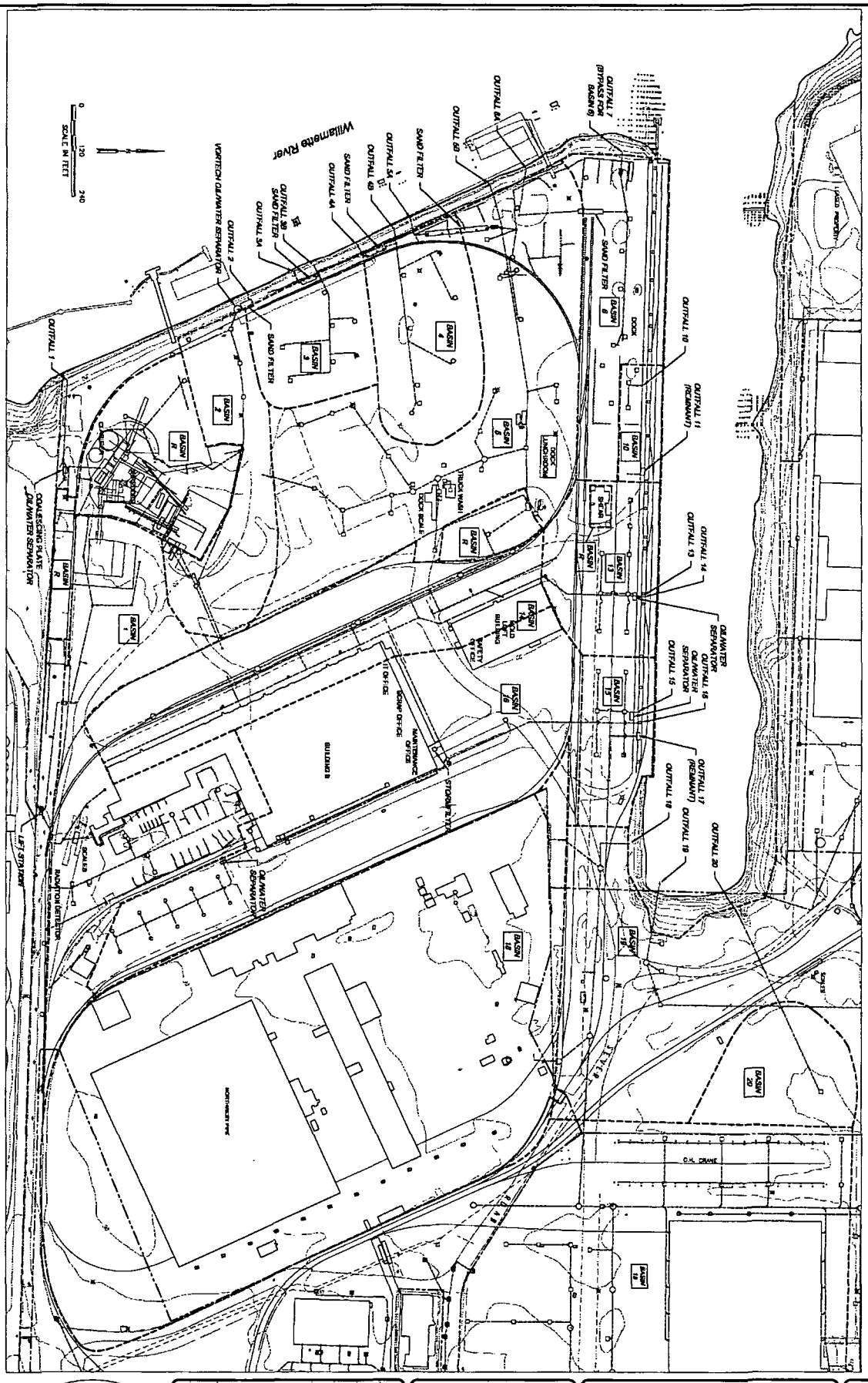
[7] *See* Jack Faulk, "Review of Discharge Monitoring Report data from the MSGP 2000" Tetra Tech, Inc. (February 10, 2005) (a technical memorandum providing a review of the discharge monitoring report data collected under the 2000 NPDES multi sector general permit). This analysis includes the presentation of summary statistics in tabular and graphical form for parameters included in the benchmark monitoring program.

/s/ Kristen Monsell

Kristen Monsell

NEDC Law Clerk

SCHNSP04 3/25/03



REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY

DATE OF ISSUE MAR 2003 DWN BY TRT DES BY TRT CHK BY APP BY

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SCHNITZER STEEL INDUSTRIES INC.
BURGARD YARD
PORTLAND, OREGON
STORMWATER POLLUTION CONTROL PLAN
MARCH 2003
SITE MAP

DRAWING NO. 1
PROJECT NO.

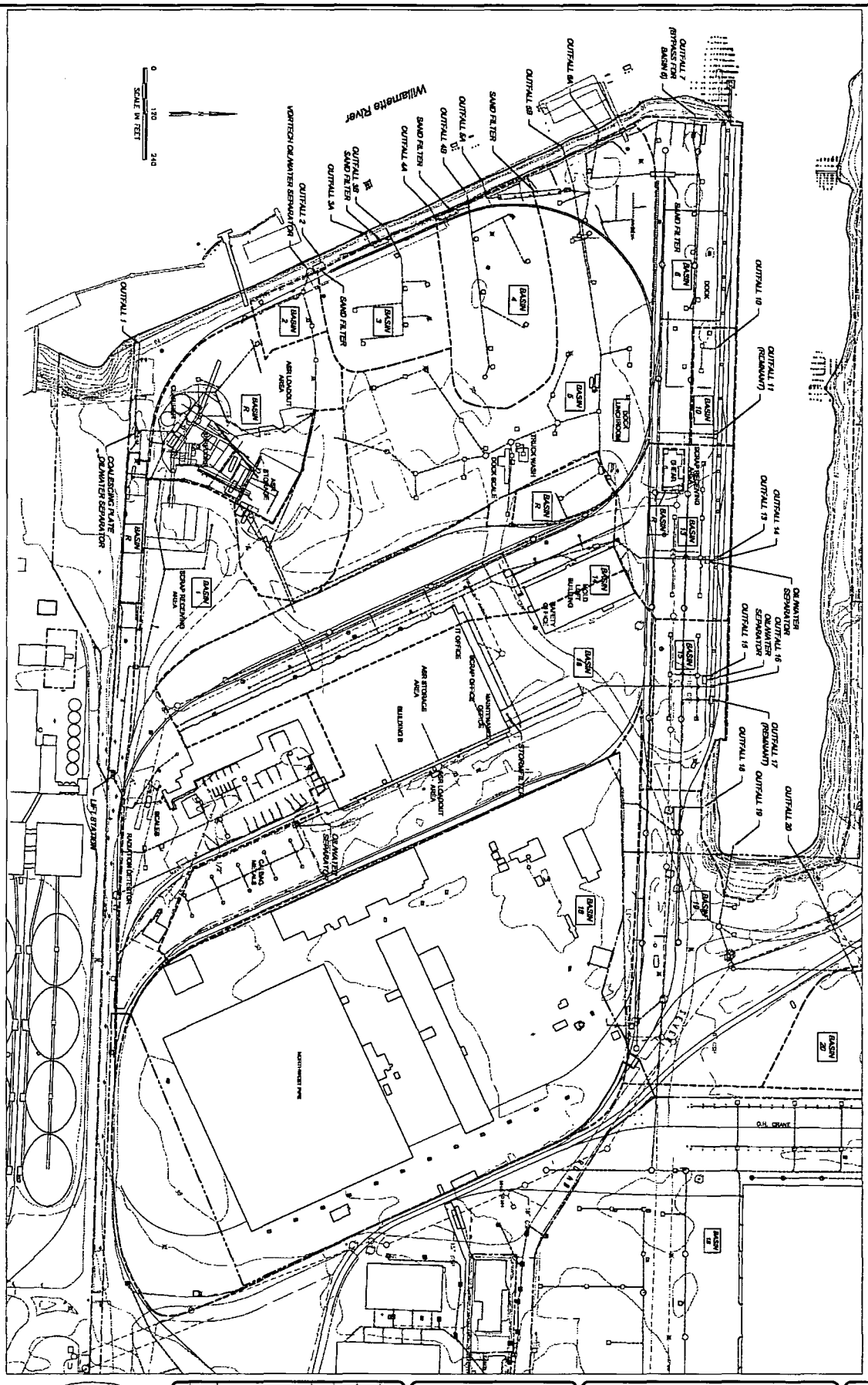
SCHN00376696

Table 1: Site Drainage Summary

OUTFALL ID [1]	DRAINAGE AREA ACTIVITIES	SIGNIFICANT MATERIALS	POTENTIAL POLLUTANTS	END-OF-PIPE TREATMENT	COLLECT SW SAMPLE
1	Entrance roadway, vehicle scales, vehicle parking and traffic, offices	Parked vehicles and traffic, ferrous and non-ferrous materials	Oil and grease, petroleum hydrocarbons, heavy metals (dust)	Coalescing Plate Oil/Water Separator	YES
2	Heavy equipment parking, truck loading, crushed automobile storage	Stored equipment, truck and equipment traffic	Oil and grease, petroleum hydrocarbons, heavy metals (dust)	Vortech Treatment Unit, Sand Filter	Represented by Outfall 6
3A, 3B	Steel storage, bulk material (e.g., pig iron) storage, traffic	Steel and other ferrous materials, vehicles	Oil and grease, petroleum hydrocarbons, heavy metals (dust)	Oil/Water Separator, Sand Filter	Represented by Outfall 6
4A, 4B	Steel storage, bulk material (e.g., pig iron) storage, traffic	Steel and other ferrous materials, vehicles	Oil and grease, petroleum hydrocarbons, heavy metals (dust)	Oil/Water Separator, Sand Filter	Represented by Outfall 6
5A, 5B	Steel storage, bulk material (e.g., pig iron) storage, truck scales, traffic	Steel and other ferrous materials, crushed automobiles, traffic	Oil and grease, petroleum hydrocarbons, heavy metals (dust)	Oil/Water Separator, Sand Filter	Represented by Outfall 6
6A, 7	Ship slip and dock activities, scrap, steel and metal product loading and unloading	Heavy equipment, rail cranes, railroad cars and engines, scrap stockpiles	Oil and grease, petroleum hydrocarbons, heavy metals (dust)	Oil/Water Separator, Sand Filter	YES
10	Ship slip and dock activities, scrap, steel and metal product loading and unloading	Heavy equipment, rail cranes, railroad cars and engines, scrap stockpiles	Oil and grease, petroleum hydrocarbons, heavy metals (dust)	None	YES
13	Dock activities, scrap, steel and metal product loading and unloading	Shear, heavy equipment, railroad cars and engines, scrap stockpiles	Oil and grease, petroleum hydrocarbons, heavy metals (dust)	Eight-stage Oil/Water Separator	YES
14	Ferrous scrap storage, vehicle and rail road traffic, vehicle parking, offices	Vehicles, ferrous scrap	Oil and grease, petroleum hydrocarbons, heavy metals (dust)	None	YES
15	Ship slip and dock activities, scrap, steel and metal product loading and unloading	Heavy equipment, rail cranes, railroad cars and engines, scrap stockpiles	Oil and grease, petroleum hydrocarbons, heavy metals (dust)	Eight-stage Oil/Water Separator	Represented by Outfall 13
16	Vehicle parking, equipment storage, non-ferrous scrap receiving and storage, petroleum secondary containment area (under roof)	Parked vehicles, stored equipment, potential spillage	Oil and grease, petroleum hydrocarbons, antifreeze, heavy metals (dust)	None	Represented by Outfall 14
18	This outfall primarily serves NW Pipe and adjacent properties (permitted separately). A small fuel island at the east end of the property (operated by SSP) is also served by this outfall.	Vehicle traffic, potential spillage	Oil and grease, petroleum hydrocarbons, heavy metals (dust)	N/A	N/A
19	Vehicle traffic, rail car storage	Vehicle traffic, potential spillage	Dust, roadway accumulations	None	YES
20	Rail car storage, scrap storage	Ferrous scrap, vehicle traffic, potential spillage	Heavy metals (dust), oil and grease	None	Represented by Outfall 19

[1] - Outfall locations are shown on the Site Map provided with this SWPC Plan.
- Former Outfalls 8, 9, and 12 have been abandoned. The discharge pipes have been cut and grouted.
- Former Outfalls 11 and 17 are remnants of an historical shipyard. They are no longer connected to any catch basins at the site, and do not discharge stormwater.

SCHNSP04 9/10/03



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DATE OF ISSUE MAR 2003 DWN BY TRT DES BY TRT CHK BY APP BY

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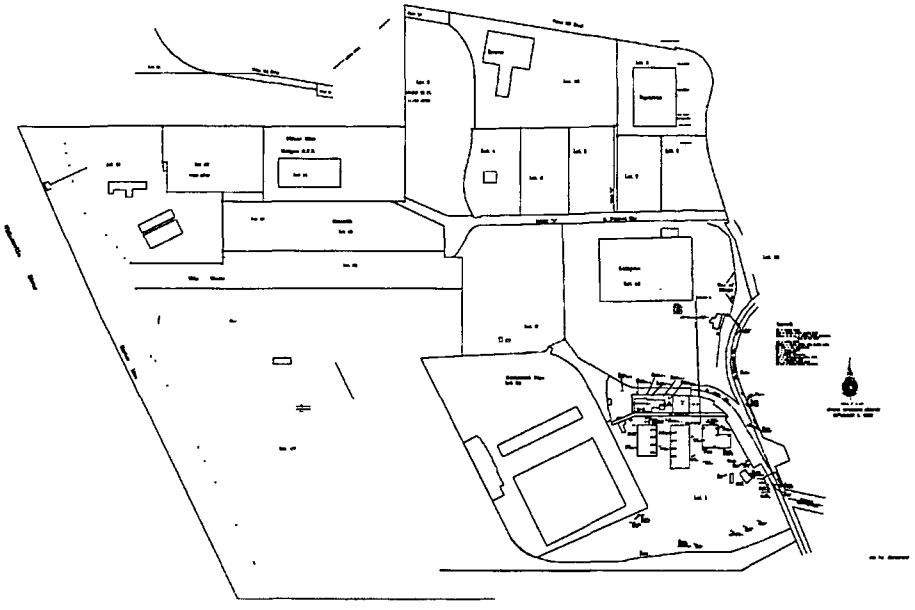
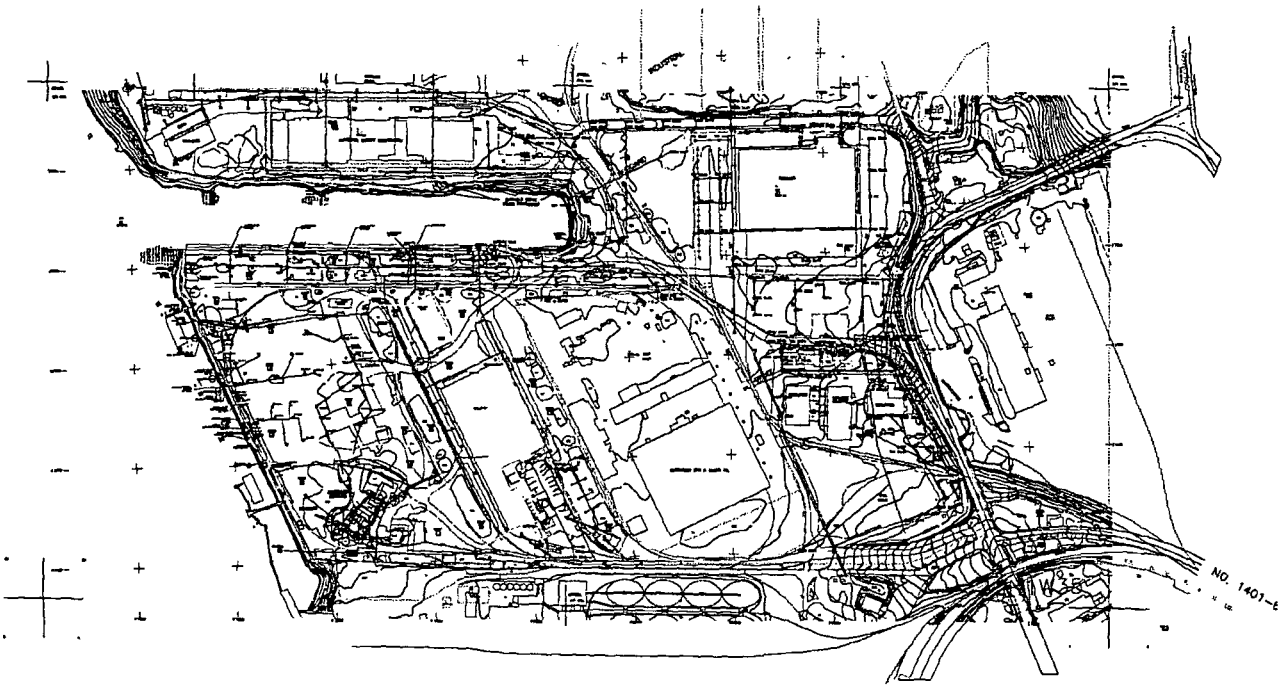
SCHNITZER STEEL INDUSTRIES INC.
BURGARD YARD
PORTLAND, OREGON
STORMWATER POLLUTION CONTROL PLAN
MARCH 2003
SITE MAP

DRAWING NO. 1
PROJECT NO.

SCHN00376698



SCHN00376713



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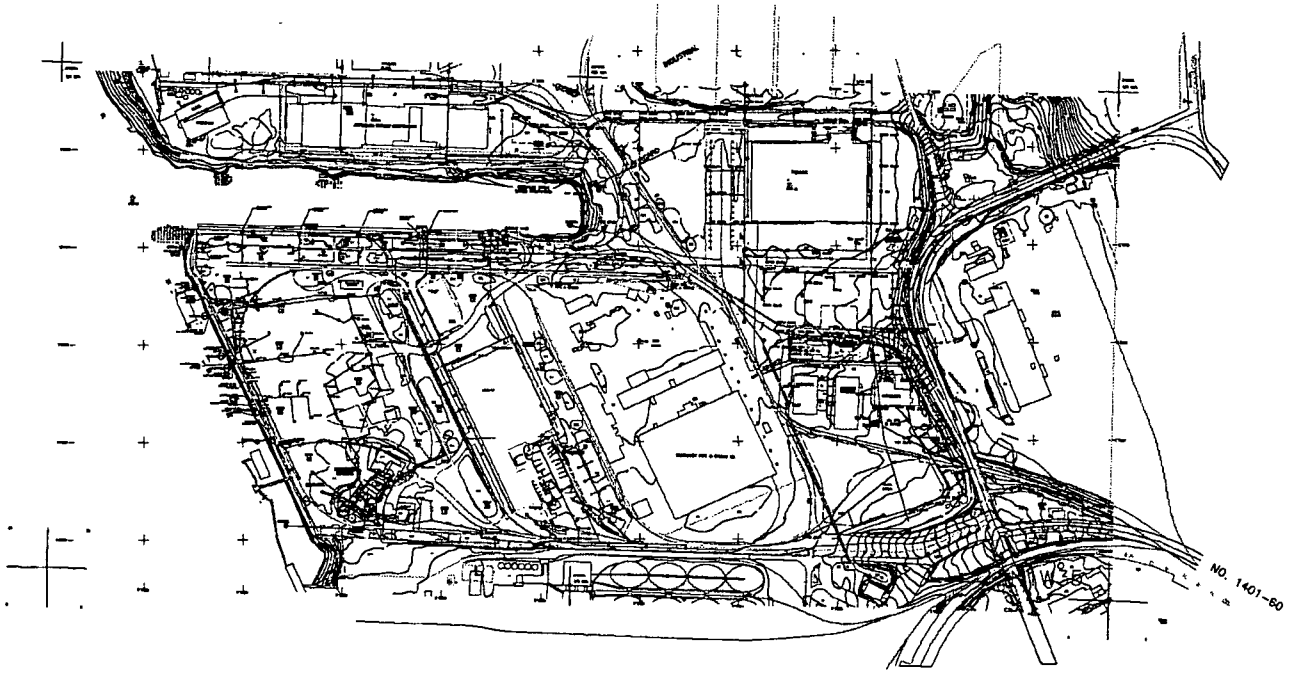

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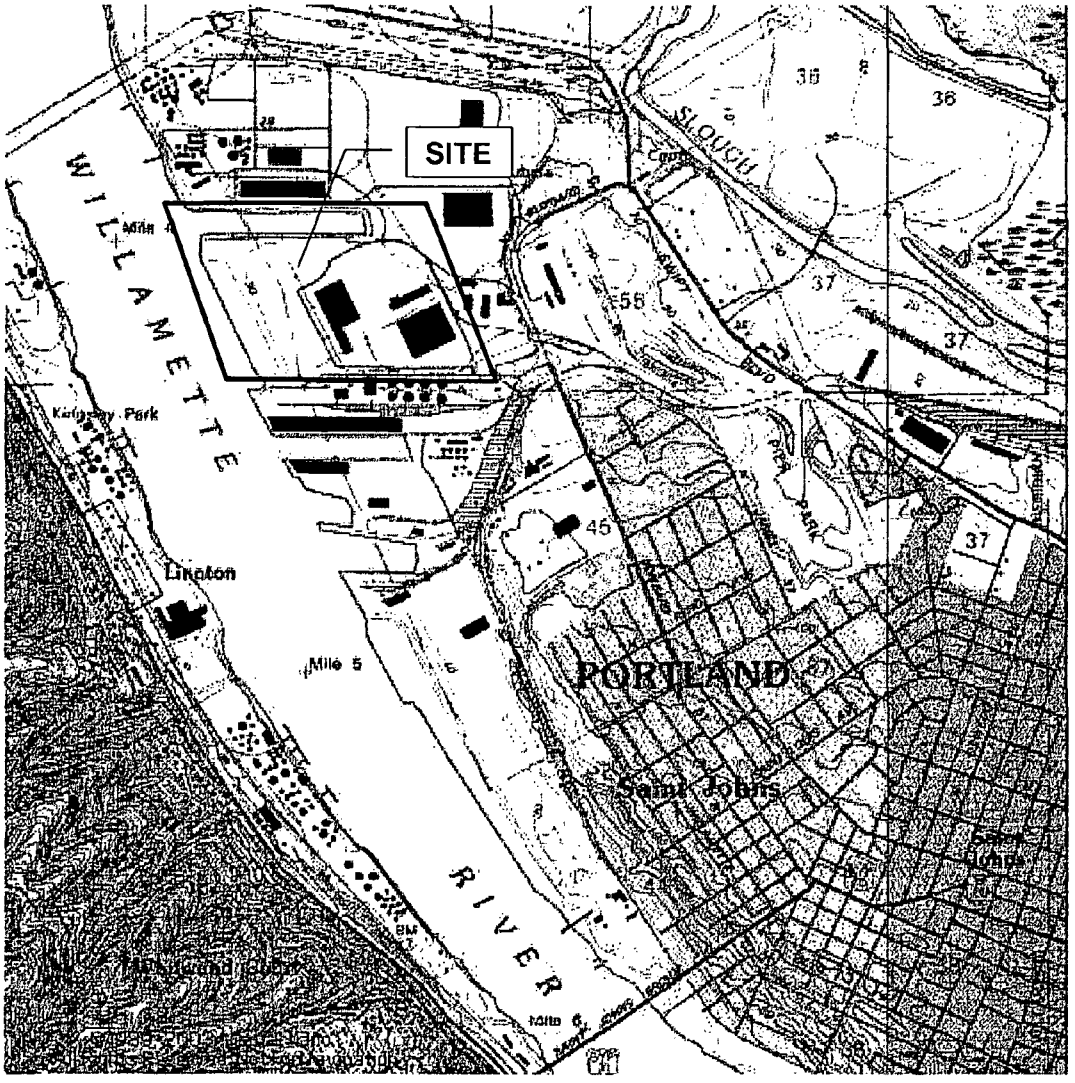

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SCHNITZER STEEL PRODUCTS CO.
Portland, Oregon

Figure 1: Site Location Map

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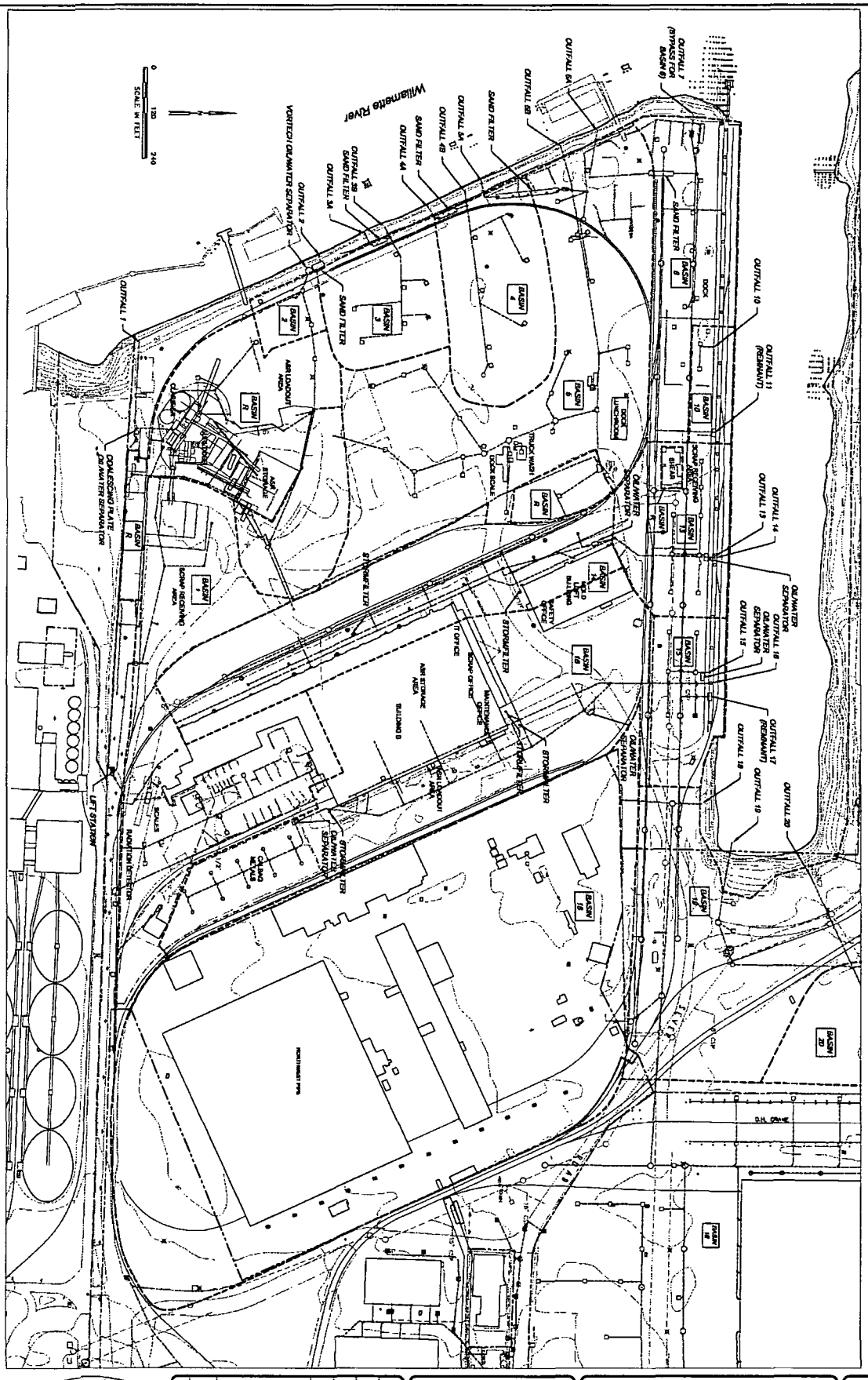
SCHNSP04 3/14/04



REV	DATE	DESCRIPTION	DWN BY	DES BY	CKD BY	APP BY

DATE OF ISSUE MAY 2004 | DWN BY TRT | DES BY TRT | CKD BY | APP BY

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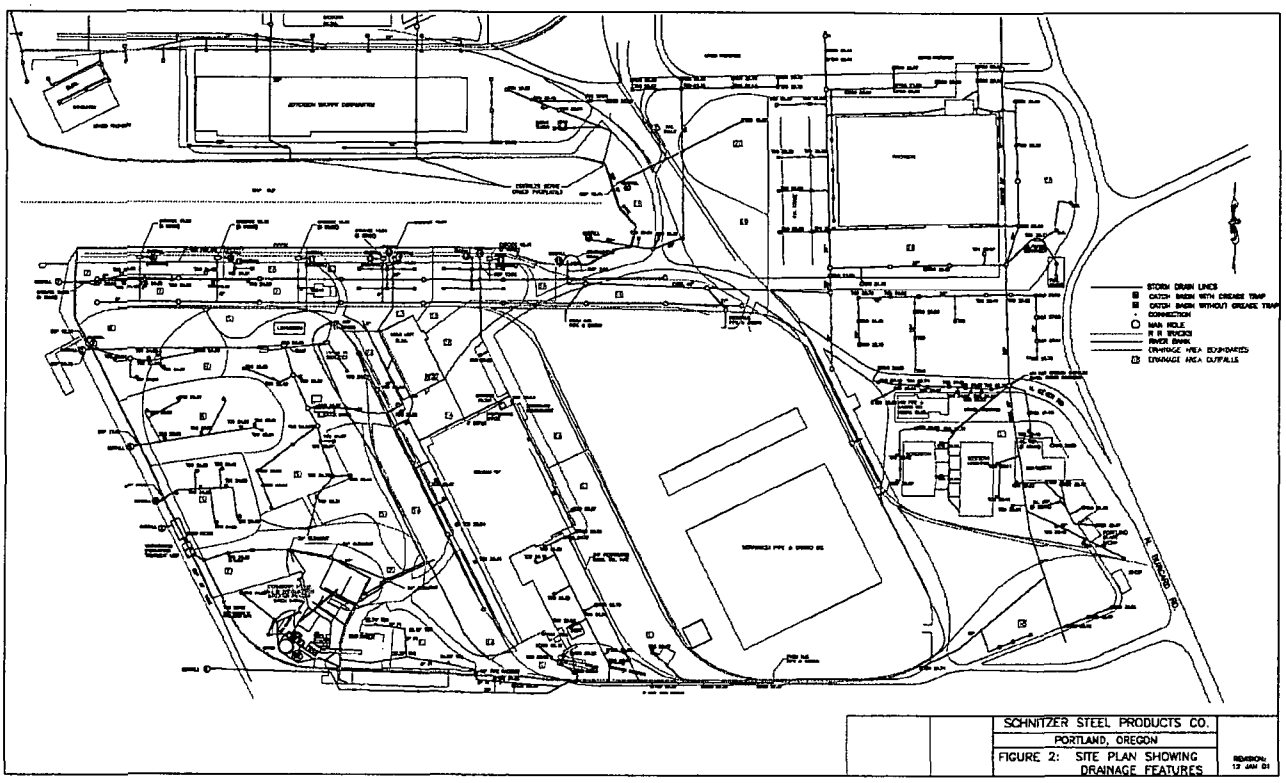
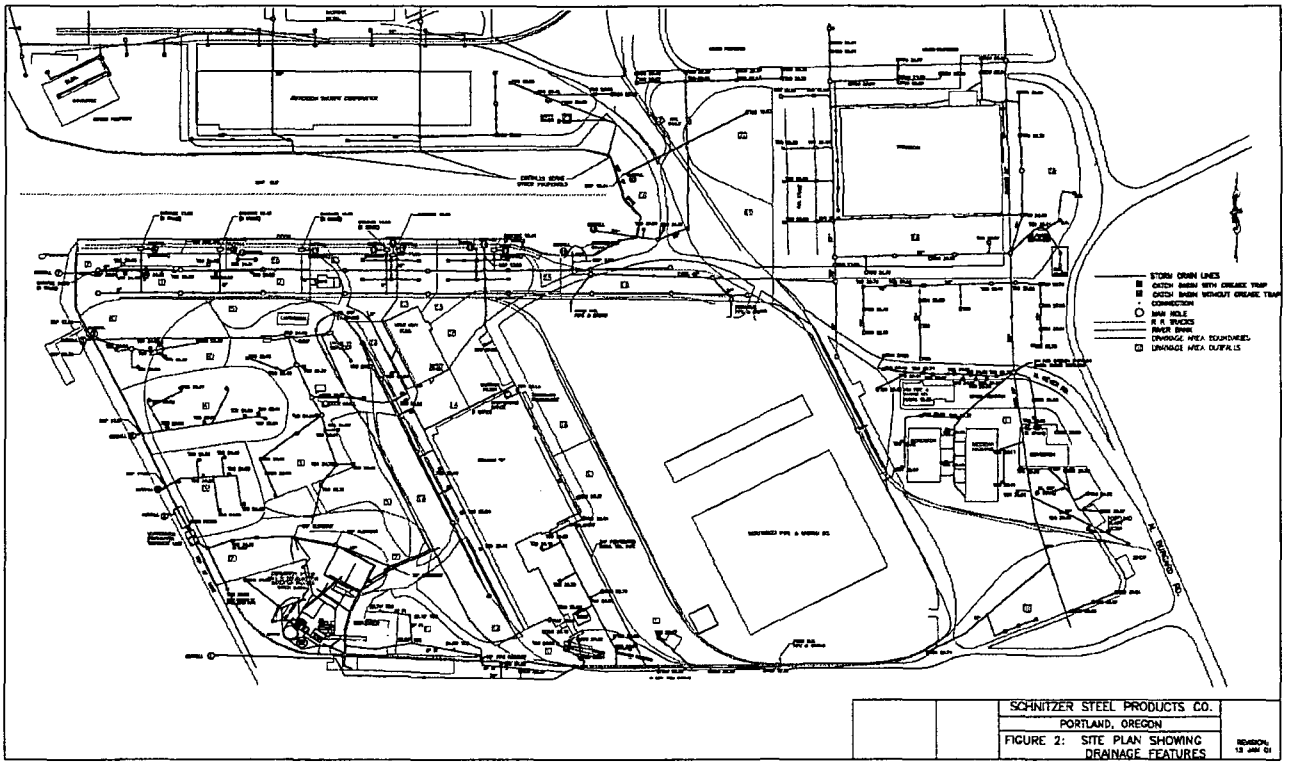
SCHNITZER STEEL INDUSTRIES INC.
BURGARD YARD
PORTLAND, OREGON
STORMWATER POLLUTION CONTROL PLAN
MAY 2004
SITE MAP

DRAWING NO. 1
PROJECT NO

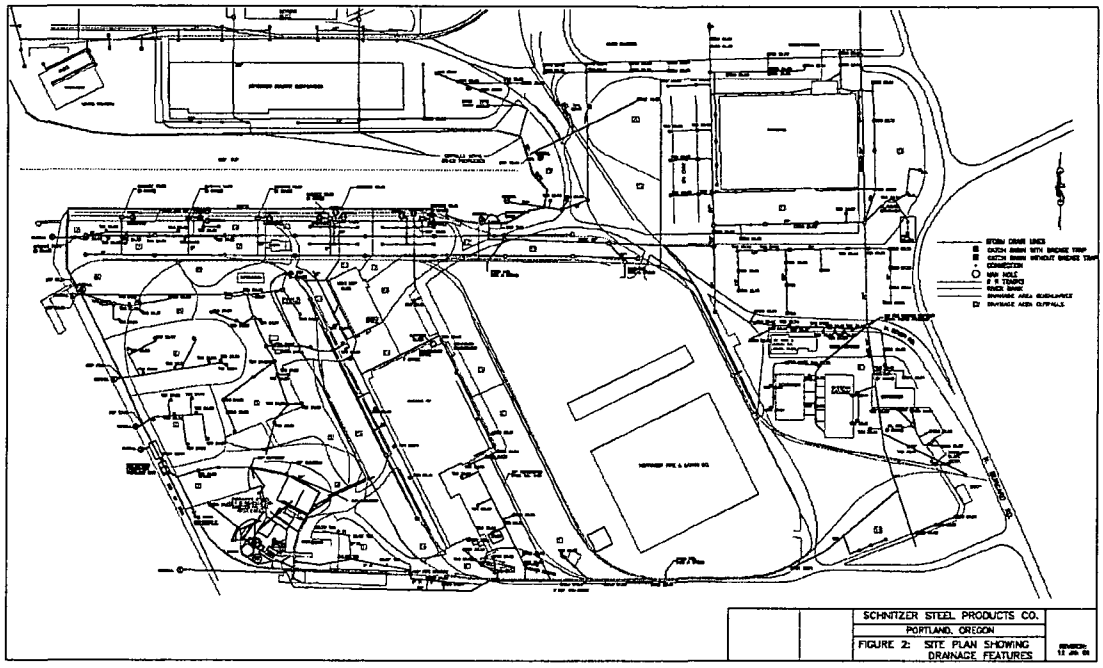
SCHN00376760



SCHNITZER STEEL PRODUCTS CO.
PORTLAND, OREGON
FIGURE 2: SITE PLAN SHOWING DRAINAGE FEATURES
REVISION: 13 JAN 01



SCHNITZER STEEL PRODUCTS CO.
PORTLAND, OREGON
FIGURE 2: SITE PLAN SHOWING DRAINAGE FEATURES
REVISION: 13 JAN 01


SCHNITZER STEEL PRODUCTS CO.
PORTLAND, OREGON
FIGURE 2: SITE PLAN SHOWING DRAINAGE FEATURES

	A	B	C	D
1				
2		New	Old	
3		Drainage	Drainage	
4	Outfall[1]	Basin[2]	Basin[3]	Date
5				
6	2	2	2	12/14/1993
7	3	3	3	12/14/1993
8	4	4	4	12/14/1993
9	5	5	5	12/14/1993
10	6	5	6	12/14/1993
11	7	6	7	12/14/1993
12	9	9	9	12/14/1993
13	14	14	14	12/14/1993
14	15	15	15	12/14/1993
15	16	16	16	12/14/1993
16	18	18	18	12/14/1993
17	11?	?	?	12/14/1993
18	12?	?	?	12/14/1993
19	17?	?	?	12/14/1993
20	2	2	2	12/14/1994
21	3	3	3	12/14/1994
22	4	4	4	12/14/1994
23	5	5	5	12/14/1994
24	6	5	6	12/14/1994
25	7	6	7	12/14/1994
26	10	10	10	12/14/1994
27	14	14	14	12/14/1994
28	15	15	15	12/14/1994
29	16	16	16	12/14/1994
30	18	18	18	12/14/1994
31	11?	?	?	12/14/1994
32	12?	?	?	12/14/1994
33	17?	?	?	12/14/1994
34	2	2	2	2/17/1995
35	3	3	3	2/17/1995
36	4	4	4	2/17/1995
37	5	5	5	2/17/1995
38	6	5	6	2/17/1995
39	7	6	7	2/17/1995
40	14	14	14	2/17/1995
41	15	15	15	2/17/1995
42	16	16	16	2/17/1995
43	18	18	18	2/17/1995

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1																	
2																	
3																	
4	pH	TSS		TPH		Copper		Lead		Zinc		Arsenic		Cadmium		Chromium	
5																	
6	8.3	32		4		0.06		0.11		0.7		0.005	U	0.004		0.01	
7	8.03	160		5	U	0.025		0.42		2.3		0.005		0.01		0.053	
8	6.85	170		6		0.01	U	0.06		0.16		0.007		0.002		0.014	
9	7.77	110		13		0.08		0.14		0.49		0.005	U	0.004		0.025	
10	7.72	130		11		0.06		0.06		0.11		0.005	U	0.001		0.01	
11	8.24	25		5	U	0.01	U	0.01		0.01	U	0.005	U	0.002	U	0.006	
12	8.64	330		5	U	0.15		0.68		0.81		0.005	U	0.03		0.048	
13	7.99	100		6		0.1		0.26		0.48		0.005	U	0.002		0.04	
14	7.93	10		5	U	0.01	U	0.02		0.1		0.005	U	0.001		0.012	
15	7.6	56		13		0.07		0.08		0.21		0.005	U	0.004		0.019	
16	8.24	25		8		0.16		0.31		0.52		0.005		0.003		0.059	
17	9.55	85		5	U	0.01	U	0.3		0.12		0.005	U	0.002	U	0.011	
18	7.7	70		5	U	0.2		0.39		0.67		0.005	U	0.003		0.054	
19	9.04	38		5	U	0.01	U	0.09		0.28		0.005	U	0.001		0.026	
20	8.43	530		20		0.34		0.74		5.9		0.01	U	0.026		0.082	
21	7.52	8		6		0.04		0.025		0.16		0.01	U	0.002	U	0.004	
22	7.74	30		5	U	0.13		0.033		0.13		0.01	U	0.002	U	0.08	
23	7.46	280		8		0.12		0.3		0.74		0.01	U	0.006		0.048	
24	8.88	54		8		0.03		0.031		0.06		0.01	U	0.002	U	0.013	
25	9.71	32		5	U	0.04		0.017		0.05		0.01	U	0.002	U	0.01	
26	7.75	10		5	U	0.01	U	0.005		0.05		0.01	U	0.002	U	0.01	U
27	7.76	81		11		0.11		0.19		0.39		0.01	U	0.002		0.036	
28	7.79	13		5	U	0.04		0.007		0.15		0.01	U	0.002	U	0.006	
29	7.3	12		2		0.03		0.022		0.15		0.01	U	0.002	U	0.006	
30	7.28	180		9		0.66		0.55		1.2		0.013		0.011		0.05	
31	7.66	76		5		0.05		0.056		0.13		0.01	U	0.002	U	0.014	
32	7.32	65		7		0.19		0.32		0.6		0.006		0.003		0.054	
33	8.52	180		6		0.28		0.55		0.77		0.006		0.006		0.095	
34	7.32	32		5	U	0.05		0.08		0.64		0.01	U	0.004		0.009	
35	8.15	340		19		0.55		1.1		6.7		0.013		0.031		0.15	
36	7.84	250		12		0.08		0.18		0.43		0.01	U	0.002		0.043	
37	9.8	28		5	U	0.01	U	0.005		0.03		0.01	U	0.002	U	0.01	U
38	7.61	140		16		0.16		0.33		1.2		0.01	U	0.004		0.056	
39	8.77	80		7		0.02		0.064		0.09		0.01	U	0.002	U	0.01	
40	9.08	40		8		0.11		0.21		0.52		0.01	U	0.002		0.039	
41	7.74	22		11		0.07		0.09		0.2		0.01	U	0.002	U	0.012	
42	7.53	6		8		0.01	U	0.017		0.06		0.01	U	0.003		0.01	U
43	7.64	36		15		0.23		0.07		0.27		0.009		0.001		0.01	

	V	W	X	Y	Z	AA
1						
2						
3						
4	Mercury		Nickel		COD	
5						
6	0.0002	U	0.01	U		
7	0.0002	U	0.05			
8	0.0002	U	0.01	U		
9	0.0002	U	0.01	U		
10	0.0002	U	0.01	U		
11	0.0002	U	0.01	U		
12	0.0015		0.01	U		
13	0.0002	U	0.01	U		
14	0.0002	U	0.01	U		
15	0.0002	U	0.01	U		
16	0.0002	U	0.01	U		
17	0.0002	U	0.01	U		
18			0.01	U		
19	0.0002	U	0.01	U		
20	0.002		0.08			
21	0.0002	U	0.1	U		
22	0.0002	U	0.01	U		
23	0.0002	U	0.05			
24	0.0002	U	0.1	U		
25	0.0002	U	0.1	U		
26	0.0002	U	0.1	U		
27	0.0006		0.01			
28	0.0002	U	0.06			
29	0.0002	U	0.1			
30	0.004		0.08			
31	0.0002	U	0.1	U		
32	0.0016		0.02			
33	0.0002	U	0.03			
34	0.0002	U	0.01	U		
35	0.0029		0.11			
36	0.0002	U	0.02			
37	0.0002	U	0.02	U		
38	0.0016		0.06			
39	0.0002	U	0.1	U		
40	0.001		0.02			
41	0.0002	U	0.02			
42	0.0002	U	0.03			
43	0.0013		0.04			

	A	B	C	D
44	11?	?	?	2/17/1995
45	12?	?	?	2/17/1995
46	17?	?	?	2/17/1995
47	2	2	2	11/27/1995
48	3	3	3	11/27/1995
49	4	4	4	11/27/1995
50	5	5	5	11/27/1995
51	6	5	6	11/27/1995
52	7	6	7	11/27/1995
53	14	14	14	11/27/1995
54	15	15	15	11/27/1995
55	16	16	16	11/27/1995
56	18	18	18	11/27/1995
57	11?	?	?	11/27/1995
58	12?	?	?	11/27/1995
59	17?	?	?	11/27/1995
60	2	2	2	4/12/1996
61	3	3	3	4/12/1996
62	4	4	4	4/12/1996
63	5	5	5	4/12/1996
64	6	5	6	4/12/1996
65	7	6	7	4/12/1996
66	14	14	14	4/12/1996
67	15	15	15	4/12/1996
68	16	16	16	4/12/1996
69	18	18	18	4/12/1996
70	11?	?	?	4/12/1996
71	12?	?	?	4/12/1996
72	17?	?	?	4/12/1996
73	2	2	2	11/18/1996
74	3	3	3	11/18/1996
75	4	4	4	11/18/1996
76	5	5	5	11/18/1996
77	6	5	6	11/18/1996
78	2	2	2	5/28/1997
79	3	3	3	5/28/1997
80	4	4	4	5/28/1997
81	6	5	6	5/28/1997
82	2	2	2	12/9/1997
83	3	3	3	12/9/1997
84	4	4	4	12/9/1997
85	5	5	5	12/9/1997
86	6	5	6	12/9/1997

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
44	8.86	180		5	U	0.04		0.08		0.14		0.01	U	0.002	U	0.01	
45	7.73	140		10		0.35		0.78		1.1		0.012		0.004		0.084	
46	7.62	8		5	U	0.01	U	0.002		0.09		0.01	U	0.002	U	0.017	
47	7.6	420		11		0.42		0.78		5.3		0.01	U	0.007		0.18	
48	7.5	27		3	U	0.06		0.05		0.24		0.01	U	0.002	U	0.01	
49	7	64		3	U	0.02		0.05		0.18		0.01	U	0.002	U	0.02	
50	8.5	280		6		0.12		0.22		0.54		0.01	U	0.002	U	0.05	
51	7.3	24		3	U	0.01	U	0.02		0.05		0.01	U	0.002	U	0.01	U
52	9.1	250		4		0.02		0.05		0.15		0.01	U	0.002	U	0.03	
53	8.8	460		14		0.64		1.2		4.1		0.02		0.01		0.45	
54	7.9	56		27		0.15		0.33		0.26		0.01	U	0.003		0.03	
55	7.4	17		3	U	0.03		0.05		0.15		0.01	U	0.002	U	0.01	
56	7.6	41		4		0.07		0.11		0.3		0.01	U	0.002	U	0.03	
57	9.1	200		3		0.07		0.09		0.2		0.01	U	0.002	U	0.03	
58	7.3	1900		6		3.1		3.3		10		0.07		0.029		1	
59	8.9	130		3	U	0.09		0.09		0.26		0.01	U	0.002	U	0.06	
60	7.9	720		5.3		0.6		1.2		8.7		0.013		0.024		0.14	
61	8.4	250		3.5		0.14		0.26		1.9		0.002		0.005	U	0.026	
62	8.1	1200		1.9		0.19		0.32		1.8		0.006		0.005	U	0.054	
63	8.6	250		4.1		0.15		0.35		0.74		0.005		0.005	U	0.039	
64	8.5	540		1.9		0.08		0.11		0.29		0.005		0.005	U	0.023	
65	9.2	130		3.5		0.073		0.14		0.3		0.006		0.005	U	0.029	
66	7.7	56		3.1		0.067		0.11		0.3		0.02	U	0.005	U	0.017	
67	8.5	110		8.6		0.14		0.34		0.43		0.006		0.005	U	0.019	
68	8.1	89		4.3		0.098		0.24		0.28		0.002		0.005	U	0.01	U
69	8.1	71		3.2		0.17		0.23		0.44		0.007		0.005	U	0.042	
70	9.2	1200		5.4		0.27		0.54		1		0.021		0.005	U	0.14	
71	7.8	61		3.3		0.46		1.2		2.2		0.011		0.006		0.1	
72	8.9	95		2		0.085		0.16		0.27		0.003		0.005	U	0.034	
73	8.17	1280		13.5		0.679		1.57		10.4		0.008		0.03		0.209	
74	7.91	304		8.2		0.17		0.318		1.45		0.005	U	0.004		0.058	
75	8.39	1350		18		1.32		2.76		7.87		0.014		0.03		0.3	
76	8.34	860		14.8		0.198		0.461		1.27		0.006		0.004	U	0.086	
77	8.56	368		5.4		0.113		0.285		0.72		0.005	U	0.004	U	0.042	
78	7.66	6		5	U			0.002		0.03		0.005	U	0.004	U	0.005	U
79	7.77	13		5	U			0.015		0.08		0.005	U	0.004	U	0.005	U
80	7.71	58		5	U			0.025		0.1		0.005	U	0.004	U	0.005	U
81	9.33	52		5	U			0.036		0.11		0.006		0.004	U	0.022	
82	7.82	184		40		0.31		0.606		4.47		0.005	U	0.016		0.041	
83	7.63	96		12		0.267		0.424		3.21		0.005	U	0.011		0.023	
84	9.41	65		5	U	1.39		0.146		0.56		0.005	U	0.004	U	0.024	
85	8.49	73		26		1.81		1.39		3.93		0.005	U	0.018		0.188	
86	9.98	101		5	U	0.565		0.115		0.28		0.005	U	0.004	U	0.021	

	V	W	X	Y	Z	AA
44	0.0002	U	0.1	U		
45	0.0025		0.05			
46	0.0002	U	0.1	U		
47	0.0014		0.1	U		
48	0.0002	U	0.1	U		
49	0.0002	U	0.1	U		
50	0.0006		0.1	U		
51	0.0002	U	0.1	U		
52	0.0002	U	0.1	U		
53	0.0046		0.1	U		
54	0.0004		0.1	U		
55	0.0002	U	0.1	U		
56	0.0008		0.1	U		
57	0.004		0.1	U		
58	0.012		0.35			
59	0.0002	U	0.1	U		
60	0.0029		0.13			
61	0.0002	U	0.027			
62	0.0007		0.044			
63	0.001		0.033			
64	0.0003		0.033			
65	0.0003		0.03			
66	0.0002	U	0.02	U		
67	0.001		0.037			
68	0.0004		0.04			
69	0.0007		0.026			
70	0.001		0.098			
71	0.003		0.074			
72	0.0003		0.02	U		
73	0.004		0.141			
74	0.0008		0.03			
75	0.0118		0.227			
76	0.0013		0.062			
77	0.0011		0.03			
78	0.0005	U	0.02	U		
79	0.0005	U	0.02	U		
80	0.0005	U	0.02	U		
81	0.0005	U	0.02	U		
82	0.0022		0.048			
83	0.0012		0.034			
84	0.0005	U	0.02	U		
85	0.0048		0.113			
86	0.0005	U	0.02	U		

	A	B	C	D
87	7	6	7	12/9/1997
88	2	2	2	5/20/1998
89	3	3	3	5/20/1998
90	4	4	4	5/20/1998
91	5	5	5	5/20/1998
92	6	5	6	5/20/1998
93	7	6	7	5/20/1998
94	2	2	2	11/23/1998
95	3	3	3	11/23/1998
96	4	4	4	11/23/1998
97	5	5	5	11/23/1998
98	6	5	6	11/23/1998
99	7	6	7	11/23/1998
100	7D	6	7	11/23/1998
101	2	2	2	5/3/1999
102	3	3	3	5/3/1999
103	4	4	4	5/3/1999
104	4D	4	4	5/3/1999
105	5	5	5	5/3/1999
106	6	5	6	5/3/1999
107	7	6	7	5/3/1999
108	2	2	2	11/11/1999
109	3	3	3	11/11/1999
110	4	4	4	11/11/1999
111	5	5	5	11/11/1999
112	6	5	6	11/11/1999
113	7	6	7	11/11/1999
114	14	14	14	11/11/1999
115	20	20	20	11/11/1999
116	2	2	2	3/4/2000
117	3	3	3	3/4/2000
118	4	4	4	3/4/2000
119	5	5	5	3/4/2000
120	6	5	6	3/4/2000
121	7	6	7	3/4/2000
122	20	20	20	3/4/2000
123	14	14	14	3/10/2000
124	16	16	16	3/10/2000
125	2	2	2	6/11/2000
126	3	3	3	6/11/2000
127	4	4	4	6/11/2000
128	5	5	5	6/11/2000
129	6	5	6	6/11/2000

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
87	8.87	452		9		0.505		0.263		0.63		0.005	U	0.004	U	0.031	
88	7.64	208		12.6		0.624		1.06		5.72							
89	7.96	94		5.1		0.586		0.394		2.51							
90	7.74	360		5.7		4.23		0.456		2.1							
91	7.6	130		3.3		0.431		0.562		1.61							
92	7.98	412		3.9		0.801		0.16		0.56							
93	8.16	270		4.5		0.203		0.078		0.29							
94	7.56	280		23		0.725		1.06		7.67							
95	6.87	200		9		7.08		0.344		0.806							
96	9.75	1120		18		0.499		0.26		0.973							
97	8.36	220		9		4.76		0.284		0.49							
98	8.97	420		8		1.27		0.256		0.757							
99	8.15	19		6		0.132		0.088		0.237							
100	8.2	46		8		0.169		0.116		0.336							
101	7.21	23		12		0.085		0.126		1.71							
102	7.09	5	U	5	U	0.051		0.027		0.262							
103	7.06	5	U	5	U	0.197		0.003		0.064							
104	7	6		5	U	0.199		0.004		0.063							
105	7.04	5	U	5	U	0.022		0.008		0.074							
106	7.05	5	U	5	U	0.073		0.004		0.012							
107	7.47	8		5	U	0.012		0.003		0.011							
108	7.61	200		16		0.663		1.23		7.87							
109	7.42	88		9		0.383		0.56		3.42							
110	8.46	287		9		2		0.138		0.634							
111	7.2	113		11		0.232		0.24		1.57							
112	9.14	272		14		1.12		0.083		0.274							
113	9.45	35		5	U	0.01	U	0.006		0.017							
114	8.25	13		12		0.052		0.034		0.547							
115	9.45	20		5	U	0.01	U	0.006		0.017							
116	7.79	160		7		0.323		0.396		2.91							
117	7.58	77		5	U	0.216		0.24		1.8							
118	10.35	36		5	U	0.138		0.039		0.218							
119	7.91	112		6		0.214		0.228		1.38							
120	9.8	26		5	U	0.079		0.012		0.031							
121	8.52	49		5	U	0.029		0.036		0.085							
122	9.4	14		5	U	0.01	U	0.006		0.018							
123	7.28	99		5	U	0.17		0.158		0.937							
124	7.09	40		64		0.191		0.177		0.429							
125	7.64	54		12		0.229		0.301		1.82							
126	7.65	15		8.2		0.144		0.109		0.485							
127	7.75	11		5	U	0.101		0.008		0.039							
128	7.6	11		5	U	0.031		0.032		0.197							
129	7.98	13		5	U	0.018		0.003		0.01	U						

	V	W	X	Y	Z	AA
87	0.0008		0.02	U		
88						
89						
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95						
96						
97						
98						
99						
100						
101						
102						
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129						

	A	B	C	D
130	7	6	7	6/11/2000
131	20	20	20	6/11/2000
132	2	2	2	10/20/2000
133	3	3	3	10/20/2000
134	4	4	4	10/20/2000
135	5	5	5	10/20/2000
136	6	5	6	10/20/2000
137	7	6	7	10/20/2000
138	16	16	16	10/20/2000
139	20	20	20	10/20/2000
140	2	2	2	10/30/2001
141	3	3	3	10/30/2001
142	4	4	4	10/30/2001
143	5A	5	5/6	10/30/2001
144	7	6	7	10/30/2001
145	14	14	14	10/30/2001
146	20	20	20	10/30/2001
147	2	2	2	5/22/2002
148	3	3	3	5/22/2002
149	5A	5	5/6	5/22/2002
150	7	6	7	5/22/2002
151	16	16	16	5/22/2002
152	1	1	1	2/16/2003
153	3	3	3	2/16/2003
154	4	4	4	2/16/2003
155	5A	5	5/6	2/16/2003
156	6A	6	7	2/16/2003
157	15	15	15	2/16/2003
158	16	16	16	2/16/2003
159	20	20	20	2/16/2003
160	3	3	3	6/20/2003
161	4	4	4	6/20/2003
162	14	14	14	6/20/2003
163	20	20	20	6/20/2003
164	1	1	1	12/5/2003
165	3	3	3	12/5/2003
166	4	4	4	12/5/2003
167	5	5	5	12/5/2003
168	6A	6	7	12/5/2003
169	14	14	14	12/5/2003
170	16	16	16	12/5/2003
171	20	20	20	12/5/2003
172	1	1	1	5/8/2004

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
130	8.16	5	U	5	U	0.014		0.011		0.038							
131	8.45	8		5	U	0.01	U	0.006		0.017							
132	7.31	13		9.6		0.03		0.019		0.287							
133	8.2	82		10		0.554		0.441		2.3							
134	7.11	30		5	U	0.296		0.02		0.088							
135	8.39	206		5	U	0.24		0.375		1.51							
136	8.3	880		5	U	2.6		0.23		0.688							
137	7.75	8		5	U	0.014		0.015		0.048							
138	7.18	64		5	U	0.09		0.094		0.342							
139	6.95	16		5	U	0.01	U	0.003		0.024							
140	7.04	14		5		0.081		0.153		1.04							
141	7.19	10		5		0.099		0.07		0.252							
142	7.94	5	U	5	U	0.045		0.014		0.04							
143	7.76	10		5	U	0.027		0.028		0.082							
144	8.1	36		5	U	0.034		0.059		0.231							
145	7.67	156		5	U	0.193		0.286		1.23							
146	8.23	28		5	U	0.018		0.028		0.057							
147	7.22	13		13		0.17		0.024		0.268							
148	7.38	11		5	U	0.019		0.002	U	0.076							
149	7.91	5	U	5	U	0.013		0.002	U	0.015							
150	8.42	59		5	U	0.025		0.016		0.106							
151	7.09	73		7.1		0.144		0.164		0.654							
152	7.23	14		6.9		0.071		0.096		0.46							
153	7.42	106		17		0.18		0.206		1.56							
154	8.23	5	U	5	U	0.24		0.0068		0.04							
155	8.44	8		5	U	0.04		0.0256		0.053							
156	7.34	5	U	5	U	0.01	U	0.004	U	0.01	U						
157	7.68	34		5.1		0.06		0.067		0.225							
158	8.2	45		5	U	0.071		0.114		0.427							
159	8.44	7		5	U	0.01	U	0.0046		0.047							
160	7.67	4		2	U	0.001	U	0.001	U	0.026							
161	7.85	48		7		0.001	U	0.001	U	0.041							
162	7.66	36		4		0.11		0.05		0.96							
163	8.01	25		2		0.001	U	0.001	U	0.025							
164	7.48	61		7.4		0.086		0.095		0.55							
165	8.12	22		5	U	0.099		0.048		0.669							
166	7.45	5	U	5	U	0.023		0.0033		0.07							
167	8.04	12		5.3		0.032		0.0229		0.098							
168	7.37	27		5	U	0.012		0.0145		0.061							
169	7.98	8		5	U	0.011		0.0246		0.107							
170	8.03	23		5	U	0.029		0.0415		0.175							
171	7.86	6		5	U	0.01	U	0.002		0.013							
172	7.01	16		6.7		0.086		0.16		0.4							

	V	W	X	Y	Z	AA
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	A	B	C	D
173	3	3	3	5/8/2004
174	4	4	4	5/8/2004
175	5	5	5	5/8/2004
176	6	6	7	5/8/2004
177	15	15	15	5/8/2004
178	16	16	16	5/8/2004
179	20	20	20	5/8/2004
180	1	1	1	12/13/2004
181	3	3	3	12/13/2004
182	4	4	4	12/13/2004
183	5	5	5	12/13/2004
184	6	6	7	12/13/2004
185	14	14	14	12/13/2004
186	16	16	16	12/13/2004
187	20	20	20	12/13/2004
188	1	1	1	3/26/2005
189	3	3	3	3/26/2005
190	4	4	4	3/26/2005
191	5	5	5	3/26/2005
192	6	6	7	3/26/2005
193	15	15	15	3/26/2005
194	16	16	16	3/26/2005
195	20	20	20	3/26/2005
196	3	3	3	4/1/2005
197	5	5	5	4/1/2005
198	6	6	7	4/1/2005
199	20	20	20	4/1/2005
200	3	3	3	5/10/2005
201	5	5	5	5/10/2005
202	6	6	7	5/10/2005
203	3	3		11/25/2005
204	4	4		11/25/2005
205	5	5		11/25/2005
206	6	6		11/25/2005
207	14	14		11/25/2005
208	15	15		11/25/2005
209	20	20		11/25/2005
210	3	3		3/16/2006
211	4	4		3/16/2006
212	5	5		3/16/2006
213	6	6		3/16/2006
214	15	15		3/16/2006
215	16	16		3/16/2006

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
173	7.67	8		3.2		0.026		0.064		0.24							
174	7.85	4		2.3		0.039		0.01	U	0.035							
175	7.88	8		2.6		0.024		0.036		0.086							
176	7.56	9		2	U	0.006		0.037		0.016							
177	7.68	240		8.9		0.19		0.354		0.66							
178	8.11	64		3.7		0.15		0.183		0.36							
179	8.01	32		3.6		0.018		0.025		0.1							
180	7.29	280		11.2		0.2		0.691		2.2							
181	7.21	130		9.6		0.23		0.398		2.3							
182	6.76	48		3.1		0.12		0.21		0.49							
183	7.05	100		4.4		0.17		0.401		0.92							
184	7.55	14		2	U	0.023		0.04		0.1							
185	7.71	15		2.4		0.037		0.066		0.19							
186	7.45	12		2		0.033		0.019		0.2							
187	7.38	18		2	U	0.009		0.005	U	0.028							
188	7.02	4		3.7		0.063		0.114		0.58							
189	6.81	12		2	U	0.066		0.119		0.61							
190	7.13	21		2	U	0.055		0.084		0.9							
191	7.01	60		2	U	0.093		0.217		0.59							
192	7.58	26		2	U	0.008		0.019		0.034							
193	8.1	34		6		0.058		0.086		0.17							
194	7.93	5		2	U	0.026		0.054		0.29							
195	7.92	8		2	U	0.019		0.027		0.29							
196	7.3	216		5.1		0.343		0.791		4.1							
197	7.2	132		5.1		0.183		0.42		1.47							
198	6.3	8		24.1		0.0104		0.022		0.0594							
199	6.3	44		5.3		0.0383		0.0555		0.264							
200	7.92	120		3.6		0.11		0.36		1.7							
201	7.55	120		2	U	0.15		0.199		0.6							
202	7	1.3		2	U	0.0032		0.0043		0.0065							
203	7.98	50		5.9		0.18		0.223		2.7							
204	6.96	10		3		0.034		0.005	U	0.075							
205	7.01	6.3		2	U	0.007		0.023		0.098							
206	8.1	9.3		2	U	0.005	U	0.005	U	0.004							
207	7.99	1	U	2	U	0.005	U	0.005	U	0.038							
208	6.91	40		2	U	0.075		0.074		0.21							
209	7.86	3		2	U	0.005	U	0.005	U	0.006							
210	7.08	170		14.4		0.27		0.71		10							
211	7.82	10		6.1		0.13		0.071		0.26							
212	7.73	5		2	U	0.007		0.005		0.022							
213	8.84	1	U	2	U	0.005	U	0.005	U	0.003	U						
214	9.01	210		3.4		0.14		0.243		0.57							
215	9.39	92		2	U	0.1		0.224		0.72							

	V	W	X	Y	Z	AA
173						
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195						
196	0.00189				820	
197	0.000831				88	
198	0.0000386				5	U
199	0.000083				38	
200	0.000068				6	
201	0.000057				19	
202	0.0000099				5	U
203						
204						
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206						
207						
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210						
211						
212						
213						
214						
215						

	A	B	C	D
216	20	20		3/16/2006
217	1	1		11/30/2006
218	6	6		11/30/2006
219	13	13		11/30/2006
220	14	14		11/30/2006
221	20	20		11/30/2006
222	6	6		5/20/2007
223	13	13		5/20/2007
224	14	14		5/20/2007
225	20	20		5/20/2007
226				
227				Benchmarks[4]
228				
229	1 - Outfall designation at time of sampling			
230	2 - Based on drainage basins shown in March 2003 SPCP			
231	3 - Based on drainage basins shown in October 1999 SPCP			
232	4 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria			

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
216	8.12	160		2.5		0.034		0.074		0.22							
217	7.92	320		12.5		0.16		0.375		1.5							
218	7.8	5		7.4		0.005		0.023		0.045							
219	8.98	190		6.9		0.11		0.177		0.61							
220	8.85	150		2.3		0.13		0.255		0.74							
221	7.23	53		2	U	0.005	U	0.056		0.06							
222	7.62	48		3.2		0.007		0.005	U	0.072							
223	7.46	15		3.5		0.047		0.04		0.2							
224	7.88	48		6.2		0.011		0.005	U	0.035							
225	7.31	8		2	U	0.048		0.017		0.21							
226																	
227		130		10		0.1		0.4		0.6		4.25		0.02		8.5	
228																	
229																	
230																	
231																	
232																	

	V	W	X	Y	Z	AA
216						
217						
218						
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224						
225						
226						
227	0.01		7			
228						
229						
230						
231						
232						

	A	B	C
1			
2		New	Old
3		Drainage	Drainage
4	Outfall	Basin[2]	Basin[3]
5			
6	2	2	2
7	3	3	3
8	4	4	4
9	5	5	5
10	6	5	6
11	7	6	7
12	9	9	9
13	14	14	14
14	15	15	15
15	16	16	16
16	18	18	18
17	11?	?	?
18	12?	?	?
19	17?	?	?
20	2	2	2
21	3	3	3
22	4	4	4
23	5	5	5
24	6	5	6
25	7	6	7
26	10	10	10
27	14	14	14
28	15	15	15
29	16	16	16
30	18	18	18
31	11?	?	?
32	12?	?	?
33	17?	?	?
34	2	2	2
35	3	3	3
36	4	4	4
37	5	5	5

	D	E	F	G	H	I	J	K	L	M	N
1											
2											
3											
4	Date	pH	TSS	O&G	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	12/14/1993	8.3	32	4	0.06	0.11	0.7	0.0025	0.004	0.01	0.0001
7	12/14/1993	8.03	160	2.5	0.025	0.42	2.3	0.005	0.01	0.053	0.0001
8	12/14/1993	6.85	170	6	0.005	0.06	0.16	0.007	0.002	0.014	0.0001
9	12/14/1993	7.77	110	13	0.08	0.14	0.49	0.0025	0.004	0.025	0.0001
10	12/14/1993	7.72	130	11	0.06	0.06	0.11	0.0025	0.001	0.01	0.0001
11	12/14/1993	8.24	25	2.5	0.005	0.01	0.005	0.0025	0.001	0.006	0.0001
12	12/14/1993	8.64	330	2.5	0.15	0.68	0.81	0.0025	0.03	0.048	0.0015
13	12/14/1993	7.99	100	6	0.1	0.26	0.48	0.0025	0.002	0.04	0.0001
14	12/14/1993	7.93	10	2.5	0.005	0.02	0.1	0.0025	0.001	0.012	0.0001
15	12/14/1993	7.6	56	13	0.07	0.08	0.21	0.0025	0.004	0.019	0.0001
16	12/14/1993	8.24	25	8	0.16	0.31	0.52	0.005	0.003	0.059	0.0001
17	12/14/1993	9.55	85	2.5	0.005	0.3	0.12	0.0025	0.001	0.011	0.0001
18	12/14/1993	7.7	70	2.5	0.2	0.39	0.67	0.0025	0.003	0.054	
19	12/14/1993	9.04	38	2.5	0.005	0.09	0.28	0.0025	0.001	0.026	0.0001
20	12/14/1994	8.43	530	20	0.34	0.74	5.9	0.005	0.026	0.082	0.002
21	12/14/1994	7.52	8	6	0.04	0.025	0.16	0.005	0.001	0.004	0.0001
22	12/14/1994	7.74	30	2.5	0.13	0.033	0.13	0.005	0.001	0.08	0.0001
23	12/14/1994	7.46	280	8	0.12	0.3	0.74	0.005	0.006	0.048	0.0001
24	12/14/1994	8.88	54	8	0.03	0.031	0.06	0.005	0.001	0.013	0.0001
25	12/14/1994	9.71	32	2.5	0.04	0.017	0.05	0.005	0.001	0.01	0.0001
26	12/14/1994	7.75	10	2.5	0.005	0.005	0.05	0.005	0.001	0.005	0.0001
27	12/14/1994	7.76	81	11	0.11	0.19	0.39	0.005	0.002	0.036	0.0006
28	12/14/1994	7.79	13	2.5	0.04	0.007	0.15	0.005	0.001	0.006	0.0001
29	12/14/1994	7.3	12	2	0.03	0.022	0.15	0.005	0.001	0.006	0.0001
30	12/14/1994	7.28	180	9	0.66	0.55	1.2	0.013	0.011	0.05	0.004
31	12/14/1994	7.66	76	5	0.05	0.056	0.13	0.005	0.001	0.014	0.0001
32	12/14/1994	7.32	65	7	0.19	0.32	0.6	0.006	0.003	0.054	0.0016
33	12/14/1994	8.52	180	6	0.28	0.55	0.77	0.006	0.006	0.095	0.0001
34	2/17/1995	7.32	32	2.5	0.05	0.08	0.64	0.005	0.004	0.009	0.0001
35	2/17/1995	8.15	340	19	0.55	1.1	6.7	0.013	0.031	0.15	0.0029
36	2/17/1995	7.84	250	12	0.08	0.18	0.43	0.005	0.002	0.043	0.0001
37	2/17/1995	9.8	28	2.5	0.005	0.005	0.03	0.005	0.001	0.005	0.0001

	O	P	Q
1			
2			
3			
4	Nickel	COD	
5			
6	0.005		
7	0.05		
8	0.005		
9	0.005		
10	0.005		
11	0.005		
12	0.005		
13	0.005		
14	0.005		
15	0.01		
16	0.005		
17	0.005		
18	0.005		
19	0.005		
20	0.08		
21	0.05		
22	0.005		
23	0.05		
24	0.05		
25	0.05		
26	0.05		
27	0.01		
28	0.06		
29	0.1		
30	0.08		
31	0.05		
32	0.02		
33	0.03		
34	0.005		
35	0.11		
36	0.02		
37	0.01		

	A	B	C
38	6	5	6
39	7	6	7
40	14	14	14
41	15	15	15
42	16	16	16
43	18	18	18
44	11?	?	?
45	12?	?	?
46	17?	?	?
47	2	2	2
48	3	3	3
49	4	4	4
50	5	5	5
51	6	5	6
52	7	6	7
53	14	14	14
54	15	15	15
55	16	16	16
56	18	18	18
57	11?	?	?
58	12?	?	?
59	17?	?	?
60	2	2	2
61	3	3	3
62	4	4	4
63	5	5	5
64	6	5	6
65	7	6	7
66	14	14	14
67	15	15	15
68	16	16	16
69	18	18	18
70	11?	?	?
71	12?	?	?
72	17?	?	?
73	2	2	2
74	3	3	3

	D	E	F	G	H	I	J	K	L	M	N
38	2/17/1995	7.61	140	16	0.16	0.33	1.2	0.005	0.004	0.056	0.0016
39	2/17/1995	8.77	80	7	0.02	0.064	0.09	0.005	0.001	0.01	0.0001
40	2/17/1995	9.08	40	8	0.11	0.21	0.52	0.005	0.002	0.039	0.001
41	2/17/1995	7.74	22	11	0.07	0.09	0.2	0.005	0.001	0.012	0.0001
42	2/17/1995	7.53	6	8	0.005	0.017	0.06	0.005	0.003	0.005	0.0001
43	2/17/1995	7.64	36	15	0.23	0.07	0.27	0.009	0.001	0.01	0.0013
44	2/17/1995	8.86	180	2.5	0.04	0.08	0.14	0.005	0.001	0.01	0.0001
45	2/17/1995	7.73	140	10	0.35	0.78	1.1	0.012	0.004	0.084	0.0025
46	2/17/1995	7.62	8	2.5	0.005	0.002	0.09	0.005	0.001	0.017	0.0001
47	11/27/1995	7.6	420	11	0.42	0.78	5.3	0.005	0.007	0.18	0.0014
48	11/27/1995	7.5	27	1.5	0.06	0.05	0.24	0.005	0.001	0.01	0.0001
49	11/27/1995	7	64	1.5	0.02	0.05	0.18	0.005	0.001	0.02	0.0001
50	11/27/1995	8.5	280	6	0.12	0.22	0.54	0.005	0.001	0.05	0.0006
51	11/27/1995	7.3	24	1.5	0.005	0.02	0.05	0.005	0.001	0.005	0.0001
52	11/27/1995	9.1	250	4	0.02	0.05	0.15	0.005	0.001	0.03	0.0001
53	11/27/1995	8.8	460	14	0.64	1.2	4.1	0.02	0.01	0.45	0.0046
54	11/27/1995	7.9	56	27	0.15	0.33	0.26	0.005	0.003	0.03	0.0004
55	11/27/1995	7.4	17	1.5	0.03	0.05	0.15	0.005	0.001	0.01	0.0001
56	11/27/1995	7.6	41	4	0.07	0.11	0.3	0.005	0.001	0.03	0.0008
57	11/27/1995	9.1	200	3	0.07	0.09	0.2	0.005	0.001	0.03	0.004
58	11/27/1995	7.3	1900	6	3.1	3.3	10	0.07	0.029	1	0.012
59	11/27/1995	8.9	130	1.5	0.09	0.09	0.26	0.005	0.001	0.06	0.0001
60	4/12/1996	7.9	720	5.3	0.6	1.2	8.7	0.13	0.024	0.14	0.0029
61	4/12/1996	8.4	250	3.5	0.14	0.26	1.9	0.002	0.0025	0.026	0.0001
62	4/12/1996	8.1	1200	1.9	0.19	0.32	1.8	0.006	0.025	0.19	0.0007
63	4/12/1996	8.6	250	4.1	0.15	0.35	0.74	0.005	0.0025	0.039	0.001
64	4/12/1996	8.5	540	1.9	0.08	0.11	0.29	0.005	0.0025	0.023	0.0003
65	4/12/1996	9.2	130	3.5	0.073	0.14	0.3	0.006	0.0025	0.029	0.0003
66	4/12/1996	7.7	56	3.1	0.067	0.11	0.3	0.01	0.0025	0.017	0.0001
67	4/12/1996	8.5	110	8.6	0.14	0.34	0.43	0.006	0.0025	0.019	0.001
68	4/12/1996	8.1	89	4.3	0.098	0.24	0.28	0.002	0.0025	0.005	0.0004
69	4/12/1996	8.1	71	3.2	0.17	0.23	0.44	0.007	0.0025	0.042	0.0007
70	4/12/1996	9.2	1200	5.4	0.27	0.54	1	0.021	0.0025	0.14	0.001
71	4/12/1996	7.8	61	3.3	0.46	1.2	2.2	0.011	0.006	0.1	0.003
72	4/12/1996	8.9	95	2	0.085	0.16	0.27	0.003	0.0025	0.034	0.0003
73	11/18/1996	8.17	1280	13.5	0.679	1.57	10.4	0.008	0.03	0.209	0.004
74	11/18/1996	7.91	304	8.2	0.17	0.318	1.45	0.0025	0.004	0.058	0.8

	O	P	Q
38	0.06		
39	0.05		
40	0.02		
41	0.02		
42	0.03		
43	0.04		
44	0.05		
45	0.05		
46	0.05		
47	0.05		
48	0.05		
49	0.05		
50	0.05		
51	0.05		
52	0.05		
53	0.05		
54	0.05		
55	0.05		
56	0.05		
57	0.05		
58	0.35		
59	0.05		
60	0.13		
61	0.027		
62	0.044		
63	0.033		
64	0.033		
65	0.03		
66	0.01		
67	0.037		
68	0.04		
69	0.026		
70	0.098		
71	0.074		
72	0.01		
73	0.141		
74	0.3		

	A	B	C
75	4	4	4
76	5	5	5
77	6	5	6
78	2	2	2
79	3	3	3
80	4	4	4
81	6	5	6
82	2	2	2
83	3	3	3
84	4	4	4
85	5	5	5
86	6	5	6
87	7	6	7
88	2	2	2
89	3	3	3
90	4	4	4
91	5	5	5
92	6	5	6
93	7	6	7
94	2	2	2
95	3	3	3
96	4	4	4
97	5	5	5
98	6	5	6
99	7	6	7
100	7D	6	7
101	2	2	2
102	3	3	3
103	4	4	4
104	5	5	5
105	6	5	6
106	7	6	7
107	4D	4	4
108	2	2	2
109	3	3	3
110	4	4	4
111	5	5	5

	D	E	F	G	H	I	J	K	L	M	N
75	11/18/1996	8.39	1350	18	1.32	2.76	7.87	0.014	0.03	0.3	0.0011
76	11/18/1996	8.34	860	14.8	0.198	0.461	1.27	0.006	0.002	0.086	0.0013
77	11/18/1996	8.56	368	5.4	0.113	0.285	0.72	0.0025	0.002	0.042	1.1
78	5/28/1997	7.66	6	2.5		0.002	0.03	2.5	0.002	0.0025	0.00025
79	5/28/1997	7.77	13	2.5		0.015	0.08	0.0025	0.002	0.0025	0.00025
80	5/28/1997	7.71	58	2.5		0.025	0.1	0.0025	0.002	0.0025	0.00025
81	5/28/1997	9.33	52	2.5		0.036	0.11	0.006	0.002	0.022	0.00025
82	12/9/1997	7.8	184	40	0.31	0.606	4.47	0.0025	0.016	0.041	0.0022
83	12/9/1997	7.63	96	12	0.267	0.424	3.21	0.0025	0.011	0.023	0.0012
84	12/9/1997	9.41	65	2.5	1.39	0.146	0.56	0.0025	0.002	0.024	0.00025
85	12/9/1997	8.49	73	26	1.81	1.39	3.93	0.0025	0.018	0.188	0.0048
86	12/9/1997	9.98	101	2.5	0.565	0.115	0.28	0.0025	0.002	0.021	0.00025
87	12/9/1997	8.87	452	9	0.505	0.263	0.63	0.0025	0.002	0.031	0.0008
88	5/20/1998	7.64	208	12.6	0.624	1.06	5.72				
89	5/20/1998	7.96	94	5.1	0.586	0.394	2.51				
90	5/20/1998	7.74	360	5.7	4.23	0.456	2.1				
91	5/20/1998	7.6	130	3.3	0.431	0.562	1.61				
92	5/20/1998	7.98	412	3.9	0.801	0.16	0.56				
93	5/20/1998	8.16	270	4.5	0.203	0.078	0.29				
94	11/23/1998	7.56	280	23	0.725	1.06	7.67				
95	11/23/1998	6.87	200	9	7.08	0.344	0.806				
96	11/23/1998	9.75	1120	18	0.499	0.26	0.973				
97	11/23/1998	8.36	220	9	4.76	0.284	0.49				
98	11/23/1998	8.97	420	8	1.27	0.256	0.757				
99	11/23/1998	8.15	19	6	0.132	0.088	0.237				
100	11/23/1998	8.2	46	8	0.169	0.116	0.336				
101	5/3/1999	7.21	23	12	0.085	0.126	1.71				
102	5/3/1999	7.09	2.5	2.5	0.051	0.027	0.262				
103	5/3/1999	7.06	2.5	2.5	0.197	0.003	0.064				
104	5/3/1999	7.04	2.5	2.5	0.022	0.008	0.074				
105	5/3/1999	7.05	2.5	2.5	0.073	0.004	0.012				
106	5/3/1999	7.47	8	2.5	0.012	0.003	0.011				
107	5/3/1999	7	6	2.5	0.199	0.004	0.063				
108	11/11/1999	7.61	200	16	0.663	1.23	7.87				
109	11/11/1999	7.42	88	9	0.383	0.56	3.42				
110	11/11/1999	8.46	287	9	2	0.138	0.634				
111	11/11/1999	7.2	113	11	0.232	0.24	1.57				

	O	P	Q
75	0.227		
76	0.62		
77	0.03		
78	0.01		
79	0.01		
80	0.01		
81	0.01		
82	0.048		
83	0.034		
84	0.01		
85	0.113		
86	0.01		
87	0.01		
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	A	B	C
112	6	5	6
113	7	6	7
114	14	14	14
115	20	20	20
116	2	2	2
117	3	3	3
118	4	4	4
119	5	5	5
120	6	5	6
121	7	6	7
122	20	20	20
123	14	14	14
124	16	16	16
125	2	2	2
126	3	3	3
127	4	4	4
128	5	5	5
129	6	5	6
130	7	6	7
131	20	20	20
132	2	2	2
133	3	3	3
134	4	4	4
135	5	5	5
136	6	5	6
137	7	6	7
138	16	16	16
139	20	20	20
140	2	2	2
141	3	3	3
142	4	4	4
143	7	6	7
144	14	14	14
145	20	20	20
146	5A	5	5/6
147	2	2	2
148	3	3	3

	D	E	F	G	H	I	J	K	L	M	N
112	11/11/1999	9.14	272	14	1.12	0.083	0.274				
113	11/11/1999	9.45	35	2.5	0.005	0.006	0.017				
114	11/11/1999	8.25	13	12	0.052	0.034	0.547				
115	11/11/1999	9.45	20	2.5	0.005	0.006	0.017				
116	3/4/2000	7.79	160	7	0.323	0.396	2.91				
117	3/4/2000	7.58	77	2.5	0.216	0.24	1.8				
118	3/4/2000	10.35	36	2.5	0.138	0.039	0.218				
119	3/4/2000	7.91	112	6	0.214	0.228	1.38				
120	3/4/2000	9.8	26	2.5	0.079	0.012	0.031				
121	3/4/2000	8.52	49	2.5	0.029	0.036	0.085				
122	3/4/2000	9.4	14	2.5	0.005	0.006	0.018				
123	3/10/2000	7.28	99	2.5	0.17	0.158	0.937				
124	3/10/2000	7.09	40	64	0.191	0.177	0.429				
125	6/11/2000	7.64	54	12	0.229	0.301	1.82				
126	6/11/2000	7.65	15	8.2	0.144	0.109	0.485				
127	6/11/2000	7.75	11	2.5	0.101	0.008	0.039				
128	6/11/2000	7.6	11	2.5	0.031	0.032	0.197				
129	6/11/2000	7.98	13	2.5	0.018	0.003	0.005				
130	6/11/2000	8.16	2.5	2.5	0.014	0.011	0.038				
131	6/11/2000	8.45	8	2.5	0.005	0.006	0.017				
132	10/20/2000	7.31	13	9.6	0.03	0.019	0.287				
133	10/20/2000	8.2	82	10	0.554	0.441	2.3				
134	10/20/2000	7.11	30	2.5	0.296	0.02	0.088				
135	10/20/2000	8.39	206	2.5	0.24	0.375	1.51				
136	10/20/2000	8.3	880	2.5	2.6	0.23	0.688				
137	10/20/2000	7.75	8	2.5	0.014	0.015	0.048				
138	10/20/2000	7.18	64	2.5	0.09	0.094	0.342				
139	10/20/2000	6.95	16	2.5	0.005	0.003	0.024				
140	10/30/2001	7.04	14	5	0.081	0.153	1.04				
141	10/30/2001	7.19	10	5	0.099	0.07	0.252				
142	10/30/2001	7.94	2.5	2.5	0.045	0.014	0.04				
143	10/30/2001	8.1	36	2.5	0.034	0.059	0.231				
144	10/30/2001	7.67	156	2.5	0.193	0.286	1.23				
145	10/30/2001	8.23	28	2.5	0.018	0.028	0.057				
146	10/30/2001	7.76	10	2.5	0.027	0.028	0.082				
147	5/22/2002	7.22	13	13	0.17	0.024	0.268				
148	5/22/2002	7.38	11	2.5	0.019	0.001	0.076				

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	A	B	C
149	7	6	7
150	16	16	16
151	5A	5	5/6
152	1	1	1
153	3	3	3
154	4	4	4
155	6A	6	7
156	15	15	15
157	16	16	16
158	20	20	20
159	5A	5	5/6
160	3	3	3
161	4	4	4
162	14	14	14
163	20	20	20
164	1	1	1
165	1	1	1
166	3	3	3
167	3	3	3
168	4	4	4
169	4	4	4
170	5	5	5
171	5	5	5
172	14	14	14
173	15	15	15
174	16	16	16
175	16	16	16
176	20	20	20
177	20	20	20
178	6A	6	7
179	6A	6	7
180	1	1	1
181	1	1	1
182	3	3	3
183	3	3	3
184	4	4	4
185	4	4	4

	D	E	F	G	H	I	J	K	L	M	N
149	5/22/2002	8.42	59	2.5	0.025	0.016	0.106				
150	5/22/2002	7.09	73	7.1	0.144	0.164	0.654				
151	5/22/2002	7.91	2.5	2.5	0.013	0.001	0.015				
152	2/16/2003	7.23	14	6.9	0.071	0.096	0.46				
153	2/16/2003	7.42	106	17	0.18	0.206	1.56				
154	2/16/2003	8.23	2.5	2.5	0.24	0.0068	0.04				
155	2/16/2003	7.34	2.5	2.5	0.005	0.002	0.005				
156	2/16/2003	7.68	34	5.1	0.06	0.067	0.225				
157	2/16/2003	8.2	45	2.5	0.071	0.114	0.427				
158	2/16/2003	8.44	7	2.5	0.005	0.0046	0.047				
159	2/16/2003	8.44	8	2.5	0.04	0.0256	0.053				
160	6/20/2003	7.67	4	1	0.0005	0.0005	0.026				
161	6/20/2003	7.85	48	7	0.0005	0.0005	0.041				
162	6/20/2003	7.66	36	4	0.11	0.05	0.96				
163	6/20/2003	8.01	25	2	0.0005	0.0005	0.025				
164	12/5/2003	7.48	61	7.4	0.086	0.095	0.55				
165	5/8/2004	7.01	16	6.7	0.086	0.16	0.4				
166	12/5/2003	8.12	22	2.5	0.099	0.048	0.669				
167	5/8/2004	7.67	8	3.2	0.026	0.064	0.24				
168	12/5/2003	7.45	2.5	2.5	0.023	0.0033	0.07				
169	5/8/2004	7.85	4	2.3	0.039	0.005	0.035				
170	12/5/2003	8.04	12	5.3	0.032	0.0229	0.098				
171	5/8/2004	7.88	8	2.6	0.024	0.036	0.086				
172	12/5/2003	7.98	8	2.5	0.011	0.0246	0.107				
173	5/8/2004	7.68	240	8.9	0.19	0.354	0.66				
174	12/5/2003	8.03	23	2.5	0.029	0.0415	0.175				
175	5/8/2004	8.11	64	3.7	0.15	0.183	0.36				
176	12/5/2003	7.86	6	2.5	0.005	0.002	0.013				
177	5/8/2004	8.01	32	3.6	0.018	0.025	0.1				
178	12/5/2003	7.37	27	2.5	0.012	0.0145	0.061				
179	5/8/2004	7.56	9	1	0.006	0.037	0.016				
180	12/13/2004	7.29	280	11.2	0.2	0.691	2.2				
181	3/26/2005	7.02	4	3.7	0.063	0.114	0.58				
182	12/13/2004	7.21	130	9.6	0.23	0.398	2.3				
183	3/26/2005	6.81	12	1	0.066	0.119	0.61				
184	12/13/2004	6.76	48	3.1	0.12	0.21	0.49				
185	3/26/2005	7.13	21	1	0.055	0.084	0.9				

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	A	B	C
186	5	5	5
187	5	5	5
188	6	6	7
189	6	6	7
190	14	14	14
191	15	15	15
192	16	16	16
193	16	16	16
194	20	20	20
195	20	20	20
196	3	3	3
197	3	3	3
198	5	5	5
199	5	5	5
200	6	6	7
201	6	6	7
202	20	20	20
203			
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206			
207	1 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria		

	D	E	F	G	H	I	J	K	L	M	N
186	12/13/2004	7.05	100	4.4	0.17	0.401	0.92				
187	3/26/2005	7.01	60	1	0.093	0.217	0.59				
188	12/13/2004	7.55	14	1	0.023	0.04	0.1				
189	3/26/2005	7.58	26	1	0.008	0.019	0.034				
190	12/13/2004	7.71	15	2.4	0.037	0.066	0.19				
191	3/26/2005	8.1	34	6	0.058	0.086	0.17				
192	12/13/2004	7.45	12	2	0.033	0.019	0.2				
193	3/26/2005	7.93	5	1	0.026	0.054	0.29				
194	12/13/2004	7.38	18	1	0.009	0.0025	0.028				
195	3/26/2005	7.92	8	1	0.019	0.027	0.29				
196	4/1/2005	7.3	216	5.1	0.343	0.791	4.1				0.00189
197	5/10/2005	7.92	120	3.6	0.11	0.36	1.7				0.000068
198	4/1/2005	7.2	132	5.1	0.183	0.42	1.47				0.000831
199	5/10/2005	7.55	120	1	0.15	0.199	0.6				0.000057
200	4/1/2005	6.3	8	24.1	0.0104	0.022	0.0594				0.0000386
201	5/10/2005	7	1.3	1	0.0032	0.0043	0.0065				0.0000099
202	4/1/2005	6.3	44	5.3	0.0383	0.0555	0.264				0.000083
203											
204	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01
205											
206											
207											

	O	P	Q
186			
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194			
195			
196		820	
197		6	
198		88	
199		19	
200		2.5	
201		2.5	
202		38	
203			
204	7		
205			
206			
207			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1															
2	**TSS**														
3															
4	**Concentration**														
5	Old Basin	1	2	3	4	5	6	5/6		7	9	10	11	12	14
6	New Basin	1	2	3	4	5	5	5	Ave 5	6	9	10	11	12	14
7															
8	12/14/1993		32	160	170	110	130		120	25	330				100
9	12/14/1994		530	8	30	280	54		167	32		10			81
10	2/17/1995		32	340	250	28	140		84	80					40
11	11/27/1995		420	27	64	280	24		152	250					460
12	4/12/1996		720	250	1200	250	540		395	130					56
13	11/18/1996		1280	304	1350	860	368		614						
14	5/28/1997		6	13	58		52		52						
15	12/9/1997		184	96	65	73	101		87	452					
16	5/20/1998		208	94	360	130	412		271	270					
17	11/23/1998		280	200	1120	220	420		320	19					
18	5/3/1999		23	2.5	2.5	2.5	2.5		2.5	8					
19	11/11/1999		200	88	287	113	272		192.5	35					13
20	3/4/2000		160	77	36	112	26		69	49					99
21	6/11/2000		54	15	11	11	13		12	2.5					
22	10/20/2000		13	82	30	206	880		543	8					
23	10/30/2001		14	10	2.5			10	10	36					156
24	5/22/2002		13	11				2.5	2.5	59					
25	2/16/2003	14		106	2.5			8	8	2.5					
26	6/20/2003			4	48										36
27	12/5/2003	61		22	2.5			12	12	27					8
28	5/8/2004	16		8	4			5	5	9					
29	12/13/2004	280		130	48			100	100	14					15
30	3/26/2005	4		12	21			60	60	26					
31	4/1/2005			216				132	132	8					
32	5/10/2005			120				120	120	1.3					
33															
34	Benchmark		130												
35															
36															
37	700														

SCHN00376802

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1														
2														
3														
4									**Exceedance Ratio**					
5	15	16	17	18	20				1	2	3	4	5	6
6	15	16	17	18	20		Average		1	2	3	4	5	5
7														
8	10	56		25			102.8			0.25	1.23	1.31	0.85	1.00
9	13	12		180			106.3			4.08	0.06	0.23	2.15	0.42
10	22	6		36			98.9			0.25	2.62	1.92	0.22	1.08
11	56	17		41			165.2			3.23	0.21	0.49	2.15	0.18
12	110	89		71			335.7			5.54	1.92	9.23	1.92	4.15
13							887.0			9.85	2.34	10.38	6.62	2.83
14							32.3			0.05	0.10	0.45		0.40
15							176.8			1.42	0.74	0.50	0.56	0.78
16							240.6			1.60	0.72	2.77	1.00	3.17
17							387.8			2.15	1.54	8.62	1.69	3.23
18							7.7			0.18	0.02	0.02	0.02	0.02
19					20		119.4			1.54	0.68	2.21	0.87	2.09
20		40			14		68.0			1.23	0.59	0.28	0.86	0.20
21		64			8		23.8			0.42	0.12	0.08	0.08	0.10
22					16		115.3			0.10	0.63	0.23	1.58	6.77
23					28		36.6			0.11	0.08	0.02		
24		73					31.7			0.10	0.08			
25	34	45			7		27.4		0.11		0.82	0.02		
26					25		28.3				0.03	0.37		
27		23			6		20.2		0.47		0.17	0.02		
28	240	64			32		47.3		0.12		0.06	0.03		
29		12			18		77.1		2.15		1.00	0.37		
30	34	5			8		21.3		0.03		0.09	0.16		
31					44		100.0				1.66			
32							80.4				0.92			
33														
34														
35														
36														
37														

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS
1																
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3																
4																
5	5/6		7	9	10	11	12	14	15	16	17	18	20			
6	5	Ave 5	6	9	10	11	12	14	15	16	17	18	20		Average	
7																
8		0.92	0.19	2.54				0.77	0.08	0.43		0.19			0.8	
9		1.28	0.25		0.08			0.62	0.10	0.09		1.38			0.8	
10		0.65	0.62					0.31	0.17	0.05		0.28			0.8	
11		1.17	1.92					3.54	0.43	0.13		0.32			1.3	
12		3.04	1.00					0.43	0.85	0.68		0.55			2.6	
13		4.72													6.8	
14		0.40													0.2	
15		0.67	3.48												1.4	
16		2.08	2.08												1.9	
17		2.46	0.15												3.0	
18		0.02	0.06												0.1	
19		1.48	0.27					0.10					0.15		0.9	
20		0.53	0.38					0.76		0.31			0.11		0.5	
21		0.09	0.02							0.49			0.06		0.2	
22		4.18	0.06										0.12		0.9	
23	0.08	0.08	0.28					1.20					0.22		0.3	
24	0.02	0.02	0.45							0.56					0.2	
25	0.06	0.06	0.02						0.26	0.35			0.05		0.2	
26								0.28					0.19		0.2	
27	0.09	0.09	0.21					0.06		0.18			0.05		0.2	
28	0.04	0.04	0.07						1.85	0.49			0.25		0.4	
29	0.77	0.77	0.11					0.12		0.09			0.14		0.6	
30	0.46	0.46	0.20						0.26	0.04			0.06		0.2	
31	1.02	1.02	0.06										0.34		0.8	
32	0.92	0.92	0.01												0.6	
33																
34																
35																
36																
37	**Average Site-Wide Comparison Factor - TSS**															

	AT	AU	AV
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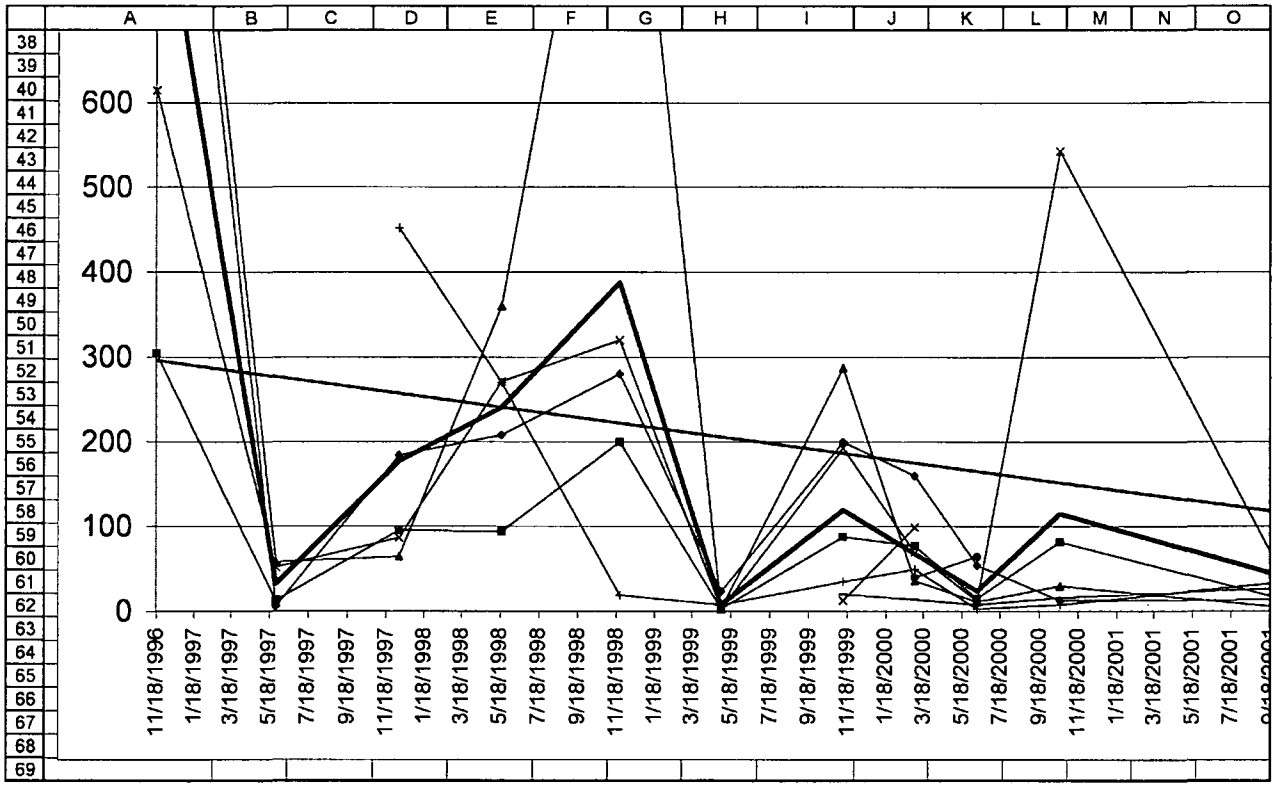

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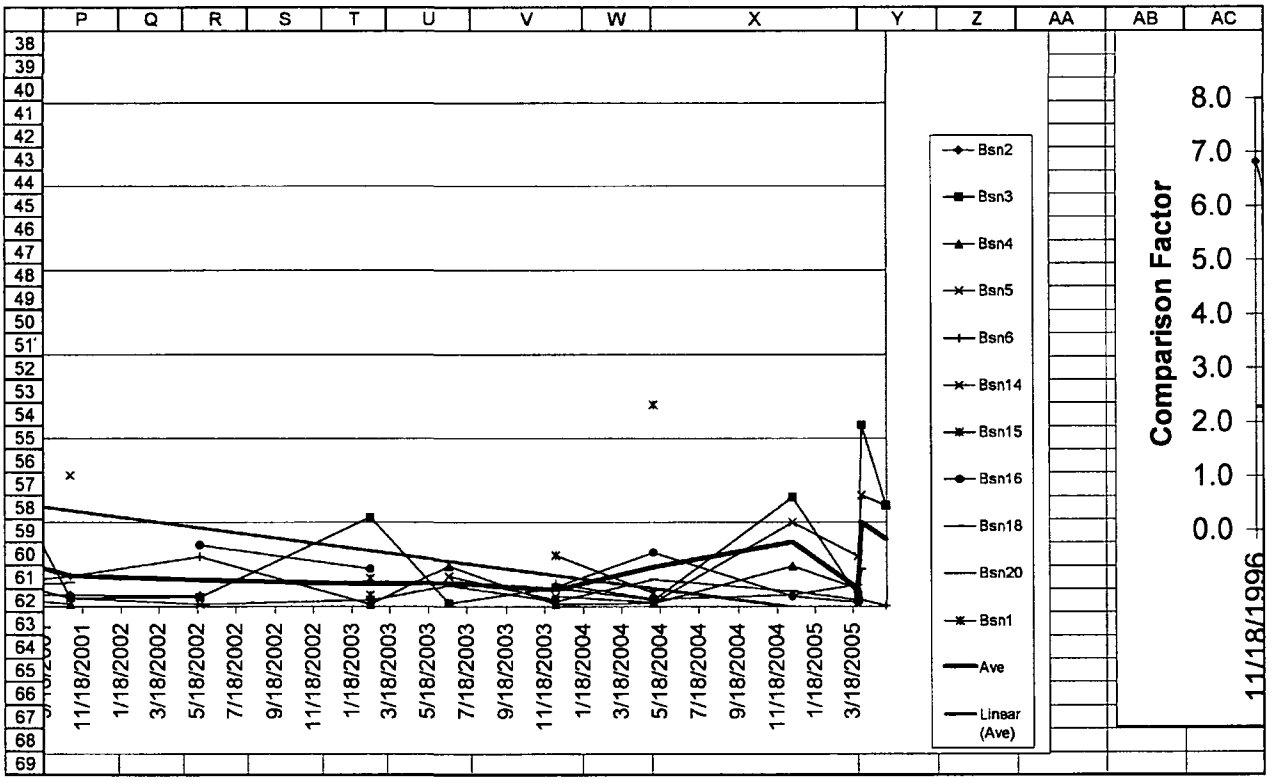

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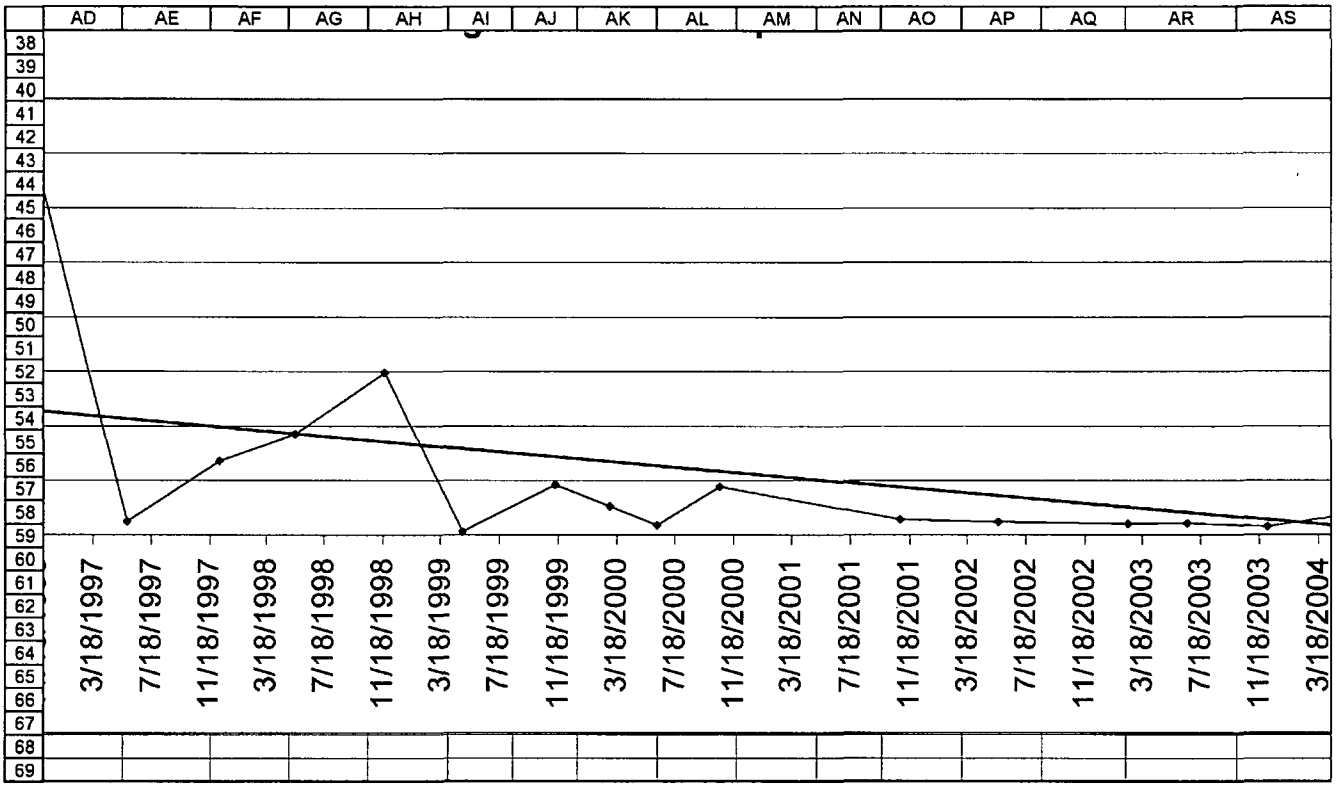

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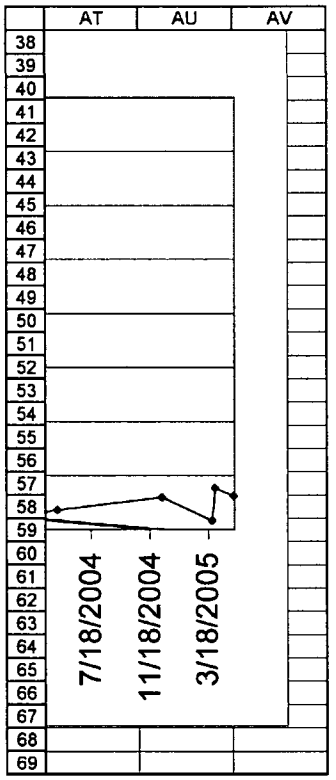

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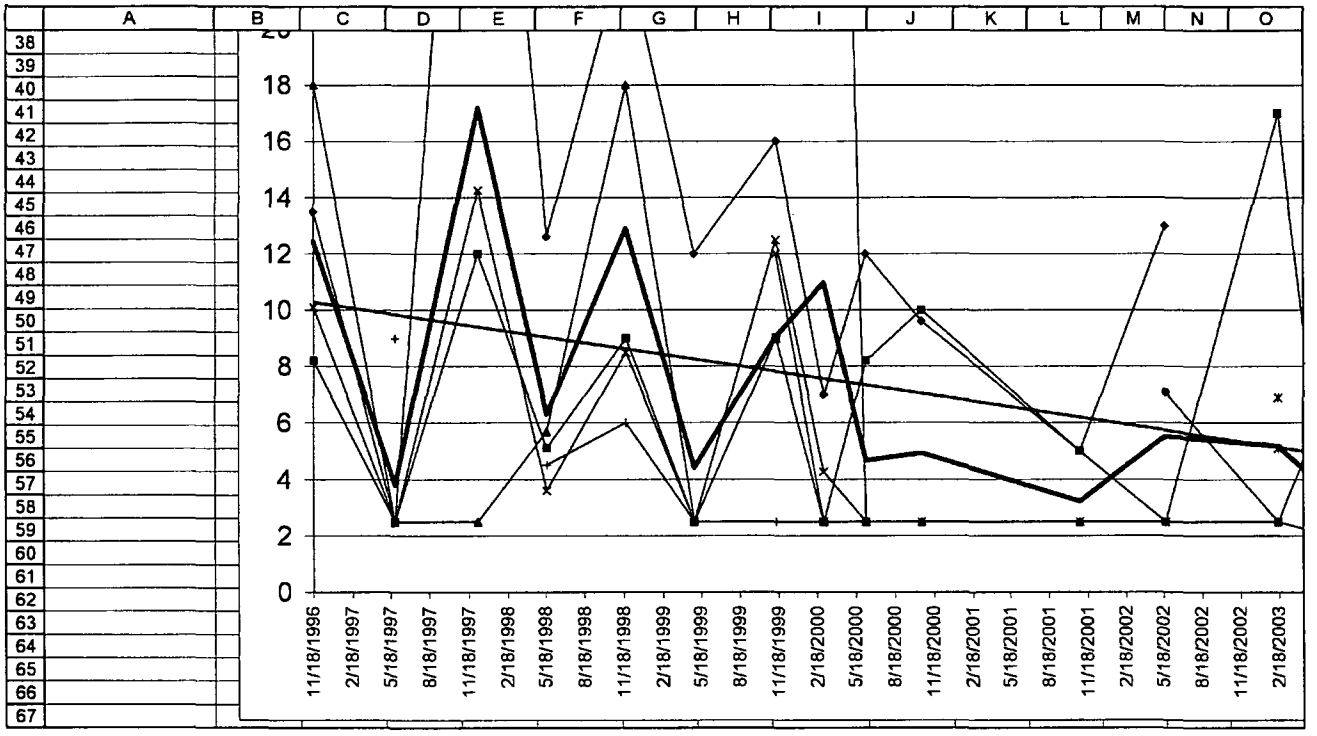
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1															
2	**TPH**														
3															
4	**Concentration**														
5	Old Basin	1	2	3	4	5	6	5/6		7	9	10	11	12	14
6	New Basin	**1**	**2**	**3**	**4**	5	5	5	**Ave 5**	**6**	9	**10**	11	12	**14**
7															
8	12/14/1993		4	2.5	6	13	11		12	2.5	2.5				6
9	12/14/1994		20	6	2.5	8	8		8	2.5		2.5			11
10	2/17/1995		2.5	19	12	2.5	16		9.25	7					8
11	11/27/1995		11	1.5	1.5	6	1.5		3.75	4					14
12	4/12/1996		5.3	3.5	1.9	4.1	1.9		3	3.5					3.1
13	11/18/1996		13.5	8.2	18	14.8	5.4		10.1						
14	5/28/1997		2.5	2.5	2.5		2.5		2.5	9					
15	12/9/1997		40	12	2.5	26	2.5		14.25						
16	5/20/1998		12.6	5.1	5.7	3.3	3.9		3.6	4.5					
17	11/23/1998		23	9	18	9	8		8.5	6					
18	5/3/1999		12	2.5	2.5	2.5	2.5		2.5	2.5					
19	11/11/1999		16	9	9	11	14		12.5	2.5					12
20	3/4/2000		7	2.5	2.5	6	2.5		4.25	2.5					2.5
21	6/11/2000		12	8.2	2.5	2.5	2.5		2.5	2.5					
22	10/20/2000		9.6	10	2.5	2.5	2.5		2.5	2.5					
23	10/30/2001		5	5	2.5			2.5	2.5	2.5					2.5
24	5/22/2002		13	2.5				2.5	2.5	2.5					
25	2/16/2003	6.9		17	2.5			2.5	2.5	2.5					
26	6/20/2003			1	7										4
27	12/5/2003	7.4		2.5	2.5			5.3	5.3	2.5					2.5
28	5/8/2004	6.7		3.2	2.3			2.6	2.6	1					
29	12/13/2004	11.2		9.6	3.1			4.4	4.4	1					2.4
30	3/26/2005	3.7		1	1			1	1	1					
31	4/1/2005			5.1				5.1	5.1	24.1					
32	5/10/2005			3.6				1	1	1					
33															
34	Benchmark		10												
35															
36															
37		20													

SCHN00376810

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1														
2														
3														
4									**Exceedance Ratio**					
5	15	16	17	18	20				1	2	3	4	5	6
6	**15**	**16**	17	18	**20**		Average		1	2	3	4	5	5
7														
8	2.5	13	2.5	8			5.59			0.4	0.25	0.6	1.3	1.1
9	2.5	2	6	9			6.55			2	0.6	0.25	0.8	0.8
10	11	8	2.5	15			9.43			0.25	1.9	1.2	0.25	1.6
11	27	1.5	1.5	4			6.98			1.1	0.15	0.15	0.6	0.15
12	8.6	4.3	2	3.2			3.84			0.53	0.35	0.19	0.41	0.19
13							12.45			1.35	0.82	1.8	1.48	0.54
14							3.80			0.25	0.25	0.25		0.25
15							17.19			4	1.2	0.25	2.6	0.25
16							6.30			1.26	0.51	0.57	0.33	0.39
17							12.90			2.3	0.9	1.8	0.9	0.8
18							4.40			1.2	0.25	0.25	0.25	0.25
19					2.5		9.07			1.6	0.9	0.9	1.1	1.4
20		64			2.5		10.97			0.7	0.25	0.25	0.6	0.25
21		2.5			2.5		4.67			1.2	0.82	0.25	0.25	0.25
22					2.5		4.93			0.96	1	0.25	0.25	0.25
23					2.5		3.21			0.5	0.5	0.25		
24		7.1					5.52			1.3	0.25			
25	5.1	2.5			2.5		5.19		0.69		1.7	0.25		
26					2		3.50				0.1	0.7		
27		2.5			2.5		3.46		0.74		0.25	0.25		
28	8.9	3.7			3.6		4.00		0.67		0.32	0.23		
29		2			1		4.34		1.12		0.96	0.31		
30	6	1			1		1.96		0.37		0.1	0.1		
31					5.3		9.90				0.51			
32							1.87				0.36			
33														
34								Ave	0.72	1.23	0.61	0.50	0.79	0.56
35														
36														
37														

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
1															
2															
3															
4															
5	5/6		7	9	10	11	12	14	15	16	17	18	20		Average
6	5	Ave 5	6	9	10	11	12	14	15	16	17	18	20		Average
7															
8		1.2	0.25	0.25				0.6	0.25	1.3		0.8			0.59
9		0.8	0.25		0.25			1.1	0.25	0.2		0.9			0.66
10		0.925	0.7					0.8	1.1	0.8		1.5			1.02
11		0.375	0.4					1.4	2.7	0.15		0.4			0.76
12		0.3	0.35					0.31	0.86	0.43		0.32			0.40
13		1.01													1.25
14		0.25	0.9												0.38
15		1.425													1.72
16		0.36	0.45												0.63
17		0.85	0.6												1.29
18		0.25	0.25												0.44
19		1.25	0.25					1.2					0.25		0.91
20		0.425	0.25					0.25		6.4			0.25		1.10
21		0.25	0.25							0.25			0.25		0.47
22		0.25	0.25										0.25		0.49
23	0.25	0.25	0.25					0.25					0.25		0.32
24	0.25	0.25	0.25							0.71					0.55
25	0.25	0.25	0.25						0.51	0.25			0.25		0.52
26								0.4					0.2		0.35
27	0.53	0.25	0.25					0.25		0.25			0.25		0.31
28	0.26	0.25	0.1						0.89	0.37			0.36		0.40
29	0.44	0.25	0.1					0.24		0.2			0.1		0.41
30	0.1	0.25	0.1						0.6	0.1			0.1		0.22
31	0.51	0.25	2.41										0.53		0.93
32	0.1	0.25	0.1												0.24
33															
34	0.30	0.51	0.41	0.25	0.25			0.62	0.90	0.88		0.78	0.25		0.65
35															
36															
37															



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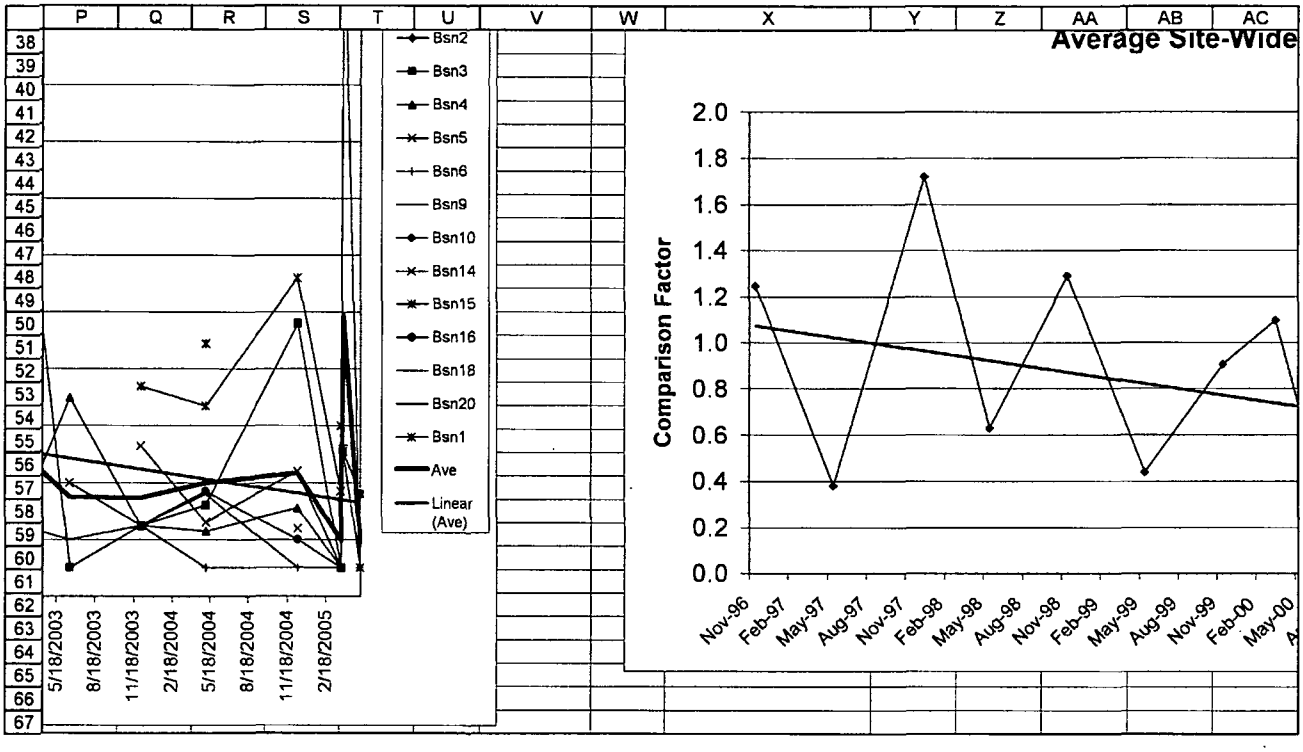

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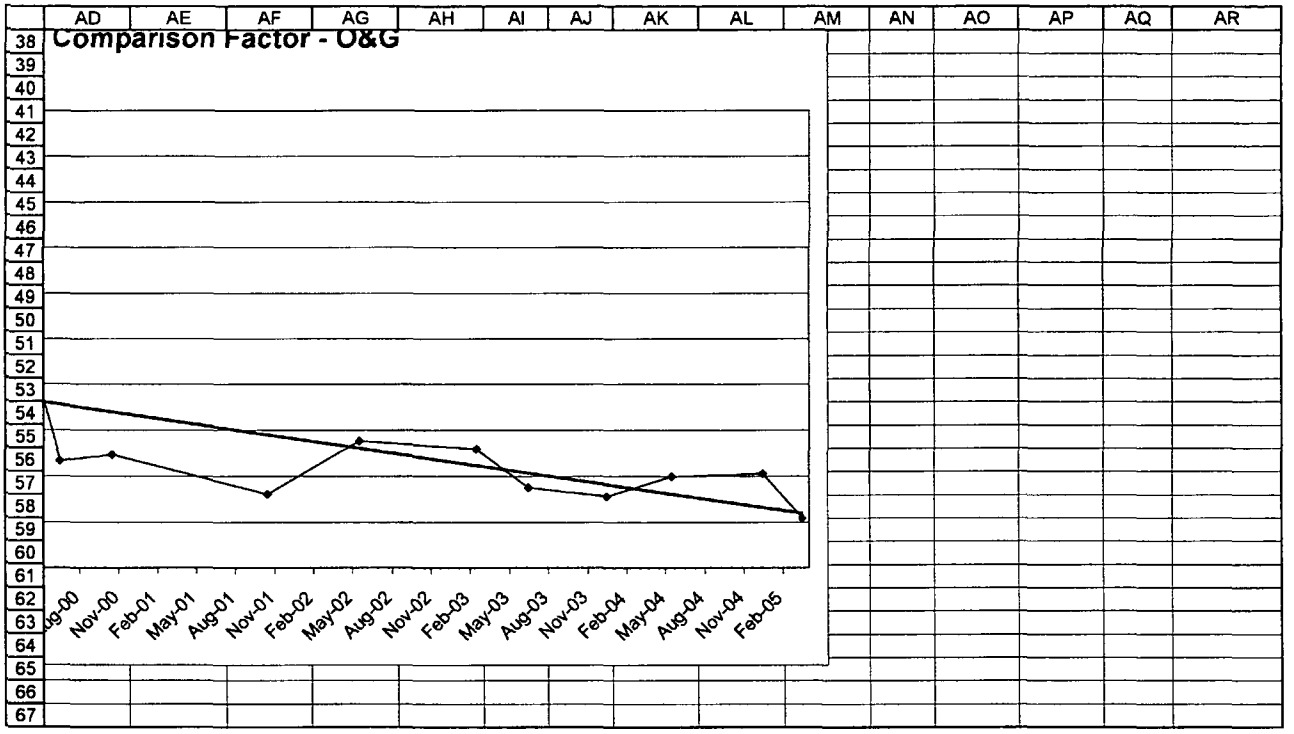

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	A	B	C	D	E	F	G	H	I	J	K	L
1	**Copper**											
2												
3												
4	**Concentration**											
5	Old Basin	1	2	3	4	5	6	5/6		7	9	10
6	New Basin	1	2	3	4	5	5	5	Ave 5	6	9	10
7												
8	12/14/1993		0.06	0.025	0.005	0.08	0.06		0.07	0.005	0.15	
9	12/14/1994		0.34	0.04	0.13	0.12	0.03		0.075	0.04		0.005
10	2/17/1995		0.05	0.55	0.08	0.005	0.16		0.0825	0.02		
11	11/27/1995		0.42	0.06	0.02	0.12	0.005		0.0625	0.02		
12	4/12/1996		0.6	0.14	0.19	0.15	0.08		0.115	0.073		
13	11/18/1996		0.679	0.17	1.32	0.198	0.113		0.1555			
14	5/28/1997											
15	12/9/1997		0.31	0.267	1.39	1.81	0.565		1.1875	0.505		
16	5/20/1998		0.624	0.586	**4.23**	0.431	0.801		0.616	0.203		
17	11/23/1998		0.725	**7.08**	0.499	**4.76**	1.27		3.015	0.132		
18	5/3/1999		0.085	0.051	0.197	0.022	0.073		0.0475	0.012		
19	11/11/1999		0.663	0.383	2	0.232	1.12		0.676	0.005		
20	3/4/2000		0.323	0.216	0.138	0.214	0.079		0.1465	0.029		
21	6/11/2000		0.229	0.144	0.101	0.031	0.018		0.0245	0.014		
22	10/20/2000		0.03	0.554	0.296	0.24	**2.6**		1.42	0.014		
23	10/30/2001		0.081	0.099	0.045			0.027	0.027	0.034		
24	5/22/2002		0.17	0.019				0.013	0.013	0.025		
25	2/16/2003	0.071		0.18	0.24			0.04	0.04	0.005		
26	6/20/2003			0.0005	0.0005							
27	12/5/2003	0.086		0.099	0.023			0.032	0.032	0.012		
28	5/8/2004	0.086		0.026	0.039			0.024	0.024	0.006		
29	12/13/2004	0.2		0.23	0.12			0.17	0.17	0.023		
30	3/26/2005	0.063		0.066	0.055			0.093	0.093	0.008		
31	4/1/2005			0.343				0.183	0.183	0.0104		
32	5/10/2005			0.11				0.15	0.15	0.0032		
33												
34	Benchmark		0.1									
35												
36												
37												

	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1													
2													
3													
4												**Exceedance Factors**	
5	11	12	14	15	16	17	18	20				1	2
6	11	12	14	15	16	17	18	20		Average		1	2
7													
8			0.1	0.005	0.07		0.16			0.065			0.6
9			0.11	0.04	0.03		0.66			0.147			3.4
10			0.11	0.07	0.005		0.23			0.133			0.5
11			0.64	0.15	0.03		0.07			0.164			4.2
12			0.067	0.14	0.098		0.17			0.177			6
13			0.052							0.475			6.79
14													
15										0.732			3.1
16										1.252			6.24
17										2.290			7.25
18										0.079			0.85
19								0.005		0.622			6.63
20			0.17		0.191			0.005		0.152			3.23
21								0.005		0.086			2.29
22					0.09			0.005		0.344			0.3
23			0.193					0.018		0.071			0.81
24					0.144					0.074			1.7
25				0.06	0.071			0.005		0.084		0.71	
26			0.11					0.0005		0.028			
27			0.011		0.029			0.005		0.037		0.86	
28				0.19	0.15			0.018		0.067		0.86	
29			0.037		0.033			0.009		0.103		2	
30				0.058	0.026			0.019		0.049		0.63	
31								0.0383		0.144			
32										0.088			
33													
34											Ave	1.012	3.368125
35													
36													
37													

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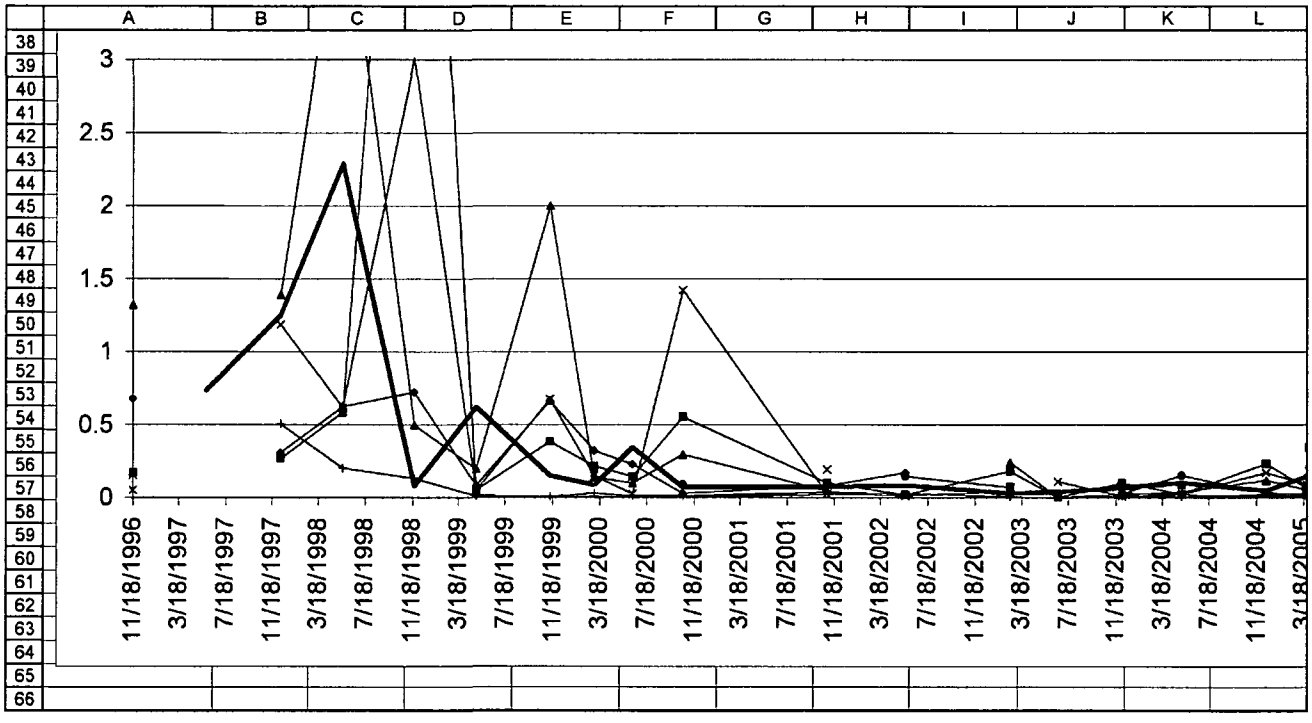
	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ
1											
2											
3											
4											
5	3	4	5	6	5/6		7	9	10	11	12
6	3	4	5	5	5	Ave 5	6	9	10	11	12
7											
8											
9	0.4	1.3	1.2	0.3		0.75	0.4		0.05		
10	5.5	0.8	0.05	1.6		0.825	0.2				
11	0.6	0.2	1.2	0.05		0.625	0.2				
12	1.4	1.9	1.5	0.8		1.15	0.73				
13	1.7	13.2	1.98	1.13		1.555					
14											
15	2.67	13.9	18.1	5.65		11.875	5.05				
16	5.86	42.3	4.31	8.01		6.16	2.03				
17	70.8	4.99	47.6	12.7		30.15	1.32				
18	0.51	1.97	0.22	0.73		0.475	0.12				
19	3.83	20	2.32	11.2		6.76	0.05				
20	2.16	1.38	2.14	0.79		1.465	0.29				
21	1.44	1.01	0.31	0.18		0.245	0.14				
22	5.54	2.96	2.4	26		14.2	0.14				
23	0.99	0.45			0.27	0.27	0.34				
24	0.19				0.13	0.13	0.25				
25	1.8	2.4			0.4	0.4	0.05				
26	0.005	0.005									
27	0.99	0.23			0.32	0.32	0.12				
28	0.26	0.39			0.24	0.24	0.06				
29	2.3	1.2			1.7	1.7	0.23				
30	0.66	0.55			0.93	0.93	0.08				
31	3.43				1.83	1.83	0.104				
32	1.1				1.5	1.5	0.032				
33											
34	4.962391304	5.55675	6.41	5.318461538	0.813333333	3.797954545	0.568380952		0.05		
35											
36											
37											

	AK	AL	AM	AN	AO	AP	AQ	AR
1								
2								
3								
4								
5	14	15	16	17	18	20		
6	14	15	16	17	18	20		Average
7								
8								0.600
9	1.1	0.4	0.3		6.6			1.470
10	1.1	0.7	0.05		2.3			1.331
11	6.4	1.5	0.3		0.7			1.636
12	0.67	1.4	0.98		1.7			1.770
13	0.52							4.753
14								
15								7.319
16								12.518
17								22.902
18								0.785
19						0.05		6.220
20	1.7		1.91			0.05		1.523
21						0.05		0.863
22			0.9			0.05		3.441
23	1.93					0.18		0.710
24			1.44					0.742
25		0.6	0.71			0.05		0.840
26	1.1					0.005		0.279
27	0.11		0.29			0.05		0.371
28		1.9	1.5			0.18		0.674
29	0.37		0.33			0.09		1.028
30		0.58	0.26			0.19		0.485
31						0.383		1.437
32								0.877
33								
34	1.5	1.011428571	0.7475		2.825	0.110666667		3.107
35								
36								
37								



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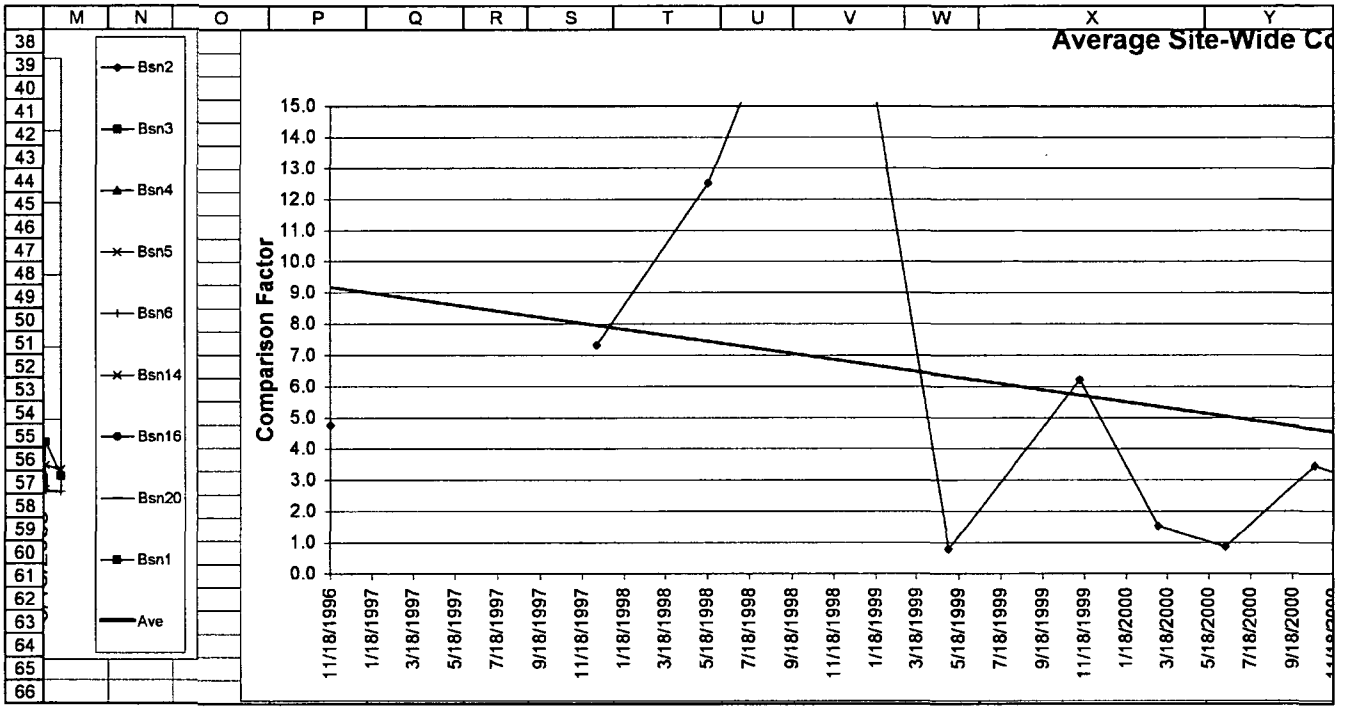
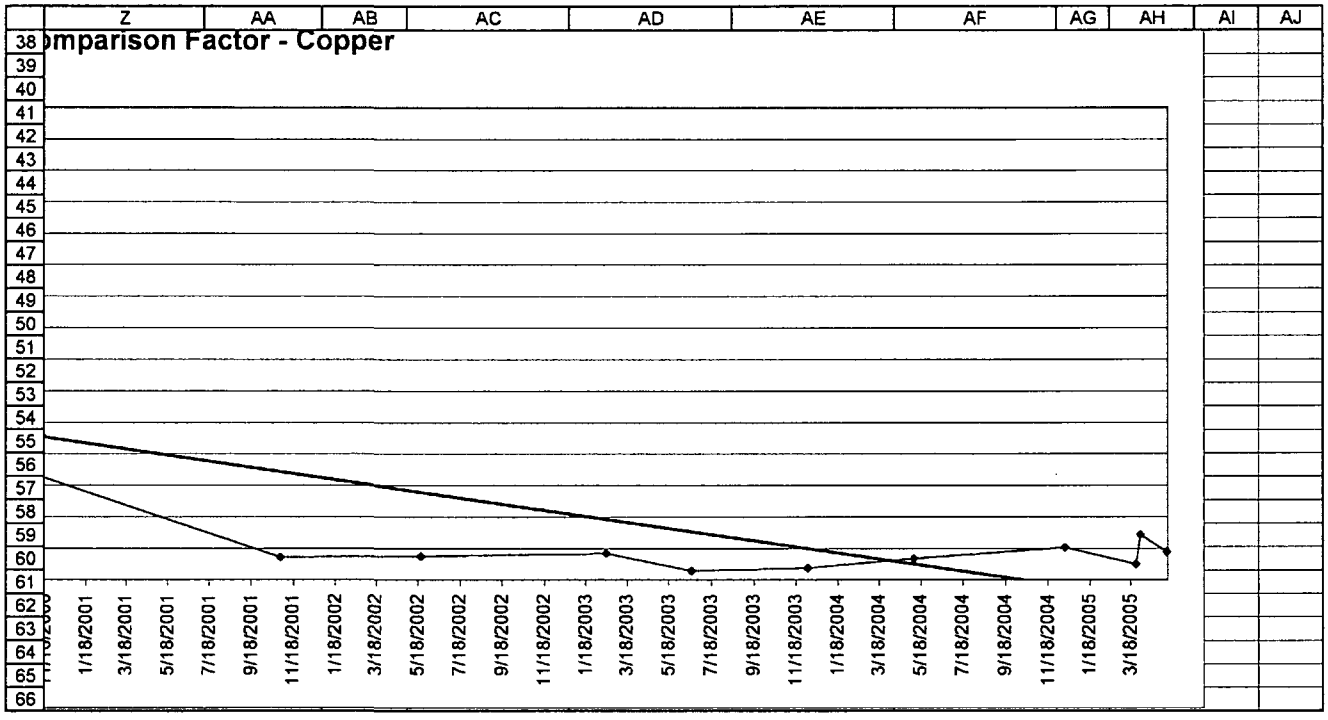


SCHN00376821



SCHN00376822

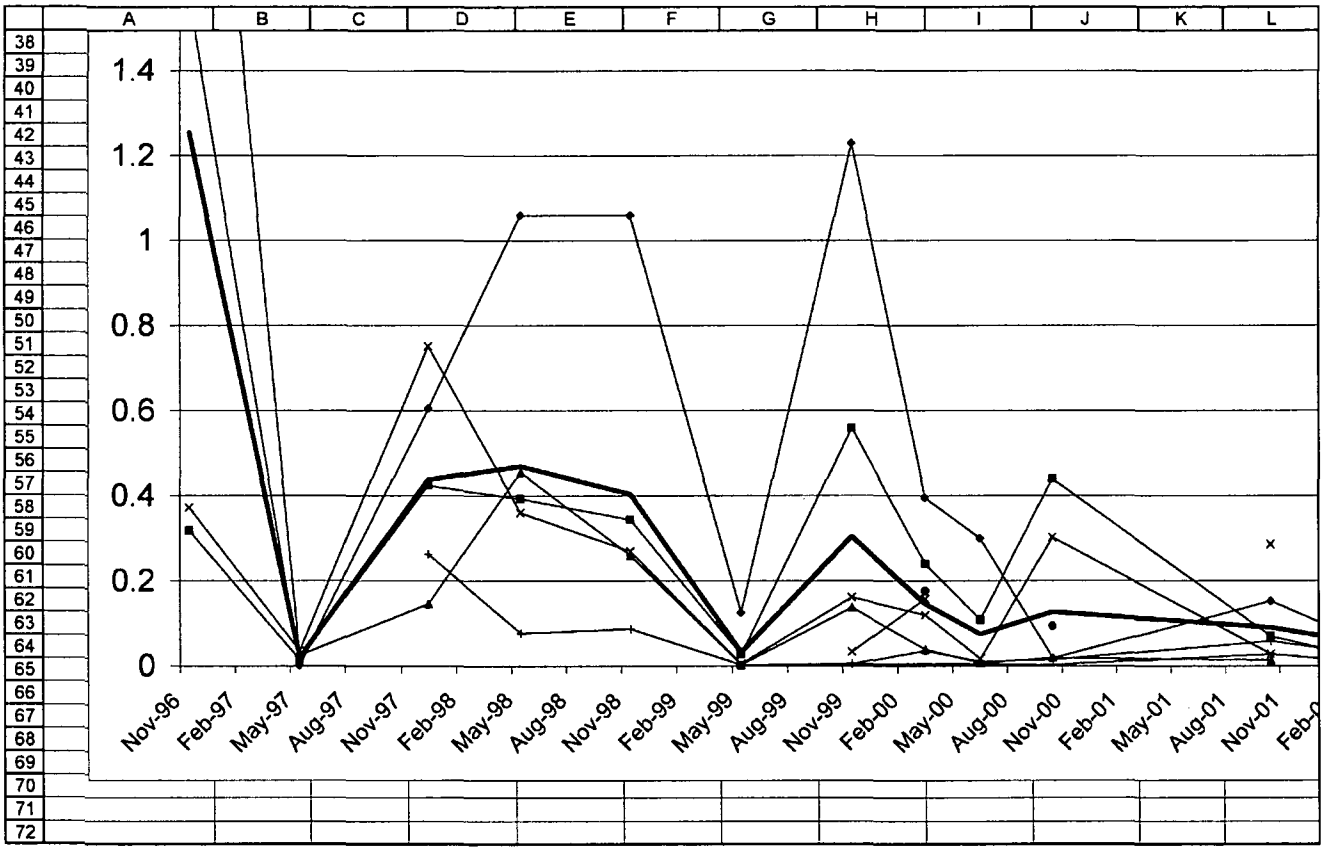
	A	B	C	D	E	F	G	H	I	J	K	L
1	**Lead**											
2												
3												
4	**Concentration**											
5	Old Basin	1	2	3	4	5	6	5/6		7	9	10
6	New Basin	1	2	3	4	5	5	5	Ave 5	6	9	10
7												
8	12/14/1993		0.11	0.42	0.06	0.14	0.06		0.1	0.01	0.68	
9	12/14/1994		0.74	0.025	0.033	0.3	0.031		0.1655	0.017		0.005
10	2/17/1995		0.08	1.1	0.18	0.005	0.33		0.1675	0.064		
11	11/27/1995		0.78	0.05	0.05	0.22	0.02		0.12	0.05		
12	4/12/1996		1.2	0.26	0.32	0.35	0.11		0.23	0.14		
13	11/18/1996		1.57	0.318	2.76	0.461	0.285		0.373			
14	5/28/1997		0.002	0.015	0.025		0.036		0.036			
15	12/9/1997		0.606	0.424	0.146	1.39	0.115		0.7525	0.263		
16	5/20/1998		1.06	0.394	0.456	0.562	0.16		0.361	0.078		
17	11/23/1998		1.06	0.344	0.26	0.284	0.256		0.27	0.088		
18	5/3/1999		0.126	0.027	0.003	0.008	0.004		0.006	0.003		
19	11/11/1999		1.23	0.56	0.138	0.24	0.083		0.1615	0.006		
20	3/4/2000		0.396	0.24	0.039	0.228	0.012		0.12	0.036		
21	6/11/2000		0.301	0.109	0.008	0.032	0.003		0.0175	0.011		
22	10/20/2000		0.019	0.441	0.02	0.375	0.23		0.3025	0.015		
23	10/30/2001		0.153	0.07	0.014			0.028	0.028	0.059		
24	5/22/2002		0.024	0.001				0.001	0.001	0.016		
25	2/16/2003	0.096		0.206	0.0068			0.0256	0.0256	0.002		
26	6/20/2003			0.0005	0.0005							
27	12/5/2003	0.095		0.048	0.0033			0.0229	0.0229	0.0142		
28	5/8/2004	0.16		0.064	0.005			0.036	0.036	0.037		
29	12/13/2004	0.691		0.398	0.21			0.401	0.401	0.04		
30	3/26/2005	0.114		0.119	0.084			0.217	0.217	0.019		
31	4/1/2005			0.791				0.42	0.42	0.022		
32	5/10/2005			0.36				0.199	0.199	0.0043		
33												
34	Benchmark		0.4									
35												
36												
37												

	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1														
2														
3														
4												**Exceedance**		
5	11	12	14	15	16	17	18	20				1	2	3
6	11	12	14	15	16	17	18	20		Average		1	2	3
7														
8			0.26	0.02	0.08		0.31			0.205			0.275	1.050
9			0.19	0.007	0.022		0.55			0.175			1.850	0.063
10			0.21	0.09	0.017		0.07			0.220			0.200	2.750
11			1.2	0.33	0.05		0.11			0.304			1.950	0.125
12			0.11	0.34	0.24		0.23			0.341			3.000	0.650
13										1.255			3.925	0.795
14										0.020			0.005	0.038
15										0.438			1.515	1.060
16										0.470			2.650	0.985
17										0.404			2.650	0.860
18										0.033			0.315	0.068
19			0.034					0.006		0.305			3.075	1.400
20			0.158		0.177			0.006		0.147			0.990	0.600
21								0.006		0.075			0.753	0.273
22					0.094			0.003		0.128			0.048	1.103
23			0.286					0.028		0.091			0.383	0.175
24					0.164					0.041			0.060	0.003
25				0.067	0.114			0.0046		0.065		0.240		0.515
26			0.05					0.0005		0.013				0.001
27			0.0246		0.0415			0.002		0.031		0.238		0.120
28				0.354	0.183			0.025		0.108		0.400		0.160
29			0.066		0.019			0.0025		0.228		1.728		0.995
30				0.086	0.054			0.027		0.090		0.285		0.298
31								0.0555		0.322				1.978
32										0.188				0.900
33														
34											Ave	0.578	1.391	0.678
35														
36														
37														

SCHN00376824

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1															
2															
3															
4															
5	4	5	6	5/6		7	9	10	11	12	14	15	16	17	18
6	4	5	5	5	Ave 5	6	9	10	11	12	14	15	16	17	18
7															
8	0.150	0.350	0.150		0.250	0.025	1.700				0.650	0.050	0.200		0.775
9	0.083	0.750	0.078		0.414	0.043		0.013			0.475	0.018	0.055		1.375
10	0.450	0.013	0.825		0.419	0.160					0.525	0.225	0.043		0.175
11	0.125	0.550	0.050		0.300	0.125					3.000	0.825	0.125		0.275
12	0.800	0.875	0.275		0.575	0.350					0.275	0.850	0.600		0.575
13	6.900	1.153	0.713		0.933										
14	0.063		0.090		0.090										
15	0.365	3.475	0.288		1.881	0.658									
16	1.140	1.405	0.400		0.903	0.195									
17	0.650	0.710	0.640		0.675	0.220									
18	0.008	0.020	0.010		0.015	0.008									
19	0.345	0.600	0.208		0.404	0.015					0.085				
20	0.098	0.570	0.030		0.300	0.090					0.395		0.443		
21	0.020	0.080	0.008		0.044	0.028									
22	0.050	0.938	0.575		0.756	0.038							0.235		
23	0.035			0.070	0.070	0.148					0.715				
24				0.003	0.003	0.040							0.410		
25	0.017					0.005						0.168	0.285		
26	0.001										0.125				
27	0.008			0.057	0.057	0.036					0.062		0.104		
28	0.013			0.090	0.090	0.093						0.885	0.458		
29	0.525			1.003	1.003	0.100					0.165		0.048		
30	0.210			0.543	0.543	0.048						0.215	0.135		
31				1.050	1.050	0.055									
32				0.498	0.498	0.011									
33															
34	0.548	0.821	0.289	0.414	0.490	0.113	1.700	0.013			0.588	0.404	0.241		0.635
35															
36															
37															

	AP	AQ	AR
1			
2			
3			
4			
5	20		Average
6	20		Average
7			
8			0.513
9			0.439
10			0.550
11			0.761
12			0.853
13			3.138
14			0.049
15			1.096
16			1.175
17			1.011
18			0.083
19	0.015		0.763
20	0.015		0.366
21	0.015		0.189
22	0.008		0.319
23	0.070		0.228
24			0.103
25	0.012		0.177
26	0.001		0.032
27	0.005		0.079
28	0.063		0.270
29	0.006		0.571
30	0.068		0.225
31	0.139		0.805
32			0.469
33			
34	0.035		0.570
35			
36			
37			



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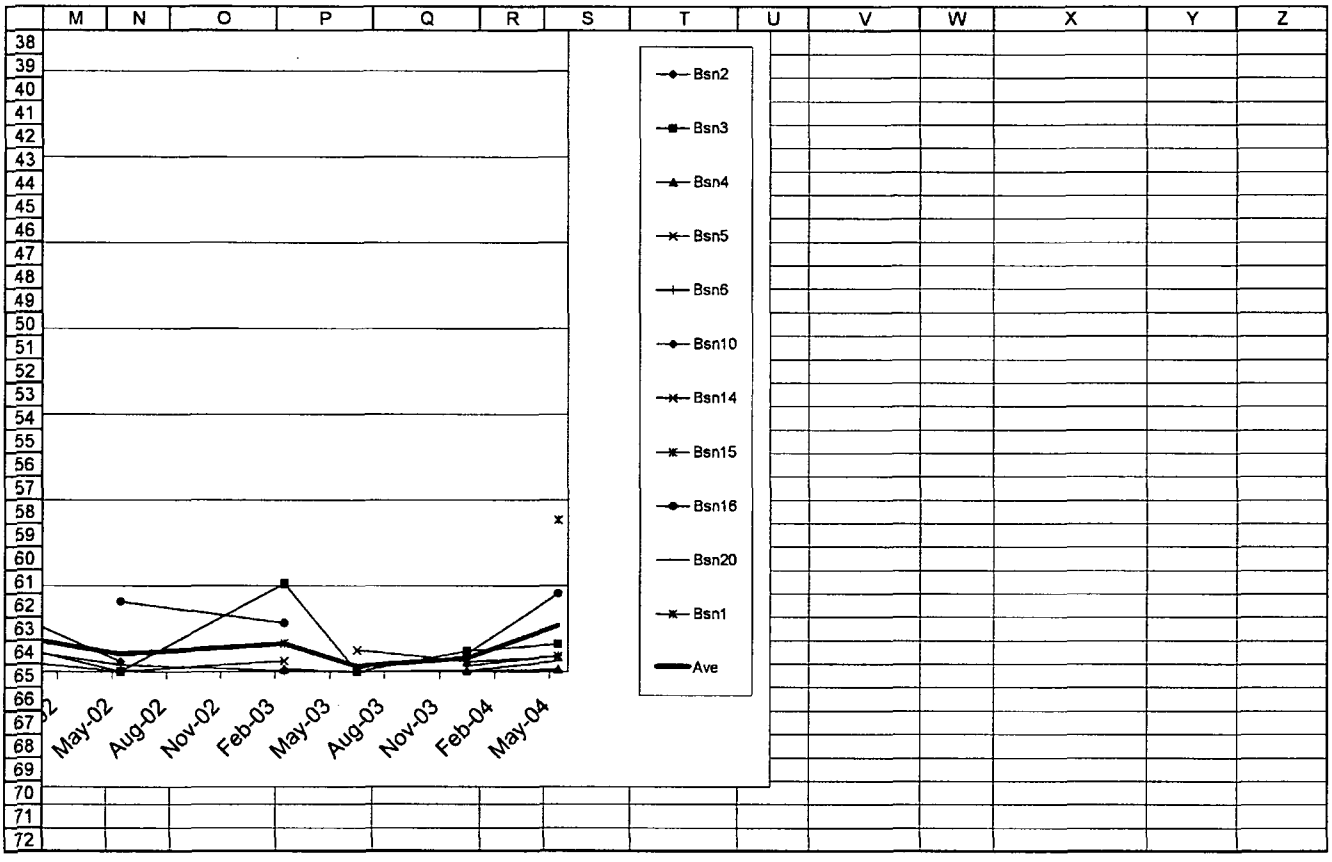

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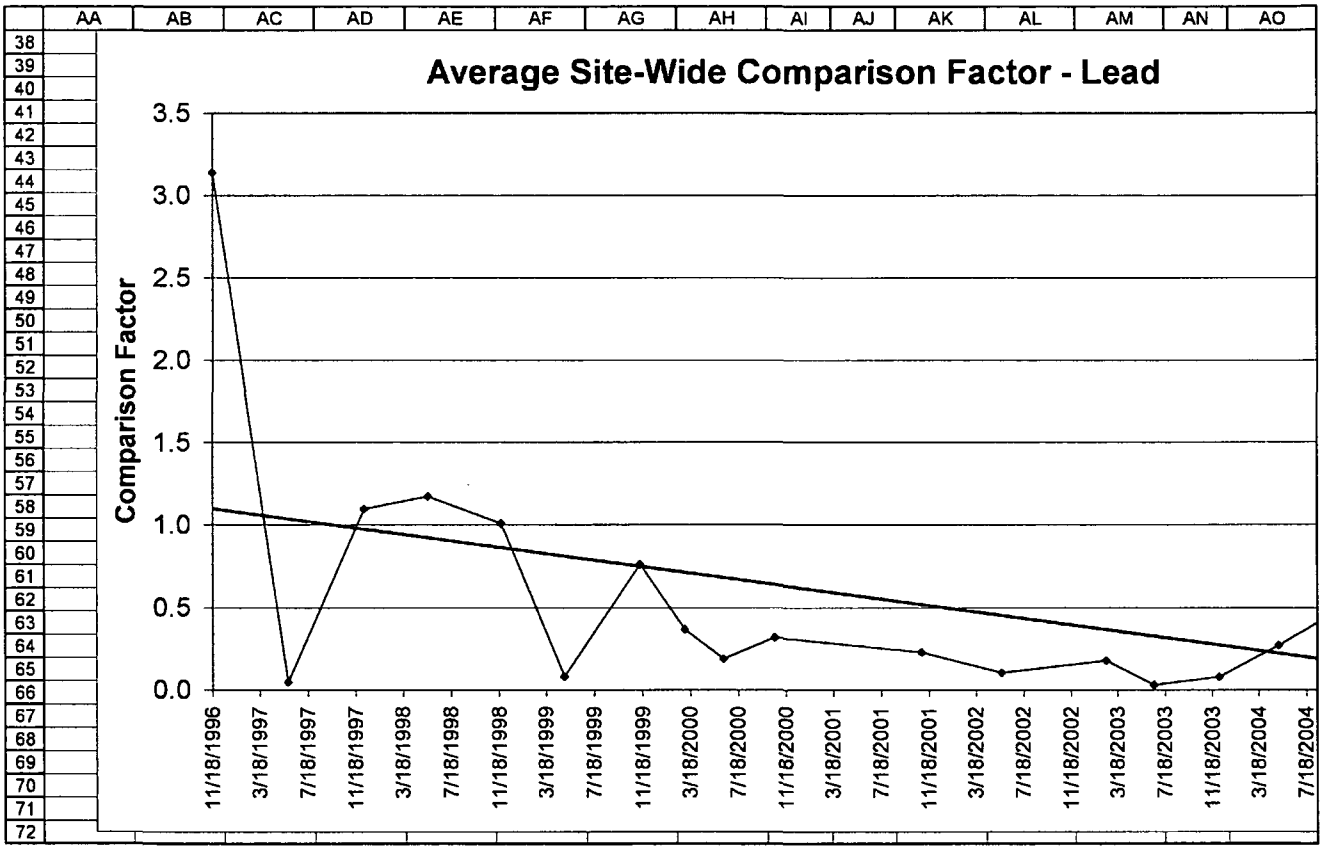

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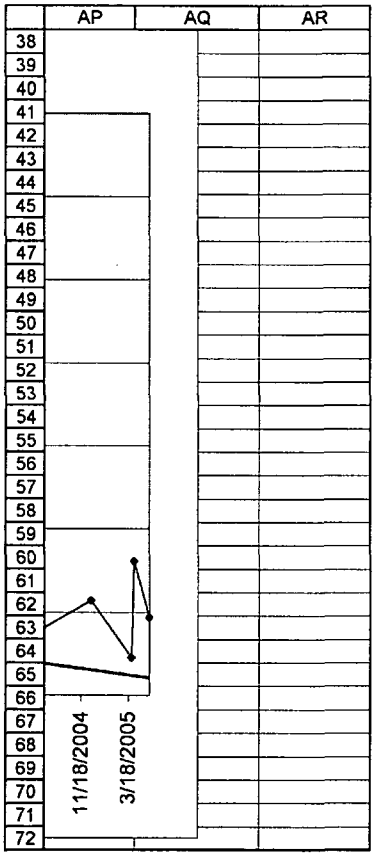

SCHN00376830

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	**Zinc**												
2													
3													
4	**Concentration**												
5	Old Basin	1	2	3	4	5	6	5/6		7	9	10	11
6	New Basin	1	2	3	4	5	5	5	Ave 5	6	9	10	11
7													
8	12/14/1993		0.7	2.3	0.16	0.49	0.11		0.3	0.005	0.81		
9	12/14/1994		5.9	0.16	0.13	0.74	0.06		0.4	0.05		0.05	
10	2/17/1995		0.64	6.7	0.43	0.03	1.2		0.615	0.09			
11	11/27/1995		5.3	0.24	0.18	0.54	0.05		0.295	0.15			
12	4/12/1996		8.7	1.9	1.8	0.74	0.29		0.515	0.3			
13	11/18/1996		10.4	1.45	7.87	1.27	0.72		0.995				
14	5/28/1997		0.03	0.08	0.1		0.11		0.11				
15	12/9/1997		4.47	3.21	0.56	3.93	0.28		2.105	0.63			
16	5/20/1998		5.72	2.51	2.1	1.61	0.56		1.085	0.29			
17	11/23/1998		7.67	0.806	0.973	0.49	0.757		0.6235	0.237			
18	5/3/1999		1.71	0.262	0.064	0.074	0.012		0.043	0.011			
19	11/11/1999		7.87	3.42	0.634	1.57	0.274		0.922	0.017			
20	3/4/2000		2.91	1.8	0.218	1.38	0.031		0.7055	0.085			
21	6/11/2000		1.82	0.485	0.039	0.197	0.005		0.101	0.038			
22	10/20/2000		0.287	2.3	0.088	1.51	0.688		1.099	0.048			
23	10/30/2001		1.04	0.252	0.04			0.082	0.082	0.231			
24	5/22/2002		0.268	0.076				0.015	0.015	0.106			
25	2/16/2003	0.46		1.56	0.0068			0.053	0.053	0.005			
26	6/20/2003			0.026	0.041								
27	12/5/2003	0.55		0.669	0.07			0.098	0.098	0.061			
28	5/8/2004	0.4		0.24	0.035			0.086	0.086	0.016			
29	12/13/2004	2.2		2.3	0.49			0.92	0.92	0.1			
30	3/26/2005	0.58		0.61	0.9			0.59	0.59	0.034			
31	4/1/2005			4.1				1.47	1.47	0.0594			
32	5/10/2005			1.7				0.6	0.6	0.0065			
33													
34	Benchmark		0.6										
35													
36													
37													

	N	O	P	Q	R	S	T	U	V	W	X	Y
1												
2												
3												
4											**Exceedance Factors**	
5	12	14	15	16	17	18	20				1	2
6	12	14	15	16	17	18	20		Average		1	2
7												
8		0.48	0.1	0.21		0.52			0.559			1.17
9		0.39	0.15	0.15		1.2			0.858			9.83
10		0.52	0.2	0.06		0.27			1.058			1.07
11		4.1	0.26	0.15		0.3			1.219			8.83
12		0.3		0.28		0.44			1.779			14.50
13									5.179			17.33
14									0.080			0.05
15									2.195			7.45
16									2.341			9.53
17									2.062			12.78
18									0.418			2.85
19		0.547					0.017		1.918			13.12
20		0.937		0.429			0.018		0.888			4.85
21				0.342			0.017		0.406			3.03
22							0.024		0.641			0.48
23		1.23					0.057		0.419			1.73
24				0.654					0.224			0.45
25			0.225	0.427			0.047		0.348		0.77	
26		0.96					0.025		0.263			
27		0.107		0.175			0.013		0.218		0.92	
28			0.66	0.36			0.1		0.237		0.67	
29		0.19		0.2			0.028		0.804		3.67	
30			0.17	0.29			0.29		0.433		0.97	
31							0.264		1.473			
32									0.769			
33												
34										Ave	1.396666667	6.415196078
35												
36												
37												

	Z	AA	AB	AC	AD	AE	AF	AG
1								
2								
3								
4								
5	3	4	5	6	5/6		7	9
6	3	4	5	5	5	Ave 5	6	9
7								
8	3.83	0.27	0.82	0.18		0.5	0.01	1.35
9	0.27	0.22	1.23	0.10		0.67	0.08	
10	11.17	0.72	0.05	2.00		1.03	0.15	
11	0.40	0.30	0.90	0.08		0.49	0.25	
12	3.17	3.00	1.23	0.48		0.86	0.50	
13	2.42	13.12	2.12	1.20		1.66		
14	0.13	0.17		0.18		0.18		
15	5.35	0.93	6.55	0.47		3.51	1.05	
16	4.18	3.50	2.68	0.93		1.81	0.48	
17	1.34	1.62	0.82	1.26		1.04	0.40	
18	0.44	0.11	0.12	0.02		0.07	0.02	
19	5.70	1.06	2.62	0.46		1.54	0.03	
20	3.00	0.36	2.30	0.05		1.18	0.14	
21	0.81	0.07	0.33	0.01		0.17	0.06	
22	3.83	0.15	2.52	1.15		1.83	0.08	
23	0.42	0.07			0.14	0.14	0.39	
24	0.13				0.03	0.03	0.18	
25	2.60	0.01			0.09	0.09	0.01	
26	0.04	0.07						
27	1.12	0.12			0.16	0.16	0.10	
28	0.40	0.06			0.14	0.14	0.03	
29	3.83	0.82			1.53	1.53	0.17	
30	1.02	1.50			0.98	0.98	0.06	
31	6.83				2.45	2.45	0.10	
32	2.83				1.00	1.00	0.01	
33								
34	2.6104	1.282484848	1.734642857	0.571888889	0.724814815	0.960277778	0.194689394	1.35
35								
36								
37								

	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
1											
2											
3											
4											
5	10	11	12	14	15	16	17	18	20		
6	10	11	12	14	15	16	17	18	20		Average
7											
8				0.80	0.17	0.35		0.87			0.93
9	0.08			0.65	0.25	0.25		2.00			1.43
10				0.87	0.33	0.10		0.45			1.76
11				6.83	0.43	0.25		0.50			2.03
12				0.50		0.47		0.73			2.97
13											8.63
14											0.13
15											3.66
16											3.90
17											3.44
18											0.70
19				0.91					0.03		3.20
20				1.56		0.72			0.03		1.48
21						0.57			0.03		0.68
22									0.04		1.07
23				2.05					0.10		0.70
24						1.09					0.37
25					0.38	0.71			0.08		0.58
26				1.60					0.04		0.44
27				0.18		0.29			0.02		0.36
28					1.10	0.60			0.17		0.40
29				0.32		0.33			0.05		1.34
30					0.28	0.48			0.48		0.72
31									0.44		2.46
32											1.28
33											
34	0.083333333			1.478939394	0.420238095	0.477820513		0.91	0.125		1.785904907
35											
36											
37											

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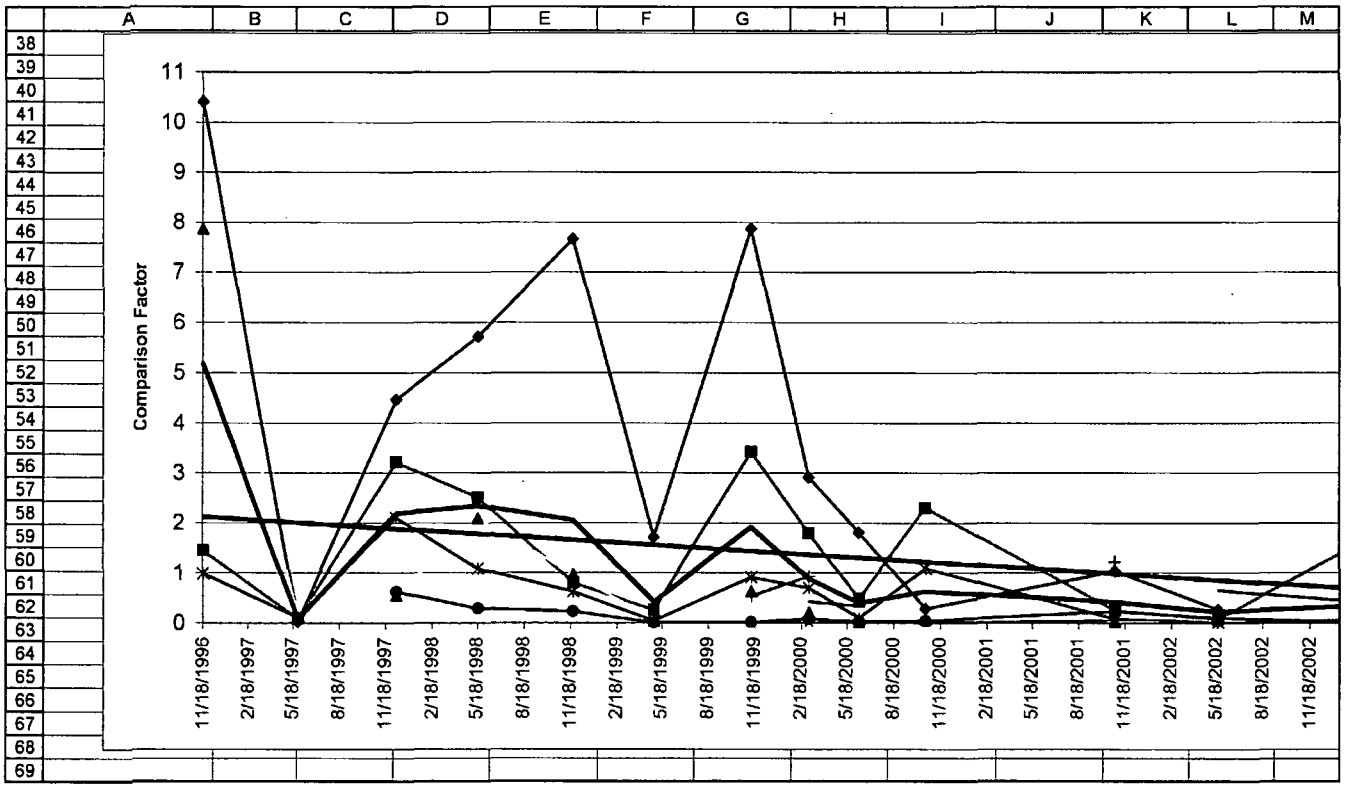
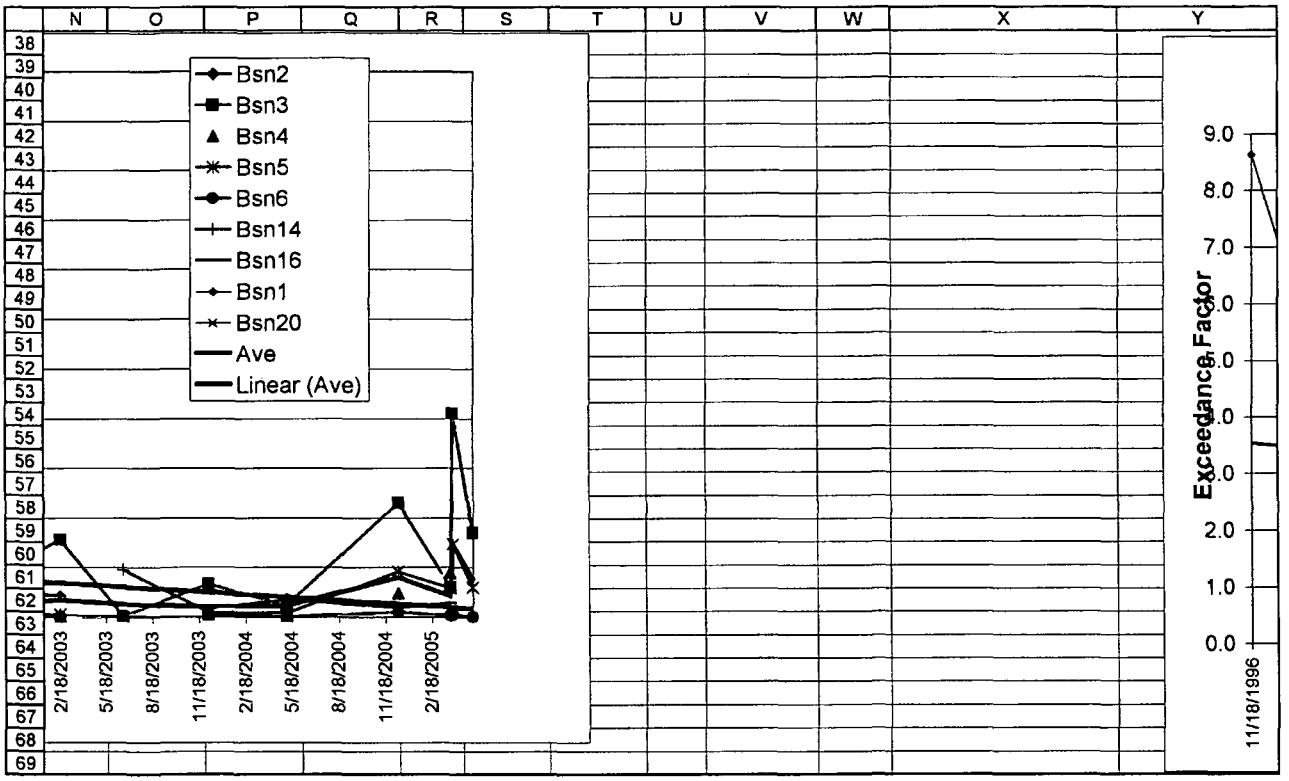


SCHN00376836



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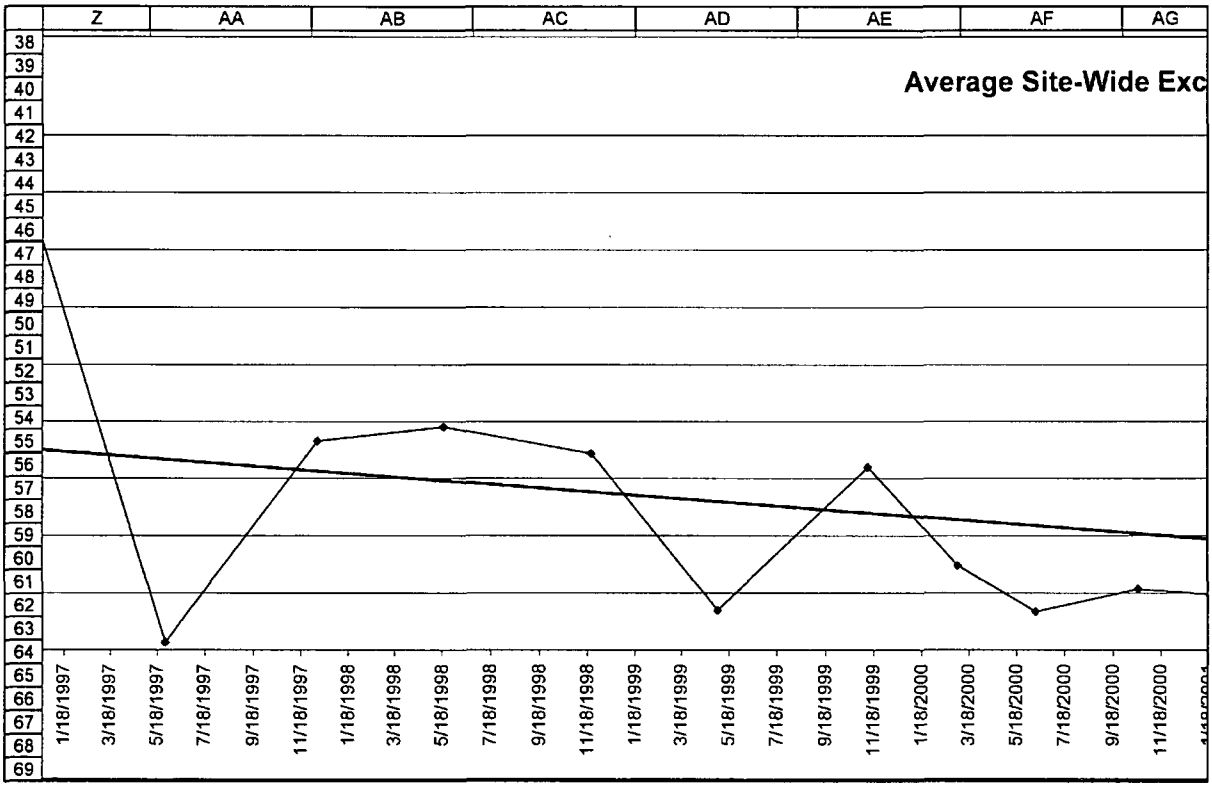

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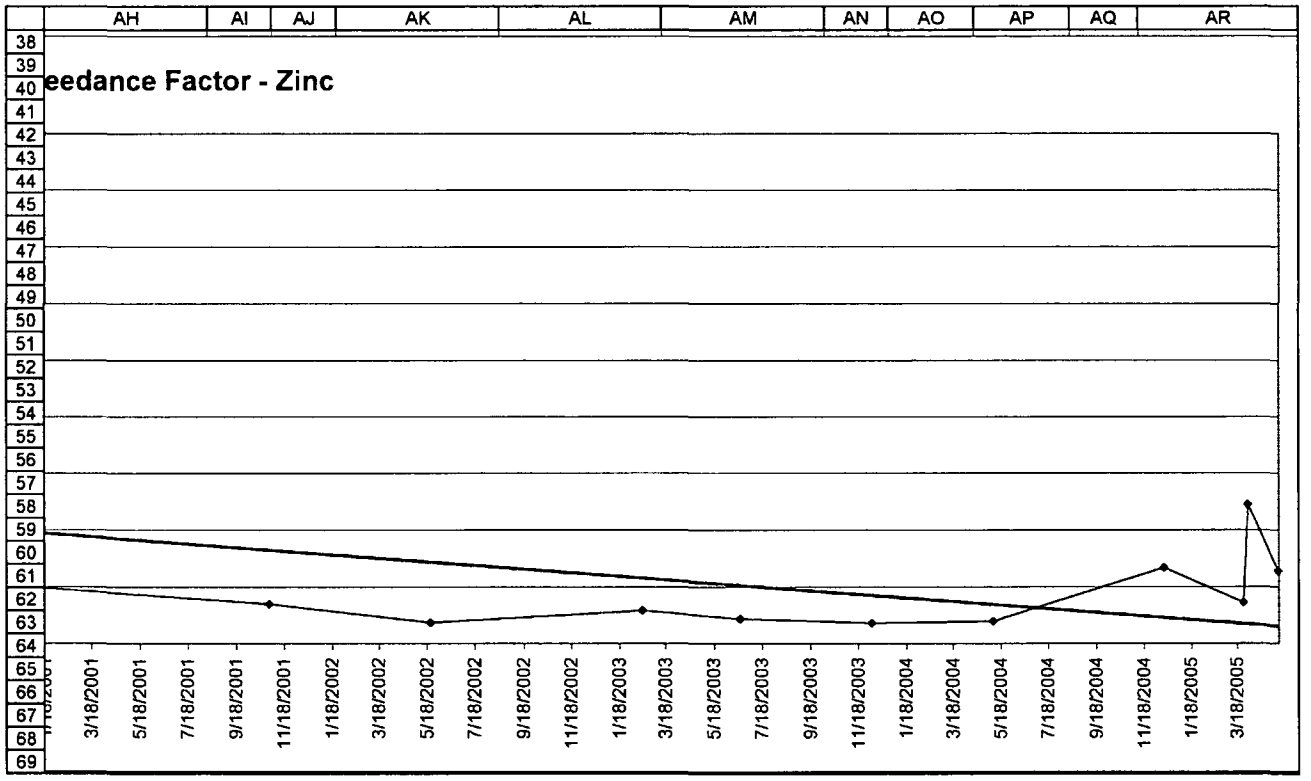

SCHN00376839

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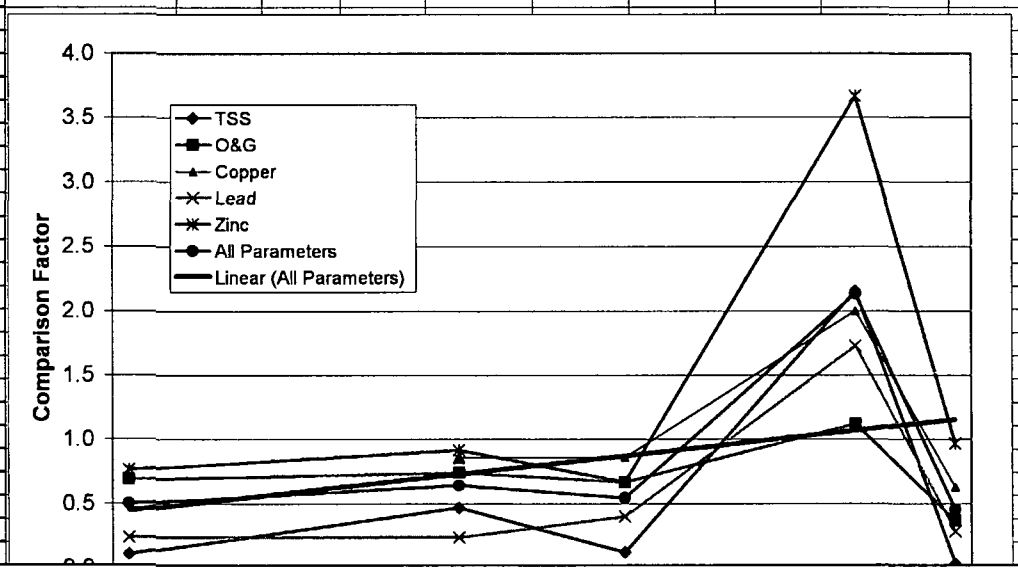
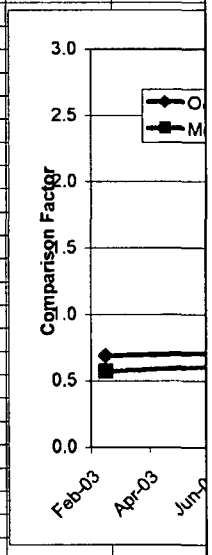
	A	B	C	D	E	F	G	H	I	J	K	L
1	**New Basin 1**											
2												
3	**Concentration**											
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel
5												
6	2/16/2003	7.23	14	6.9	0.071	0.096	0.46					
7	12/5/2003	7.48	61	7.4	0.086	0.095	0.55					
8	5/8/2004	7.01	16	6.7	0.086	0.16	0.4					
9	12/13/2004	7.29	280	11.2	0.2	0.691	2.2					
10	3/26/2005	7.02	4	3.7	0.063	0.114	0.58					
11												
12	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7
13												





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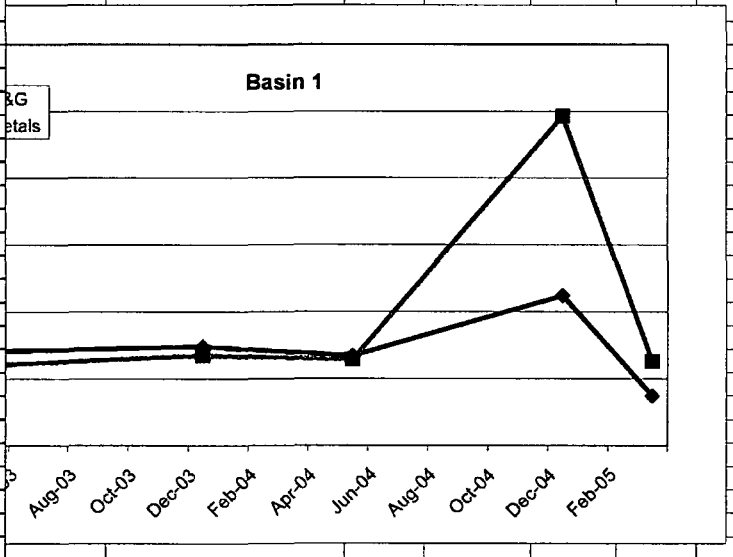
	M	N	O	P	Q	R	S	T
1								
2								
3		**Exceeedance Factors**						Metals
4		TSS	TPH	Copper	Lead	Zinc	Average	Ave
5								
6		0.11	0.69	0.71	0.24	0.77	0.50	0.57
7		0.47	0.74	0.86	0.24	0.92	0.64	0.67
8		0.12	0.67	0.86	0.40	0.67	0.54	0.64
9		2.15	1.12	2.00	1.73	3.67	2.13	2.46
10		0.03	0.37	0.63	0.29	0.97	0.46	0.63



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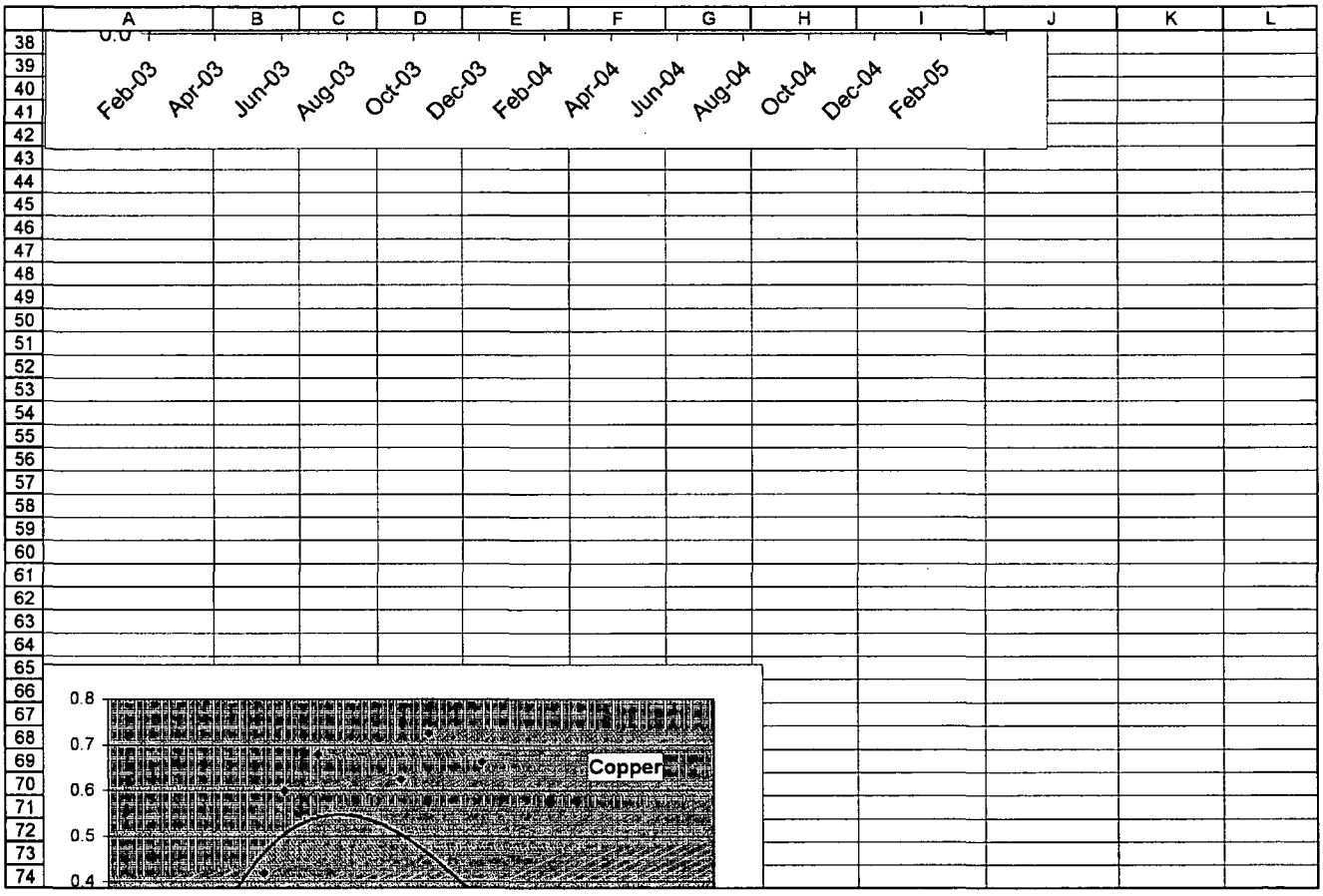

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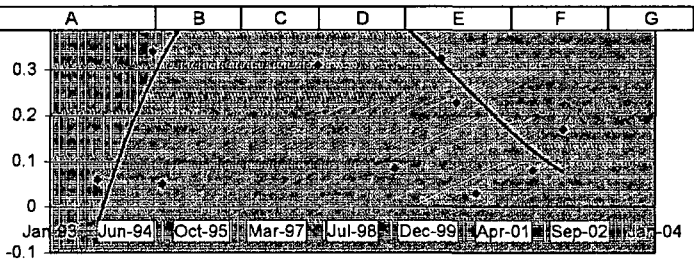

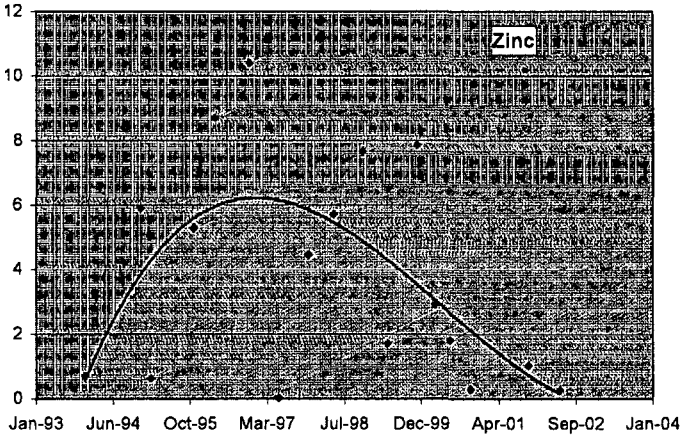

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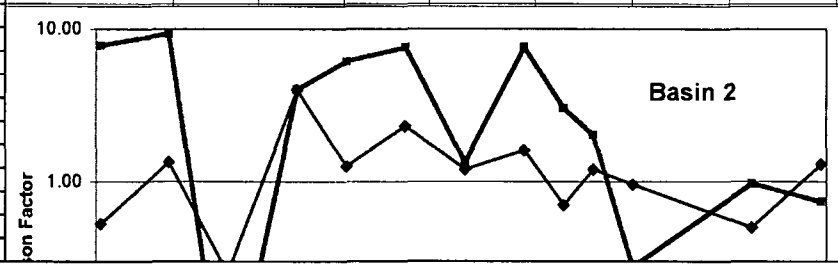
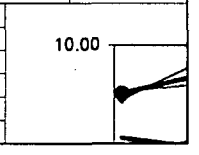
	A	B	C	D	E	F	G	H	I	J	K
1	**New Basin 2**										
2											
3	**Concentration**										
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	12/14/1993	8.3	32	4	0.06	0.11	0.7	0.0025	0.004	0.01	0.0001
7	12/14/1994	8.43	530	20	0.34	0.74	5.9	0.005	0.026	0.082	0.002
8	2/17/1995	7.32	32	2.5	0.05	0.08	0.64	0.005	0.004	0.009	0.0001
9	11/27/1995	7.6	420	11	0.42	0.78	5.3	0.005	0.007	0.18	0.0014
10	4/12/1996	7.9	720	5.3	0.6	1.2	8.7	0.13	0.024	0.14	0.0029
11	11/18/1996	8.17	1280	13.5	0.679	1.57	10.4	0.008	0.03	0.209	0.004
12	5/28/1997	7.66	6	2.5		0.002	0.03	2.5	0.002	0.0025	0.00025
13	12/9/1997	7.8	184	40	0.31	0.606	4.47	0.0025	0.016	0.041	0.0022
14	5/20/1998	7.64	208	12.6	0.624	1.06	5.72				
15	11/23/1998	7.56	280	23	0.725	1.06	7.67				
16	5/3/1999	7.21	23	12	0.085	0.126	1.71				
17	11/11/1999	7.61	200	16	0.663	1.23	7.87				
18	3/4/2000	7.79	160	7	0.323	0.396	2.91				
19	6/11/2000	7.64	54	12	0.229	0.301	1.82				
20	10/20/2000	7.31	13	9.6	0.03	0.019	0.287				
21	10/30/2001	7.04	14	5	0.081	0.153	1.04				
22	5/22/2002	7.22	13	13	0.17	0.024	0.268				
23											
24											
25											
26	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01





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	L	M	N	O	P	Q	R	S	T	U	V
1											
2											
3			**Exceeedance Factors**						Metals		
4	Nickel		TSS	TPH	Copper	Lead	Zinc	Average	Average		Arsenic
5											
6	0.005		0.25	0.40	0.60	0.28	1.17	0.54	0.68		0.000588235
7	0.08		4.08	2.00	3.40	1.85	9.83	4.23	5.03		0.001176471
8	0.005		0.25	0.25	0.50	0.20	1.07	0.45	0.59		0.001176471
9	0.05		3.23	1.10	4.20	1.95	8.83	3.86	4.99		0.001176471
10	0.13		5.54	0.53	6.00	3.00	14.50	5.91	7.83		0.030588235
11	0.141		9.85	1.35	6.79	3.93	17.33	7.85	9.35		0.001882353
12	0.01		0.05	0.25		0.01	0.05	0.09	0.03		0.588235294
13	0.048		1.42	4.00	3.10	1.52	7.45	3.50	4.02		0.000588235
14			1.60	1.26	6.24	2.65	9.53	4.26	6.14		
15			2.15	2.30	7.25	2.65	12.78	5.43	7.56		
16			0.18	1.20	0.85	0.32	2.85	1.08	1.34		
17			1.54	1.60	6.63	3.08	13.12	5.19	7.61		
18			1.23	0.70	3.23	0.99	4.85	2.20	3.02		
19			0.42	1.20	2.29	0.75	3.03	1.54	2.03		
20			0.10	0.96	0.30	0.05	0.48	0.38	0.28		
21			0.11	0.50	0.81	0.38	1.73	0.71	0.98		
22			0.10	1.30	1.70	0.06	0.45	0.72	0.74		
23											
24											
25											
26	7	Ave	1.89	1.23	3.37	1.39	6.42	2.82	3.66		
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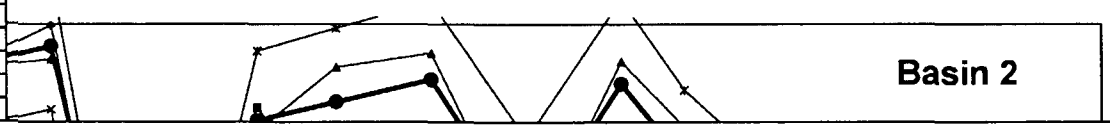

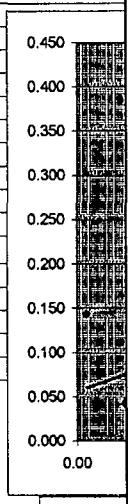

SCHN00376847

	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1											
2											
3											
4	Cadmium	Chromium	Mercury	Nickel	Average						
5											
6	0.2	0.001176471	0.01	0.000714286	0.042		16.0				
7	1.3	0.009647059	0.2	0.011428571	0.304		16.5				
8	0.2	0.001058824	0.01	0.000714286	0.043		13.8				
9	0.35	0.021176471	0.14	0.007142857	0.104		48.1				
10	1.2	0.016470588	0.29	0.018571429	0.311		25.2				
11	1.5	0.024588235	0.4	0.020142857	0.389		24.0				
12	0.1	0.000294118	0.025	0.001428571	0.143		0.2				
13	0.8	0.004823529	0.22	0.006857143	0.206		19.5				
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35	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00		
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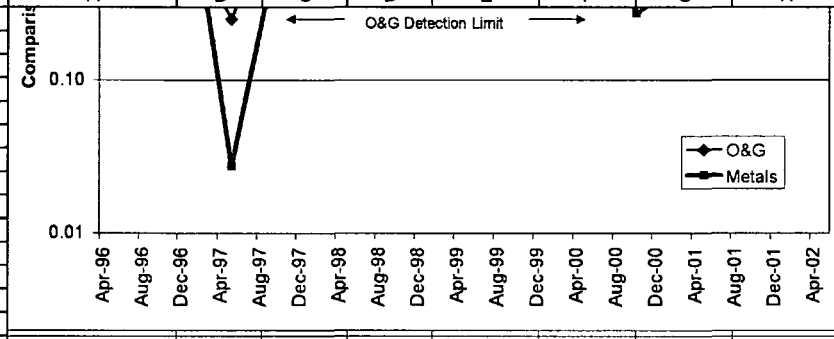

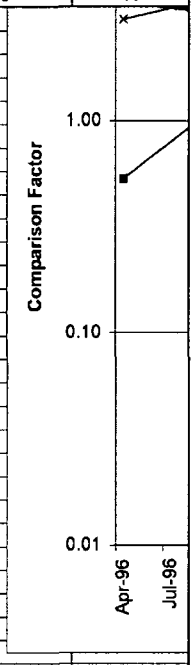

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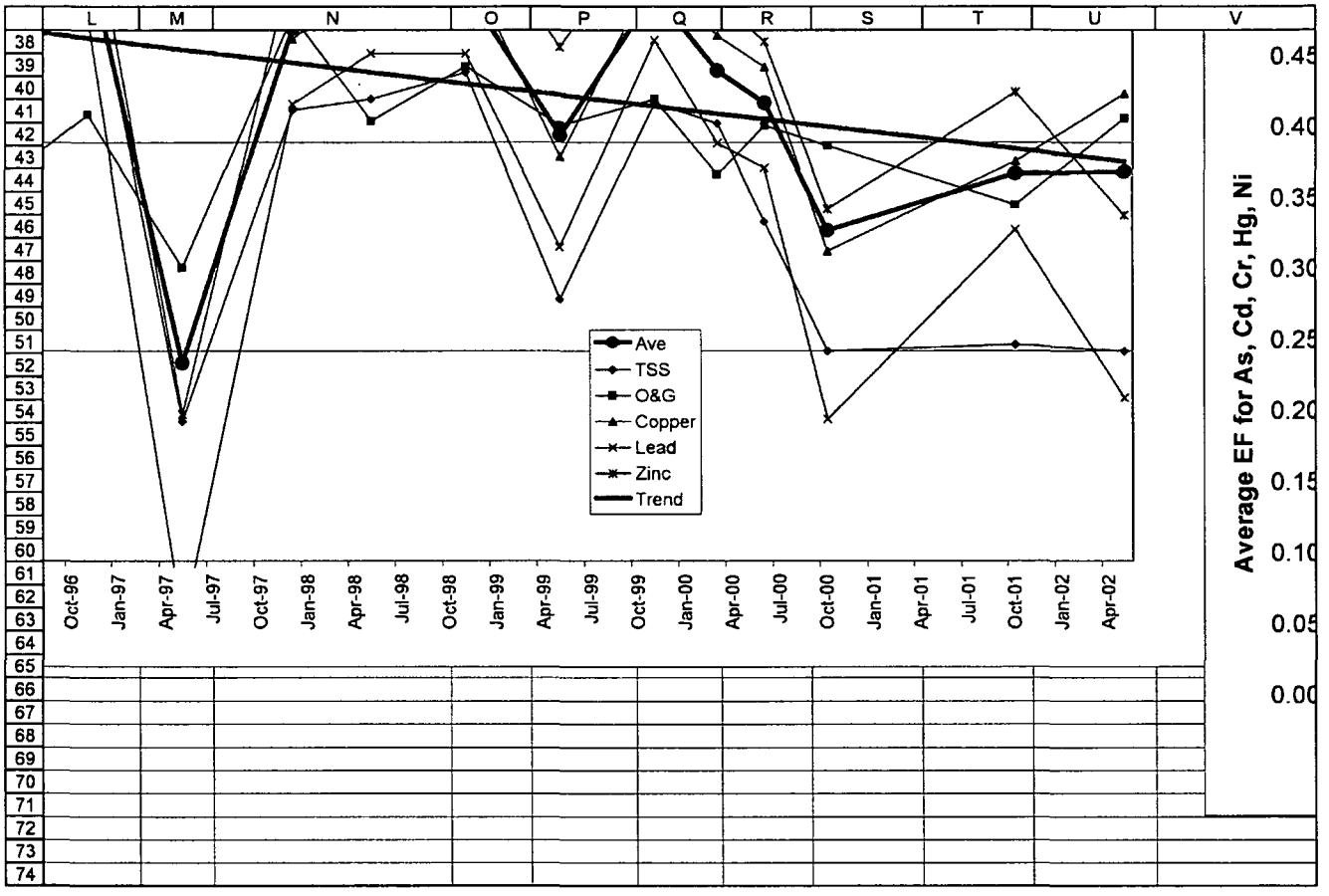

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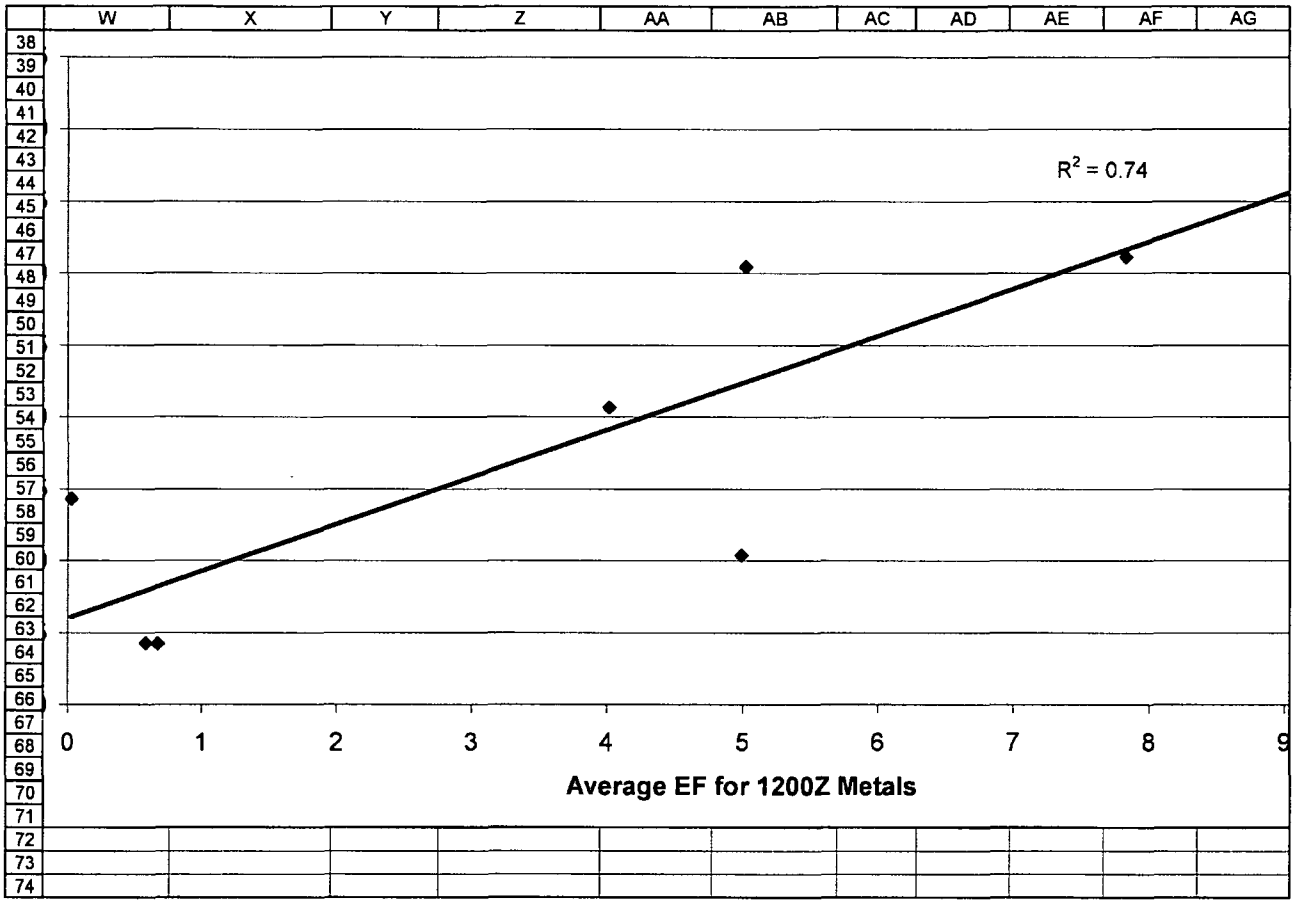

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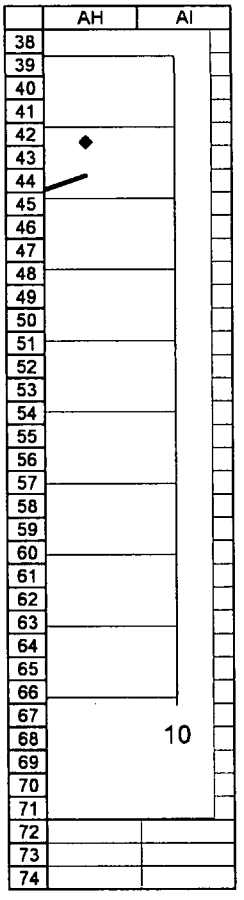

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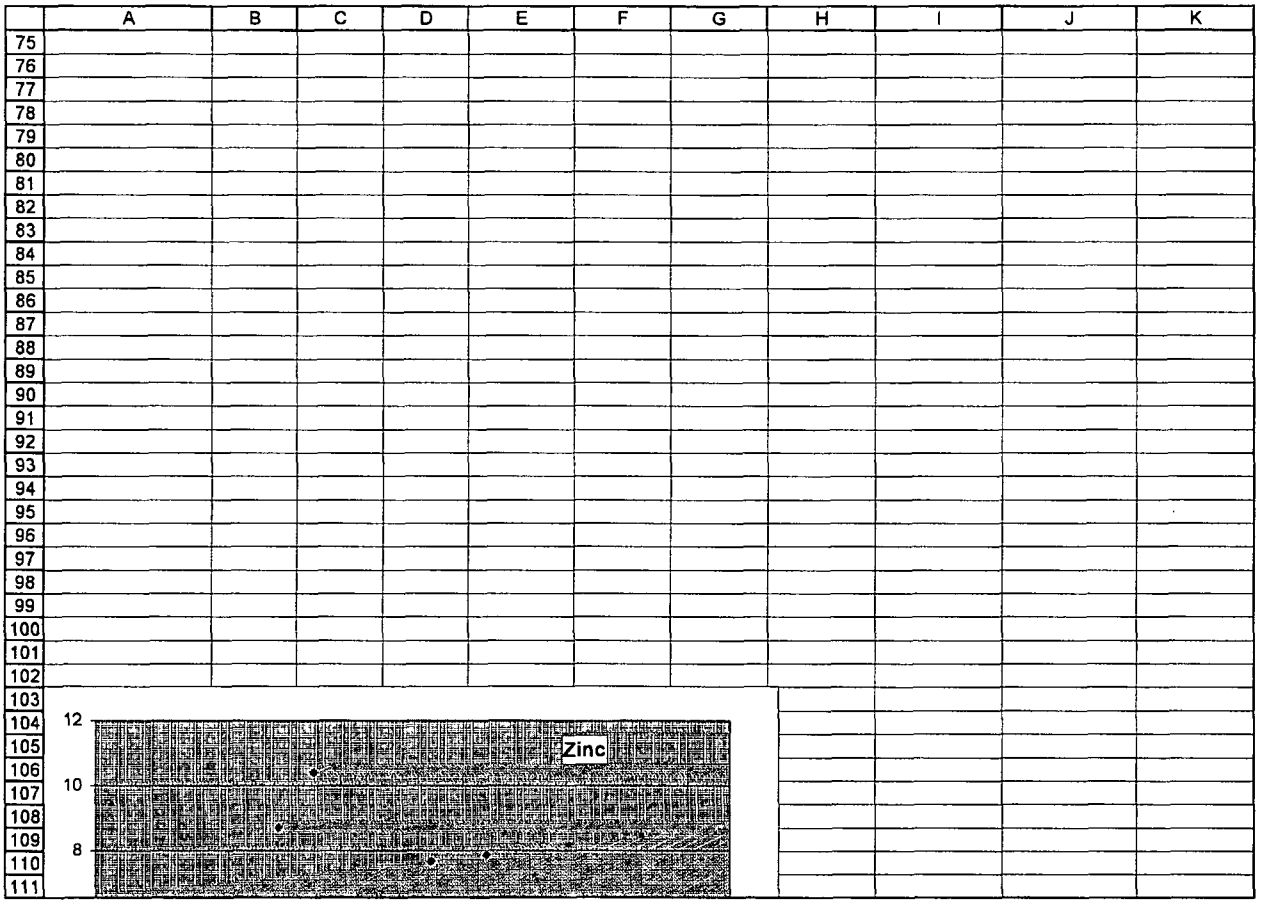

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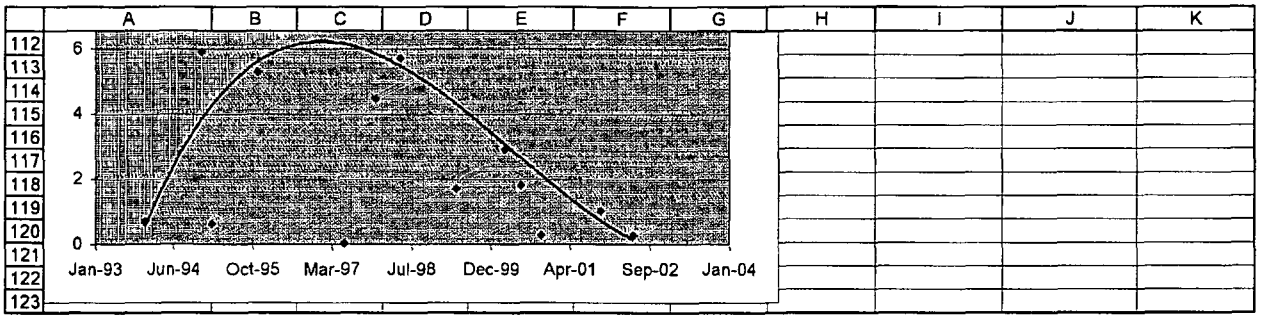

SCHN00376858

	A	B	C	D	E	F	G	H	I	J	K
1	**New Basin 3**										
2											
3	**Concentration**										
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	12/14/1993	8.03	160	2.5	0.025	0.42	2.3	0.005	0.01	0.053	0.0001
7	12/14/1994	7.52	8	6	0.04	0.025	0.16	0.005	0.001	0.004	0.0001
8	2/17/1995	8.15	340	19	0.55	1.1	6.7	0.013	0.031	0.15	0.0029
9	11/27/1995	7.5	27	1.5	0.06	0.05	0.24	0.005	0.001	0.01	0.0001
10	4/12/1996	8.4	250	3.5	0.14	0.26	1.9	0.002	0.0025	0.026	0.0001
11	11/18/1996	7.91	304	8.2	0.17	0.318	1.45	0.0025	0.004	0.058	0.0008
12	5/28/1997	7.77	13	2.5		0.015	0.08	0.0025	0.002	0.0025	0.00025
13	12/9/1997	7.63	96	12	0.267	0.424	3.21	0.0025	0.011	0.023	0.0012
14	5/20/1998	7.96	94	5.1	0.586	0.394	2.51				
15	11/23/1998	6.87	200	9	7.08	0.344	0.806				
16	5/3/1999	7.09	2.5	2.5	0.051	0.027	0.262				
17	11/11/1999	7.42	88	9	0.383	0.56	3.42				
18	3/4/2000	7.58	77	2.5	0.216	0.24	1.8				
19	6/11/2000	7.65	15	8.2	0.144	0.109	0.485				
20	10/20/2000	8.2	82	10	0.554	0.441	2.3				
21	10/30/2001	7.19	10	5	0.099	0.07	0.252				
22	5/22/2002	7.38	11	2.5	0.019	0.001	0.076				
23	2/16/2003	7.42	106	17	0.18	0.206	1.56				
24	6/20/2003	7.67	4	1	0.0005	0.0005	0.026				
25	12/5/2003	8.12	22	2.5	0.099	0.048	0.669				
26	5/8/2004	7.67	8	3.2	0.026	0.064	0.24				
27	12/13/2004	7.21	130	9.6	0.23	0.398	2.3				
28	3/26/2005	6.81	12	1	0.066	0.119	0.61				
29	4/1/2005	7.3	216	5.1	0.343	0.791	4.1				0.00189
30	5/10/2005	7.92	120	3.6	0.11	0.36	1.7				0.000068
31											
32	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01
33											
34											
35	10.00										
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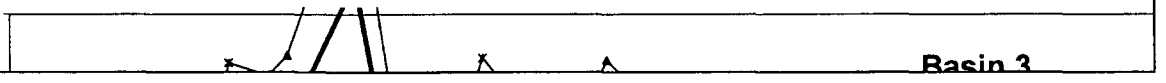
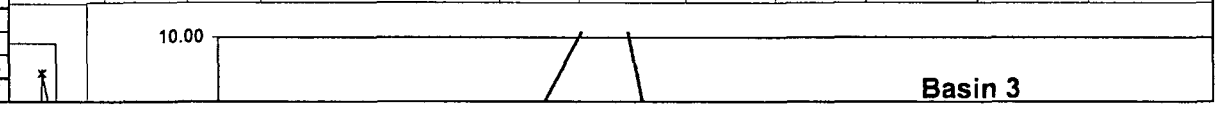
37											



SCHN00376859

	L	M	N	O	P	Q	R	S	T	U	V
1											
2											
3				**Exceeedance Factors**						Metals	
4	Nickel	COD		TSS	TPH	Copper	Lead	Zinc	Average	Average	
5											
6	0.05			1.23	0.25	0.25	1.05	3.83	1.32	1.71	
7	0.05			0.06	0.60	0.40	0.06	0.27	0.28	0.24	
8	0.11			2.62	1.90	5.50	2.75	11.17	4.79	6.47	
9	0.05			0.21	0.15	0.60	0.13	0.40	0.30	0.38	
10	0.027			1.92	0.35	1.40	0.65	3.17	1.50	1.74	
11	0.3			2.34	0.82	1.70	0.80	2.42	1.61	1.64	
12	0.01			0.10	0.25		0.04	0.13	0.13	0.09	
13	0.034			0.74	1.20	2.67	1.06	5.35	2.20	3.03	
14				0.72	0.51	5.86	0.99	4.18	2.45	3.68	
15				1.54	0.90	70.80	0.86	1.34	15.09	24.33	
16				0.02	0.25	0.51	0.07	0.44	0.26	0.34	
17				0.68	0.90	3.83	1.40	5.70	2.50	3.64	
18				0.59	0.25	2.16	0.60	3.00	1.32	1.92	
19				0.12	0.82	1.44	0.27	0.81	0.69	0.84	
20				0.63	1.00	5.54	1.10	3.83	2.42	3.49	
21				0.08	0.50	0.99	0.18	0.42	0.43	0.53	
22				0.08	0.25	0.19	0.003	0.13	0.13	0.11	
23				0.82	1.70	1.80	0.52	2.60	1.49	1.64	
24				0.03	0.10	0.01	0.001	0.04	0.04	0.02	
25				0.17	0.25	0.99	0.120	1.12	0.53	0.74	
26				0.06	0.32	0.26	0.160	0.40	0.24	0.27	
27				1.00	0.96	2.30	0.995	3.83	1.82	2.38	
28				0.09	0.10	0.66	0.298	1.02	0.43	0.66	
29		820		1.66	0.51	3.43	1.978	6.83	2.88	4.08	
30		6		0.92	0.36	1.10	0.900	2.83	1.22	1.61	
31											
32	7		Ave	0.74	0.61	4.77	0.68	2.61	1.84	2.62	
33											
34											
35											
36											
37											



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	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1										
2										
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4	Arsenic	Cadmium	Chromium	Mercury	Nickel	Average				
5										
6	0.001176471	0.5	0.006235294	0.01	0.007142857	0.105		16.3		
7	0.001176471	0.05	0.000470588	0.01	0.007142857	0.014		17.7		
8	0.003058824	1.55	0.017647059	0.29	0.015714286	0.375		17.2		
9	0.001176471	0.05	0.001176471	0.01	0.007142857	0.014		27.0		
10	0.000470588	0.125	0.003058824	0.01	0.003857143	0.028		61.1		
11	0.000588235	0.2	0.006823529	0.08	0.042857143	0.066		24.8		
12	0.000588235	0.1	0.000294118	0.025	0.001428571	0.025		3.4		
13	0.000588235	0.55	0.002705882	0.12	0.004857143	0.136		22.3		
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29				0.00189						
30				0.000068						
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36					0.400					
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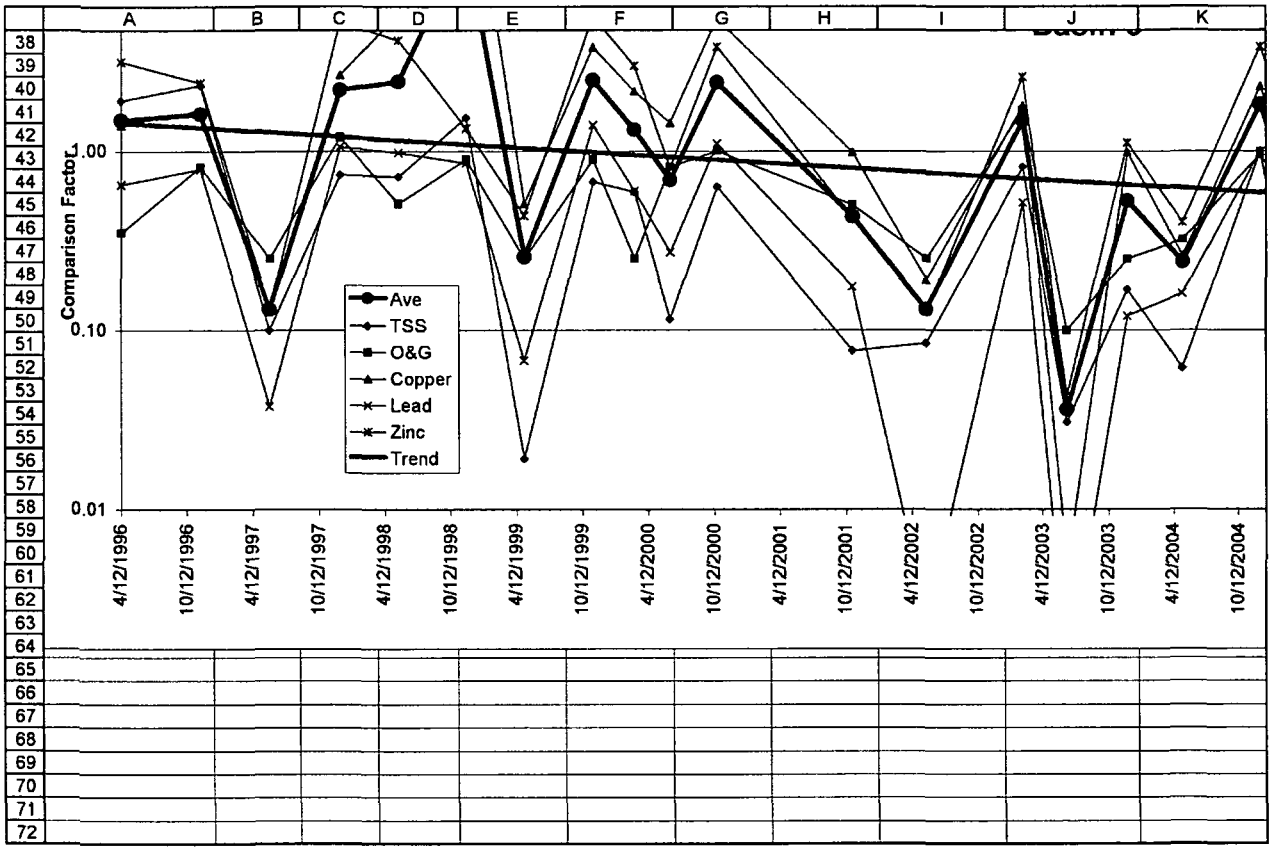

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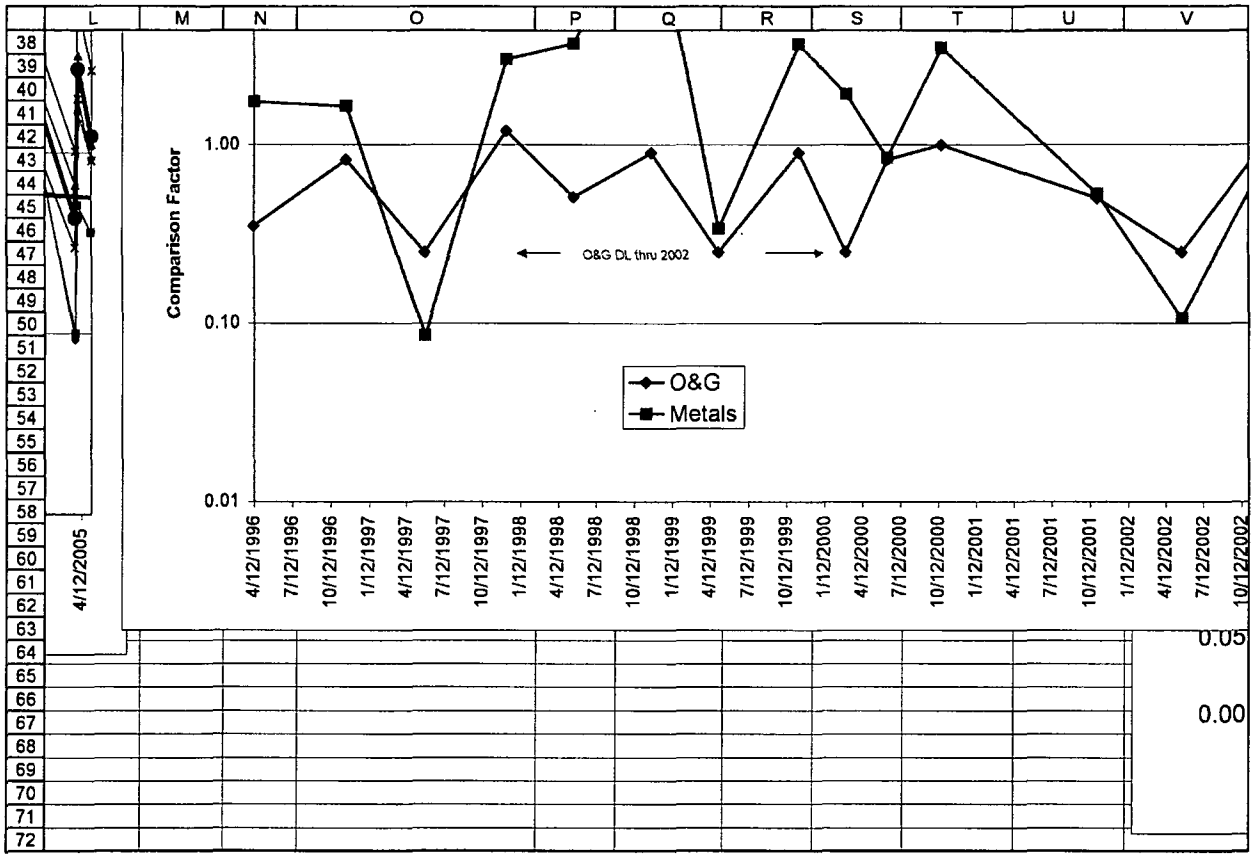

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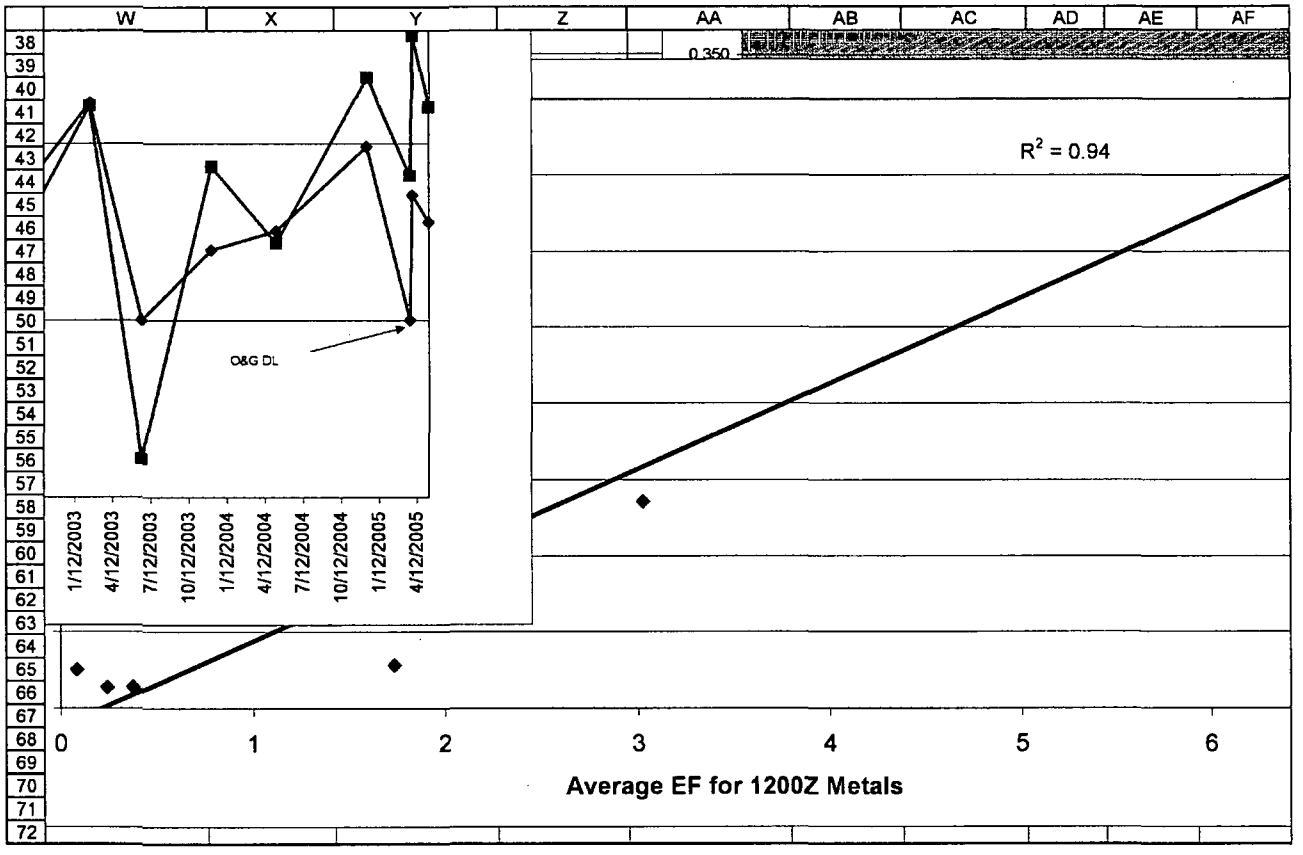

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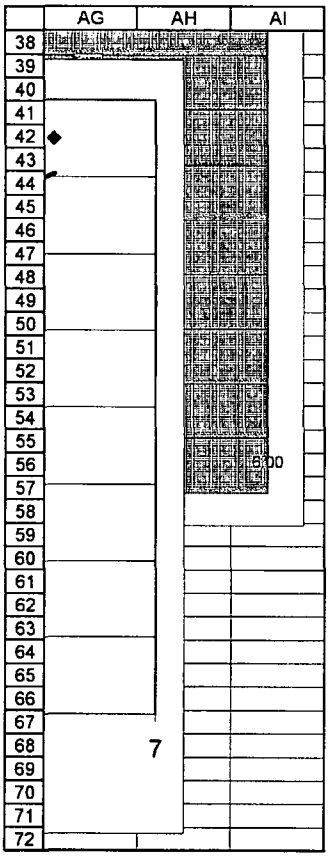

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	A	B	C	D	E	F	G	H	I	J	K
1	**New Basin 4**										
2											
3	**Concentration**										
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	12/14/1993	6.85	170	6	0.005	0.06	0.16	0.007	0.002	0.014	0.0001
7	12/14/1994	7.74	30	2.5	0.13	0.033	0.13	0.005	0.001	0.08	0.0001
8	2/17/1995	7.84	250	12	0.08	0.18	0.43	0.005	0.002	0.043	0.0001
9	11/27/1995	7	64	1.5	0.02	0.05	0.18	0.005	0.001	0.02	0.0001
10	4/12/1996	8.1	1200	1.9	0.19	0.32	1.8	0.006	0.025	0.19	0.0007
11	11/18/1996	8.39	1350	18	1.32	2.76	7.87	0.014	0.03	0.3	0.0011
12	5/28/1997	7.71	58	2.5		0.025	0.1	0.0025	0.002	0.0025	0.00025
13	12/9/1997	9.41	65	2.5	1.39	0.146	0.56	0.0025	0.002	0.024	0.00025
14	5/20/1998	7.74	360	5.7	4.23	0.456	2.1				
15	11/23/1998	9.75	1120	18	0.499	0.26	0.973				
16	5/3/1999	7.06	2.5	2.5	0.197	0.003	0.064				
17	11/11/1999	8.46	287	9	2	0.138	0.634				
18	3/4/2000	10.35	36	2.5	0.138	0.039	0.218				
19	6/11/2000	7.75	11	2.5	0.101	0.008	0.039				
20	10/20/2000	7.11	30	2.5	0.296	0.02	0.088				
21	10/30/2001	7.94	2.5	2.5	0.045	0.014	0.04				
22	2/16/2003	8.23	2.5	2.5	0.24	0.0068	0.04				
23	6/20/2003	7.85	48	7	0.0005	0.0005	0.041				
24	12/5/2003	7.45	2.5	2.5	0.023	0.0033	0.07				
25	5/8/2004	7.85	4	2.3	0.039	0.005	0.035				
26	12/13/2004	6.76	48	3.1	0.12	0.21	0.49				
27	3/26/2005	7.13	21	1	0.055	0.084	0.9				
28											
29	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01
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33	10.00										
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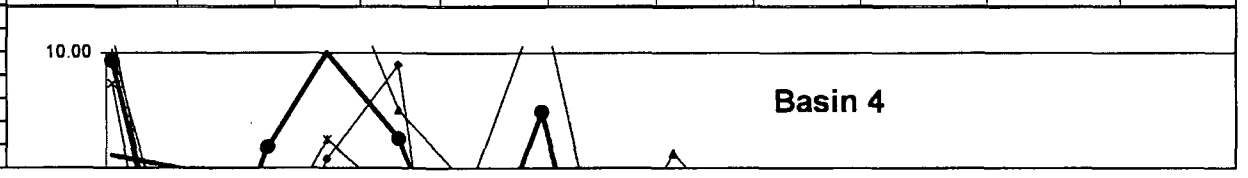

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	L	M	N	O	P	Q	R	S	T	U	V
1											
2											
3			**Exceeedance Factors**						Metals		
4	Nickel		TSS	TPH	Copper	Lead	Zinc	Average	Average		Arsenic
5											
6	0.005		1.31	0.60	0.05	0.15	0.27	0.47	0.16		0.001647059
7	0.005		0.23	0.25	1.30	0.08	0.22	0.42	0.53		0.001176471
8	0.02		1.92	1.20	0.80	0.45	0.72	1.02	0.66		0.001176471
9	0.05		0.49	0.15	0.20	0.13	0.30	0.25	0.21		0.001176471
10	0.044		9.23	0.19	1.90	0.80	3.00	3.02	1.90		0.001411765
11	0.227		10.38	1.80	13.20	6.90	13.12	9.08	11.07		0.003294118
12	0.01		0.45	0.25		0.06	0.17	0.23	0.11		0.000588235
13	0.01		0.50	0.25	13.90	0.37	0.93	3.19	5.07		0.000588235
14			2.77	0.57	42.30	1.14	3.50	10.06	15.65		
15			8.62	1.80	4.99	0.65	1.62	3.54	2.42		
16			0.02	0.25	1.97	0.01	0.11	0.47	0.69		
17			2.21	0.90	20.00	0.35	1.06	4.90	7.13		
18			0.28	0.25	1.38	0.10	0.36	0.47	0.61		
19			0.08	0.25	1.01	0.02	0.07	0.29	0.37		
20			0.23	0.25	2.96	0.05	0.15	0.73	1.05		
21			0.02	0.25	0.45	0.04	0.07	0.16	0.18		
22			0.02	0.25	2.40	0.02	0.07	0.55	0.83		
23			0.37	0.70	0.01	0.00	0.07	0.23	0.02		
24			0.02	0.25	0.23	0.01	0.12	0.12	0.12		
25			0.03	0.23	0.39	0.01	0.06	0.14	0.15		
26			0.37	0.31	1.20	0.53	0.82	0.64	0.85		
27			0.16	0.10	0.55	0.21	1.50	0.50	0.75		
28											
29	7	Ave	1.96	0.53	5.76	0.57	1.30	1.97	2.45		
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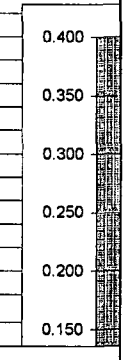

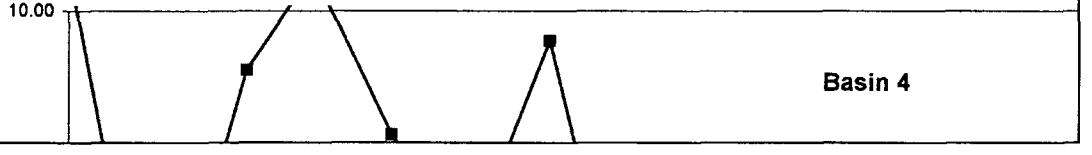

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	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1											
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3											
4	Cadmium	Chromium	Mercury	Nickel	Average						
5											
6	0.1	0.001647059	0.01	0.000714286	0.023		6.8				
7	0.05	0.009411765	0.01	0.000714286	0.014		37.4				
8	0.1	0.005058824	0.01	0.002857143	0.024		27.5				
9	0.05	0.002352941	0.01	0.007142857	0.014		14.7				
10	1.25	0.022352941	0.07	0.006285714	0.270		7.0				
11	1.5	0.035294118	0.11	0.032428571	0.336		32.9				
12	0.1	0.000294118	0.025	0.001428571	0.025		4.5				
13	0.1	0.002823529	0.025	0.001428571	0.026		195.1				
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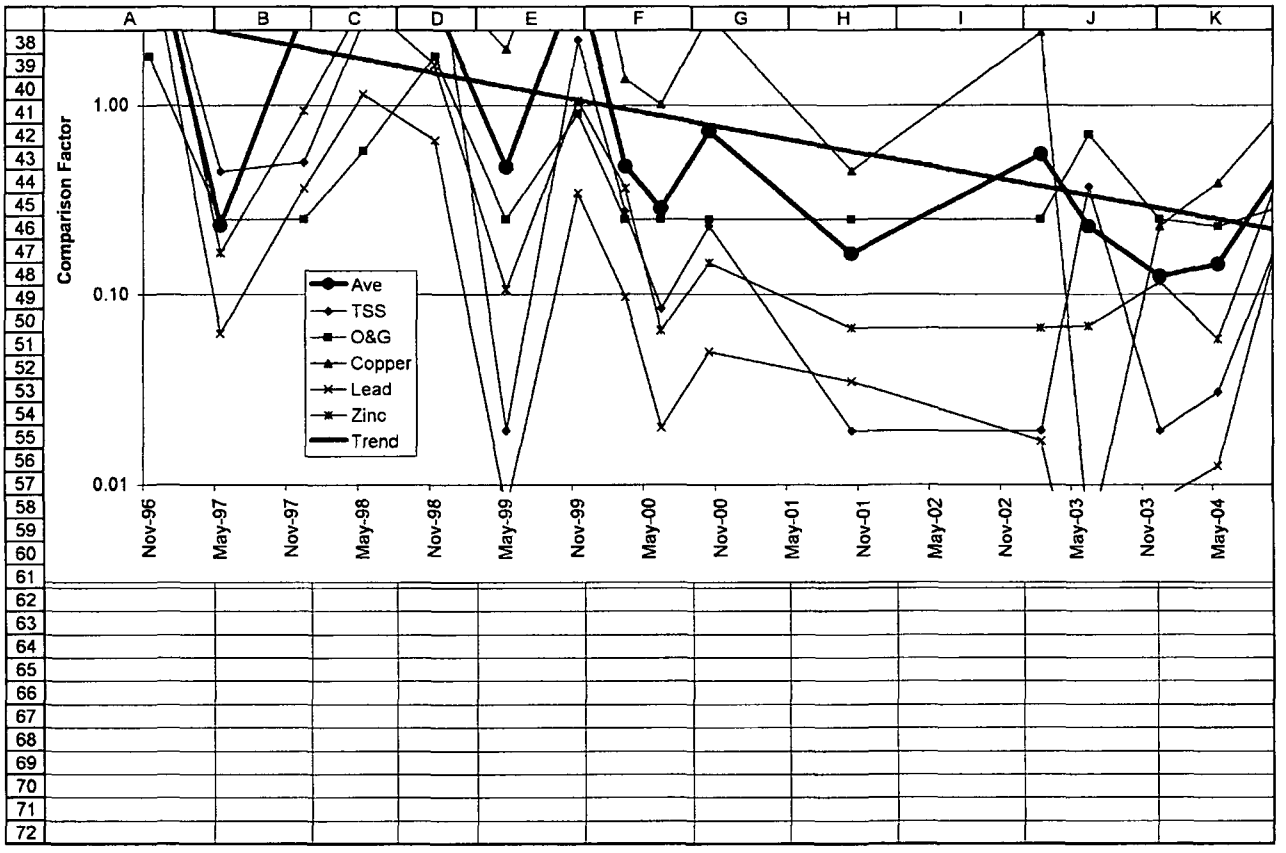

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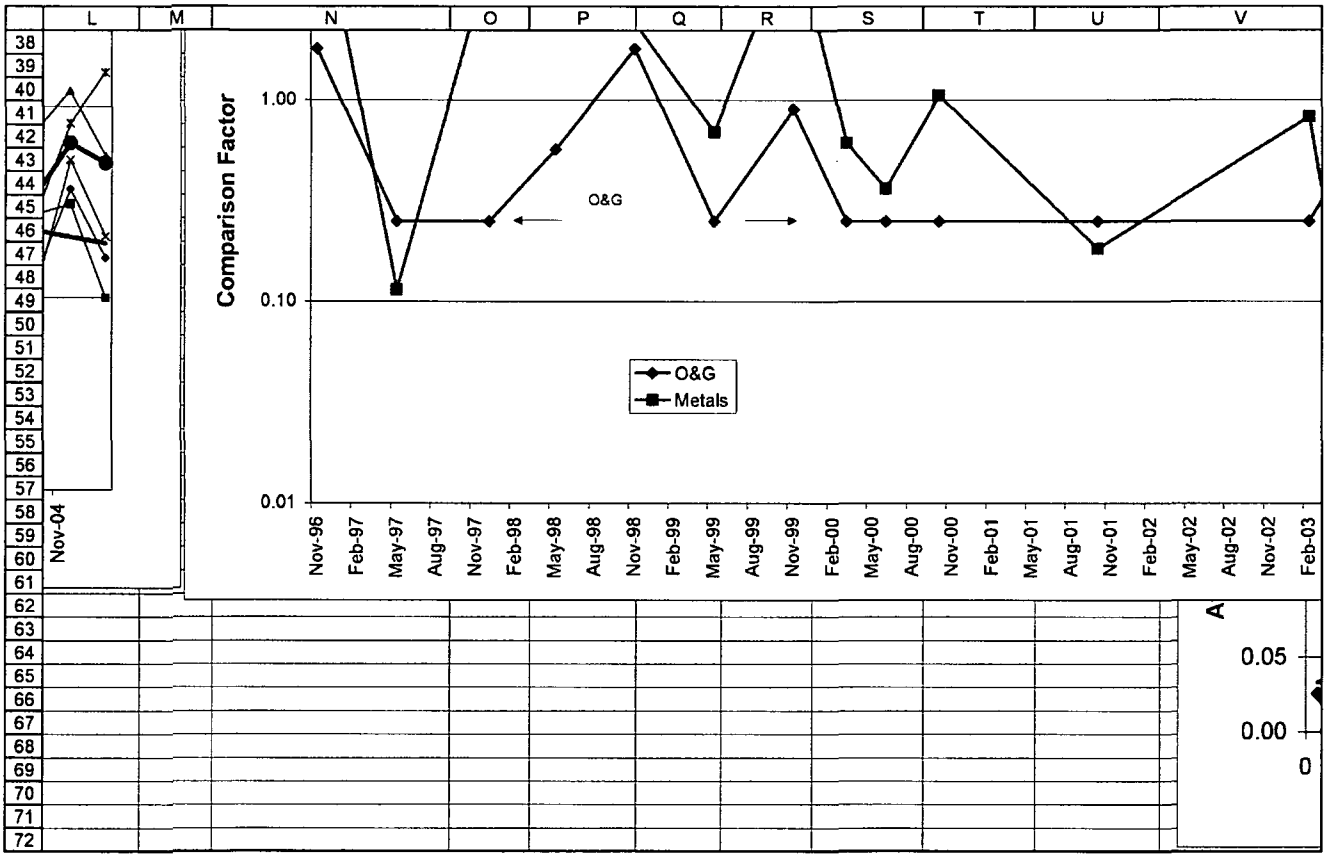

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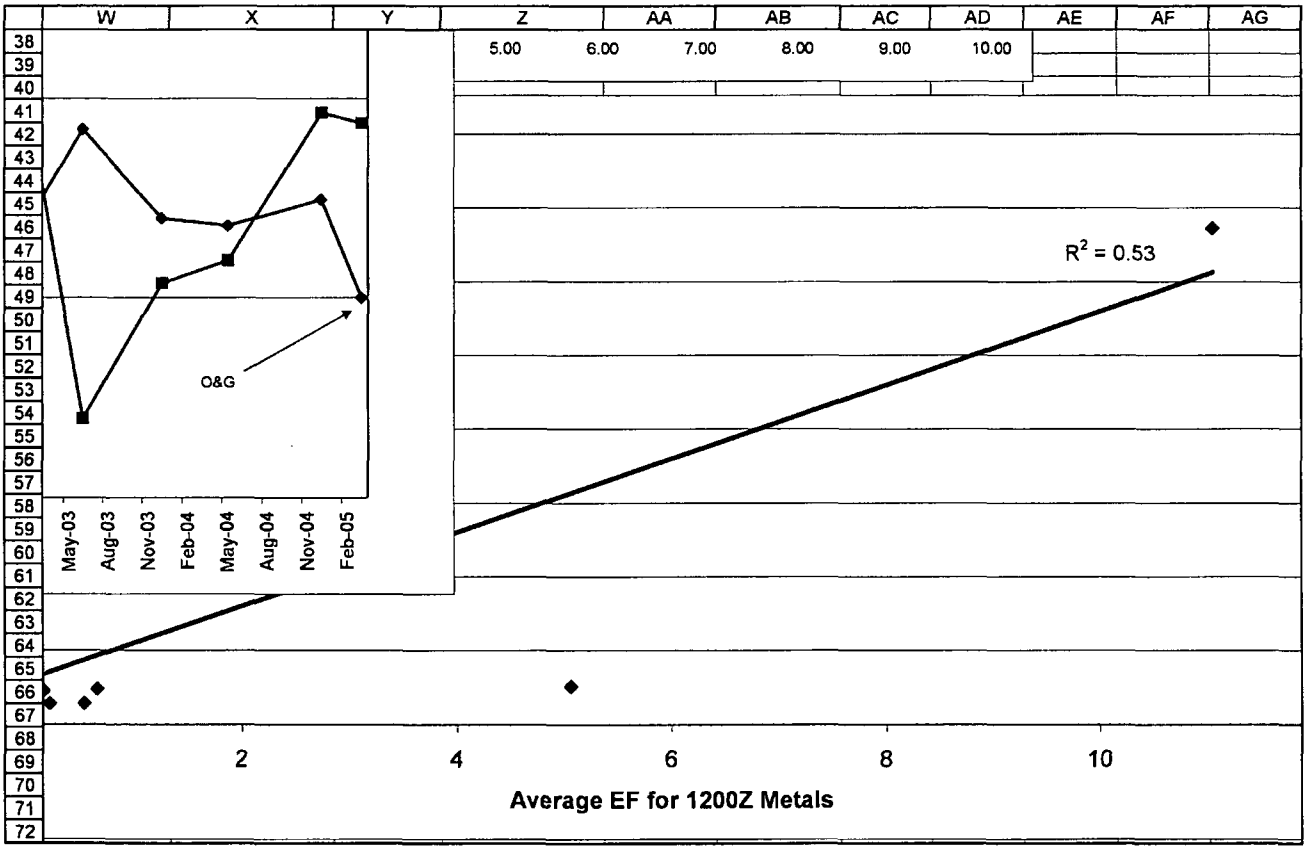

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	A	B	C	D	E	F	G	H	I	J
1	**New Basin 5**									
2										
3	**Concentration**									
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium
5										
6	12/14/1993	7.745	120	12	0.07	0.1	0.3	0.0025	0.0025	0.0175
7	12/14/1994	8.17	167	8	0.075	0.1655	0.4	0.005	0.0035	0.0305
8	2/17/1995	8.705	84	9.25	0.0825	0.1675	0.615	0.005	0.0025	0.0305
9	11/27/1995	7.9	157	3.75	0.0625	0.12	0.295	0.005	0.001	0.0275
10	4/12/1996	8.55	395	3	0.115	0.23	0.515	0.005	0.0025	0.031
11	11/18/1996	8.45	614	10.1	0.1555	0.373	0.995	0.00425	0.002	0.064
12	5/28/1997	9.33	52	2.5		0.036	0.11	0.006	0.002	0.022
13	12/9/1997	9.235	87	14.25	1.1875	0.7525	2.105	0.0025	0.01	0.1045
14	5/20/1998	7.79	271	3.6	0.616	0.361	1.085			
15	11/23/1998	8.665	320	8.5	3.015	0.27	0.6235			
16	5/3/1999	7.045	2.5	2.5	0.0475	0.006	0.043			
17	11/11/1999	8.17	192.5	12.5	0.676	0.1615	0.922			
18	3/4/2000	8.855	69	4.25	0.1465	0.12	0.7055			
19	6/11/2000	7.79	12	2.5	0.0245	0.018	0.101			
20	10/20/2000	8.345	543	2.5	1.42	0.3025	1.099			
21	10/30/2001	7.76	10	2.5	0.027	0.028	0.082			
22	5/22/2002	7.91	2.5	2.5	0.013	0.001	0.015			
23	2/16/2003	8.44	8	2.5	0.04	0.0256	0.053			
24	12/5/2003	8.04	12	5.3	0.032	0.0229	0.098			
25	5/8/2004	7.88	8	2.6	0.024	0.036	0.086			
26	12/13/2004	7.05	100	4.4	0.17	0.401	0.92			
27	3/26/2005	7.01	60	1	0.093	0.217	0.59			
28	4/1/2005	7.2	132	5.1	0.183	0.42	1.47			
29	5/10/2005	7.55	120	1	0.15	0.199	0.6			
30										
31		Benchmark	130	10	0.1	0.4	0.6	4.25	0.02	8.5
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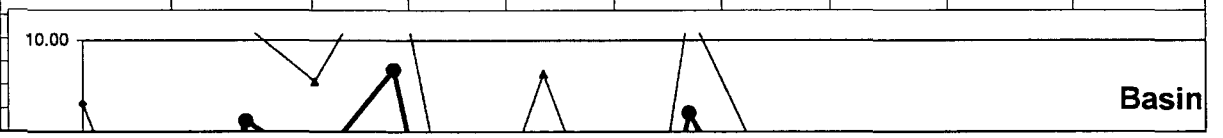

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	K	L	M	N	O	P	Q	R	S	T	U
1											
2											
3					**Exceeedance Factors**						Metals
4	Mercury	Nickel	COD		TSS	TPH	Copper	Lead	Zinc	Average	Average
5											
6	0.0001	0.005			0.92	1.20	0.70	0.25	0.50	0.71	0.48
7	0.0001	0.05			1.28	0.80	0.75	0.41	0.67	0.78	0.61
8	0.00085	0.035			0.65	0.93	0.83	0.42	1.03	0.77	0.76
9	0.00035	0.05			1.21	0.38	0.63	0.30	0.49	0.60	0.47
10	0.00065	0.033			3.04	0.30	1.15	0.58	0.86	1.18	0.86
11	0.0012	0.325			4.72	1.01	1.56	0.93	1.66	1.98	1.38
12	0.00025	0.01			0.40	0.25		0.09	0.18	0.23	0.14
13	0.002525	0.0615			0.67	1.43	11.88	1.88	3.51	3.87	5.75
14					2.08	0.36	6.16	0.90	1.81	2.26	2.96
15					2.46	0.85	30.15	0.68	1.04	7.04	10.62
16					0.02	0.25	0.48	0.02	0.07	0.17	0.19
17					1.48	1.25	6.76	0.40	1.54	2.29	2.90
18					0.53	0.43	1.47	0.30	1.18	0.78	0.98
19					0.09	0.25	0.25	0.05	0.17	0.16	0.15
20					4.18	0.25	14.20	0.76	1.83	4.24	5.60
21					0.08	0.25	0.27	0.07	0.14	0.16	0.16
22					0.02	0.25	0.13	0.00	0.03	0.09	0.05
23					0.06	0.25	0.40	0.06	0.09	0.17	0.18
24					0.09	0.53	0.32	0.06	0.16	0.23	0.18
25					0.06	0.26	0.24	0.09	0.14	0.16	0.16
26					0.77	0.44	1.70	1.00	1.53	1.09	1.41
27					0.46	0.10	0.93	0.54	0.98	0.60	0.82
28	0.000831		88		1.02	0.51	1.83	1.05	2.45	1.37	1.78
29	0.000057		19		0.92	0.10	1.50	0.50	1.00	0.80	1.00
30											
31	0.01	7		Ave	1.13	0.53	3.66	0.47	0.96	1.32	1.65
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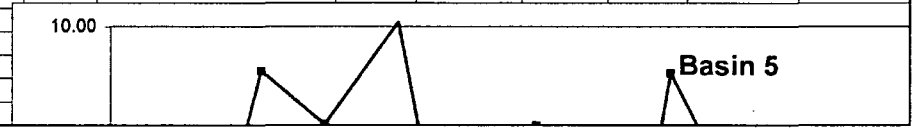

	V	W	X	Y	Z	AA	AB	AC	AD	AE
1										
2										
3										
4		Arsenic	Cadmium	Chromium	Mercury	Nickel	Average			
5										
6		0.000588235	0.125	0.002058824	0.01	0.000714286	0.028		17.5	
7		0.001176471	0.175	0.003588235	0.01	0.007142857	0.039		15.5	
8		0.001176471	0.125	0.003588235	0.085	0.005	0.044		17.2	
9		0.001176471	0.05	0.003235294	0.035	0.007142857	0.019		24.5	
10		0.001176471	0.125	0.003647059	0.065	0.004714286	0.040		21.6	
11		0.001	0.1	0.007529412		0.046428571	0.039		35.7	
12		0.001411765	0.1	0.002588235	0.025	0.001428571	0.026		5.2	
13		0.000588235	0.5	0.012294118	0.2525	0.008785714	0.155		37.2	
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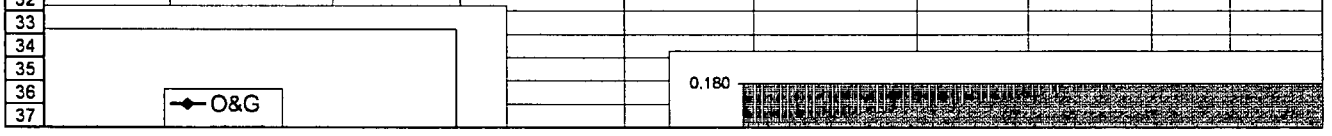

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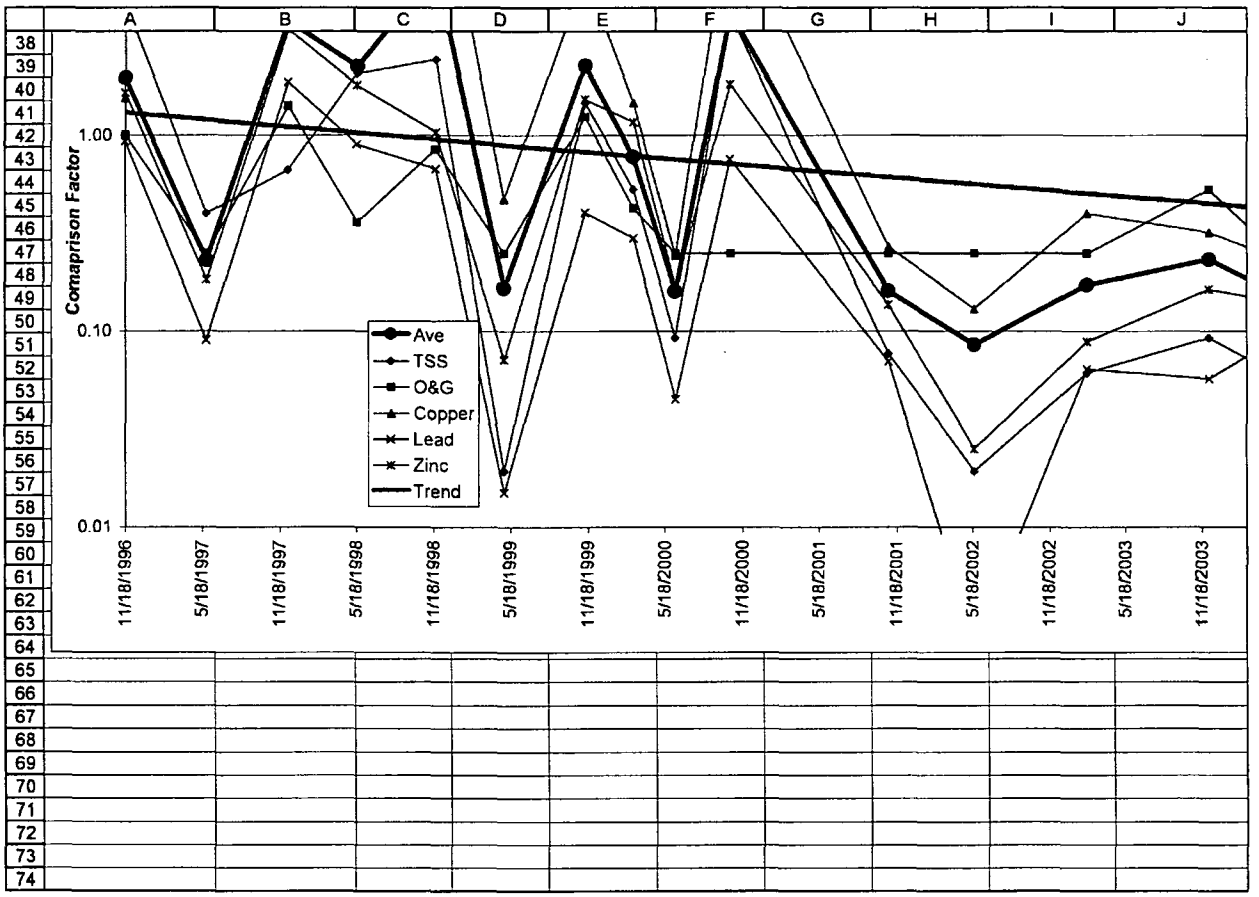

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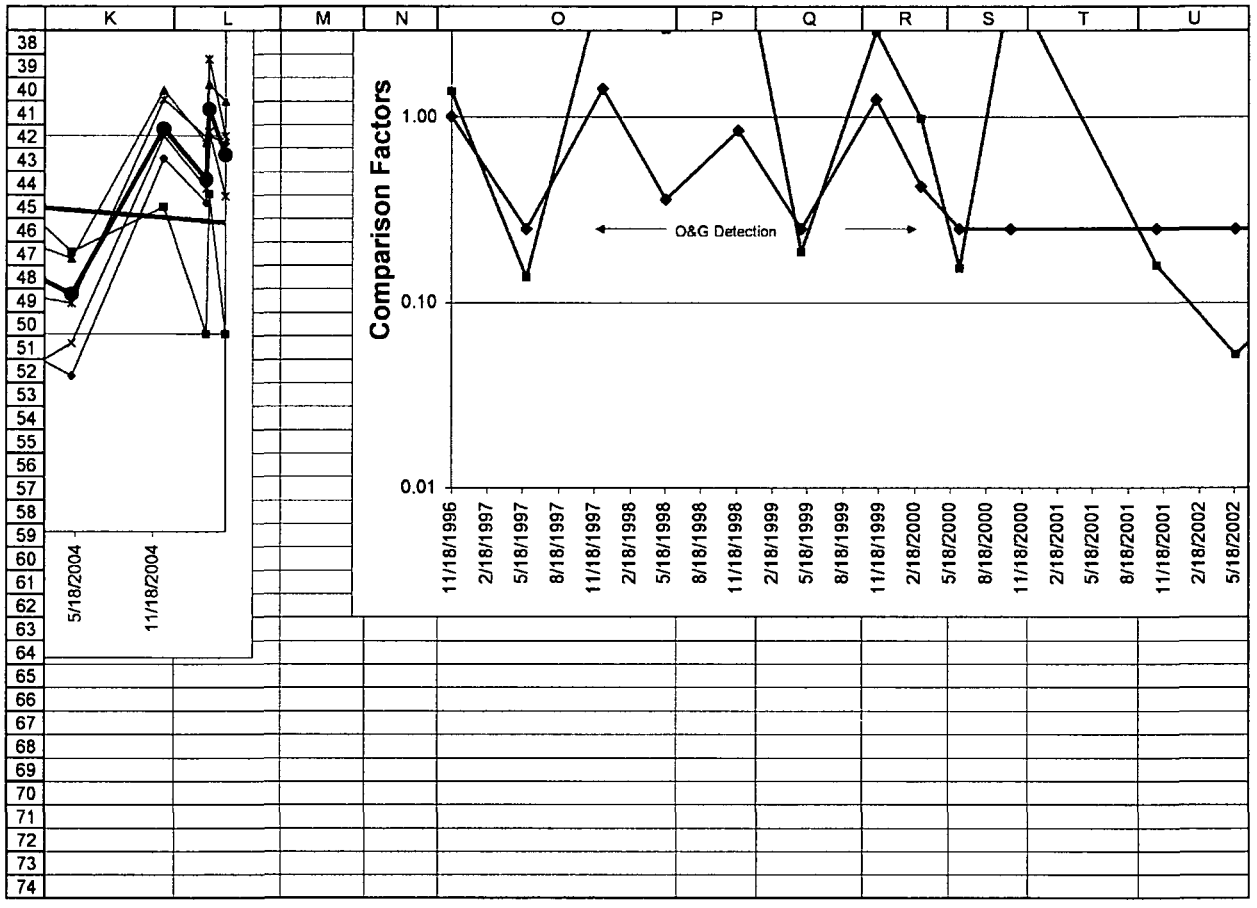

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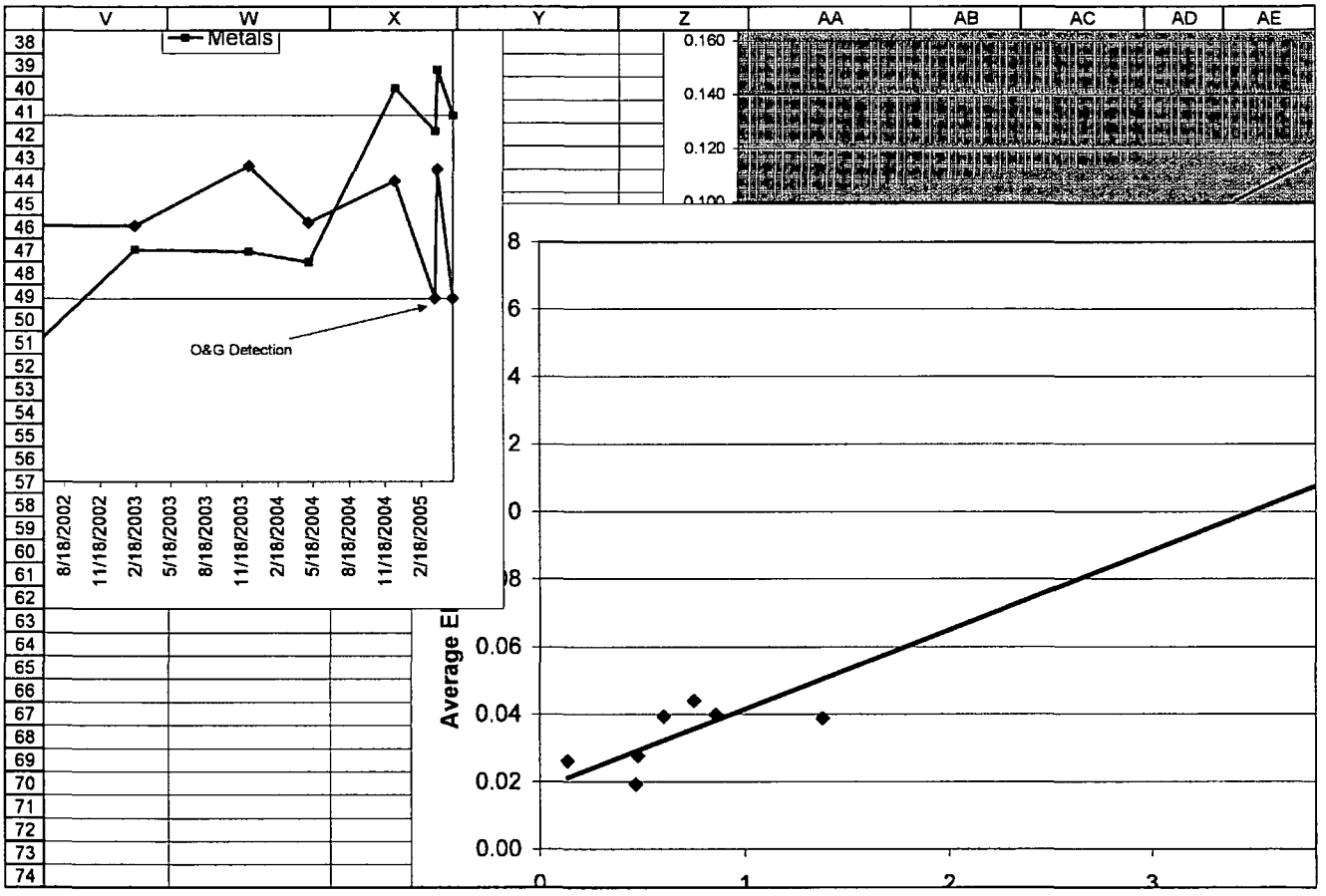

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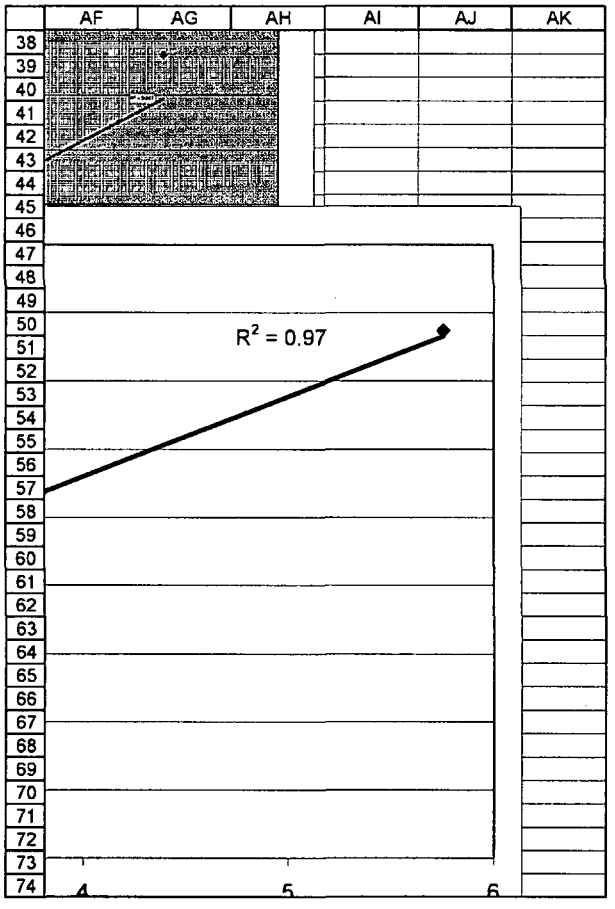


SCHN00376882

	A	B	C	D	E	F	G	H	I	J
75										
76										
77										
78										

	K	L	M	N	O	P	Q	R	S	T	U
75											
76											
77											
78											

	V	W	X	Y	Z	AA	AB	AC	AD	AE
75										
76										
77										
78										

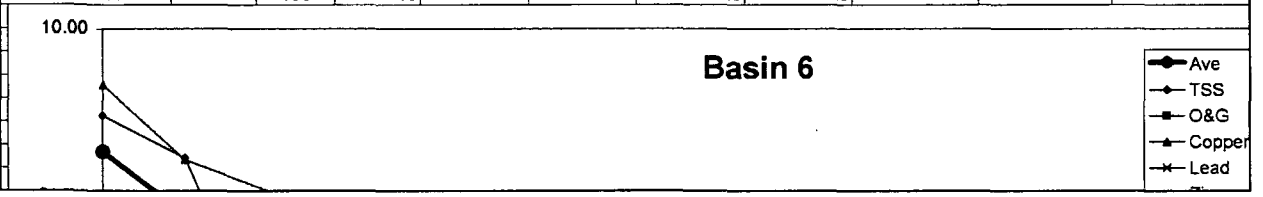
Average EF for 1200Z Metals

SCHN00376885

	AF	AG	AH	AI	AJ	AK
75						
76						
77						
78						

SCHN00376886

	A	B	C	D	E	F	G	H	I	J	K
1	**New Basin 6**										
2											
3	**Concentration**										
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	12/14/1993	8.24	25	2.5	0.005	0.01	0.005	0.0025	0.001	0.006	0.0001
7	12/14/1994	9.71	32	2.5	0.04	0.017	0.05	0.005	0.001	0.01	0.0001
8	2/17/1995	8.77	80	7	0.02	0.064	0.09	0.005	0.001	0.01	0.0001
9	11/27/1995	9.1	250	4	0.02	0.05	0.15	0.005	0.001	0.03	0.0001
10	4/12/1996	9.2	130	3.5	0.073	0.14	0.3	0.006	0.0025	0.029	0.0003
11	12/9/1997	8.87	452	9	0.505	0.263	0.63	0.0025	0.002	0.031	0.0008
12	5/20/1998	8.16	270	4.5	0.203	0.078	0.29				
13	11/23/1998	8.15	19	6	0.132	0.088	0.237				
14	5/3/1999	7.47	8	2.5	0.012	0.003	0.011				
15	11/11/1999	9.45	35	2.5	0.005	0.006	0.017				
16	3/4/2000	8.52	49	2.5	0.029	0.036	0.085				
17	6/11/2000	8.16	2.5	2.5	0.014	0.011	0.038				
18	10/20/2000	7.75	8	2.5	0.014	0.015	0.048				
19	10/30/2001	8.1	36	2.5	0.034	0.059	0.231				
20	5/22/2002	8.42	59	2.5	0.025	0.016	0.106				
21	2/16/2003	7.34	2.5	2.5	0.005	0.002	0.005				
22	12/5/2003	7.37	27	2.5	0.012	0.0145	0.061				
23	5/8/2004	7.56	9	1	0.006	0.037	0.016				
24	12/13/2004	7.55	14	1	0.023	0.04	0.1				
25	3/26/2005	7.58	26	1	0.008	0.019	0.034				
26	4/1/2005	6.3	8	24.1	0.0104	0.022	0.0594				0.0000386
27	5/10/2005	7	1.3	1	0.0032	0.0043	0.0065				0.0000099
28											
29	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01



SCHN00376887

	L	M	N	O	P	Q	R	S	T	U	V
1											
2											
3				**Exceeedance Factors**						Metals	
4	Nickel	COD		TSS	TPH	Copper	Lead	Zinc	Ave	Average	
5											
6	0.005			0.19	0.25	0.05	0.03	0.01	0.11	0.03	
7	0.05			0.25	0.25	0.40	0.04	0.08	0.20	0.18	
8	0.05			0.62	0.70	0.20	0.16	0.15	0.37	0.17	
9	0.05			1.92	0.40	0.20	0.13	0.25	0.58	0.19	
10	0.03			1.00	0.35	0.73	0.35	0.50	0.59	0.53	
11	0.01			3.48	0.90	5.05	0.66	1.05	2.23	2.25	
12				2.08	0.45	2.03	0.20	0.48	1.05	0.90	
13				0.15	0.60	1.32	0.22	0.40	0.54	0.65	
14				0.06	0.25	0.12	0.01	0.02	0.09	0.05	
15				0.27	0.25	0.05	0.02	0.03	0.12	0.03	
16				0.38	0.25	0.29	0.09	0.14	0.23	0.17	
17				0.02	0.25	0.14	0.03	0.06	0.10	0.08	
18				0.06	0.25	0.14	0.04	0.08	0.11	0.09	
19				0.28	0.25	0.34	0.15	0.39	0.28	0.29	
20				0.45	0.25	0.25	0.04	0.18	0.23	0.16	
21				0.02	0.25	0.05	0.01	0.01	0.07	0.02	
22				0.21	0.25	0.12	0.04	0.10	0.14	0.09	
23				0.07	0.10	0.06	0.09	0.03	0.07	0.06	
24				0.11	0.10	0.23	0.10	0.17	0.14	0.17	
25				0.20	0.10	0.08	0.05	0.06	0.10	0.06	
26		2.5		0.06	2.41	0.10	0.06	0.10	0.55	0.09	
27		2.5		0.01	0.10	0.03	0.01	0.01	0.03	0.02	
28											
29	7		Ave	0.54	0.41	0.54	0.11	0.19	0.36	0.28	
30											
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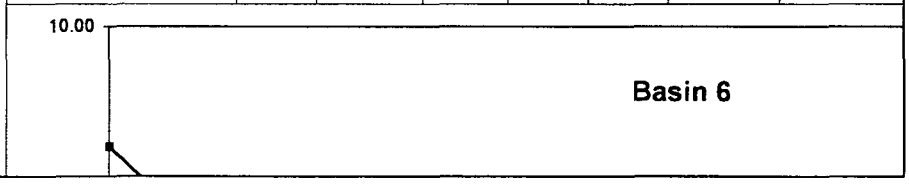
36											
37											



	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1										
2										
3										
4	Arsenic	Cadmium	Chromium	Mercury	Nickel	Average				
5										
6	0.000588235	0.05	0.000705882	0.01	0.000714286	0.012		2.2		
7	0.001176471	0.05	0.001176471	0.01	0.007142857	0.014		12.6		
8	0.001176471	0.05	0.001176471	0.01	0.007142857	0.014		12.2		
9	0.001176471	0.05	0.003529412	0.01	0.007142857	0.014		13.3		
10	0.001411765	0.125	0.003411765	0.03	0.004285714	0.033		16.0		
11	0.000588235	0.1	0.003647059	0.08	0.001428571	0.037		60.7		
12										
13										
14										
15										
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18										
19										
20										
21										
22										
23										
24				0.0000386						
25				0.0000099						
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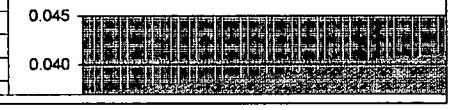

SCHN00376889

	AG	AH	AI	AJ	AK
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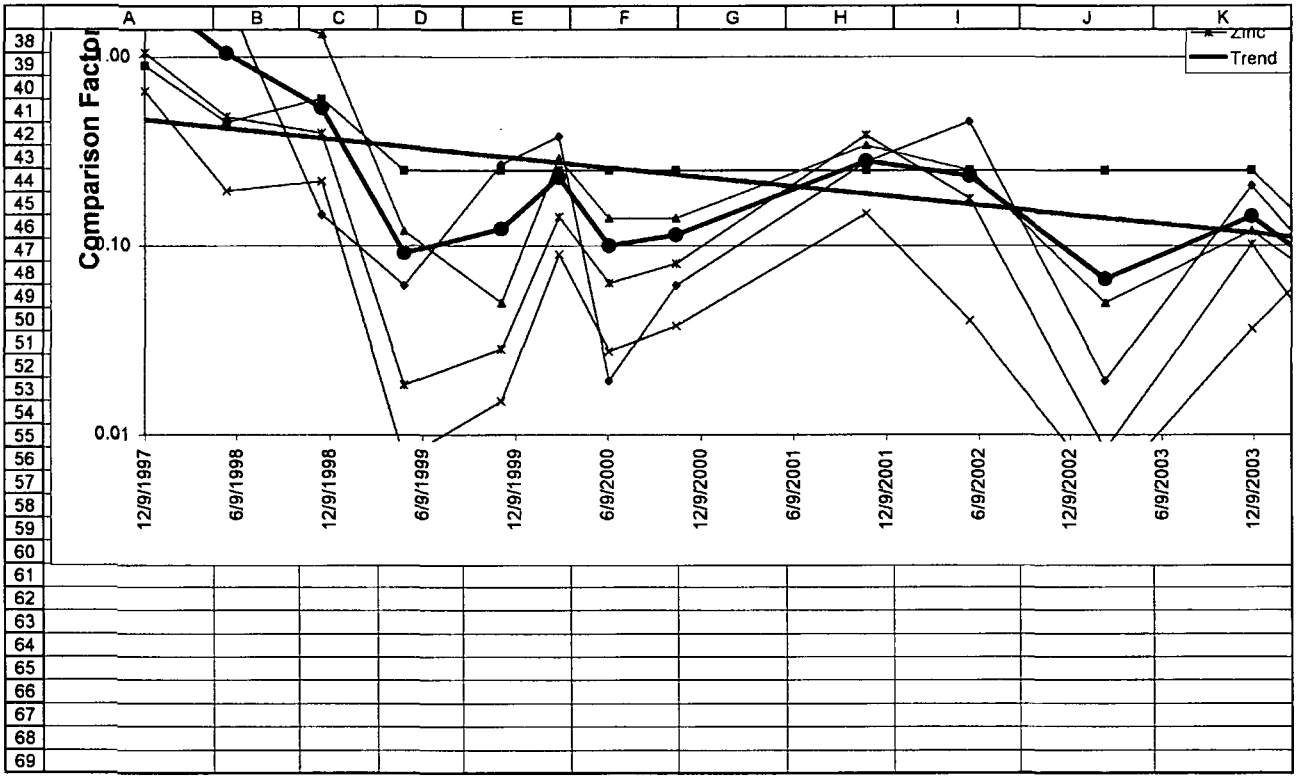

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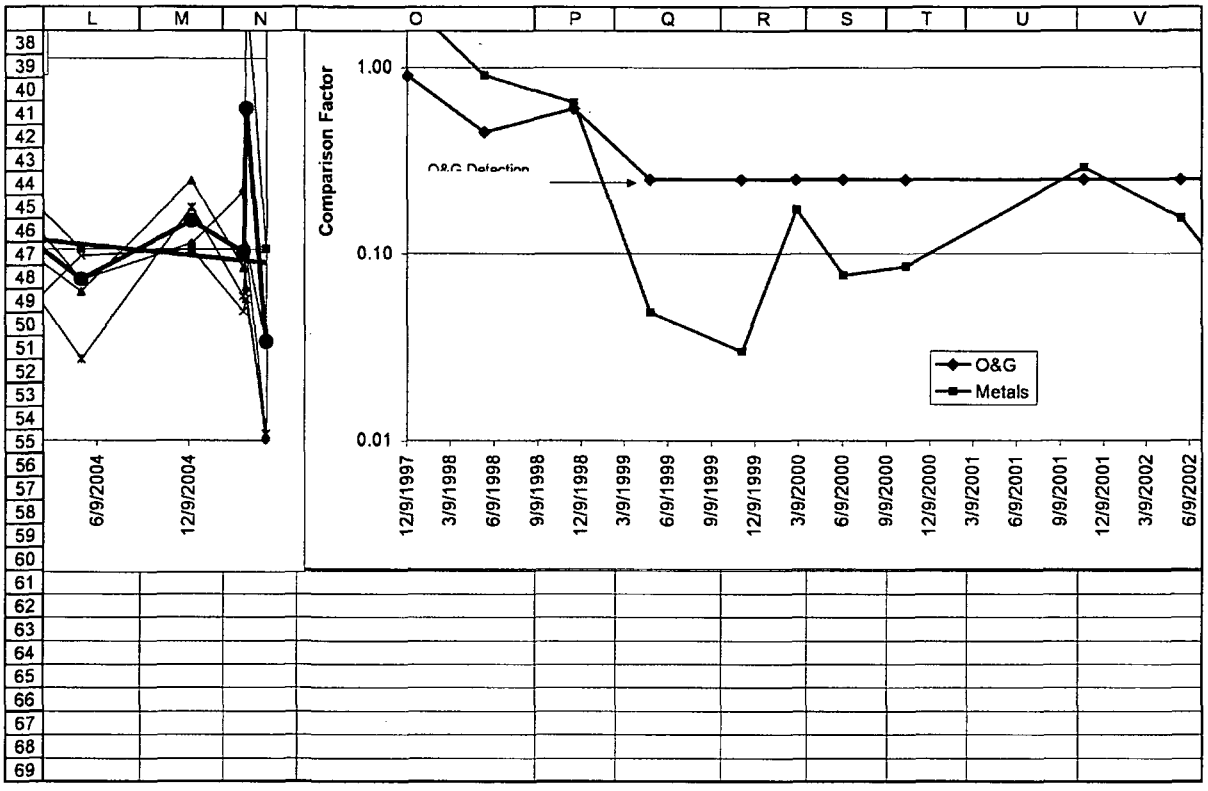

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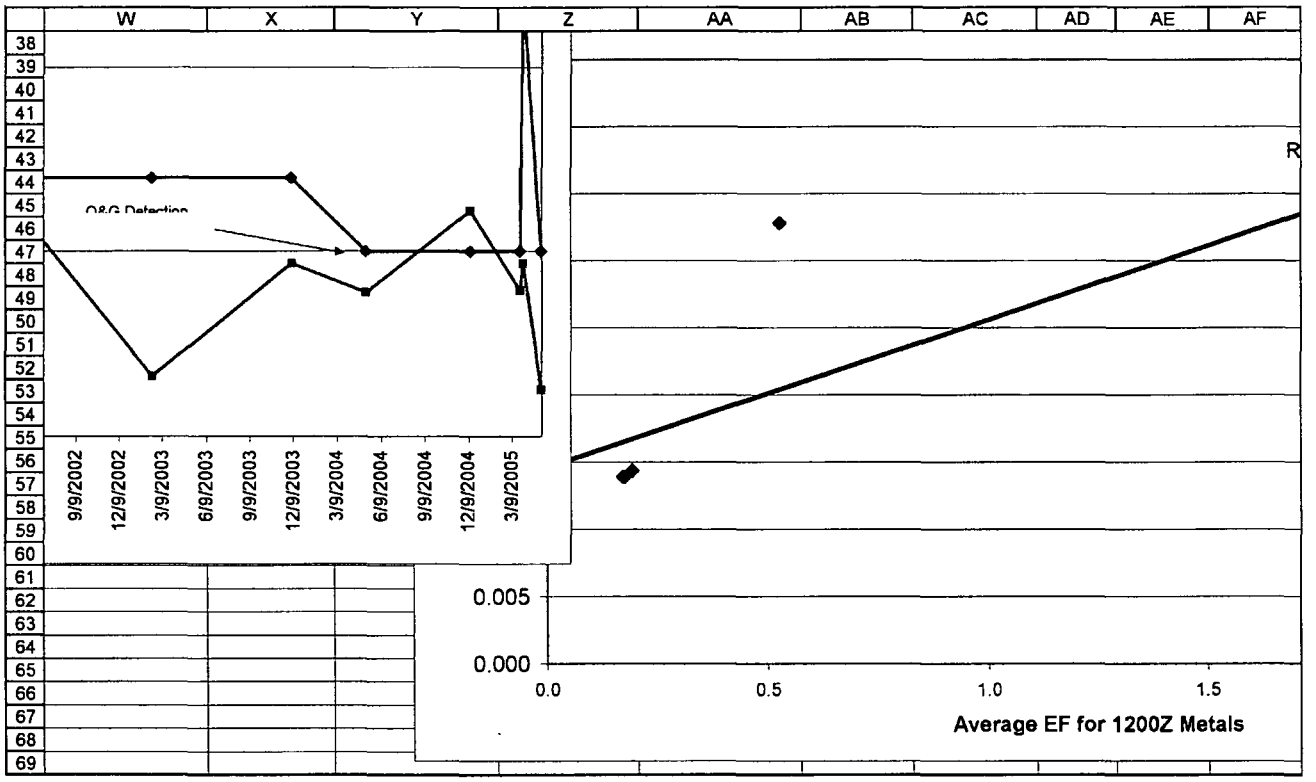

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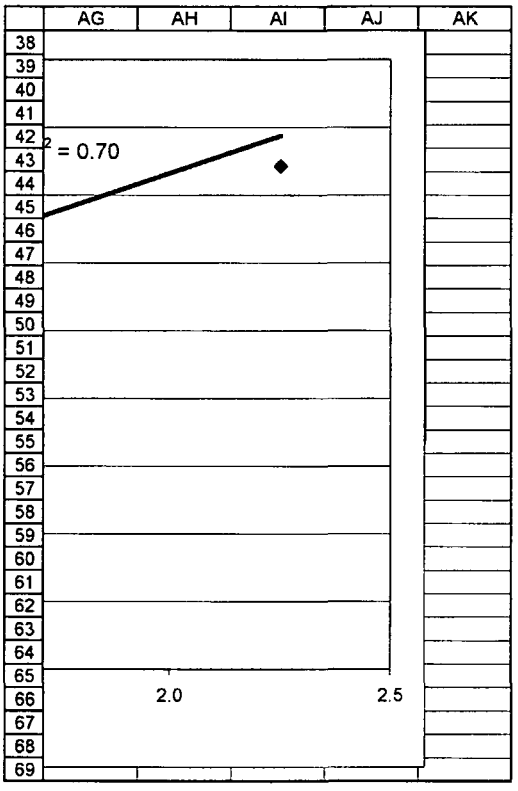
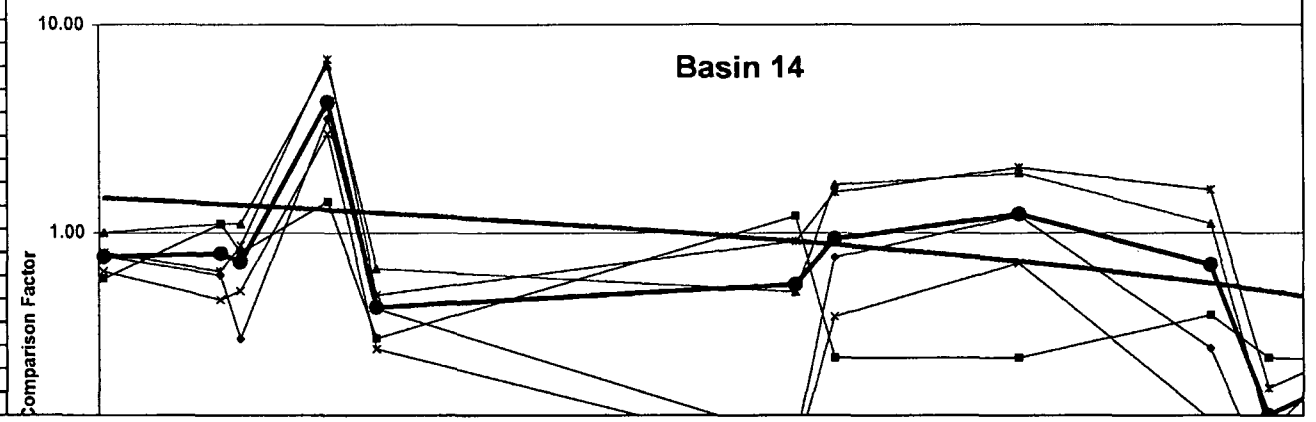


SCHN00376894

	A	B	C	D	E	F	G	H	I	J	K	L
1	**New Basin 14**											
2												
3	**Concentration**											
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel
5												
6	12/14/1993	7.99	100	6	0.1	0.26	0.48	0.0025	0.002	0.04	0.0001	0.005
7	12/14/1994	7.76	81	11	0.11	0.19	0.39	0.005	0.002	0.036	0.0006	0.01
8	2/17/1995	9.08	40	8	0.11	0.21	0.52	0.005	0.002	0.039	0.001	0.02
9	11/27/1995	8.8	460	14	0.64	1.2	4.1	0.02	0.01	0.45	0.0046	0.05
10	4/12/1996	7.7	56	3.1	0.067	0.11	0.3	0.01	0.0025	0.017	0.0001	0.01
11	11/11/1999	8.25	13	12	0.052	0.034	0.547					
12	3/10/2000	7.28	99	2.5	0.17	0.158	0.937					
13	10/30/2001	7.67	156	2.5	0.193	0.286	1.23					
14	6/20/2003	7.66	36	4	0.11	0.05	0.96					
15	12/5/2003	7.98	8	2.5	0.011	0.0246	0.107					
16	12/13/2004	7.71	15	2.4	0.037	0.066	0.19					
17												
18	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7
19												



SCHN00376895

	M	N	O	P	Q	R	S	T	U	V
1										
2										
3		**Exceeedance Factors**						Metals		
4		TSS	TPH	Copper	Lead	Zinc	Average	Average		Arsenic
5										
6		0.77	0.60	1.00	0.65	0.80	0.76	0.82		0.000588235
7		0.62	1.10	1.10	0.48	0.65	0.79	0.74		0.001176471
8		0.31	0.80	1.10	0.53	0.87	0.72	0.83		0.001176471
9		3.54	1.40	6.40	3.00	6.83	4.23	5.41		0.004705882
10		0.43	0.31	0.67	0.28	0.50	0.44	0.48		0.002352941
11		0.10	1.20	0.52	0.09	0.91	0.56	0.51		
12		0.76	0.25	1.70	0.40	1.56	0.93	1.22		
13		1.20	0.25	1.93	0.72	2.05	1.23	1.57		
14		0.28	0.40	1.10	0.13	1.60	0.70	0.94		
15		0.06	0.25	0.11	0.06	0.18	0.13	0.12		
16		0.12	0.24	0.37	0.17	0.32	0.24	0.28		
17										
18	Ave	0.81	0.66	1.56	0.63	1.60	1.05	1.26		
19										
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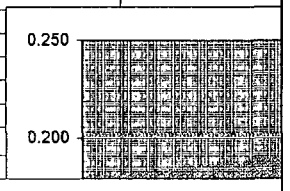

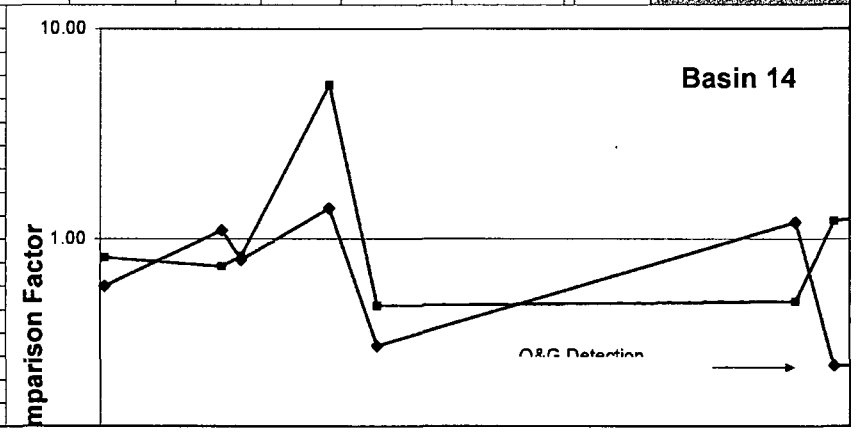

SCHN00376896

	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1										
2										
3										
4	Cadmium	Chromium	Mercury	Nickel	Average					
5										
6	0.1	0.004705882	0.01	0.000714286	0.023		35.2			
7	0.1	0.004235294	0.06	0.001428571	0.033		22.2			
8	0.1	0.004588235	0.1	0.002857143	0.042		19.9			
9	0.5	0.052941176	0.46	0.007142857	0.205		26.4			
10	0.125	0.002	0.01	0.001428571	0.028		17.1			
11										
12										
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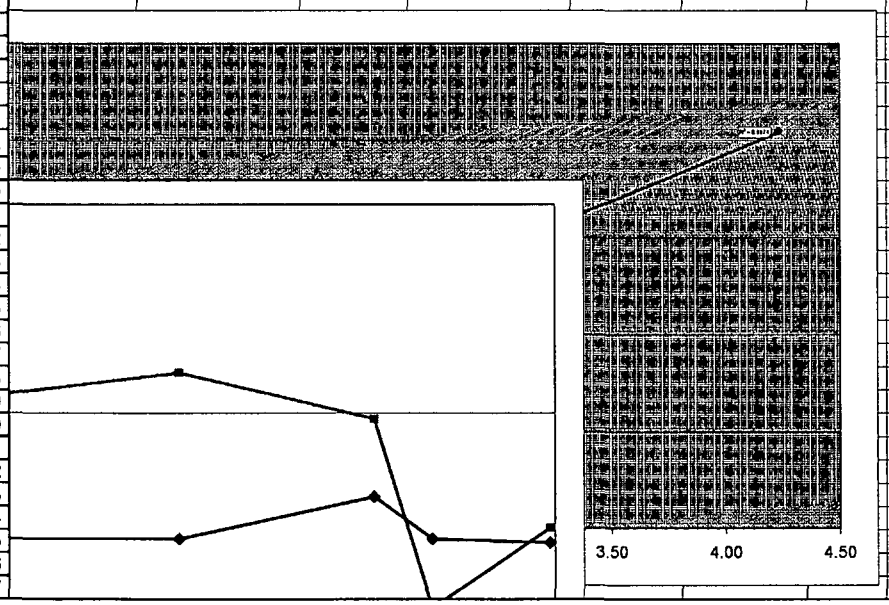

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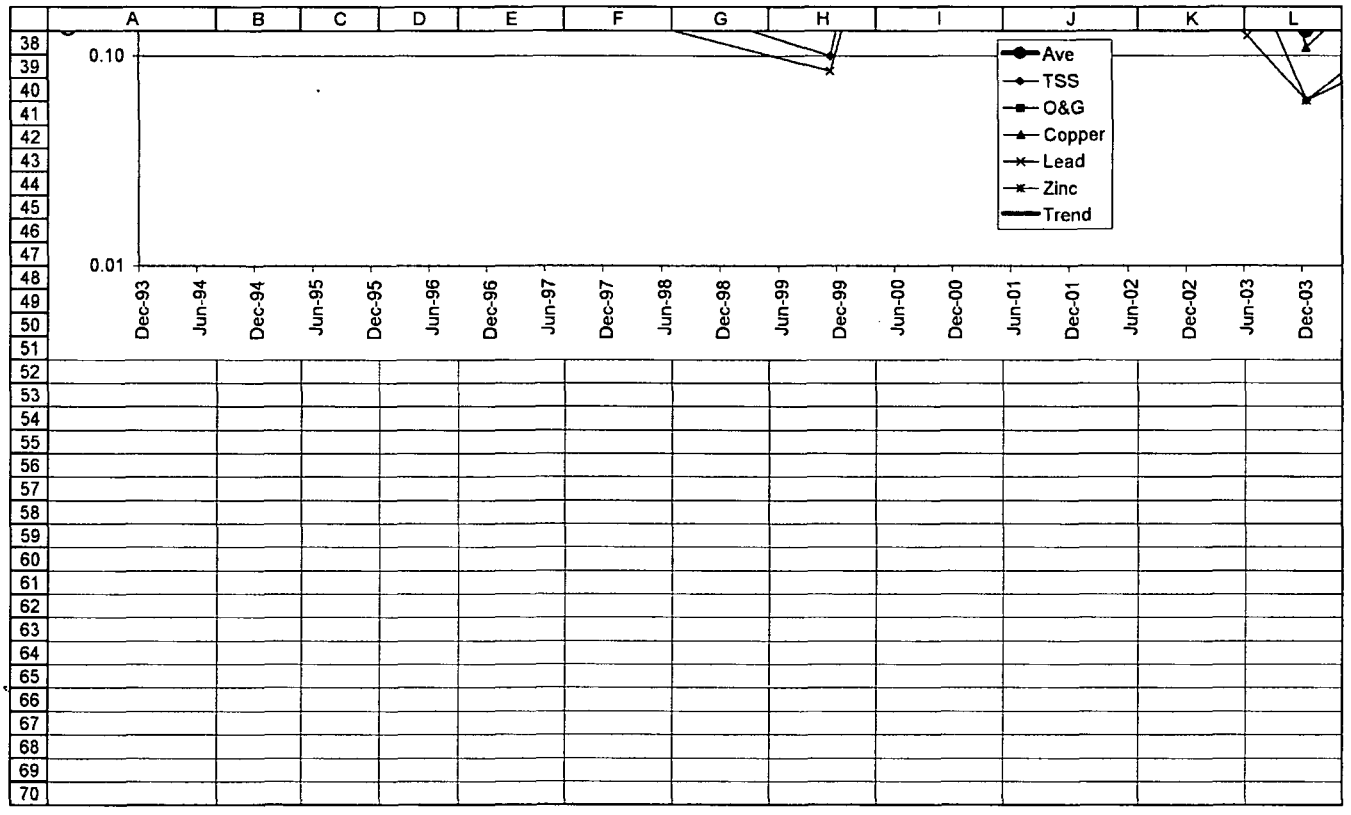

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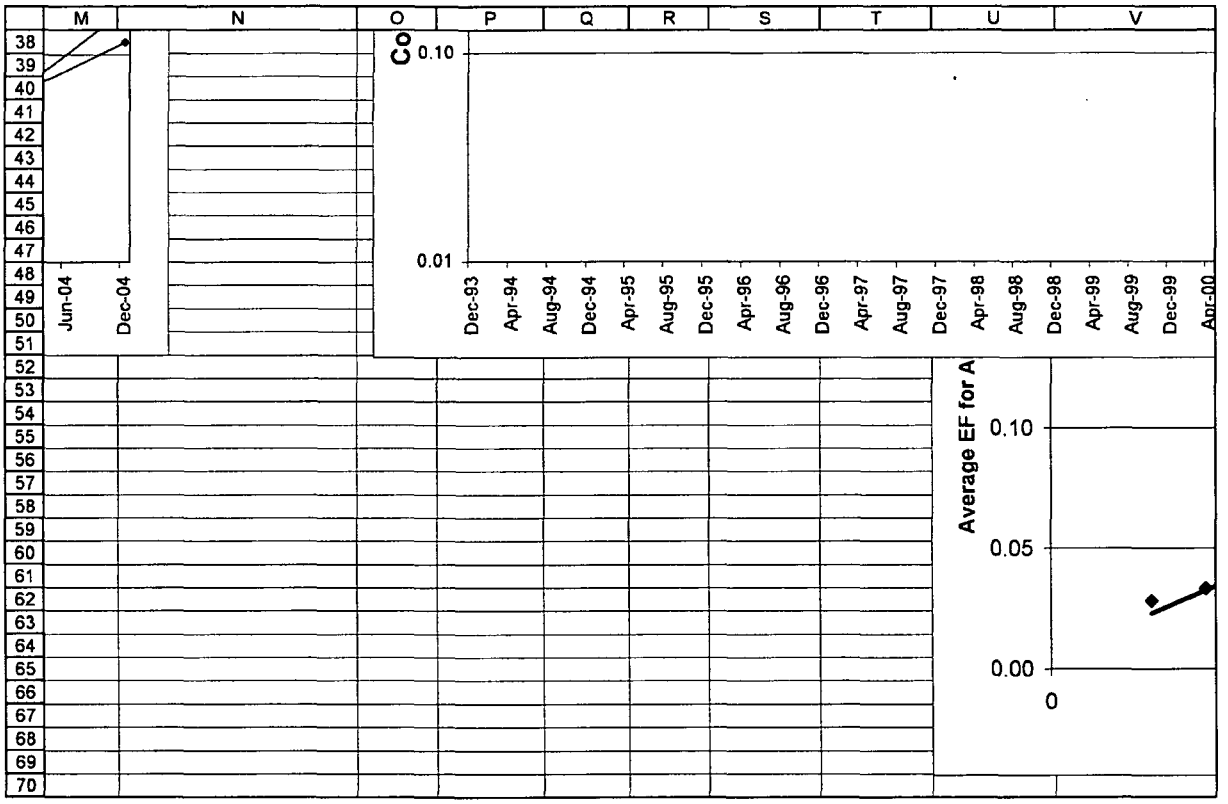

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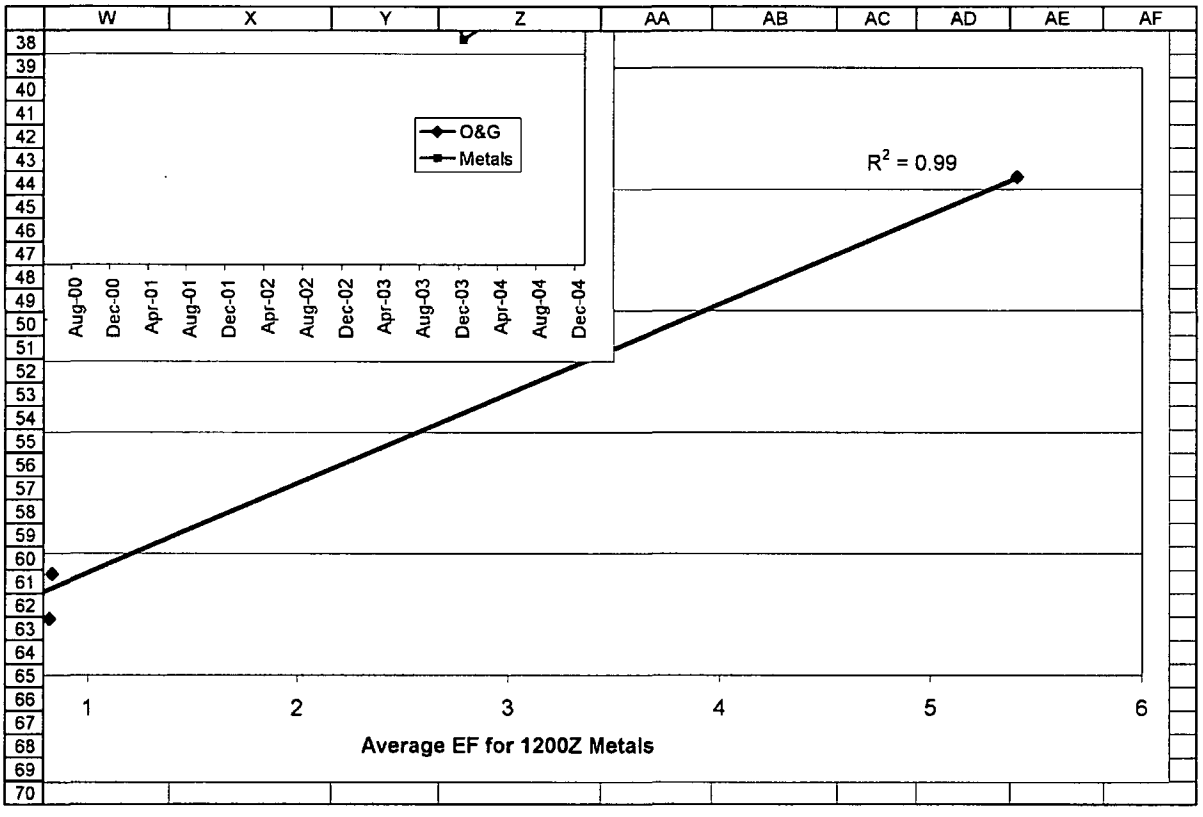
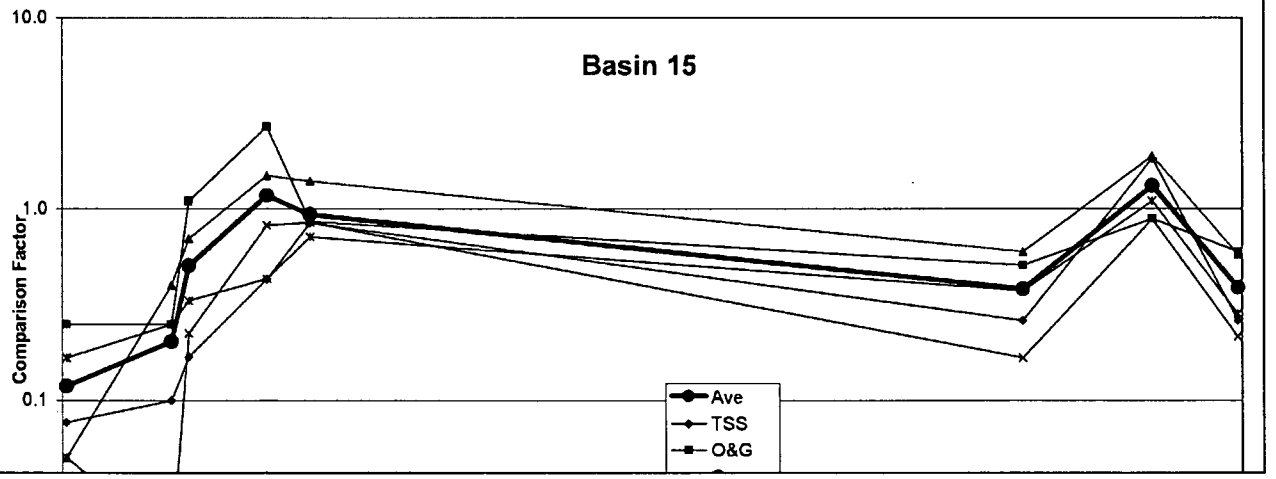


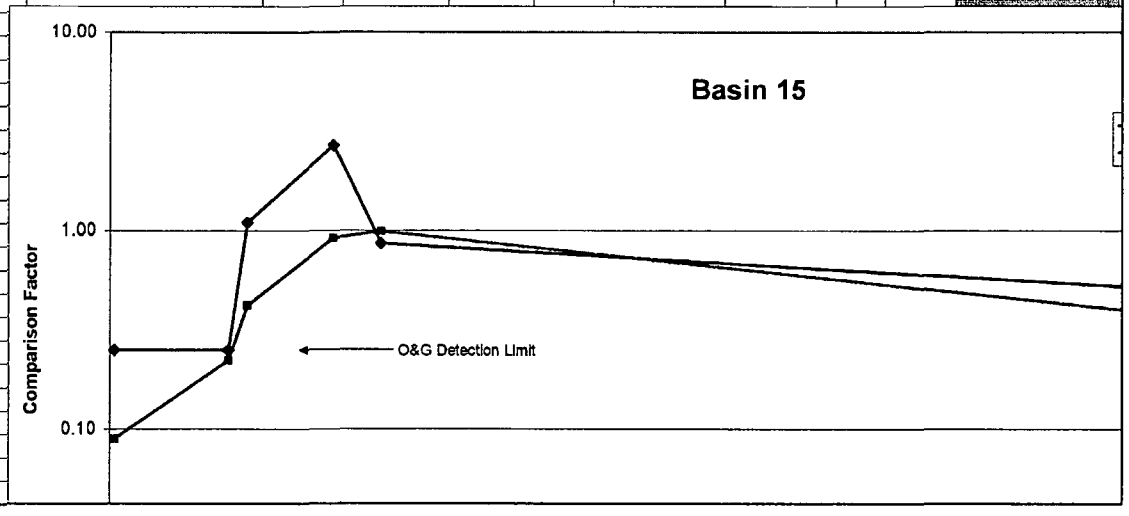
SCHN00376900

	A	B	C	D	E	F	G	H	I	J	K	L
1	**New Basin 15**											
2												
3												
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel
5												
6	12/14/1993	7.93	10	2.5	0.005	0.02	0.1	0.0025	0.001	0.012	0.0001	0.005
7	12/14/1994	7.79	13	2.5	0.04	0.007	0.15	0.005	0.001	0.006	0.0001	0.06
8	2/17/1995	7.74	22	11	0.07	0.09	0.2	0.005	0.001	0.012	0.0001	0.02
9	11/27/1995	7.9	56	27	0.15	0.33	0.26	0.005	0.003	0.03	0.0004	0.05
10	4/12/1996	8.5	110	8.6	0.14	0.34	0.43	0.006	0.0025	0.019	0.001	0.037
11	2/16/2003	7.68	34	5.1	0.06	0.067	0.225					
12	5/8/2004	7.68	240	8.9	0.19	0.354	0.66					
13	3/26/2005	8.1	34	6	0.058	0.086	0.17					
14												
15	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7
16												
17												



SCHN00376901

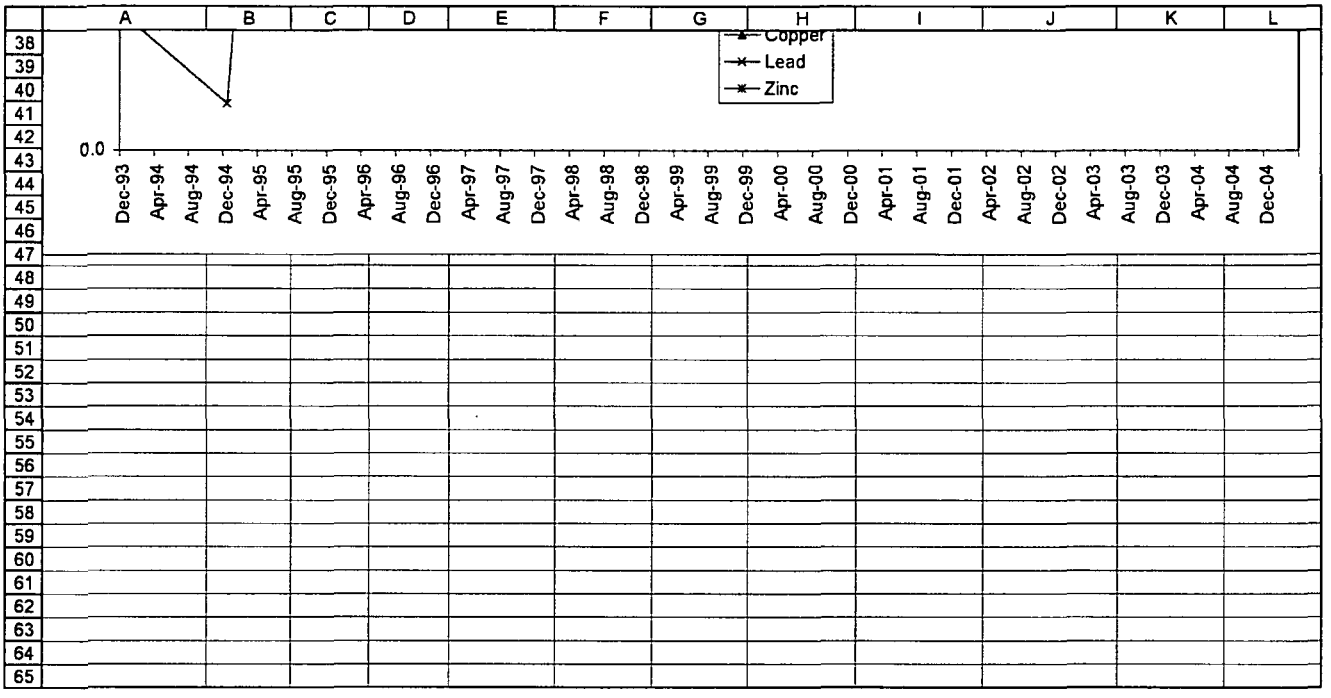
	M	N	O	P	Q	R	S	T	U	V
1										
2										
3		**Exceeedance Factors**						Metals		
4		TSS	TPH	Copper	Lead	Zinc	Average	Average		Arsenic
5										
6		0.08	0.25	0.05	0.05	0.17	0.12	0.09		0.000588235
7		0.10	0.25	0.40	0.02	0.25	0.20	0.22		0.001176471
8		0.17	1.10	0.70	0.23	0.33	0.51	0.42		0.001176471
9		0.43	2.70	1.50	0.83	0.43	1.18	0.92		0.001176471
10		0.85	0.86	1.40	0.85	0.72	0.93	0.99		0.001411765
11		0.26	0.51	0.60	0.17	0.38	0.38	0.38		
12		1.85	0.89	1.90	0.89	1.10	1.32	1.30		
13		0.26	0.60	0.58	0.22	0.28	0.39	0.36		
14										
15	Ave	0.53	0.94	0.94	0.43	0.48	0.66	0.62		0.050
16										



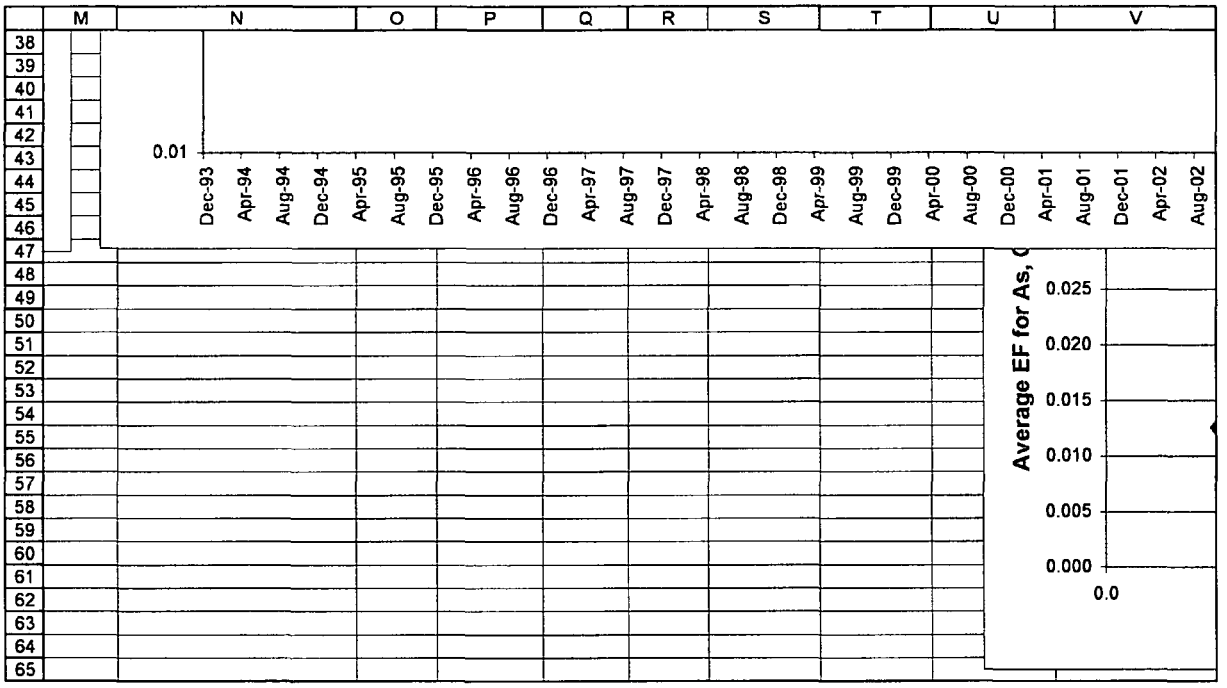
SCHN00376902

	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1											
2											
3											
4	Cadmium	Chromium	Mercury	Nickel	Average						
5											
6	0.05	0.001411765	0.01	0.000714286	0.013		7.1				
7	0.05	0.000705882	0.01	0.008571429	0.014		15.8				
8	0.05	0.001411765	0.01	0.002857143	0.013		32.0				
9	0.15	0.003529412	0.04	0.007142857	0.040		22.8				
10	0.125	0.002235294	0.1	0.005285714	0.047		21.1				
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21	O&G										
22	Metals										
23											
24											
25											
26											
27											
28											
29											
30											
31											
32											
33				0.80	1.00	1.20	1.40				
34											
35											
36											
37											

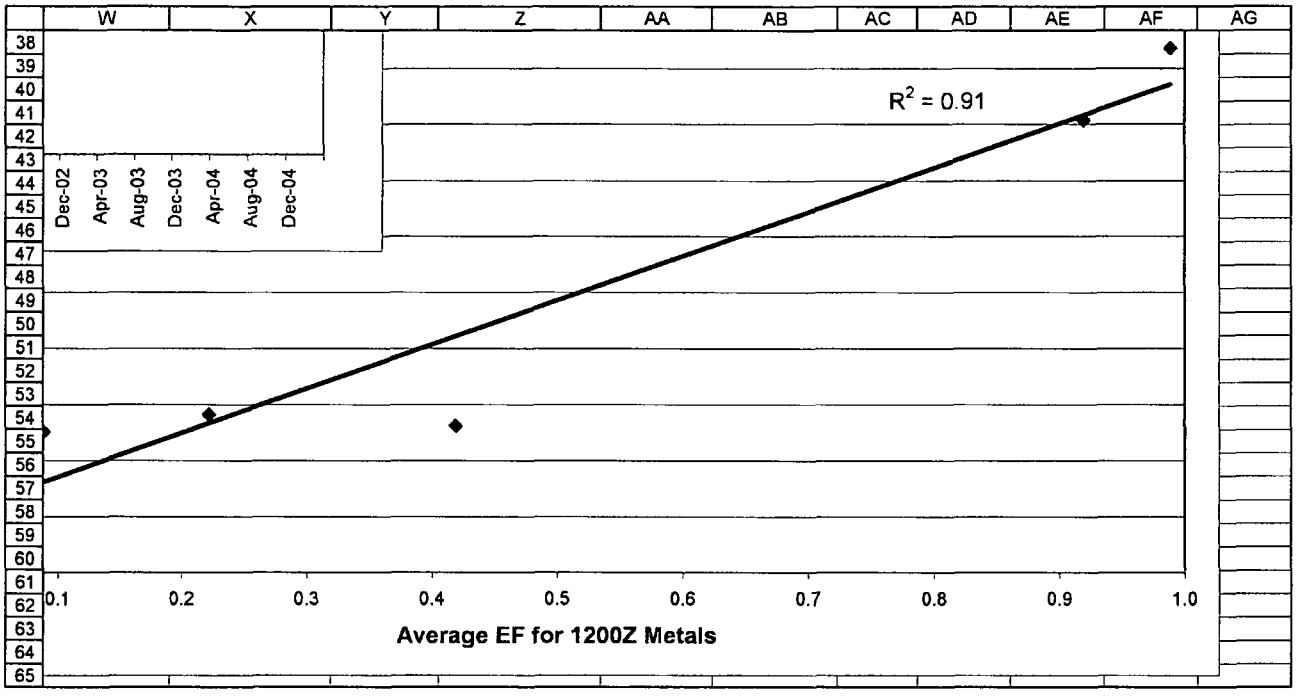
SCHN00376903



SCHN00376904

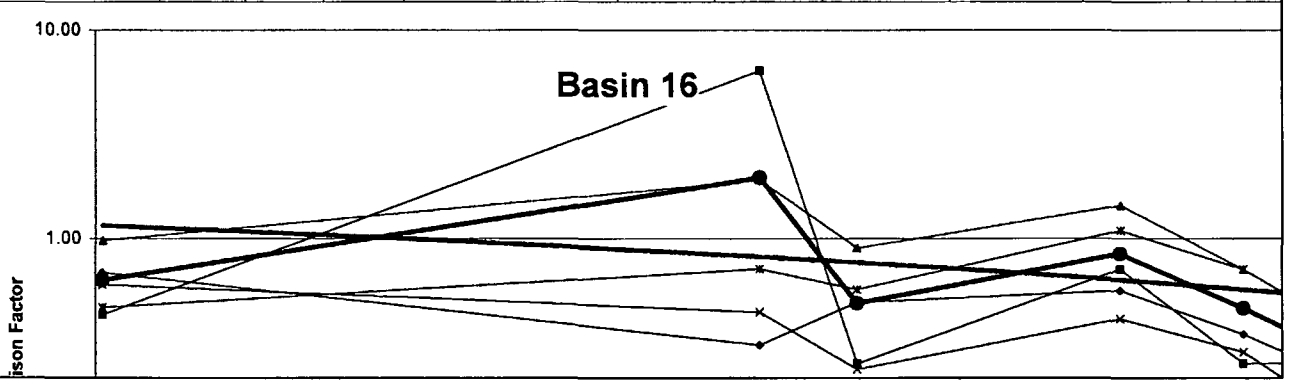


SCHN00376905



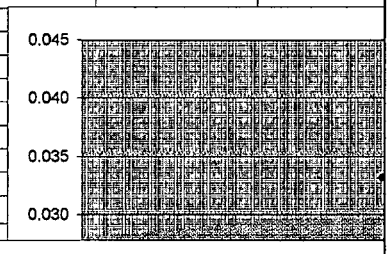
SCHN00376906

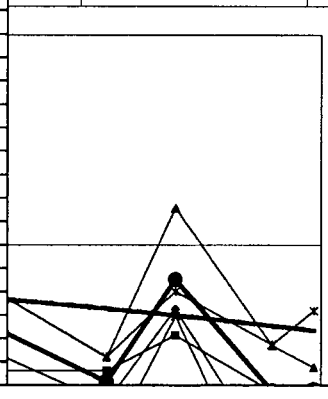
	A	B	C	D	E	F	G	H	I	J	K	L
1	**New Basin 16**											
2												
3	**Concentration**											
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel
5												
6	12/14/1993	7.6	56	13	0.07	0.08	0.21	0.0025	0.004	0.019	0.0001	0.01
7	12/14/1994	7.3	12	2	0.03	0.022	0.15	0.005	0.001	0.006	0.0001	0.1
8	2/17/1995	7.53	6	8	0.005	0.017	0.06	0.005	0.003	0.005	0.0001	0.03
9	11/27/1995	7.4	17	1.5	0.03	0.05	0.15	0.005	0.001	0.01	0.0001	0.05
10	4/12/1996	8.1	89	4.3	0.098	0.24	0.28	0.002	0.0025	0.005	0.0004	0.04
11	3/10/2000	7.09	40	64	0.191	0.177	0.429					
12	10/20/2000	7.18	64	2.5	0.09	0.094	0.342					
13	5/22/2002	7.09	73	7.1	0.144	0.164	0.654					
14	2/16/2003	8.2	45	2.5	0.071	0.114	0.427					
15	12/5/2003	8.03	23	2.5	0.029	0.0415	0.175					
16	5/8/2004	8.11	64	3.7	0.15	0.183	0.36					
17	12/13/2004	7.45	12	2	0.033	0.019	0.2					
18	3/26/2005	7.93	5	1	0.026	0.054	0.29					
19												
20	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7
21												

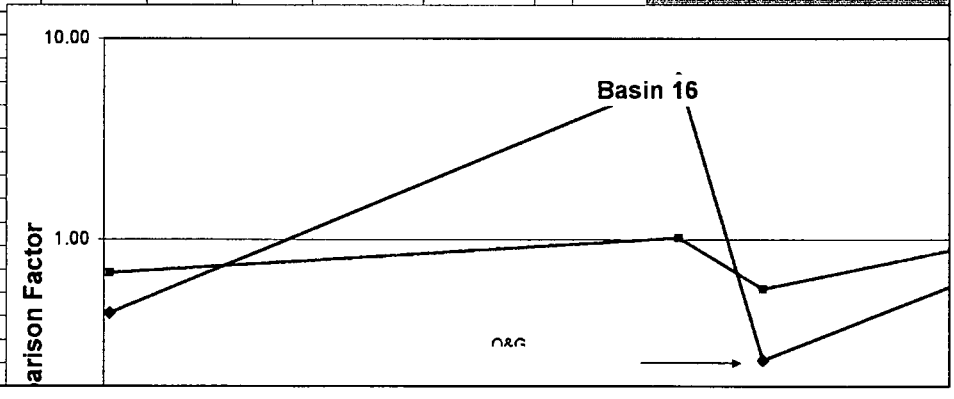


SCHN00376907

	M	N	O	P	Q	R	S	T	U	V	W
1											
2											
3		**Exceedance Factors**						Metals			
4		TSS	TPH	Copper	Lead	Zinc	Average	Average		Arsenic	Cadmium
5											
6		0.43	1.30	0.70	0.20	0.35	0.60	0.42		0.000588235	0.2
7		0.09	0.20	0.30	0.06	0.25	0.18	0.20		0.001176471	0.05
8		0.05	0.80	0.05	0.04	0.10	0.21	0.06		0.001176471	0.15
9		0.13	0.15	0.30	0.13	0.25	0.19	0.23		0.001176471	0.05
10		0.68	0.43	0.98	0.60	0.47	0.63	0.68		0.000470588	0.125
11		0.31	6.40	1.91	0.44	0.72	1.96	1.02			
12		0.49	0.25	0.90	0.24	0.57	0.49	0.57			
13		0.56	0.71	1.44	0.41	1.09	0.84	0.98			
14		0.35	0.25	0.71	0.29	0.71	0.46	0.57			
15		0.18	0.25	0.29	0.10	0.29	0.22	0.23			
16		0.49	0.37	1.50	0.46	0.60	0.68	0.85			
17		0.09	0.20	0.33	0.05	0.33	0.20	0.24			
18		0.04	0.10	0.26	0.14	0.48	0.20	0.29			
19											
20	Ave	0.34	1.01	0.83	0.27	0.49	0.59	0.53			
21											







SCHN00376908

	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
1											
2											
3											
4	Chromium	Mercury	Nickel	Average							
5											
6	0.002235294	0.01	0.001428571	0.043		9.7					
7	0.000705882	0.01	0.014285714	0.015		13.2					
8	0.000588235	0.01	0.004285714	0.033		1.9					
9	0.001176471	0.01	0.007142857	0.014		16.2					
10	0.000588235	0.04	0.005714286	0.034		19.9					
11											
12											
13											
14											
15											
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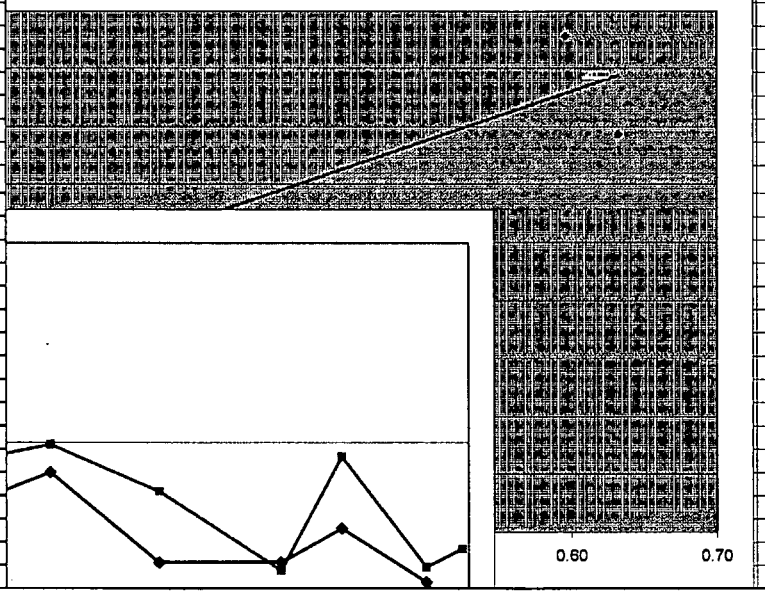
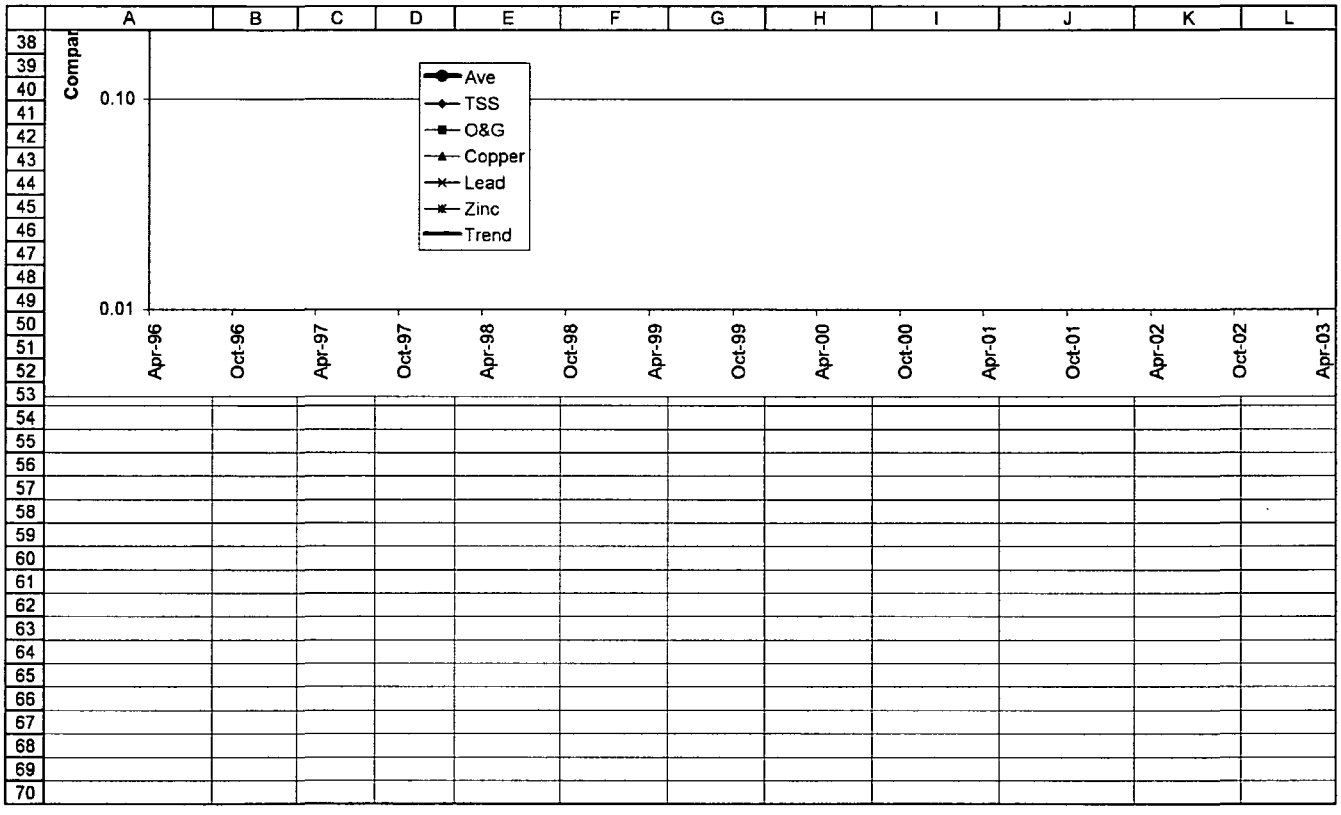
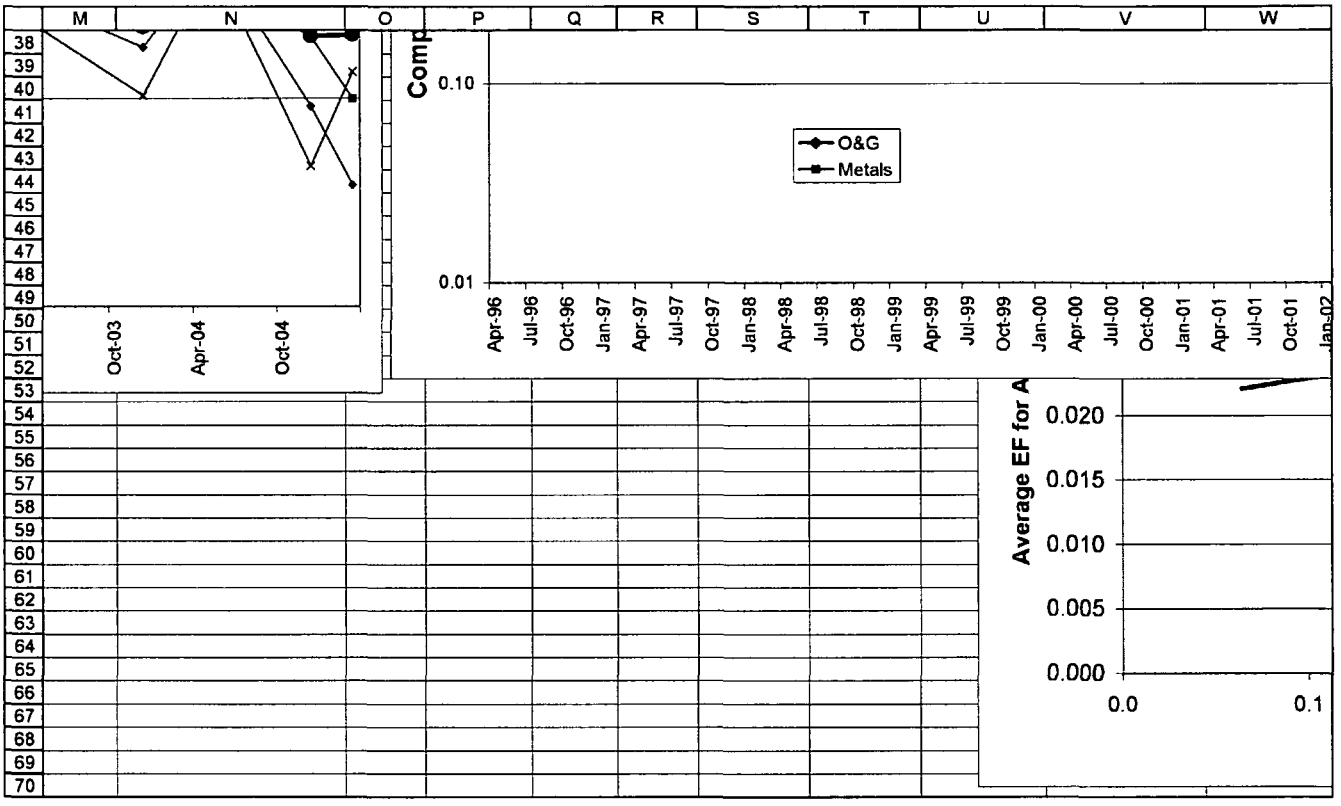


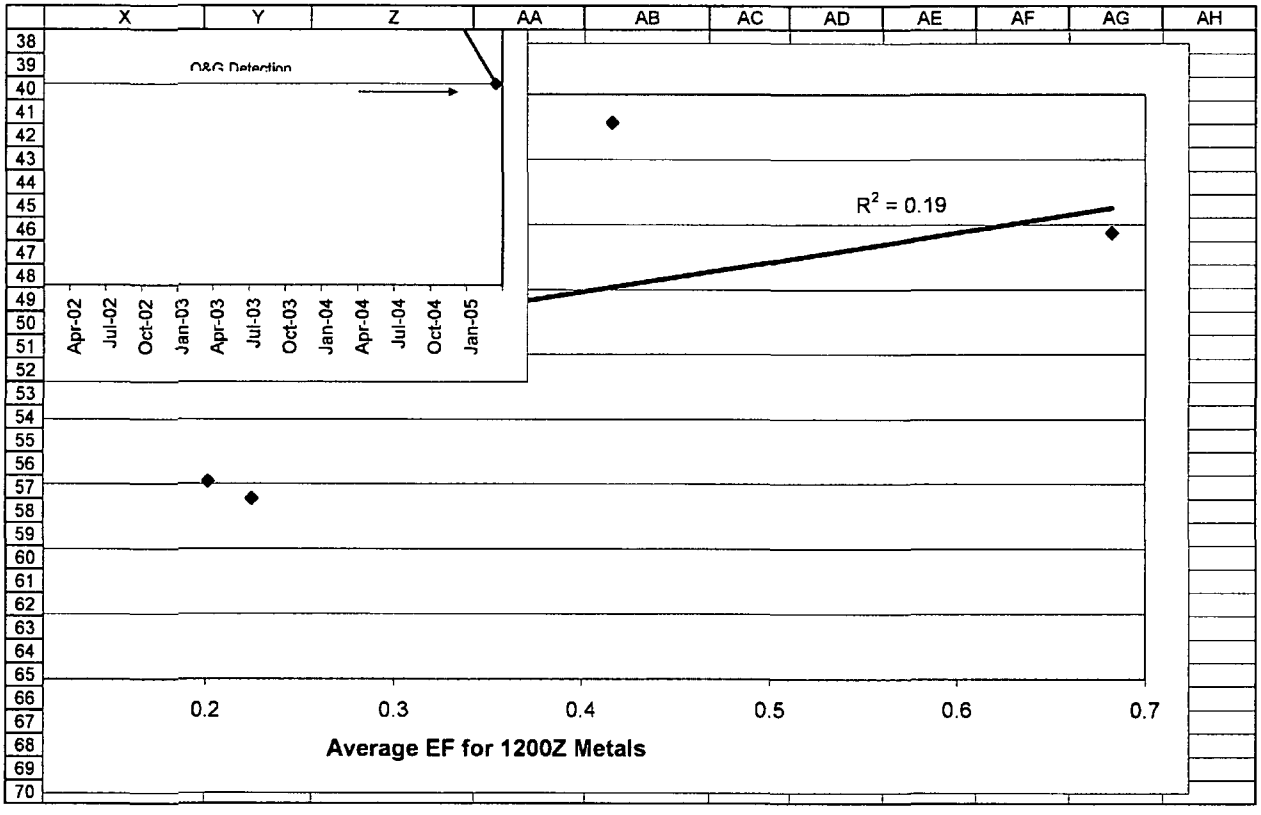
SCHN00376909



SCHN00376910

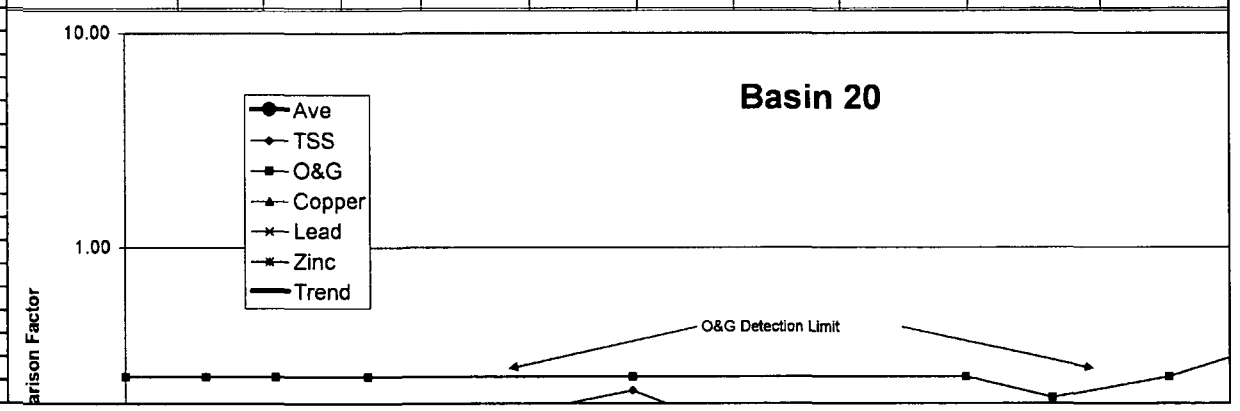


SCHN00376911



SCHN00376912

	A	B	C	D	E	F	G	H	I	J	K
1	**New Basin 20**										
2											
3	**Concentration**										
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	11/11/1999	9.45	20	2.5	0.005	0.006	0.017				
7	3/4/2000	9.4	14	2.5	0.005	0.006	0.018				
8	6/11/2000	8.45	8	2.5	0.005	0.006	0.017				
9	10/20/2000	6.95	16	2.5	0.005	0.003	0.024				
10	10/30/2001	8.23	28	2.5	0.018	0.028	0.057				
11	2/16/2003	8.44	7	2.5	0.005	0.0046	0.047				
12	6/20/2003	8.01	25	2	0.0005	0.0005	0.025				
13	12/5/2003	7.86	6	2.5	0.005	0.002	0.013				
14	5/8/2004	8.01	32	3.6	0.018	0.025	0.1				
15	12/13/2004	7.38	18	1	0.009	0.0025	0.028				
16	3/26/2005	7.92	8	1	0.019	0.027	0.29				
17	4/1/2005	6.3	44	5.3	0.0383	0.0555	0.264				0.000083
18											
19	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01
20											



SCHN00376913

	L	M	N	O	P	Q	R	S	T	U	V
1											
2											
3				**Exceedance Factors**						Metals	
4	Nickel	COD		TSS	TPH	Copper	Lead	Zinc	Average	Average	
5											
6				0.15	0.25	0.05	0.02	0.03	0.10	0.03	
7				0.11	0.25	0.05	0.02	0.03	0.09	0.03	
8				0.06	0.25	0.05	0.02	0.03	0.08	0.03	
9				0.12	0.25	0.05	0.01	0.04	0.09	0.03	
10				0.22	0.25	0.18	0.07	0.10	0.16	0.12	
11				0.05	0.25	0.05	0.01	0.08	0.09	0.05	
12				0.19	0.20	0.01	0.001	0.04	0.09	0.02	
13				0.05	0.25	0.05	0.005	0.02	0.07	0.03	
14				0.25	0.36	0.18	0.063	0.17	0.20	0.14	
15				0.14	0.10	0.09	0.006	0.05	0.08	0.05	
16				0.06	0.10	0.19	0.068	0.48	0.18	0.25	
17		38		0.34	0.53	0.38	0.139	0.44	0.37	0.32	
18											
19	7		Ave	0.14	0.25	0.11	0.03	0.13	0.13	0.09	
20											
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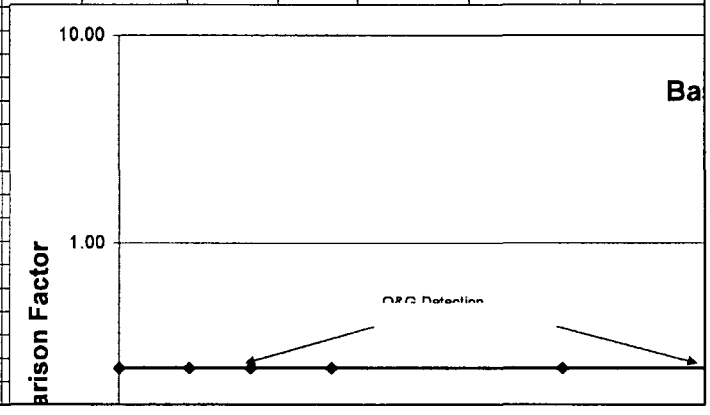

	W	X	Y	Z	AA	AB
1						
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4				Mercury		
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17				0.000083		
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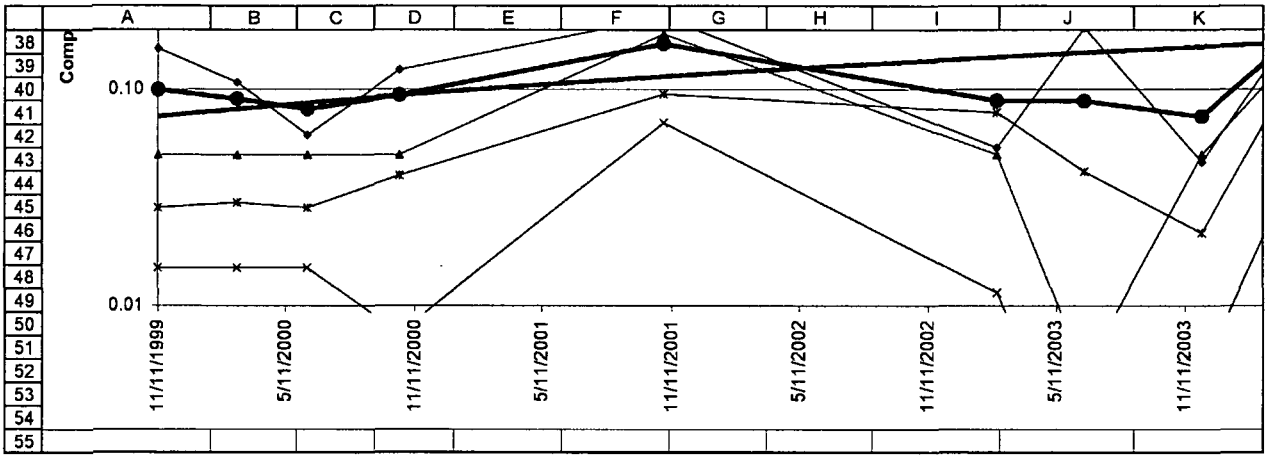
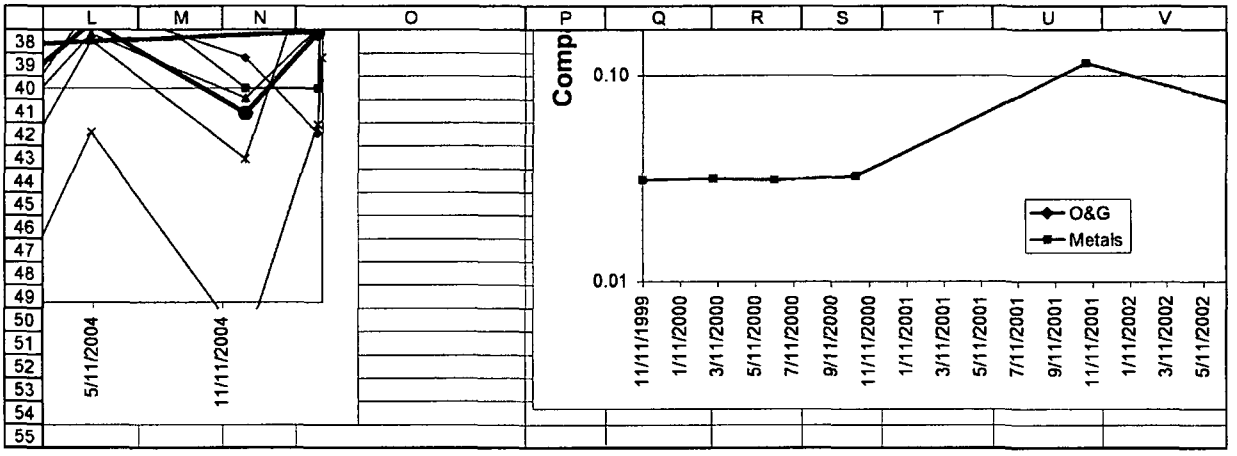
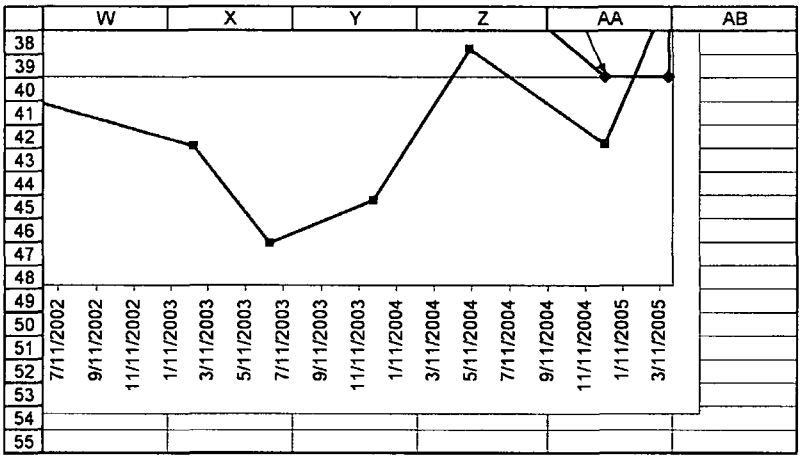


SCHN00376916



SCHN00376917


W
X
Y
Z
AA
AB
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9/11/2004
11/11/2004
1/11/2005
3/11/2005

	A	B	C	D	E	F	G	H	I	J	K
1											
2		All Parameters									
3	Old Basin	1	2	3	4	5/6	7	14	15	16	20
4	New Basin	1	2	3	4	5	6	14	15	16	20
5											
6	12/14/1993		0.54	1.32	0.47	0.71	0.11	0.76	0.12	0.60	0.10
7	12/14/1994		4.23	0.28	0.42	0.78	0.20	0.79	0.20	0.18	0.09
8	2/17/1995		0.45	4.79	1.02	0.77	0.37	0.72	0.51	0.21	0.08
9	11/27/1995		3.86	0.30	0.25	0.60	0.58	4.23	1.18	0.19	0.09
10	4/12/1996		5.91	1.50	3.02	1.18	0.59	0.44	0.93	0.63	0.16
11	11/18/1996		7.85	1.61	9.08	1.98					
12	5/28/1997		0.09	0.13	0.23	0.23					
13	12/9/1997		3.50	2.20	3.19	3.87	2.23				
14	5/20/1998		4.26	2.45	10.06	2.26	1.05				
15	11/23/1998		5.43	15.09	3.54	7.04	0.54				
16	5/3/1999		1.08	0.26	0.47	0.17	0.09				
17	11/11/1999		5.19	2.50	4.90	2.29	0.12	0.56			0.10
18	3/4/2000		2.20	1.32	0.47	0.78	0.23	0.93		1.96	0.09
19	6/11/2000		1.54	0.69	0.29	0.16	0.10				0.08
20	10/20/2000		0.38	2.42	0.73	4.24	0.11			0.49	0.09
21	10/30/2001		0.71	0.43	0.16	0.16	0.28	1.23			0.16
22	5/22/2002		0.72	0.13		0.09	0.23			0.84	
23	2/16/2003	0.50		1.49	0.55	0.17	0.07		0.38	0.46	0.09
24	6/20/2003			0.04	0.23			0.70			0.09
25	12/5/2003	0.644679487		0.53	0.12	0.232578205	0.143121795	0.13		0.222467949	0.07
26	5/8/2004	0.543948718		0.24	0.14	0.158974359	0.069679487		1.32	0.683961538	0.20
27	12/13/2004	2.13		1.82	0.64	1.09	0.14	0.24		0.20	0.08
28	3/26/2005	0.63		0.43	0.50	0.60	0.10		0.39	0.20	0.18
29	4/1/2005			2.88		1.37	0.55				0.37
30	5/10/2005			1.22		0.80	0.55				
31											
32	Average	0.89	2.82	1.84	1.84	1.32	0.38	0.98	0.63	0.53	0.12
33											
34											
35											
36											
37											

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1														
2			Metals Only											
3			1	2	3	4	5/6	7	14	15	16	20		
4	Average		1	2	3	4	5	6	14	15	16	20	Average	
5														
6	0.53			0.68	1.71	0.16	0.48	0.03	0.82	0.09	0.42		0.55	
7	0.80			5.03	0.24	0.53	0.61	0.18	0.74	0.22	0.20		0.97	
8	0.99			0.59	6.47	0.66	0.76	0.17	0.83	0.42	0.06		1.24	
9	1.25			4.99	0.38	0.21	0.47	0.19	5.41	0.92	0.23		1.60	
10	1.60			7.83	1.74	1.90	0.86	0.53	0.48	0.99	0.68		1.88	
11														
12														
13	3.00			4.02	3.03	5.07	5.75	2.25					4.02	
14	4.02			6.14	3.68	15.65	2.96	0.90					5.86	
15	6.33			7.56	24.33	2.42	10.62	0.65					9.12	
16	0.41			1.34	0.34	0.69	0.19	0.05					0.52	
17	2.24			7.61	3.64	7.13	2.90	0.03	0.51			0.03	3.12	
18	1.00			3.02	1.92	0.61	0.98	0.17	1.22		1.02	0.03	1.12	
19	0.48			2.03	0.84	0.37	0.15	0.08			0.57	0.03	0.58	
20	1.21			0.28	3.49	1.05	5.60	0.09				0.03	1.76	
21	0.45			0.98	0.53	0.18	0.16	0.29	1.57			0.12	0.55	
22	0.40			0.74	0.11		0.05	0.16			0.98		0.41	
23	0.46				1.64	0.83	0.18	0.02		0.38	0.57	0.05	0.52	
24	0.26				0.02	0.02			0.94			0.02	0.25	
25	0.26		0.67		0.74	0.12	0.18	0.09	0.12		0.23	0.03	0.27	
26	0.42		0.64		0.27	0.15	0.16	0.06		1.30	0.85	0.14	0.45	
27	0.79		2.46		2.38	0.85	1.41	0.17	0.28		0.24	0.05	0.98	
28	0.38		0.63		0.66	0.75	0.82	0.06		0.36	0.29	0.25	0.48	
29	1.29				4.08		1.78	0.09				0.32	1.57	
30	0.86				1.61		1.00	0.02					0.88	
31														
32	1.28		1.10	3.52	2.78	1.97	1.73	0.28	1.17	0.58	0.49	0.09	1.68	
33														
34														
35														
36														
37														

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1													
2	O&G Only												Early Parameters
3	1	2	3	4	5/6	7	14	15	16	20			1
4	1	2	3	4	5	6	14	15	16	20	Average		1
5													
6		0.40	0.25	0.60	1.20	0.25	0.60	0.25	1.30		0.61		
7		2.00	0.60	0.25	0.80	0.25	1.10	0.25	0.20		0.68		
8		0.25	1.90	1.20	0.93	0.70	0.80	1.10	0.80		0.96		
9		1.10	0.15	0.15	0.38	0.40	1.40	2.70	0.15		0.80		
10		0.53	0.35	0.19	0.30	0.35	0.31	0.86	0.43		0.42		
11													
12													
13		4.00	1.20	0.25	1.43	0.90					1.56		
14		1.26	0.51	0.57	0.36	0.45					0.63		
15		2.30	0.90	1.80	0.85	0.60					1.29		
16		1.20	0.25	0.25	0.25	0.25					0.44		
17		1.60	0.90	0.90	1.25	0.25	1.2			0.25	0.91		
18		0.70	0.25	0.25	0.43	0.25	0.25		6.4	0.25	1.10		
19		1.20	0.82	0.25	0.25	0.25				0.25	0.50		
20		0.96	1.00	0.25	0.25	0.25			0.25	0.25	0.46		
21		0.50	0.50	0.25	0.25	0.25	0.25			0.25	0.32		
22		1.30	0.25		0.25	0.25			0.71		0.55		
23			1.70	0.25	0.25	0.25		0.51	0.25	0.25	0.49		
24			0.10	0.70			0.4			0.20	0.35		
25	0.74		0.25	0.25	0.53	0.25	0.25		0.25	0.25	0.35		
26	0.67		0.32	0.23	0.26	0.10		0.89	0.37	0.36	0.40		
27	1.12		0.96	0.31	0.44	0.10	0.24		0.20	0.10	0.43		
28	0.37		0.10	0.10	0.10	0.10		0.60	0.10	0.10	0.20		
29			0.51		0.51	2.41				0.53	0.99		
30			0.36		0.10	0.10					0.19		
31													
32	0.73	1.29	0.61	0.45	0.52	0.41	0.62	0.90	0.88	0.25	0.64		
33													
34													
35													
36													
37													

	AM	AN	AO	AP	AQ	AR	AS	AT	AU
1									
2									
3	2	3	4	5/6	7	14	15	16	20
4	2	3	4	5	6	14	15	16	20
5									
6	0.042495798	0.105	0.022801681	0.028	0.012401681	0.023201681	0.012542857	0.04285042	
7	0.30445042	0.014	0.014260504	0.039	0.01389916	0.033368067	0.014090756	0.015233613	
8	0.042589916	0.375	0.023818487	0.044	0.01389916	0.04172437	0.013089076	0.033210084	
9	0.10389916	0.014	0.014134454	0.019	0.014369748	0.204957983	0.040369748	0.01389916	
10	0.31112605	0.028	0.270010084	0.040	0.032821849	0.028156303	0.050810084	0.034354622	
11	0.389322689	0.066	0.336203361	0.039					
12	0.142991597	0.025	0.025462185	0.026					
13	0.206453782	0.136	0.025968067	0.155					
14									
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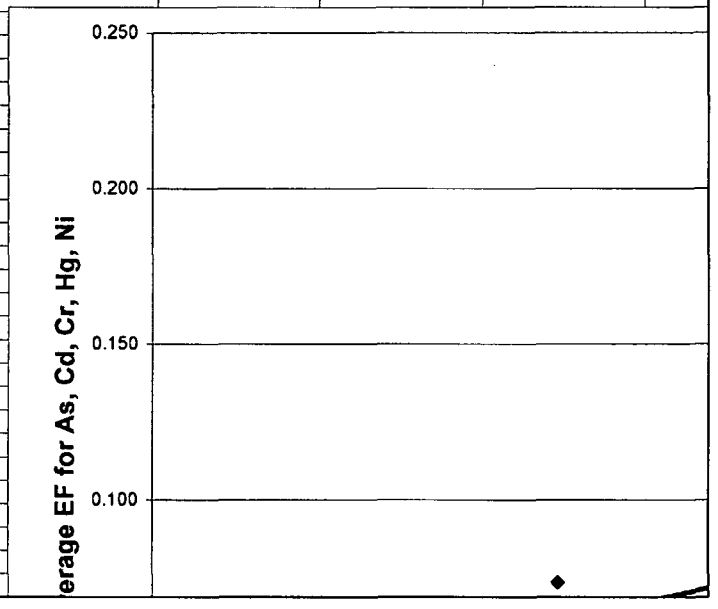
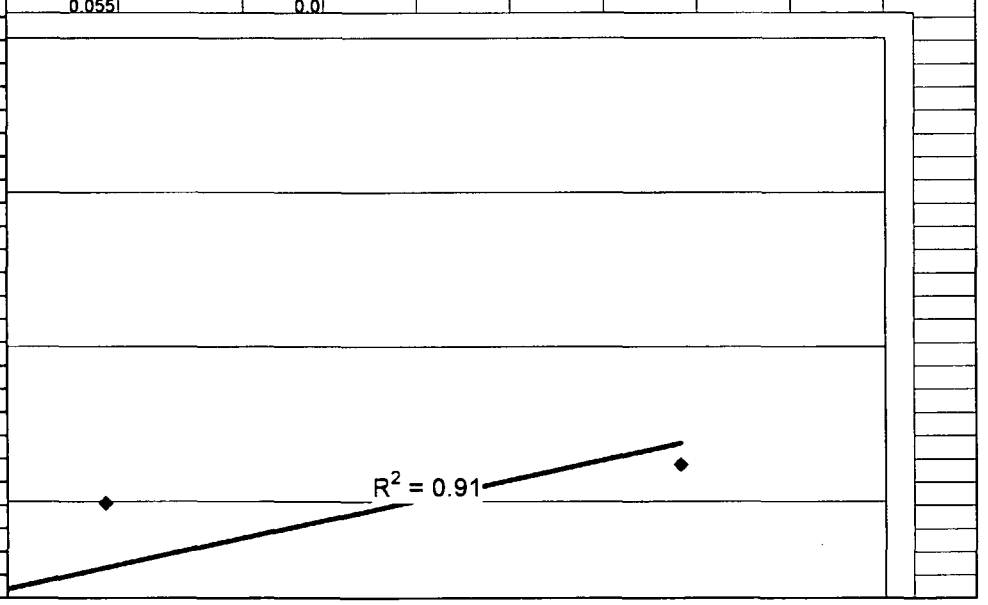
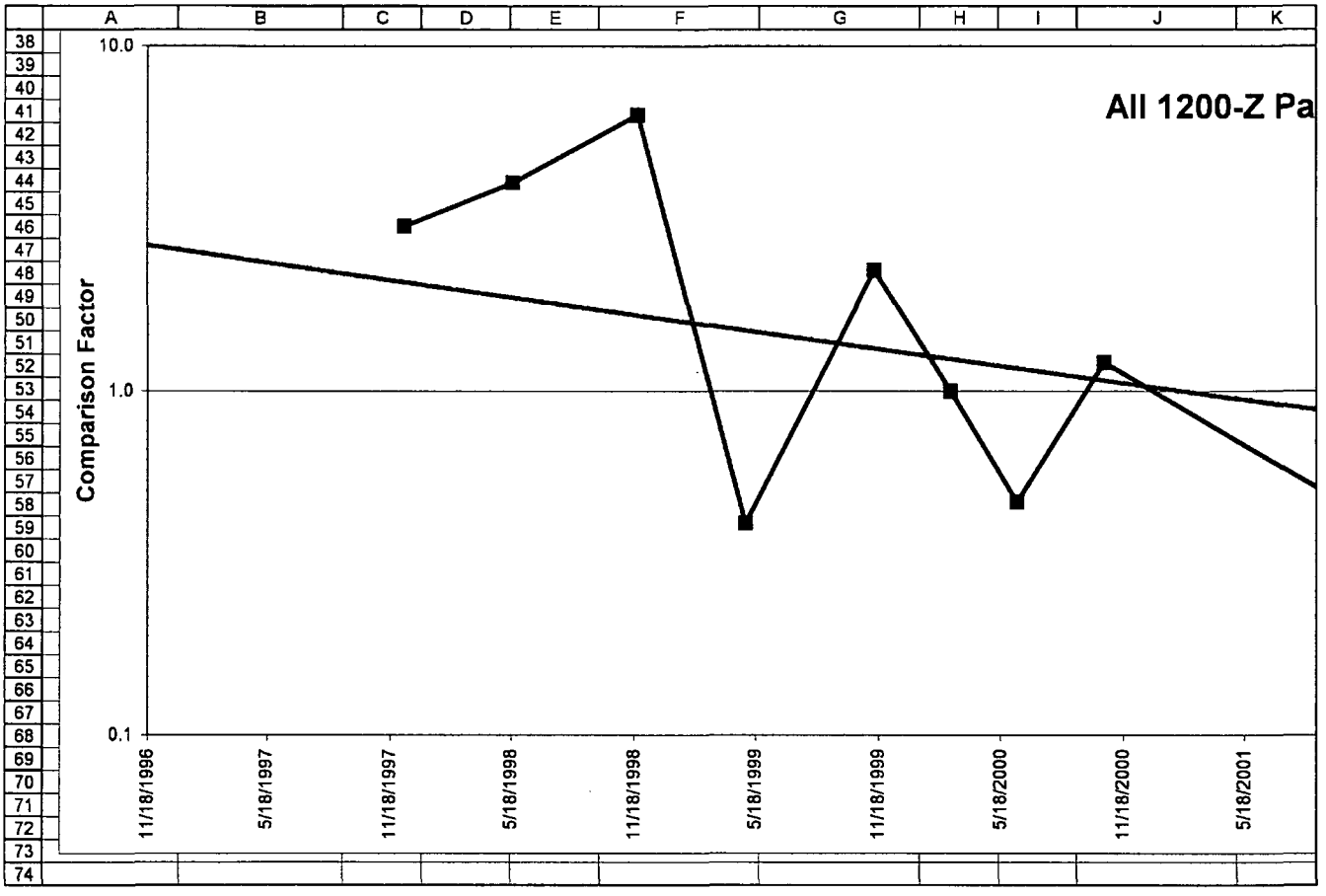


SCHN00376922

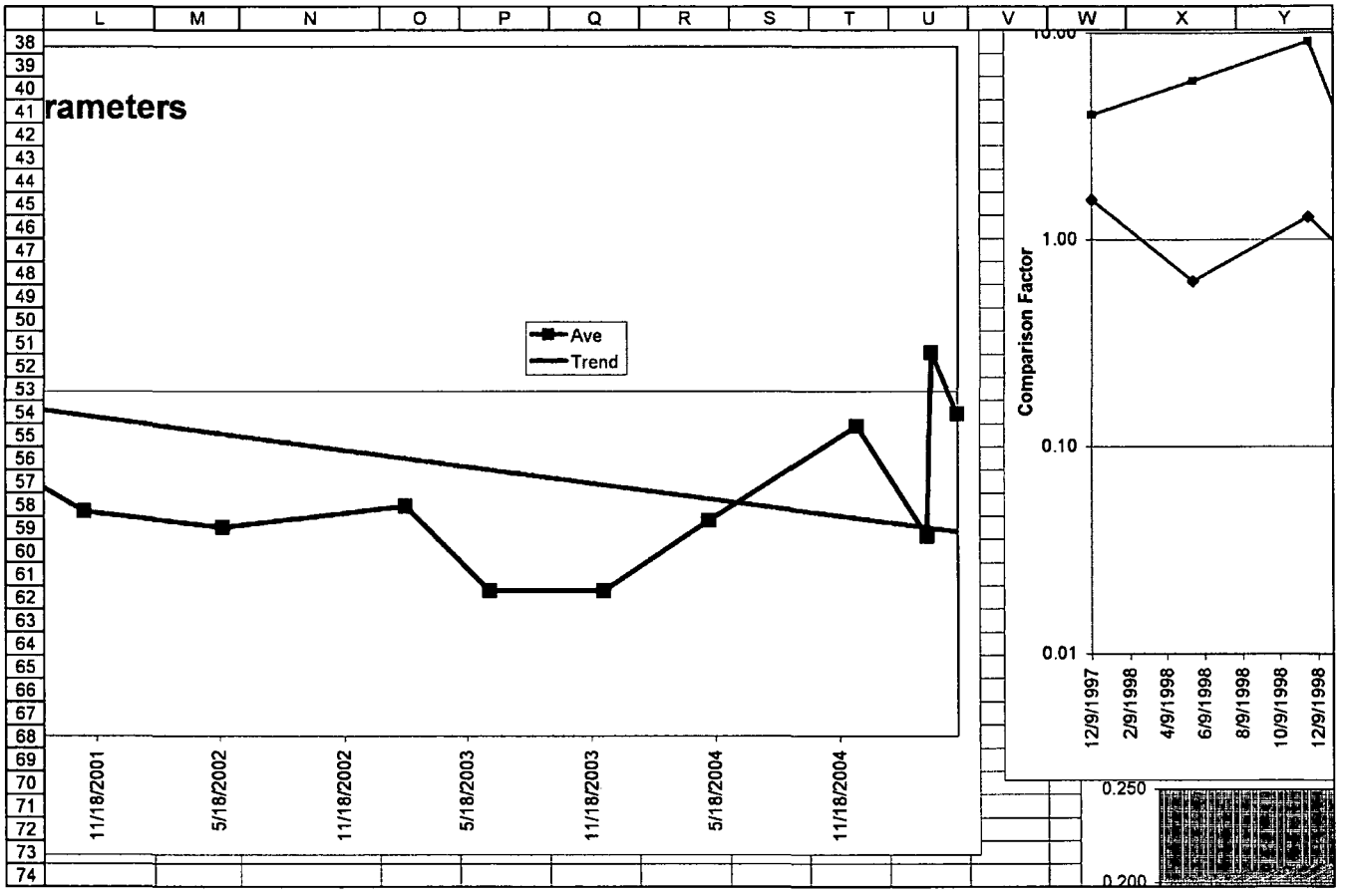
	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE
1										
2										
3										
4	Average									
5										
6	0.036		16.8							
7	0.056		12.2							
8	0.073		13.1							
9	0.053		15.1							
10	0.099		4.2							
11	0.208		0.0							
12	0.055		0.0							



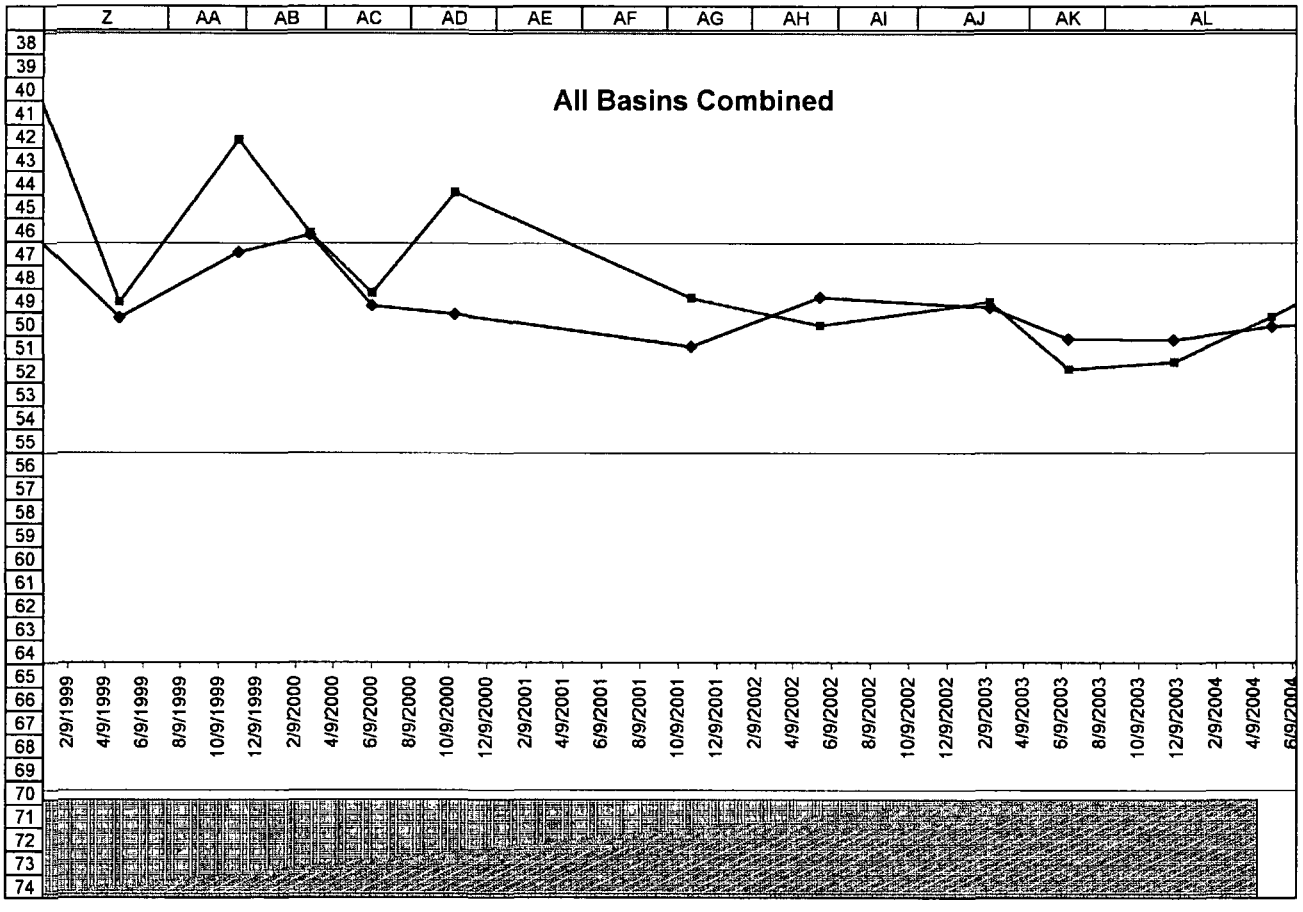
SCHN00376923



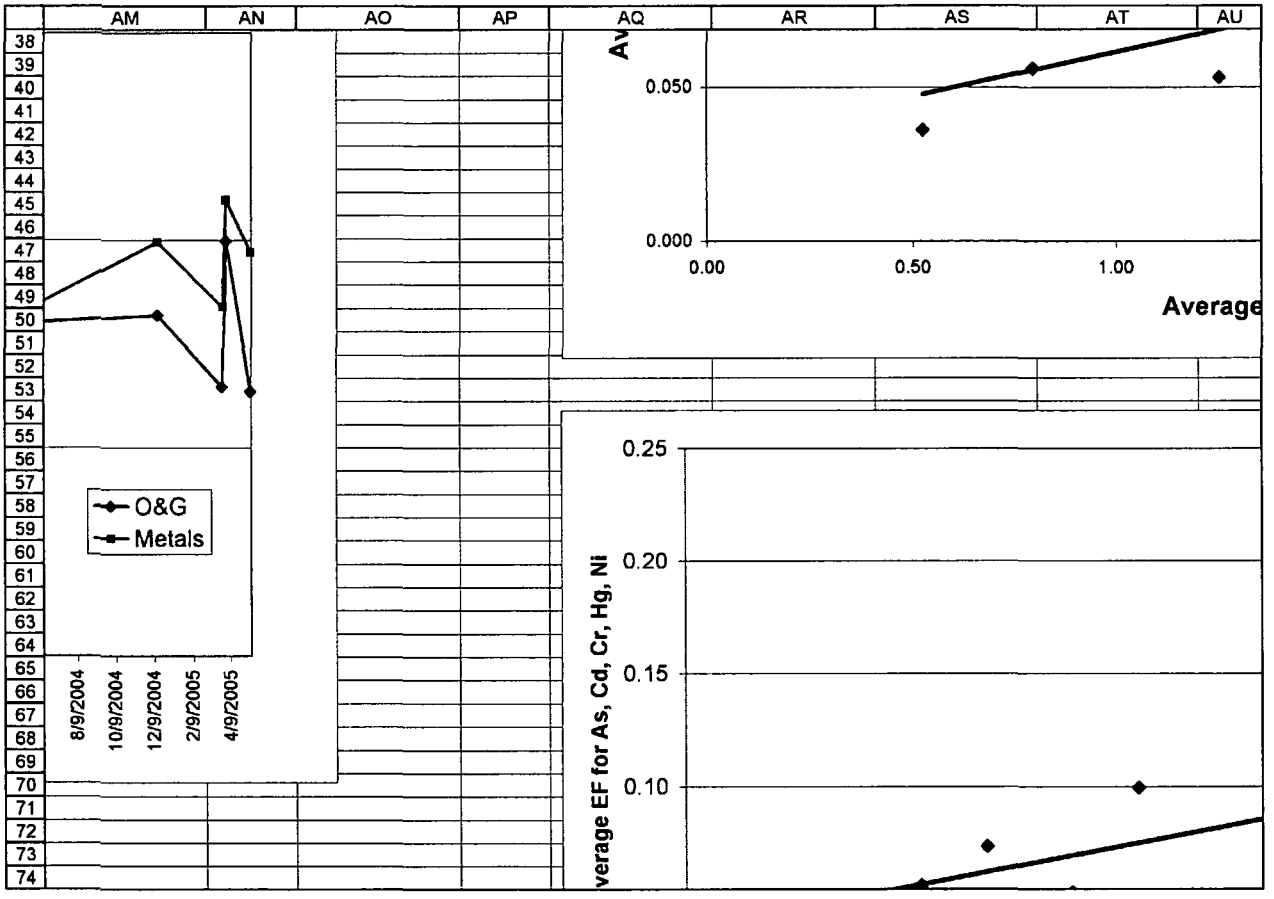
SCHN00376924



SCHN00376925



SCHN00376926



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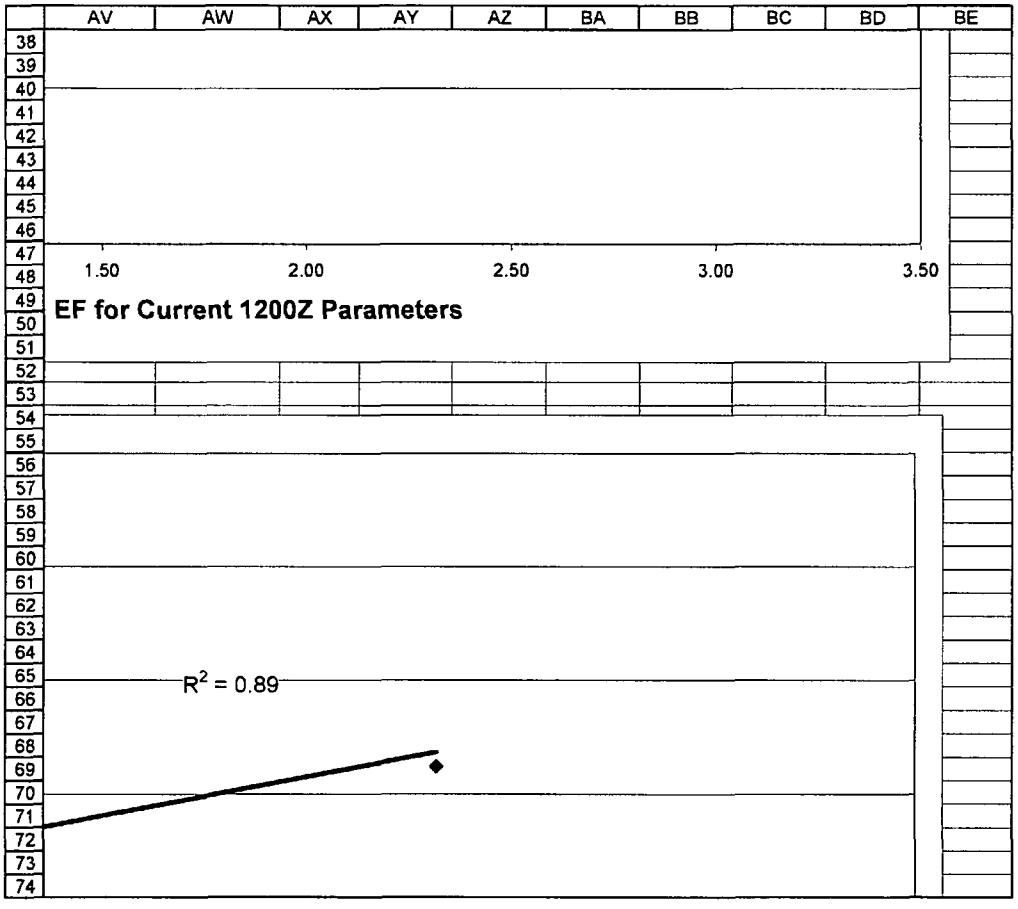

SCHN00376928

	A	B	C	D	E	F	G	H	I	J	K
75											
76											
77											
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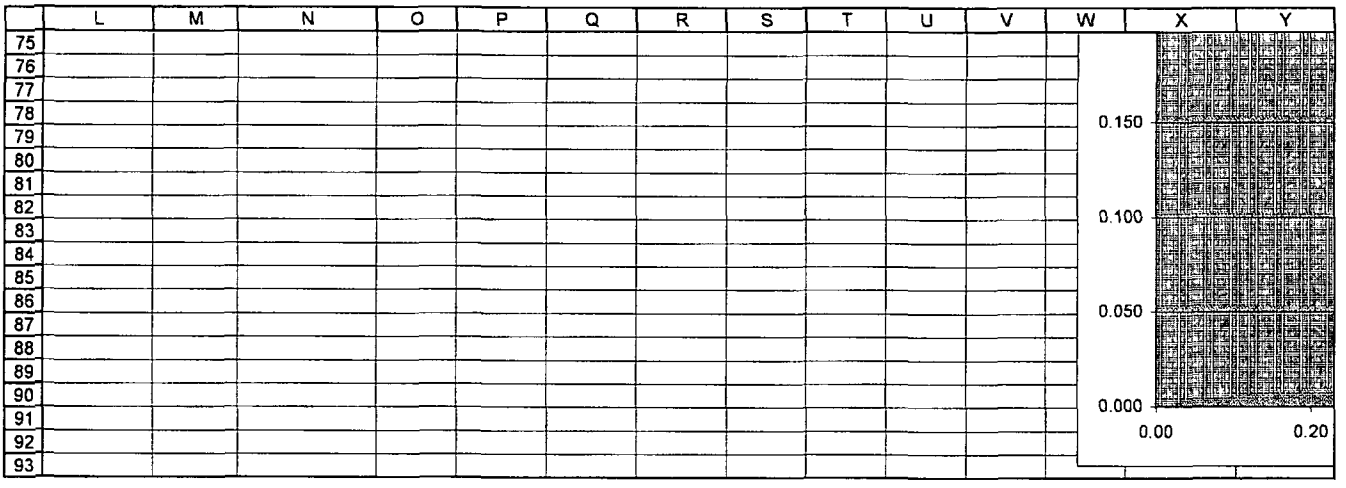
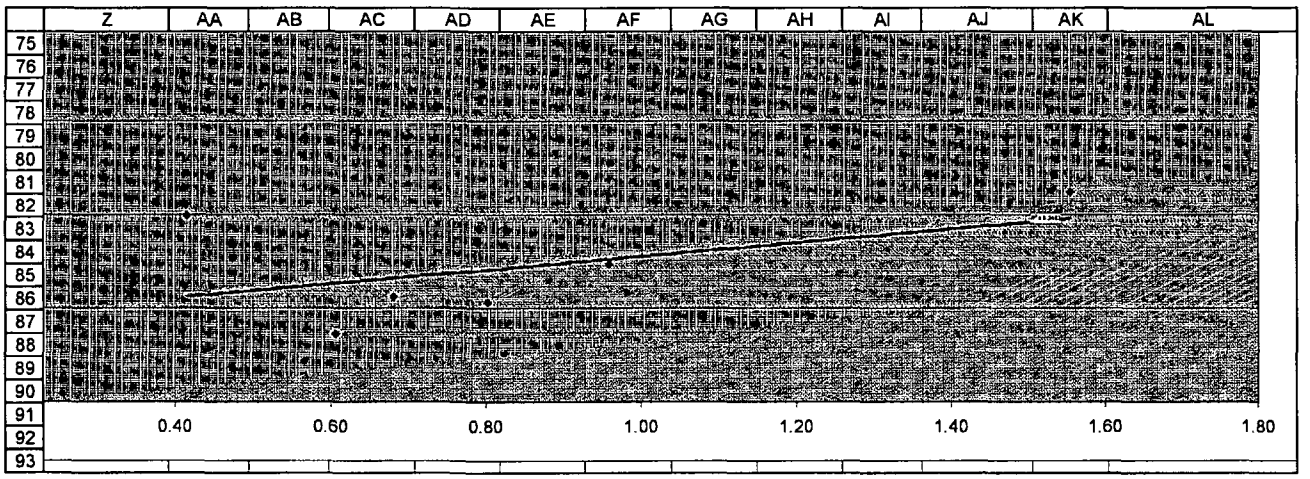
91											
92											
93											



SCHN00376930



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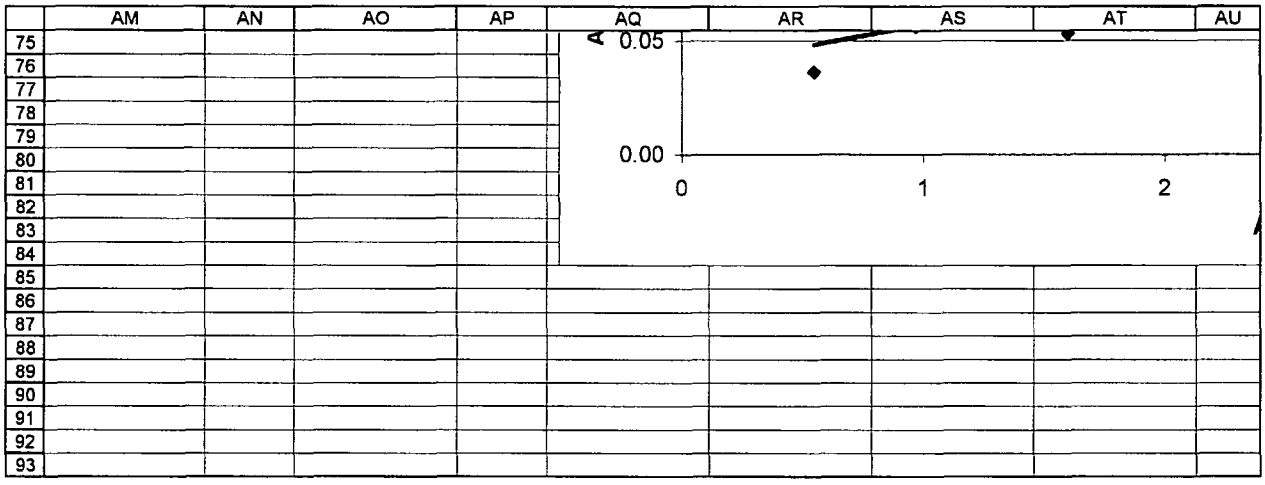

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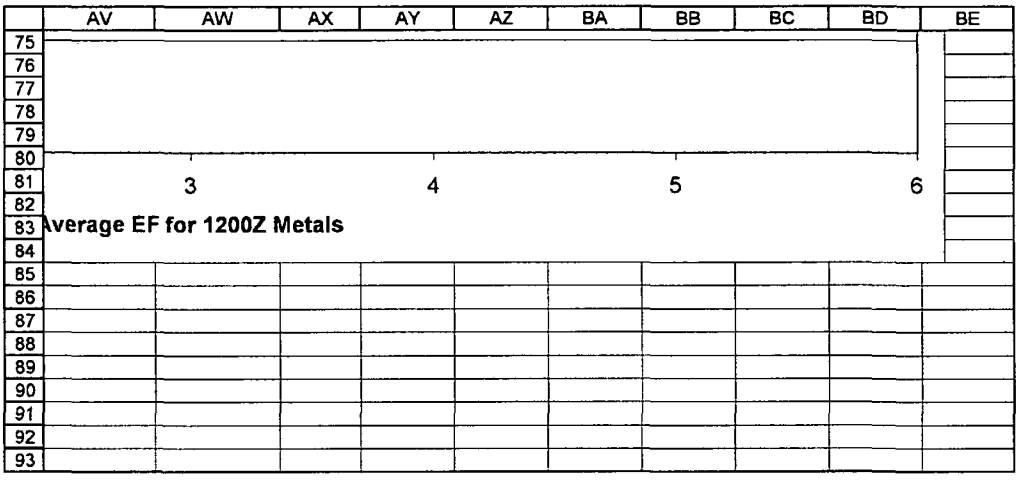

SCHN00376933

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1																
2																
3																
4	Outfall	Date	pH	TSS		TPH		Copper		Lead		Zinc		Arsenic		Cadmium
5																
6	2	12/14/1993	8.3	32		4		0.06		0.11		0.7		0.005	U	0.004
7	2	12/14/1994	8.43	530		20		0.34		0.74		5.9		0.01	U	0.026
8	2	2/17/1995	7.32	32		5	U	0.05		0.08		0.64		0.01	U	0.004
9	2	11/27/1995	7.6	420		11		0.42		0.78		5.3		0.01	U	0.007
10	2	4/12/1996	7.9	720		5.3		0.6		1.2		8.7		0.013		0.024
11	2	11/18/1996	8.17	1280		13.5		0.679		1.57		10.4		0.008		0.03
12	2	5/28/1997	7.66	6		5	U			0.002		0.03		0.005	U	0.004
13	2	12/9/1997	7.62	184		40		0.31		0.806		4.47		0.005	U	0.016
14	2	5/20/1998	7.64	208		12.6		0.624		1.06		5.72				
15	2	11/23/1998	7.56	280		23		0.725		1.06		7.67				
16	2	5/3/1999	7.21	23		12		0.085		0.126		1.71				
17	2	11/11/1999	7.61	200		16		0.663		1.23		7.87				
18	2	3/4/2000	7.79	160		7		0.323		0.396		2.91				
19	2	6/11/2000	7.64	54		12		0.229		0.301		1.82				
20	2	10/20/2000	7.31	13		9.6		0.03		0.019		0.287				
21	2	10/30/2001	7.04	14		5		0.081		0.153		1.04				
22	2	5/22/2002	7.22	13		13		0.17		0.024		0.268				
23	3	12/14/1993	8.03	160		5	U	0.025		0.42		2.3		0.005		0.01
24	3	12/14/1994	7.52	8		6		0.04		0.025		0.16		0.01	U	0.002
25	3	2/17/1995	8.15	340		19		0.55		1.1		8.7		0.013		0.031
26	3	11/27/1995	7.5	27		3	U	0.08		0.05		0.24		0.01	U	0.002
27	3	4/12/1996	8.4	250		3.5		0.14		0.26		1.9		0.002		0.005
28	3	11/18/1996	7.91	304		8.2		0.17		0.318		1.45		0.005	U	0.004
29	3	5/28/1997	7.77	13		5	U			0.015		0.08		0.005	U	0.004
30	3	12/9/1997	7.53	96		12		0.267		0.424		3.21		0.005	U	0.011
31	3	5/20/1998	7.96	94		5.1		0.585		0.394		2.51				
32	3	11/23/1998	6.87	200		9		7.08		0.344		0.806				
33	3	5/3/1999	7.09	5	U	5	U	0.051		0.027		0.262				
34	3	11/11/1999	7.42	88		9		0.383		0.56		3.42				
35	3	3/4/2000	7.58	77		5	U	0.216		0.24		1.8				
36	3	6/11/2000	7.65	15		8.2		0.144		0.109		0.485				
37	3	10/20/2000	8.2	82		10		0.554		0.441		2.3				
38	3	10/30/2001	7.19	10		5		0.099		0.07		0.252				
39	3	5/22/2002	7.38	11		5	U	0.019		0.002	U	0.076				
40	4	12/14/1993	6.85	170		6		0.01	U	0.08		0.16		0.007		0.002
41	4	12/14/1994	7.74	30		5	U	0.13		0.033		0.13		0.01	U	0.002
42	4	2/17/1995	7.84	250		12		0.08		0.18		0.43		0.01	U	0.002
43	4	11/27/1995	7	64		3	U	0.02		0.05		0.18		0.01	U	0.002
44	4	4/12/1996	8.1	1200		1.9		0.19		0.32		1.8		0.006		0.005
45	4	11/18/1996	8.39	1350		18		1.32		2.76		7.87		0.014		0.03
46	4	5/28/1997	7.71	58		5	U			0.025		0.1		0.005	U	0.004
47	4	12/9/1997	8.41	65		5	U	1.39		0.146		0.56		0.005	U	0.004
48	4	5/20/1998	7.74	360		5.7		4.23		0.456		2.1				
49	4	11/23/1998	8.75	1120		18		0.499		0.26		0.973				
50	4	5/3/1999	7.06	5	U	5	U	0.197		0.003		0.064				
51	4	11/11/1999	8.46	287		9		2		0.138		0.634				
52	4	3/4/2000	10.35	36		5	U	0.138		0.039		0.218				

	Q	R	S	T	U	V	W
1							
2							
3							
4		Chromium		Mercury		Nickel	
5							
6		0.01		0.0002	U	0.01	U
7		0.082		0.002		0.08	
8		0.009		0.0002	U	0.01	U
9		0.18		0.0014		0.1	U
10		0.14		0.0029		0.13	
11		0.209		0.004		0.141	
12	U	0.005	U	0.0005	U	0.02	U
13		0.041		0.0022		0.048	
14							
15							
16							
17							
18							
19							
20							
21							
22							
23		0.053		0.0002	U	0.05	
24	U	0.004		0.0002	U	0.1	U
25		0.15		0.0029		0.11	
26	U	0.01		0.0002	U	0.1	U
27	U	0.026		0.0002	U	0.027	
28		0.058		0.0008		0.03	
29	U	0.005	U	0.0005	U	0.02	U
30		0.023		0.0012		0.034	
31							
32							
33							
34							
35							
36							
37							
38							
39							
40		0.014		0.0002	U	0.01	U
41	U	0.08		0.0002	U	0.01	U
42		0.043		0.0002	U	0.02	
43	U	0.02		0.0002	U	0.1	U
44	U	0.054		0.0007		0.044	
45		0.3		0.0118		0.227	
46	U	0.005	U	0.0005	U	0.02	U
47	U	0.024		0.0005	U	0.02	U
48							
49							
50							
51							
52							

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
53	4	6/11/2000	7.75	11		5	U	0.101		0.008		0.039				
54	4	10/20/2000	7.11	30		5	U	0.296		0.02		0.088				
55	4	10/30/2001	7.94	5	U	5	U	0.045		0.014		0.04				
56	5	12/14/1993	7.77	110		13		0.08		0.14		0.49		0.005	U	0.004
57	5	12/14/1994	7.46	280		8		0.12		0.3		0.74		0.01	U	0.005
58	5	2/17/1995	9.8	28		5	U	0.01	U	0.005		0.03		0.01	U	0.002
59	5	11/27/1995	8.5	280		6		0.12		0.22		0.54		0.01	U	0.002
60	5	4/12/1996	8.6	250		4.1		0.15		0.35		0.74		0.005		0.005
61	5	11/18/1998	8.34	860		14.8		0.198		0.481		1.27		0.006		0.004
62	5	12/9/1997	8.49	73		26		1.81		1.39		3.93		0.005	U	0.018
63	5	5/20/1998	7.6	130		3.3		0.431		0.562		1.81				
64	5	11/23/1998	8.36	220		9		4.76		0.284		0.49				
65	5	5/3/1999	7.04	5	U	5	U	0.022		0.008		0.074				
66	5	11/11/1999	7.2	113		11		0.232		0.24		1.57				
67	5	3/4/2000	7.91	112		6		0.214		0.228		1.38				
68	5	6/11/2000	7.6	11		5	U	0.031		0.032		0.197				
69	5	10/20/2000	8.39	206		5	U	0.24		0.375		1.51				
70	6	12/14/1993	7.72	130		11		0.06		0.06		0.11		0.005	U	0.001
71	6	12/14/1994	8.88	54		8		0.03		0.031		0.06		0.01	U	0.002
72	6	2/17/1995	7.81	140		16		0.18		0.33		1.2		0.01	U	0.004
73	6	11/27/1995	7.3	24		3	U	0.01	U	0.02		0.05		0.01	U	0.002
74	6	4/12/1996	8.5	540		1.9		0.08		0.11		0.29		0.005		0.005
75	6	11/18/1998	8.56	368		5.4		0.113		0.265		0.72		0.005	U	0.004
76	6	5/28/1997	9.33	52		5	U			0.036		0.11		0.006		0.004
77	6	12/9/1997	9.98	101		5	U	0.565		0.115		0.28		0.005	U	0.004
78	6	5/20/1998	7.98	412		3.9		0.801		0.16		0.56				
79	6	11/23/1998	8.97	420		8		1.27		0.256		0.757				
80	6	5/3/1999	7.05	5	U	5	U	0.073		0.004		0.012				
81	6	11/11/1999	9.14	272		14		1.12		0.063		0.274				
82	6	3/4/2000	9.8	26		5	U	0.079		0.012		0.031				
83	6	6/11/2000	7.98	13		5	U	0.018		0.003		0.01	U			
84	6	10/20/2000	8.3	880		5	U	2.6		0.23		0.688				
85	7	12/14/1993	8.24	25		5	U	0.01	U	0.01		0.01	U	0.005	U	0.002
86	7	12/14/1994	9.71	32		5	U	0.04		0.017		0.05		0.01	U	0.002
87	7	2/17/1995	8.77	80		7		0.02		0.064		0.09		0.01	U	0.002
88	7	11/27/1995	9.1	250		4		0.02		0.05		0.15		0.01	U	0.002
89	7	4/12/1996	9.2	130		3.5		0.073		0.14		0.3		0.006		0.005
90	7	12/9/1997	8.87	452		9		0.505		0.263		0.63		0.005	U	0.004
91	7	5/20/1998	8.16	270		4.5		0.203		0.078		0.29				
92	7	11/23/1998	8.15	19		6		0.132		0.088		0.237				
93	7	5/3/1999	7.47	8		5	U	0.012		0.003		0.011				
94	7	11/11/1999	9.45	35		5	U	0.01	U	0.006		0.017				
95	7	3/4/2000	8.52	49		5	U	0.029		0.036		0.085				
96	7	6/11/2000	8.16	5	U	5	U	0.014		0.011		0.038				
97	7	10/20/2000	7.75	8		5	U	0.014		0.015		0.048				
98	7	10/30/2001	8.1	36		5	U	0.034		0.059		0.231				
99	7	5/22/2002	8.42	59		5	U	0.025		0.016		0.106				
100	9	12/14/1993	8.64	330		5	U	0.15		0.68		0.81		0.005	U	0.03
101	10	12/14/1994	7.75	10		5	U	0.01	U	0.005		0.05		0.01	U	0.002
102	11?	12/14/1993	9.55	85		5	U	0.01	U	0.3		0.12		0.005	U	0.002
103	11?	12/14/1994	7.66	76		5		0.05		0.056		0.13		0.01	U	0.002
104	11?	2/17/1995	8.86	180		5	U	0.04		0.08		0.14		0.01	U	0.002

	Q	R	S	T	U	V	W
53							
54							
55							
56		0.025		0.0002	U	0.01	U
57		0.048		0.0002	U	0.05	
58	U	0.01	U	0.0002	U	0.02	U
59	U	0.05		0.0006		0.1	U
60	U	0.039		0.001		0.033	
61	U	0.086		0.0013		0.062	
62		0.188		0.0048		0.113	
63							
64							
65							
66							
67							
68							
69							
70		0.01		0.0002	U	0.01	U
71	U	0.013		0.0002	U	0.1	U
72		0.058		0.0016		0.06	
73	U	0.01	U	0.0002	U	0.1	U
74	U	0.023		0.0003		0.033	
75	U	0.042		0.0011		0.03	
76	U	0.022		0.0005	U	0.02	U
77	U	0.021		0.0005	U	0.02	U
78							
79							
80							
81							
82							
83							
84							
85	U	0.006		0.0002	U	0.01	U
86	U	0.01		0.0002	U	0.1	U
87	U	0.01		0.0002	U	0.1	U
88	U	0.03		0.0002	U	0.1	U
89	U	0.029		0.0003		0.03	
90	U	0.031		0.0008		0.02	U
91							
92							
93							
94							
95							
96							
97							
98							
99							
100		0.048		0.0015		0.01	U
101	U	0.01	U	0.0002	U	0.1	U
102	U	0.011		0.0002	U	0.01	U
103	U	0.014		0.0002	U	0.1	U
104	U	0.01		0.0002	U	0.1	U

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
105	11?	11/27/1995	9.1	200		3		0.07		0.09		0.2		0.01	U	0.002
106	11?	4/12/1996	9.2	1200		5.4		0.27		0.54		1		0.021		0.005
107	12?	12/14/1993	7.7	70		5	U	0.2		0.39		0.87		0.005	U	0.003
108	12?	12/14/1994	7.32	65		7		0.19		0.32		0.6		0.006		0.003
109	12?	2/17/1995	7.73	140		10		0.35		0.78		1.1		0.012		0.004
110	12?	11/27/1995	7.3	1800		6		3.1		3.3		10		0.07		0.029
111	12?	4/12/1996	7.8	61		3.3		0.45		1.2		2.2		0.011		0.006
112	14	12/14/1993	7.99	100		6		0.1		0.26		0.48		0.005	U	0.002
113	14	12/14/1994	7.76	81		11		0.11		0.19		0.39		0.01	U	0.002
114	14	2/17/1995	9.08	40		8		0.11		0.21		0.52		0.01	U	0.002
115	14	11/27/1995	8.8	460		14		0.64		1.2		4.1		0.02		0.01
116	14	4/12/1996	7.7	56		3.1		0.067		0.11		0.3		0.02	U	0.005
117	14	11/11/1999	8.25	13		12		0.052		0.034		0.547				
118	14	3/10/2000	7.28	99		5	U	0.17		0.158		0.937				
119	14	10/30/2001	7.67	156		5	U	0.193		0.286		1.23				
120	15	12/14/1993	7.93	10		5	U	0.01	U	0.02		0.1		0.005	U	0.001
121	15	12/14/1994	7.79	13		5	U	0.04		0.007		0.15		0.01	U	0.002
122	15	2/17/1995	7.74	22		11		0.07		0.09		0.2		0.01	U	0.002
123	15	11/27/1995	7.9	56		27		0.15		0.33		0.26		0.01	U	0.003
124	15	4/12/1996	8.5	110		8.6		0.14		0.34		0.43		0.006		0.005
125	16	12/14/1993	7.6	56		13		0.07		0.08		0.21		0.005	U	0.004
126	16	12/14/1994	7.3	12		2		0.03		0.022		0.15		0.01	U	0.002
127	16	2/17/1995	7.53	6		8		0.01	U	0.017		0.06		0.01	U	0.003
128	16	11/27/1995	7.4	17		3	U	0.03		0.05		0.15		0.01	U	0.002
129	16	4/12/1996	8.1	89		4.3		0.098		0.24		0.28		0.002		0.005
130	16	3/10/2000	7.09	40		64		0.191		0.177		0.429				
131	16	10/20/2000	7.18	64		5	U	0.09		0.094		0.342				
132	16	5/22/2002	7.09	73		7.1		0.144		0.164		0.654				
133	17?	12/14/1993	9.04	36		5	U	0.01	U	0.09		0.28		0.005	U	0.001
134	17?	12/14/1994	8.52	180		6		0.26		0.55		0.77		0.006		0.006
135	17?	2/17/1995	7.62	8		5	U	0.01	U	0.002		0.09		0.01	U	0.002
136	17?	11/27/1995	8.9	130		3	U	0.09		0.09		0.26		0.01	U	0.002
137	17?	4/12/1996	8.9	95		2		0.085		0.16		0.27		0.003		0.005
138	18	12/14/1993	8.24	25		8		0.16		0.31		0.52		0.005		0.003
139	18	12/14/1994	7.28	180		9		0.66		0.55		1.2		0.013		0.011
140	18	2/17/1995	7.64	36		15		0.23		0.07		0.27		0.009		0.001
141	18	11/27/1995	7.6	41		4		0.07		0.11		0.3		0.01	U	0.002
142	18	4/12/1996	8.1	71		3.2		0.17		0.23		0.44		0.007		0.005
143	20	11/11/1999	9.45	20		5	U	0.01	U	0.006		0.017				
144	20	3/4/2000	9.4	14		5	U	0.01	U	0.006		0.018				
145	20	6/11/2000	8.45	8		5	U	0.01	U	0.006		0.017				
146	20	10/20/2000	6.95	16		5	U	0.01	U	0.003		0.024				
147	20	10/30/2001	8.23	28		5	U	0.018		0.028		0.057				
148	5/6	10/30/2001	7.76	10		5	U	0.027		0.028		0.082				
149	5/6	5/22/2002	7.91	5	U	5	U	0.013		0.002	U	0.015				
150	4D	5/3/1999	7	6		5	U	0.199		0.004		0.063				
151	7D	11/23/1998	8.2	46		8		0.169		0.116		0.336				
152																
153																
154																
155																
156																

	Q	R	S	T	U	V	W
105	U	0.03		0.004		0.1	U
106	U	0.14		0.001		0.098	
107		0.054				0.01	U
108		0.054		0.0016		0.02	
109		0.084		0.0025		0.05	
110		1		0.012		0.35	
111		0.1		0.003		0.074	
112		0.04		0.0002	U	0.01	U
113		0.036		0.0006		0.01	
114		0.039		0.001		0.02	
115		0.45		0.0046		0.1	U
116	U	0.017		0.0002	U	0.02	U
117							
118							
119							
120		0.012		0.0002	U	0.01	U
121	U	0.006		0.0002	U	0.06	
122	U	0.012		0.0002	U	0.02	
123		0.03		0.0004		0.1	U
124	U	0.019		0.001		0.037	
125		0.019		0.0002	U	0.01	U
126	U	0.008		0.0002	U	0.1	
127		0.01	U	0.0002	U	0.03	
128	U	0.01		0.0002	U	0.1	U
129	U	0.01	U	0.0004		0.04	
130							
131							
132							
133		0.026		0.0002	U	0.01	U
134		0.095		0.0002	U	0.03	
135	U	0.017		0.0002	U	0.1	U
136	U	0.06		0.0002	U	0.1	U
137	U	0.034		0.0003		0.02	U
138		0.059		0.0002	U	0.01	U
139		0.05		0.004		0.08	
140		0.01		0.0013		0.04	
141	U	0.03		0.0008		0.1	U
142	U	0.042		0.0007		0.026	
143							
144							
145							
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
157																
158		Benchmarks[1]		130		10		0.1		0.4		0.6		4.25		0.02
159																
160																
161	1 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria															

SCHN00376940

	Q	R	S	T	U	V	W
157							
158		8.5		0.01		7	
159							
160							
161							

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3											
4	Outfall	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium
5											
6	2	12/14/1993	8.3	32	4	0.06	0.11	0.7	0.0025	0.004	0.01
7	2	12/14/1994	8.43	530	20	0.34	0.74	5.9	0.005	0.026	0.082
8	2	2/17/1995	7.32	32	2.5	0.05	0.08	0.64	0.005	0.004	0.009
9	2	11/27/1995	7.6	420	11	0.42	0.78	5.3	0.005	0.007	0.18
10	2	4/12/1996	7.9	720	5.3	0.6	1.2	8.7	0.13	0.024	0.14
11	2	11/18/1996	8.17	1260	13.5	0.879	1.57	10.4	0.008	0.03	0.209
12	2	5/28/1997	7.66	6	2.5		0.002	0.03	2.5	0.002	0.0025
13	2	12/9/1997	7.8	184	40	0.31	0.606	4.47	0.0025	0.016	0.041
14	2	5/20/1998	7.64	208	12.6	0.624	1.06	5.72			
15	2	11/23/1998	7.56	280	23	0.725	1.06	7.67			
16	2	5/3/1999	7.21	23	12	0.085	0.126	1.71			
17	2	11/11/1999	7.81	200	16	0.663	1.23	7.87			
18	2	3/4/2000	7.79	160	7	0.323	0.396	2.91			
19	2	6/11/2000	7.64	54	12	0.229	0.301	1.82			
20	2	10/20/2000	7.31	13	9.6	0.03	0.019	0.287			
21	2	10/30/2001	7.04	14	5	0.081	0.153	1.04			
22	2	5/22/2002	7.22	13	13	0.17	0.024	0.268			
23	3	12/14/1993	8.03	160	2.5	0.025	0.42	2.3	0.005	0.01	0.053
24	3	12/14/1994	7.52	8	6	0.04	0.025	0.16	0.005	0.001	0.004
25	3	2/17/1995	8.15	340	19	0.55	1.1	6.7	0.013	0.031	0.15
26	3	11/27/1995	7.5	27	1.5	0.06	0.05	0.24	0.005	0.001	0.01
27	3	4/12/1996	8.4	250	3.5	0.14	0.26	1.9	0.002	0.0025	0.026
28	3	11/18/1996	7.91	304	8.2	0.17	0.318	1.45	0.0025	0.004	0.058
29	3	5/28/1997	7.77	13	2.5		0.015	0.08	0.0025	0.002	0.0025
30	3	12/9/1997	7.63	96	12	0.267	0.424	3.21	0.0025	0.011	0.023
31	3	5/20/1998	7.96	84	5.1	0.586	0.384	2.51			
32	3	11/23/1998	6.87	200	9	7.08	0.344	0.806			
33	3	5/3/1999	7.09	2.5	2.5	0.051	0.027	0.262			
34	3	11/11/1999	7.42	88	9	0.383	0.56	3.42			
35	3	3/4/2000	7.58	77	2.5	0.216	0.24	1.8			
36	3	6/11/2000	7.85	15	8.2	0.144	0.109	0.485			
37	3	10/20/2000	8.2	82	10	0.554	0.441	2.3			
38	3	10/30/2001	7.19	10	5	0.099	0.07	0.252			
39	3	5/22/2002	7.38	11	2.5	0.019	0.001	0.076			
40	4	12/14/1993	6.85	170	6	0.005	0.06	0.16	0.007	0.002	0.014
41	4	12/14/1994	7.74	30	2.5	0.13	0.033	0.13	0.005	0.001	0.08
42	4	2/17/1995	7.84	250	12	0.08	0.18	0.43	0.005	0.002	0.043
43	4	11/27/1995	7	64	1.5	0.02	0.05	0.18	0.005	0.001	0.02
44	4	4/12/1996	8.1	1200	1.9	0.19	0.32	1.8	0.006	0.025	0.19
45	4	11/18/1996	8.39	1350	18	1.32	2.76	7.87	0.014	0.03	0.3
46	4	5/28/1997	7.71	58	2.5		0.025	0.1	0.0025	0.002	0.0025
47	4	12/9/1997	9.41	65	2.5	1.39	0.146	0.56	0.0025	0.002	0.024
48	4	5/20/1998	7.74	360	5.7	4.23	0.456	2.1			
49	4	11/23/1998	9.75	1120	18	0.499	0.26	0.973			
50	4	5/3/1999	7.06	2.5	2.5	0.197	0.003	0.064			
51	4	11/11/1999	8.46	287	9	2	0.138	0.634			
52	4	3/4/2000	10.35	36	2.5	0.138	0.039	0.218			

	L	M	N
1			
2			
3			
4	Mercury	Nickel	
5			
6	0.0001	0.005	
7	0.002	0.08	
8	0.0001	0.005	
9	0.0014	0.05	
10	0.0029	0.13	
11	0.004	0.141	
12	0.00025	0.01	
13	0.0022	0.048	
14			
15			
16			
17			
18			
19			
20			
21			
22			
23	0.0001	0.05	
24	0.0001	0.05	
25	0.0029	0.11	
26	0.0001	0.05	
27	0.0001	0.027	
28	0.8	0.3	
29	0.00025	0.01	
30	0.0012	0.034	
31			
32			
33			
34			
35			
36			
37			
38			
39			
40	0.0001	0.005	
41	0.0001	0.005	
42	0.0001	0.02	
43	0.0001	0.05	
44	0.0007	0.044	
45	0.0011	0.227	
46	0.00025	0.01	
47	0.00025	0.01	
48			
49			
50			
51			
52			

	A	B	C	D	E	F	G	H	I	J	K
53	4	6/11/2000	7.75	11	2.5	0.101	0.008	0.039			
54	4	10/20/2000	7.11	30	2.5	0.286	0.02	0.088			
55	4	10/30/2001	7.94	2.5	2.5	0.045	0.014	0.04			
56	5	12/14/1993	7.77	110	13	0.08	0.14	0.49	0.0025	0.004	0.025
57	5	12/14/1994	7.46	280	8	0.12	0.3	0.74	0.005	0.006	0.048
58	5	2/17/1995	9.8	28	2.5	0.005	0.005	0.03	0.005	0.001	0.005
59	5	11/27/1995	8.5	280	6	0.12	0.22	0.54	0.005	0.001	0.05
60	5	4/12/1996	8.6	250	4.1	0.15	0.35	0.74	0.005	0.0025	0.039
61	5	11/18/1996	8.34	860	14.8	0.198	0.461	1.27	0.006	0.002	0.086
62	5	12/9/1997	8.49	73	26	1.61	1.39	3.93	0.0025	0.018	0.186
63	5	5/20/1998	7.6	130	3.3	0.431	0.562	1.61			
64	5	11/23/1998	8.36	220	9	4.76	0.284	0.49			
65	5	5/3/1999	7.04	2.5	2.5	0.022	0.008	0.074			
66	5	11/11/1999	7.2	113	11	0.232	0.24	1.57			
67	5	3/4/2000	7.91	112	6	0.214	0.228	1.38			
68	5	6/11/2000	7.6	11	2.5	0.031	0.032	0.197			
69	5	10/20/2000	8.39	208	2.5	0.24	0.375	1.51			
70	6	12/14/1993	7.72	130	11	0.06	0.06	0.11	0.0025	0.001	0.01
71	6	12/14/1994	8.88	54	8	0.03	0.031	0.06	0.005	0.001	0.013
72	6	2/17/1995	7.61	140	16	0.16	0.33	1.2	0.005	0.004	0.056
73	6	11/27/1995	7.3	24	1.5	0.005	0.02	0.05	0.005	0.001	0.005
74	6	4/12/1996	8.5	540	1.9	0.08	0.11	0.29	0.005	0.0025	0.023
75	6	11/18/1996	8.56	368	5.4	0.113	0.285	0.72	0.0025	0.002	0.042
76	6	5/28/1997	9.33	52	2.5		0.036	0.11	0.006	0.002	0.022
77	6	12/9/1997	9.98	101	2.5	0.565	0.115	0.28	0.0025	0.002	0.021
78	6	5/20/1998	7.88	412	3.9	0.801	0.16	0.56			
79	6	11/23/1998	8.87	420	8	1.27	0.256	0.757			
80	6	5/3/1999	7.05	2.5	2.5	0.073	0.004	0.012			
81	6	11/11/1999	9.14	272	14	1.12	0.083	0.274			
82	6	3/4/2000	9.8	26	2.5	0.079	0.012	0.031			
83	6	6/11/2000	7.98	13	2.5	0.018	0.003	0.005			
84	6	10/20/2000	8.3	880	2.5	2.6	0.23	0.688			
85	7	12/14/1993	8.24	25	2.5	0.005	0.01	0.005	0.0025	0.001	0.006
86	7	12/14/1994	9.71	32	2.5	0.04	0.017	0.05	0.005	0.001	0.01
87	7	2/17/1995	8.77	80	7	0.02	0.064	0.09	0.005	0.001	0.01
88	7	11/27/1995	9.1	250	4	0.02	0.05	0.15	0.005	0.001	0.03
89	7	4/12/1996	9.2	130	3.5	0.073	0.14	0.3	0.006	0.0025	0.029
90	7	12/9/1997	8.87	452	9	0.505	0.263	0.63	0.0025	0.002	0.031
91	7	5/20/1998	8.16	270	4.5	0.203	0.078	0.29			
92	7	11/23/1998	8.15	19	6	0.132	0.088	0.237			
93	7	5/3/1999	7.47	8	2.5	0.012	0.003	0.011			
94	7	11/11/1999	9.45	35	2.5	0.005	0.006	0.017			
95	7	3/4/2000	8.52	49	2.5	0.029	0.036	0.085			
96	7	6/11/2000	8.16	2.5	2.5	0.014	0.011	0.038			
97	7	10/20/2000	7.75	8	2.5	0.014	0.015	0.048			
98	7	10/30/2001	8.1	36	2.5	0.034	0.058	0.231			
99	7	5/22/2002	8.42	59	2.5	0.025	0.016	0.106			
100	9	12/14/1993	8.64	330	2.5	0.15	0.68	0.81	0.0025	0.03	0.048
101	10	12/14/1994	7.75	10	2.5	0.005	0.005	0.05	0.005	0.001	0.005
102	11?	12/14/1993	9.55	65	2.5	0.005	0.3	0.12	0.0025	0.001	0.011
103	11?	12/14/1994	7.66	76	5	0.05	0.056	0.13	0.005	0.001	0.014
104	11?	2/17/1995	8.86	180	2.5	0.04	0.08	0.14	0.005	0.001	0.01

	L	M	N
53			
54			
55			
56	0.0001	0.005	
57	0.0001	0.05	
58	0.0001	0.01	
59	0.0006	0.05	
60	0.001	0.033	
61	0.0013	0.82	
62	0.0048	0.113	
63			
64			
65			
66			
67			
68			
69			
70	0.0001	0.005	
71	0.0001	0.05	
72	0.0016	0.06	
73	0.0001	0.05	
74	0.0003	0.033	
75	1.1	0.03	
76	0.00025	0.01	
77	0.00025	0.01	
78			
79			
80			
81			
82			
83			
84			
85	0.0001	0.005	
86	0.0001	0.05	
87	0.0001	0.05	
88	0.0001	0.05	
89	0.0003	0.03	
90	0.0008	0.01	
91			
92			
93			
94			
95			
96			
97			
98			
99			
100	0.0015	0.005	
101	0.0001	0.05	
102	0.0001	0.005	
103	0.0001	0.05	
104	0.0001	0.05	

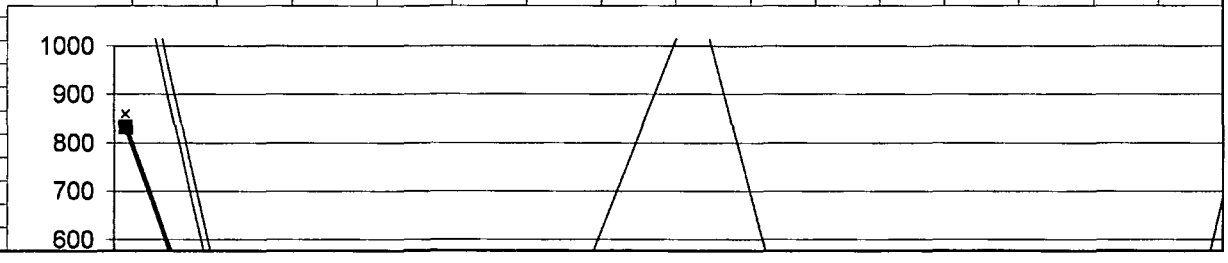
	A	B	C	D	E	F	G	H	I	J	K
105	11?	11/27/1995	9.1	200	3	0.07	0.09	0.2	0.005	0.001	0.03
106	11?	4/12/1996	9.2	1200	5.4	0.27	0.54	1	0.021	0.0025	0.14
107	12?	12/14/1993	7.7	70	2.5	0.2	0.39	0.67	0.0025	0.003	0.054
108	12?	12/14/1994	7.32	65	7	0.19	0.32	0.6	0.006	0.003	0.054
109	12?	2/17/1995	7.73	140	10	0.35	0.78	1.1	0.012	0.004	0.084
110	12?	11/27/1995	7.3	1900	6	3.1	3.3	10	0.07	0.029	1
111	12?	4/12/1996	7.8	61	3.3	0.45	1.2	2.2	0.011	0.006	0.1
112	14	12/14/1993	7.99	100	6	0.1	0.26	0.48	0.0025	0.002	0.04
113	14	12/14/1994	7.76	81	11	0.11	0.19	0.39	0.005	0.002	0.035
114	14	2/17/1995	9.08	40	8	0.11	0.21	0.52	0.005	0.002	0.039
115	14	11/27/1995	8.8	460	14	0.64	1.2	4.1	0.02	0.01	0.45
116	14	4/12/1996	7.7	56	3.1	0.067	0.11	0.3	0.01	0.0025	0.017
117	14	11/11/1999	8.25	13	12	0.052	0.034	0.547			
118	14	3/10/2000	7.28	99	2.5	0.17	0.158	0.937			
119	14	10/30/2001	7.67	156	2.5	0.193	0.286	1.23			
120	15	12/14/1993	7.93	10	2.5	0.005	0.02	0.1	0.0025	0.001	0.012
121	15	12/14/1994	7.79	13	2.5	0.04	0.007	0.15	0.005	0.001	0.006
122	15	2/17/1995	7.74	22	11	0.07	0.09	0.2	0.005	0.001	0.012
123	15	11/27/1995	7.9	56	27	0.15	0.33	0.26	0.005	0.003	0.03
124	15	4/12/1996	8.5	110	8.6	0.14	0.34	0.43	0.006	0.0025	0.19
125	16	12/14/1993	7.6	56	13	0.07	0.08	0.21	0.0025	0.004	0.019
126	16	12/14/1994	7.3	12	2	0.03	0.022	0.15	0.005	0.001	0.006
127	16	2/17/1995	7.53	6	8	0.005	0.017	0.06	0.005	0.003	0.005
128	16	11/27/1995	7.4	17	1.5	0.03	0.05	0.15	0.005	0.001	0.01
129	16	4/12/1996	8.1	89	4.3	0.098	0.24	0.28	0.002	0.0025	0.005
130	16	3/10/2000	7.09	40	64	0.191	0.177	0.429			
131	16	10/20/2000	7.18	64	2.5	0.09	0.094	0.342			
132	16	5/22/2002	7.09	73	7.1	0.144	0.164	0.654			
133	17?	12/14/1993	9.04	38	2.5	0.005	0.09	0.28	0.0025	0.001	0.026
134	17?	12/14/1994	8.52	160	6	0.28	0.55	0.77	0.006	0.006	0.065
135	17?	2/17/1995	7.62	8	2.5	0.005	0.022	0.09	0.005	0.001	0.017
136	17?	11/27/1995	8.9	130	1.5	0.09	0.09	0.26	0.005	0.001	0.06
137	17?	4/12/1996	8.9	95	2	0.085	0.16	0.27	0.003	0.0025	0.034
138	18	12/14/1993	8.24	25	8	0.16	0.31	0.52	0.005	0.003	0.059
139	18	12/14/1994	7.28	180	9	0.66	0.55	1.2	0.013	0.011	0.05
140	18	2/17/1995	7.54	36	15	0.23	0.07	0.27	0.009	0.001	0.01
141	18	11/27/1995	7.6	41	4	0.07	0.11	0.3	0.005	0.001	0.03
142	18	4/12/1996	8.1	71	3.2	0.17	0.23	0.44	0.007	0.0025	0.042
143	20	11/11/1999	9.45	20	2.5	0.005	0.006	0.017			
144	20	3/4/2000	9.4	14	2.5	0.005	0.006	0.018			
145	20	6/11/2000	8.45	8	2.5	0.005	0.006	0.017			
146	20	10/20/2000	6.85	16	2.5	0.005	0.003	0.024			
147	20	10/30/2001	8.23	28	2.5	0.018	0.028	0.057			
148	5/6	10/30/2001	7.76	10	2.5	0.027	0.028	0.062			
149	5/6	5/22/2002	7.91	2.5	2.5	0.013	0.001	0.015			
150	4D	5/3/1999	7	6	2.5	0.199	0.004	0.063			
151	7D	11/23/1998	8.2	46	8	0.169	0.116	0.336			
152											
153											
154											
155											
156											

	L	M	N
105	0.004	0.05	
106	0.001	0.098	
107		0.005	
108	0.0016	0.02	
109	0.0025	0.05	
110	0.012	0.35	
111	0.003	0.074	
112	0.0001	0.005	
113	0.0008	0.01	
114	0.001	0.02	
115	0.0046	0.05	
116	0.0001	0.01	
117			
118			
119			
120	0.0001	0.005	
121	0.0001	0.06	
122	0.0001	0.02	
123	0.0004	0.05	
124	0.001	0.037	
125	0.0001	0.01	
126	0.0001	0.1	
127	0.0001	0.03	
128	0.0001	0.05	
129	0.0004	0.04	
130			
131			
132			
133	0.0001	0.005	
134	0.0001	0.03	
135	0.0001	0.05	
136	0.0001	0.05	
137	0.0003	0.01	
138	0.0001	0.005	
139	0.004	0.08	
140	0.0013	0.04	
141	0.0008	0.05	
142	0.0007	0.026	
143			
144			
145			
146			
147			
148			
149			
150			
151			
152			
153			
154			
155			
156			

	A	B	C	D	E	F	G	H	I	J	K
157											
158		Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5
159											
160											
161	1 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria										

	L	M	N
157			
158	0.01	7	
159			
160			
161			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1																
2	**TSS**															
3																
4	Date	2	3	4	5	6	5/6	7	9	10	11	12	14	15	16	17
5																
6	12/14/1993	32	160	170	110	130		25	330				100	10	56	
7	12/14/1994	530	8	30	280	54		32		10			81	13	12	
8	2/17/1995	32	340	250	28	140		80					40	22	6	
9	11/27/1995	420	27	64	280	24		250					460	56	17	
10	4/12/1996	720	250	1200	250	540		130					56	110	89	
11	11/18/1996	1280	304	1350	860	368										
12	5/28/1997	6	13	58		52										
13	12/9/1997	184	96	65	73	101		452								
14	5/20/1998	208	94	360	130	412		270								
15	11/23/1998	280	200	1120	220	420		19								
16	5/3/1999	23	2.5	2.5	2.5	2.5		8								
17	11/11/1999	200	88	287	113	272		35					13			
18	3/4/2000	160	77	36	112	26		49					99		40	
19	6/11/2000	54	15	11	11	13		2.5							64	
20	10/20/2000	13	82	30	206	880		8								
21	10/30/2001	14	10	2.5			10	36					156			
22	5/22/2002	13	11				2.5	59							73	
23																
24																
25																
26	Benchmark	130														
27																
28																
29																
30																
31																
32																
33																
34																
35																
36																
37																



SCHN00376950

	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1																
2																
3																
4	18	20		Average		2	3	4	5	6	5/6	7	9	10	11	12
5																
6	25			104.4		0.25	1.23	1.31	0.85	1.00		0.19	2.54			
7	180			111.8		4.08	0.06	0.23	2.15	0.42		0.25		0.08		
8	36			97.4		0.25	2.62	1.92	0.22	1.08		0.62				
9	41			163.9		3.23	0.21	0.49	2.15	0.18		1.92				
10	71			341.6		5.54	1.92	9.23	1.92	4.15		1.00				
11				832.4		9.85	2.34	10.38	6.62	2.83						
12				32.3		0.05	0.10	0.45		0.40						
13				161.8		1.42	0.74	0.50	0.56	0.78		3.48				
14				245.7		1.60	0.72	2.77	1.00	3.17		2.08				
15				376.5		2.15	1.54	8.62	1.69	3.23		0.15				
16				6.8		0.18	0.02	0.02	0.02	0.02		0.06				
17		20		128.5		1.54	0.68	2.21	0.87	2.09		0.27				
18		14		68.1		1.23	0.59	0.28	0.86	0.20		0.38				
19		8		22.3		0.42	0.12	0.08	0.08	0.10		0.02				
20		16		176.4		0.10	0.63	0.23	1.58	6.77		0.06				
21		28		36.6		0.11	0.08	0.02			0.08	0.28				
22				31.7		0.10	0.08				0.02	0.45				
23																
24																
25																
26																
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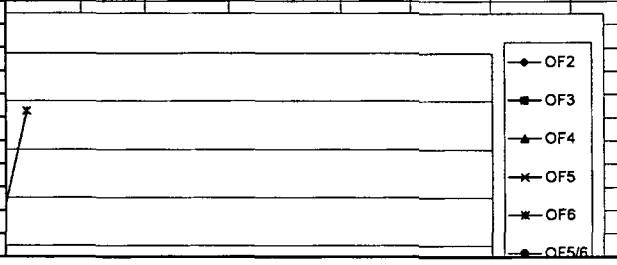
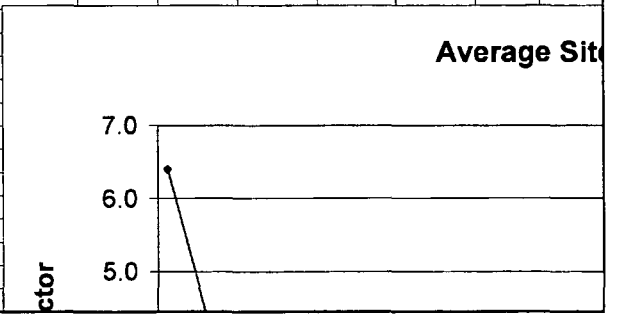
31																
32																
33																
34																
35																
36																
37																





SCHN00376951

	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ
1											
2											
3											
4	14	15	16	17	18	20		Average			
5											
6	0.77	0.08	0.43		0.19			0.8			
7	0.62	0.10	0.09		1.38			0.9			
8	0.31	0.17	0.05		0.28			0.7			
9	3.54	0.43	0.13		0.32			1.3			
10	0.43	0.85	0.68		0.55			2.6			
11								6.4			
12								0.2			
13								1.2			
14								1.9			
15								2.9			
16								0.1			
17	0.10					0.15		1.0			
18	0.76		0.31			0.11		0.5			
19			0.49			0.06		0.2			
20						0.12		1.4			
21	1.20					0.22		0.3			
22			0.56					0.2			
23											
24											
25											
26											
27											
28											
29											
30											
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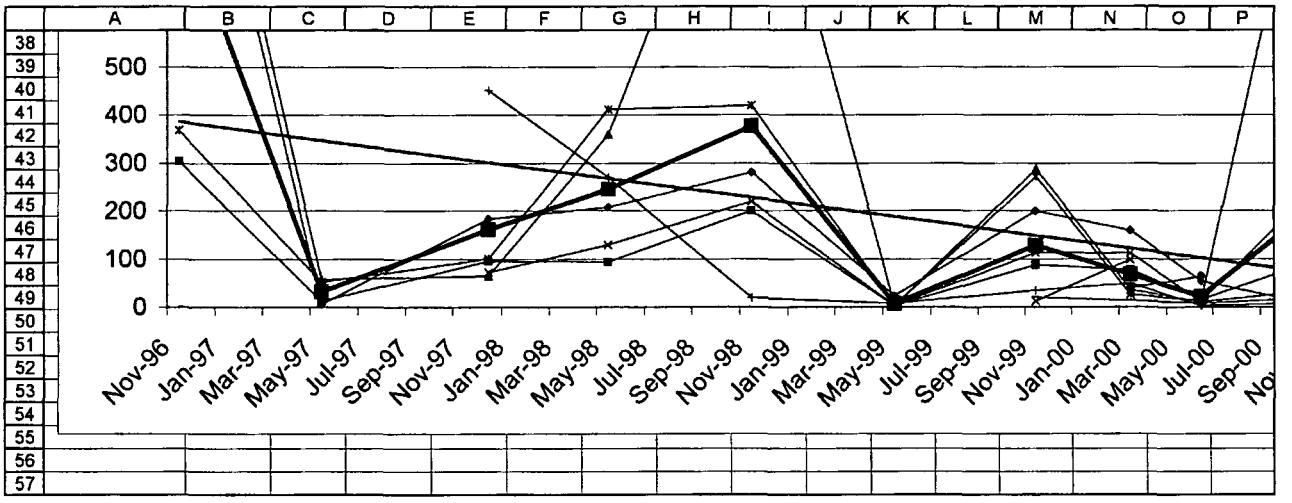
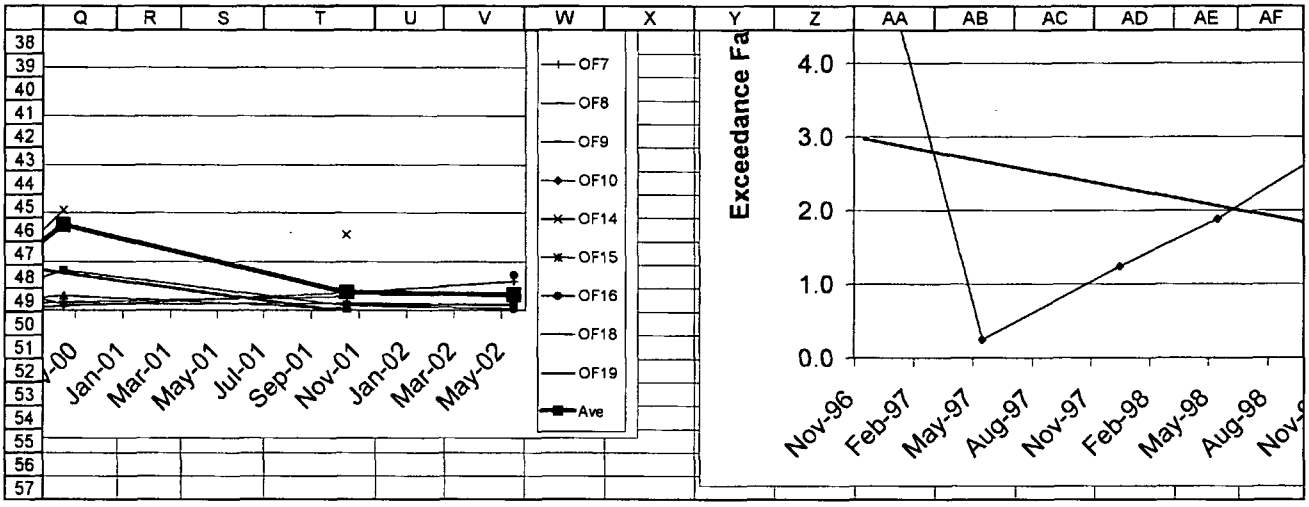
32											
33											
34											
35											
36											
37											

e-Wide Exceedance Factor - TSS

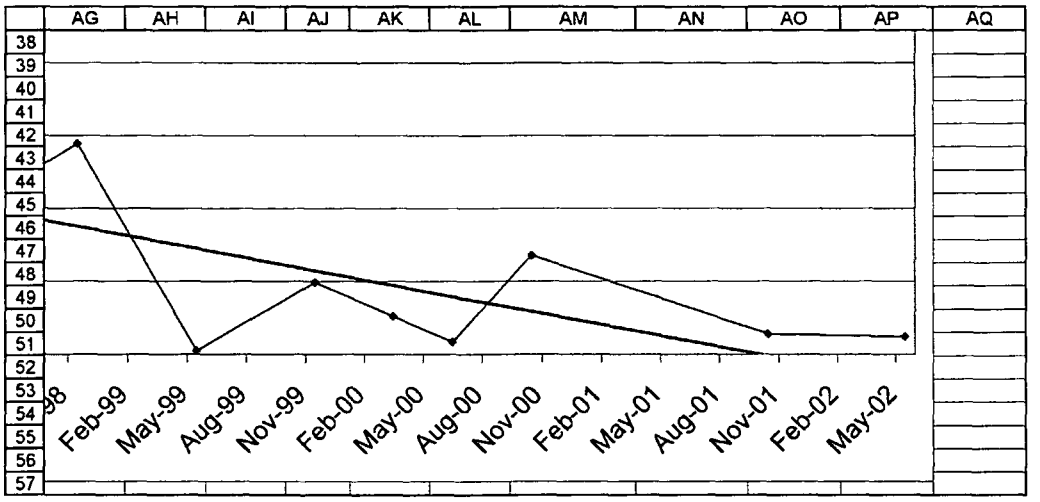
SCHN00376952



SCHN00376953



SCHN00376954



SCHN00376955

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1																
2	TPH															
3																
4	Date	2	3	4	5	6	5/6	7	9	10	11	12	14	15	16	17
5																
6	12/14/1993	4	2.5	6	13	11		2.5	2.5				6	2.5	13	2.5
7	12/14/1994	20	6	2.5	8	8		2.5		2.5			11	2.5	2	6
8	2/17/1995	2.5	19	12	2.5	16		7					8	11	8	2.5
9	11/27/1995	11	1.5	1.5	6	1.5		4					14	27	1.5	1.5
10	4/12/1996	5.3	3.5	1.9	4.1	1.9		3.5					3.1	8.6	4.3	2
11	11/18/1996	13.5	8.2	18	14.8	5.4										
12	5/28/1997	2.5	2.5	2.5		2.5		9								
13	12/9/1997	40	12	2.5	26	2.5										
14	5/20/1998	12.6	5.1	5.7	3.3	3.9		4.5								
15	11/23/1998	23	9	18	9	8		6								
16	5/3/1999	12	2.5	2.5	2.5	2.5		2.5								
17	11/11/1999	16	9	9	11	14		2.5					12			
18	3/4/2000	7	2.5	2.5	6	2.5		2.5					2.5		64	
19	6/11/2000	12	8.2	2.5	2.5	2.5		2.5							2.5	
20	10/20/2000	9.6	10	2.5	2.5	2.5		2.5								
21	10/30/2001	5	5	2.5			2.5	2.5					2.5			
22	5/22/2002	13	2.5				2.5	2.5							7.1	
23																
24																
25																
26	Benchmark	10														
27																
28																
29																
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31																
32																
33																
34																
35																
36																
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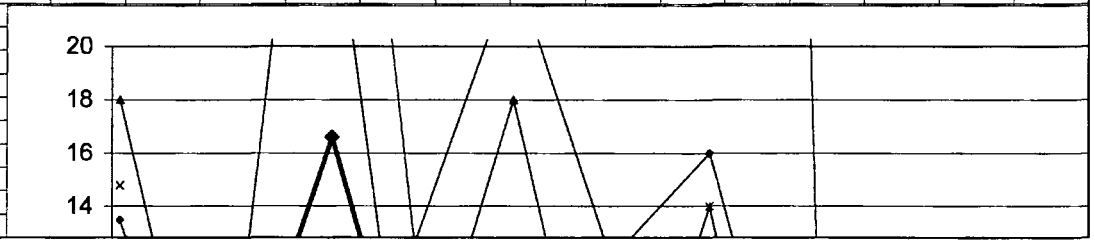
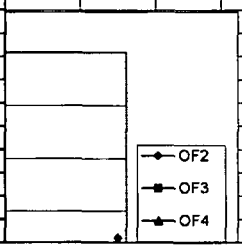
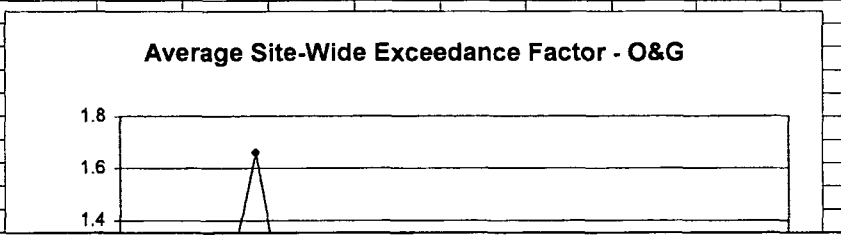


SCHN00376956

	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE
1															
2															
3															
4	18	20		Average		2	3	4	5	6	5/6	7	9	10	11
5															
6	8			6.13		0.4	0.25	0.6	1.3	1.1		0.25	0.25		
7	9			6.67		2	0.6	0.25	0.8	0.8		0.25		0.25	
8	15			9.41		0.25	1.9	1.2	0.25	1.6		0.7			
9	4			6.68		1.1	0.15	0.15	0.6	0.15		0.4			
10	3.2			3.76		0.53	0.35	0.19	0.41	0.19		0.35			
11				11.98		1.35	0.82	1.8	1.48	0.54					
12				3.80		0.25	0.25	0.25		0.25		0.9			
13				16.60		4	1.2	0.25	2.6	0.25					
14				5.85		1.26	0.51	0.57	0.33	0.39		0.45			
15				12.17		2.3	0.9	1.8	0.9	0.8		0.6			
16				4.08		1.2	0.25	0.25	0.25	0.25		0.25			
17		2.5		9.50		1.6	0.9	0.9	1.1	1.4		0.25			
18		2.5		10.22		0.7	0.25	0.25	0.6	0.25		0.25			
19		2.5		4.40		1.2	0.82	0.25	0.25	0.25		0.25			
20		2.5		4.59		0.96	1	0.25	0.25	0.25		0.25			
21		2.5		3.21		0.5	0.5	0.25			0.25	0.25			
22				5.52		1.3	0.25				0.25	0.25			
23															
24															
25															
26															
27															
28															
29															
30															
31															
32															
33															
34															
35															
36															
37															





SCHN00376957

	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1									
2									
3									
4	12	14	15	16	17	18	20		Average
5									
6		0.6	0.25	1.3		0.8			0.65
7		1.1	0.25	0.2		0.9			0.67
8		0.8	1.1	0.8		1.5			1.01
9		1.4	2.7	0.15		0.4			0.72
10		0.31	0.86	0.43		0.32			0.39
11									1.20
12									0.38
13									1.66
14									0.59
15									1.22
16									0.41
17		1.2					0.25		0.95
18		0.25		6.4			0.25		1.02
19				0.25			0.25		0.44
20							0.25		0.46
21		0.25					0.25		0.32
22				0.71					0.55
23									
24									
25									
26									
27									
28									
29									
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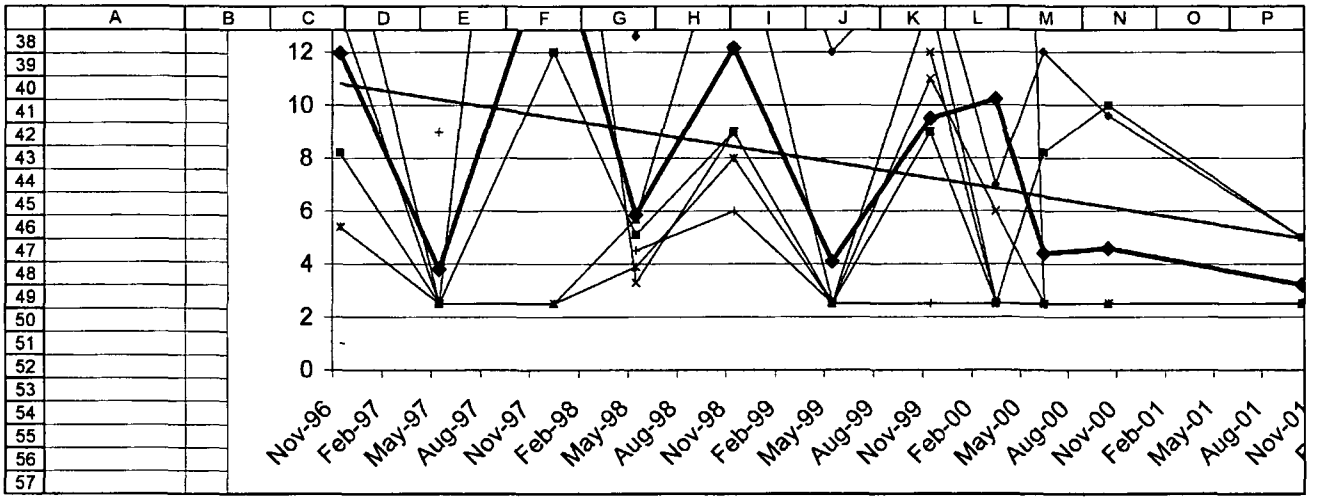
34									
35									
36									
37									



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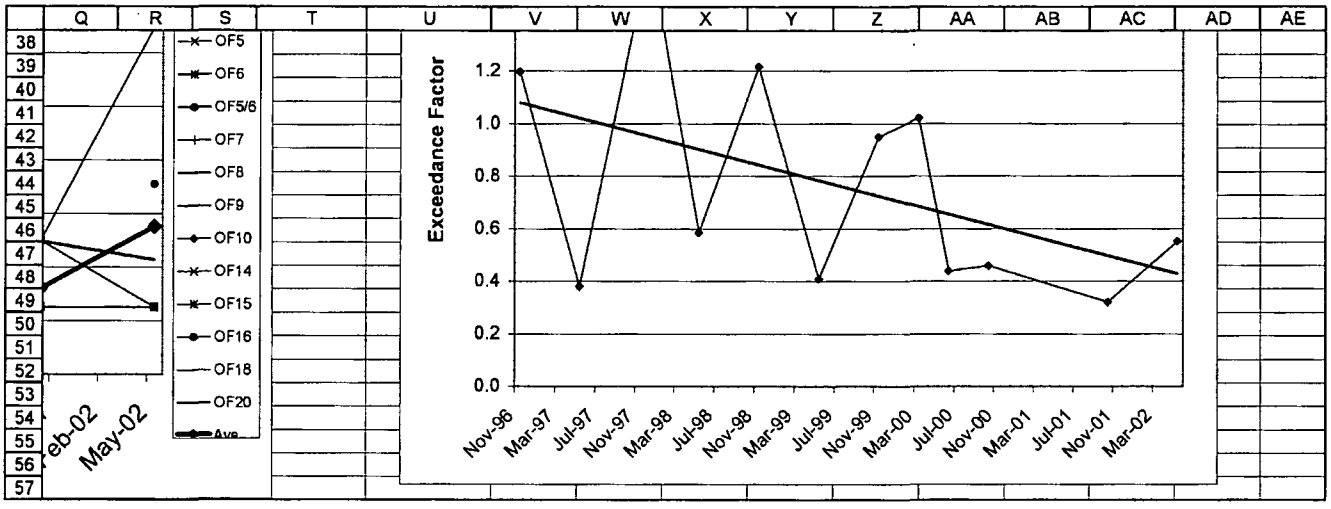
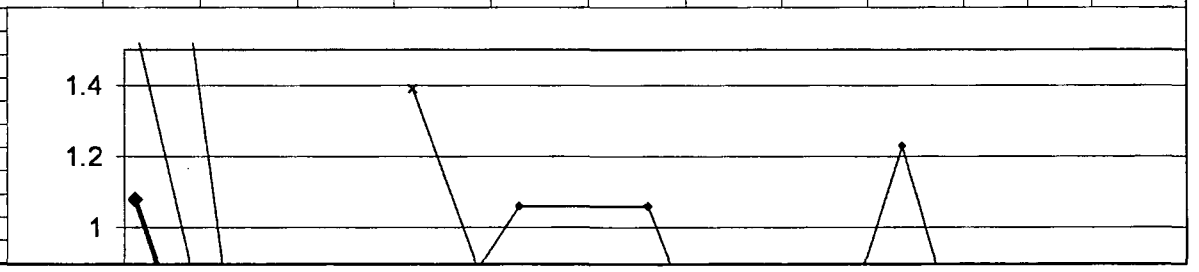


SCHN00376960

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2	**Lead**												
3													
4	Date	2	3	4	5	6	5/6	7	9	10	11	12	14
5													
6	12/14/1993	0.11	0.42	0.06	0.14	0.06		0.01	0.68				0.26
7	12/14/1994	0.74	0.025	0.033	0.3	0.031		0.017		0.005			0.19
8	2/17/1995	0.08	1.1	0.18	0.005	0.33		0.064					0.21
9	11/27/1995	0.78	0.05	0.05	0.22	0.02		0.05					1.2
10	4/12/1996	1.2	0.26	0.32	0.35	0.11		0.14					0.11
11	11/18/1996	1.57	0.318	2.76	0.461	0.285							
12	5/28/1997	0.002	0.015	0.025		0.036							
13	12/9/1997	0.606	0.424	0.146	1.39	0.115		0.263					
14	5/20/1998	1.06	0.394	0.456	0.562	0.16		0.078					
15	11/23/1998	1.06	0.344	0.26	0.284	0.256		0.088					
16	5/3/1999	0.126	0.027	0.003	0.008	0.004		0.003					
17	11/11/1999	1.23	0.56	0.138	0.24	0.083		0.006					0.034
18	3/4/2000	0.396	0.24	0.039	0.228	0.012		0.036					0.158
19	6/11/2000	0.301	0.109	0.008	0.032	0.003		0.011					
20	10/20/2000	0.019	0.441	0.02	0.375	0.23		0.015					
21	10/30/2001	0.153	0.07	0.014			0.028	0.059					0.286
22	5/22/2002	0.024	0.001				0.001	0.016					
23													
24													
25	Benchmark	0.4											
26													



SCHN00376961

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1															
2															
3															
4	15	16	17	18	20		Average		2	3	4	5	6	5/6	7
5															
6	0.02	0.08		0.31			0.195		0.28	1.05	0.15	0.35	0.15		0.03
7	0.007	0.022		0.55			0.175		1.85	0.06	0.08	0.75	0.08		0.04
8	0.09	0.017		0.07			0.215		0.20	2.75	0.45	0.01	0.83		0.16
9	0.33	0.05		0.11			0.286		1.95	0.13	0.13	0.55	0.05		0.13
10	0.34	0.24		0.23			0.330		3.00	0.65	0.80	0.88	0.28		0.35
11							1.079		3.93	0.80	6.90	1.15	0.71		
12							0.020		0.01	0.04	0.06		0.09		
13							0.491		1.52	1.06	0.37	3.48	0.29		0.66
14							0.452		2.65	0.99	1.14	1.41	0.40		0.20
15							0.382		2.65	0.86	0.65	0.71	0.64		0.22
16							0.029		0.32	0.07	0.01	0.02	0.01		0.01
17					0.006		0.287		3.08	1.40	0.35	0.60	0.21		0.02
18		0.177			0.006		0.144		0.99	0.60	0.10	0.57	0.03		0.09
19					0.006		0.067		0.75	0.27	0.02	0.08	0.01		0.03
20		0.094			0.003		0.150		0.05	1.10	0.05	0.94	0.58		0.04
21					0.028		0.091		0.38	0.18	0.04				0.15
22		0.164					0.041		0.06	0.00					0.04
23															
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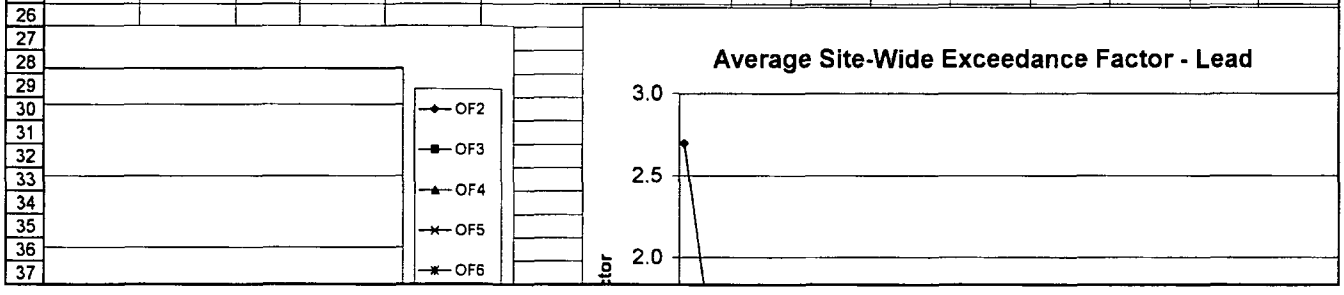

SCHN00376962

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1												
2												
3												
4	9	10	11	12	14	15	16	17	18	20		Average
5												
6	1.70				0.65	0.05	0.20		0.78			0.489
7		0.01			0.48	0.02	0.06		1.38			0.436
8					0.53	0.23	0.04		0.18			0.537
9					3.00	0.83	0.13		0.28			0.715
10					0.28	0.85	0.60		0.58			0.825
11												2.697
12												0.049
13												1.227
14												1.129
15												0.955
16												0.071
17					0.09					0.02		0.718
18					0.40		0.44			0.02		0.359
19										0.02		0.168
20							0.24			0.01		0.374
21					0.72					0.07		0.254
22							0.41					0.128
23												
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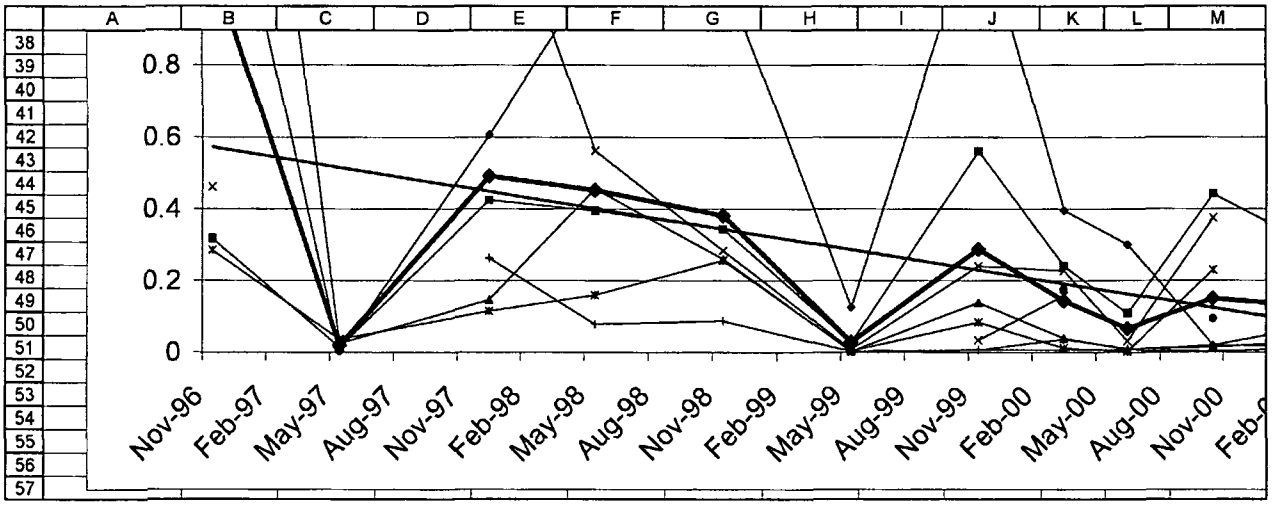

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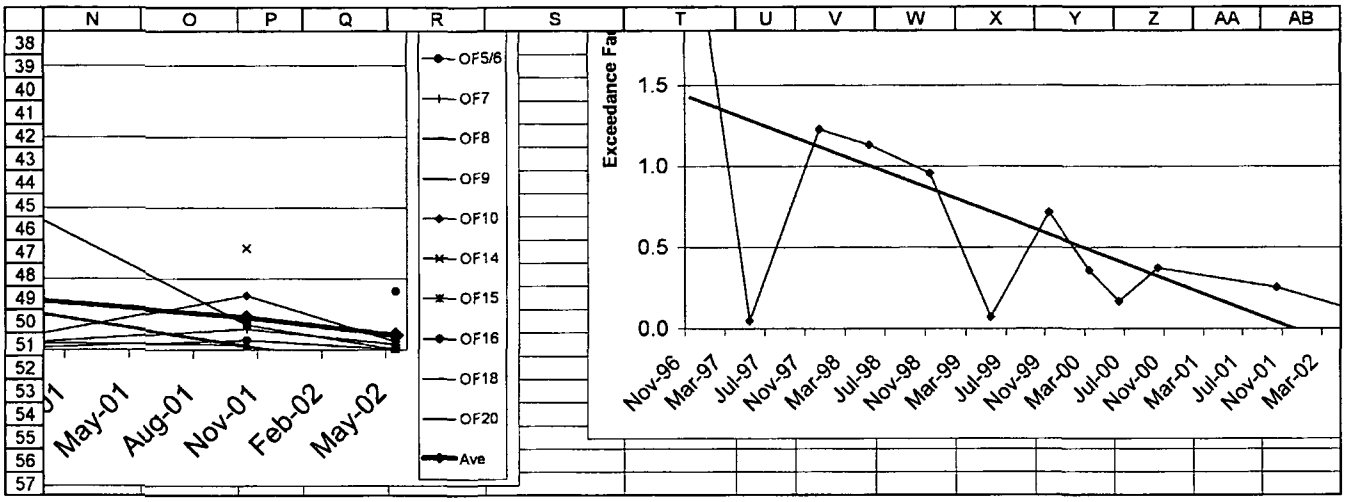

SCHN00376965

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
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	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2	**Copper**												
3													
4	Date	2	3	4	5	6	5/6	7	9	10	11	12	14
5													
6	12/14/1993	0.06	0.025	0.005	0.08	0.06		0.005	0.15				0.1
7	12/14/1994	0.34	0.04	0.13	0.12	0.03		0.04		0.005			0.11
8	2/17/1995	0.05	0.55	0.08	0.005	0.16		0.02					0.11
9	11/27/1995	0.42	0.06	0.02	0.12	0.005		0.02					0.64
10	4/12/1996	0.6	0.14	0.19	0.15	0.08		0.073					0.067
11	11/18/1996	0.679	0.17	1.32	0.198	0.113							0.052
12	5/28/1997												
13	12/9/1997	0.31	0.267	1.39	1.81	0.565		0.505					
14	5/20/1998	0.624	0.586	**4.23**	0.431	0.801		0.203					
15	11/23/1998	0.725	**7.08**	0.499	**4.76**	1.27		0.132					
16	5/3/1999	0.085	0.051	0.197	0.022	0.073		0.012					
17	11/11/1999	0.663	0.383	2	0.232	1.12		0.005					
18	3/4/2000	0.323	0.216	0.138	0.214	0.079		0.029					0.17
19	6/11/2000	0.229	0.144	0.101	0.031	0.018		0.014					
20	10/20/2000	0.03	0.554	0.296	0.24	**2.6**		0.014					
21	10/30/2001	0.081	0.099	0.045			0.027	0.034					0.193
22	5/22/2002	0.17	0.019				0.013	0.025					
23													
24													
25													
26	Benchmark	0.1											
27													
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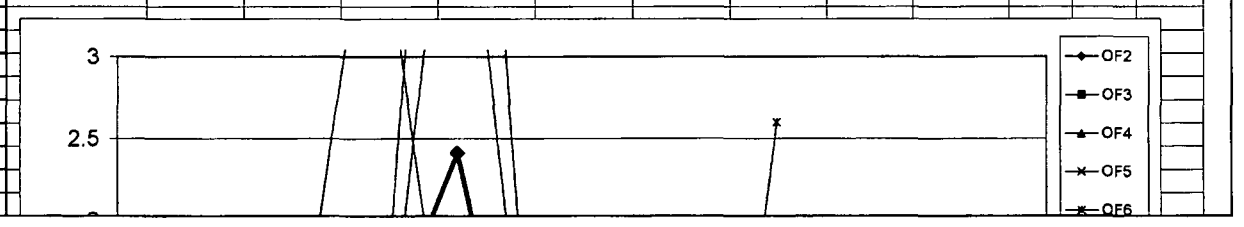

SCHN00376967

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1													
2													
3									Exceedance Factors				
4	15	16	17	18	20		Average		2	3	4	5	6
5													
6	0.005	0.07		0.16			0.065		0.6				
7	0.04	0.03		0.66			0.140		3.4	0.4	1.3	1.2	0.3
8	0.07	0.005		0.23			0.128		0.5	5.5	0.8	0.05	1.6
9	0.15	0.03		0.07			0.154		4.2	0.6	0.2	1.2	0.05
10	0.14	0.098		0.17			0.171		6	1.4	1.9	1.5	0.8
11							0.422		6.79	1.7	13.2	1.98	1.13
12													
13							0.808		3.1	2.67	13.9	18.1	5.65
14							1.146		6.24	5.86	42.3	4.31	8.01
15							2.411		7.25	70.8	4.99	47.6	12.7
16							0.073		0.85	0.51	1.97	0.22	0.73
17					0.005		0.630		6.63	3.83	20	2.32	11.2
18		0.191			0.005		0.152		3.23	2.16	1.38	2.14	0.79
19					0.005		0.077		2.29	1.44	1.01	0.31	0.18
20		0.09			0.005		0.479		0.3	5.54	2.96	2.4	26
21					0.018		0.071		0.81	0.99	0.45		
22		0.144					0.074		1.7	0.19			
23													
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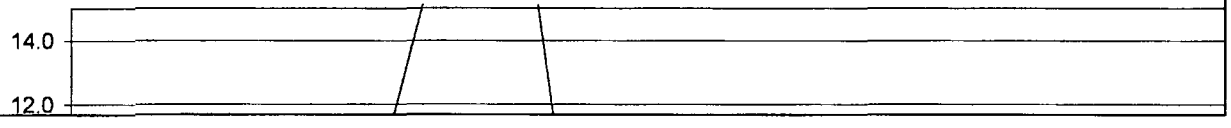
Average Site-Wide Exceedance Factor - Copper



SCHN00376968

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1														
2														
3														
4	5/6	7	9	10	11	12	14	15	16	17	18	20		Average
5														
6														0.600
7		0.4		0.05			1.1	0.4	0.3		6.6			1.405
8		0.2					1.1	0.7	0.05		2.3			1.280
9		0.2					6.4	1.5	0.3		0.7			1.535
10		0.73					0.67	1.4	0.98		1.7			1.708
11							0.52							4.220
12														
13		5.05												8.078
14		2.03												11.458
15		1.32												24.110
16		0.12												0.733
17		0.05										0.05		6.297
18		0.29					1.7		1.91			0.05		1.517
19		0.14										0.05		0.774
20		0.14							0.9			0.05		4.786
21	0.27	0.34					1.93					0.18		0.710
22	0.13	0.25							1.44					0.742
23														
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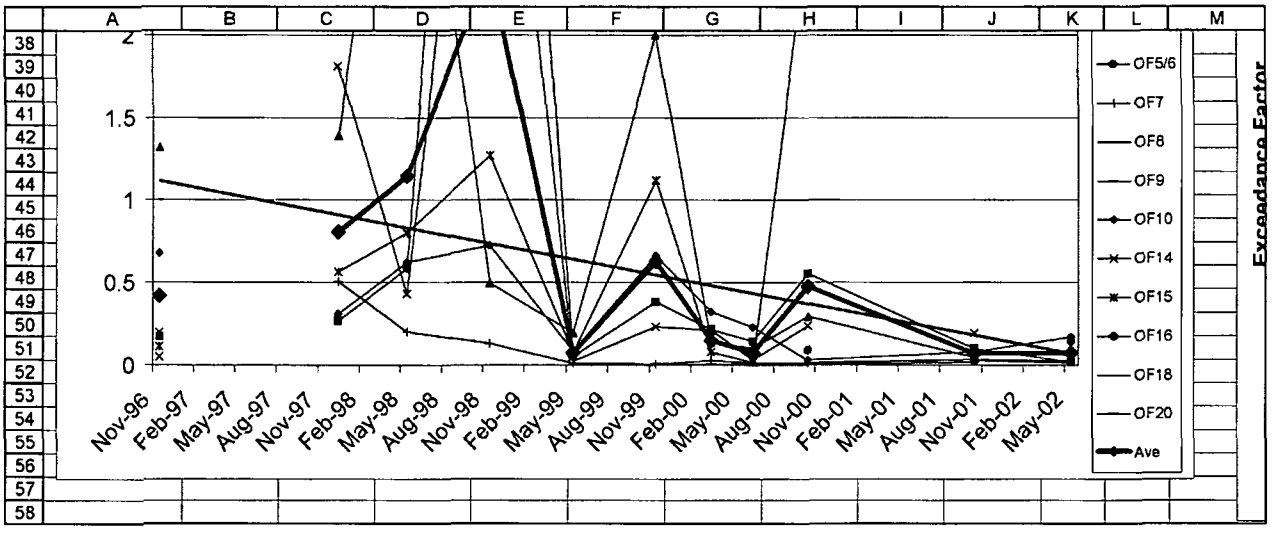

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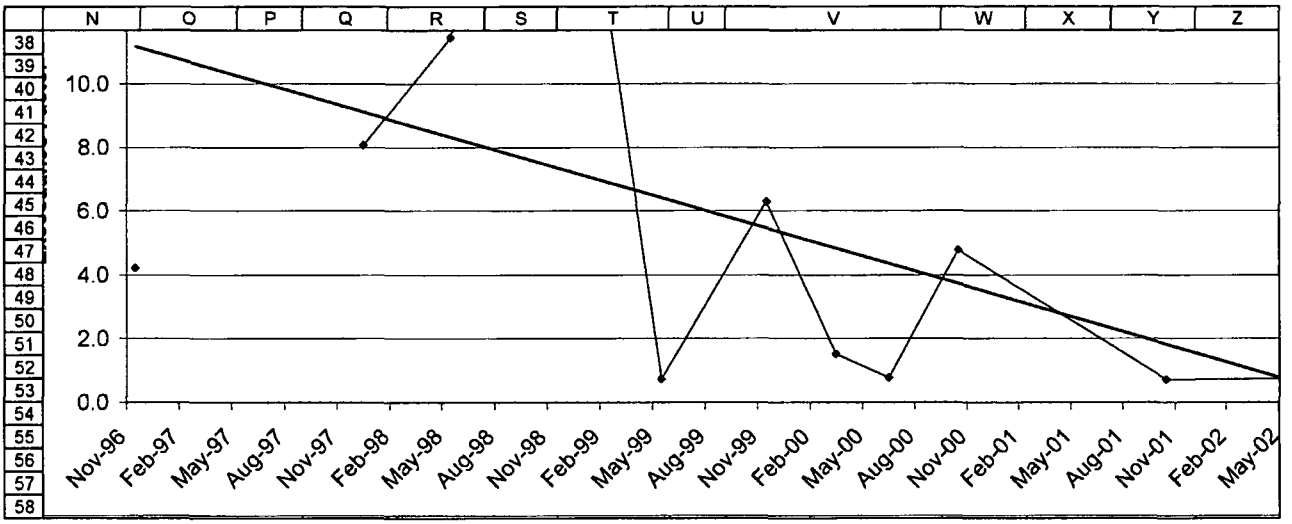

SCHN00376971

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
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39														
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57														
58														

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Zinc												
2													
3													
4	Date	2	3	4	5	6	5/6	7	9	10	11	12	14
5													
6	12/14/1993	0.7	2.3	0.16	0.49	0.11		0.005	0.81				0.48
7	12/14/1994	5.9	0.16	0.13	0.74	0.06		0.05		0.05			0.39
8	2/17/1995	0.64	6.7	0.43	0.03	1.2		0.09					0.52
9	11/27/1995	5.3	0.24	0.18	0.54	0.05		0.15					4.1
10	4/12/1996	8.7	1.9	1.8	0.74	0.29		0.3					0.3
11	11/18/1996	10.4	1.45	7.87	1.27	0.72							
12	5/28/1997	0.03	0.08	0.1		0.11							
13	12/9/1997	4.47	3.21	0.56	3.93	0.28		0.63					
14	5/20/1998	5.72	2.51	2.1	1.61	0.56		0.29					
15	11/23/1998	7.67	0.806	0.973	0.49	0.757		0.237					
16	5/3/1999	1.71	0.262	0.064	0.074	0.012		0.011					
17	11/11/1999	7.87	3.42	0.634	1.57	0.274		0.017					0.547
18	3/4/2000	2.91	1.8	0.218	1.38	0.031		0.085					0.937
19	6/11/2000	1.82	0.485	0.039	0.197	0.005		0.038					
20	10/2												
21	10/3												
22	5/2												
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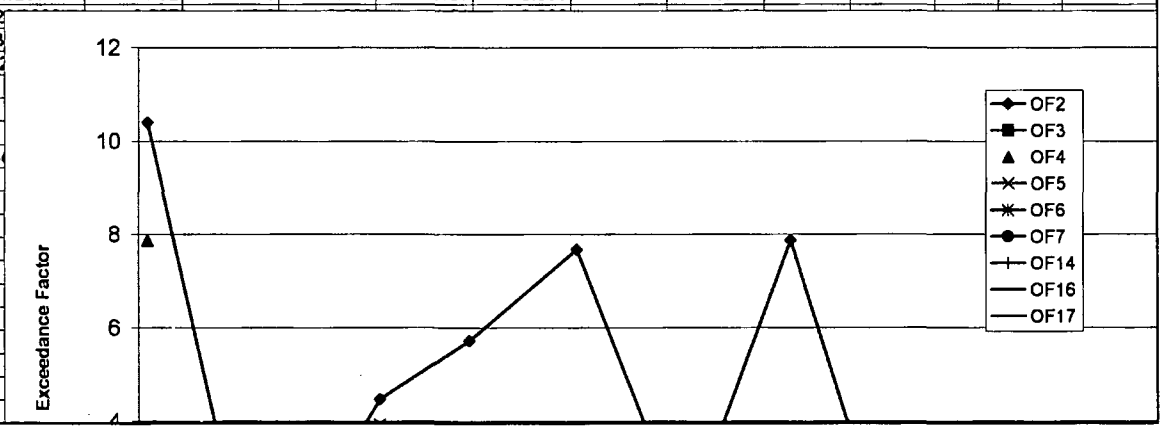

SCHN00376973

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
1															
2															
3															
4	15	16	17	18	20		2	3	4	5	6	5/6	7	9	10
5															
6	0.1	0.21		0.52			1.17	3.83	0.27	0.82	0.18		0.01	1.35	
7	0.15	0.15		1.2			9.83	0.27	0.22	1.23	0.10		0.08		0.08
8	0.2	0.06		0.27			1.07	11.17	0.72	0.05	2.00		0.15		
9	0.26	0.15		0.3			8.83	0.40	0.30	0.90	0.08		0.25		
10		0.28		0.44			14.50	3.17	3.00	1.23	0.48		0.50		
11							17.33	2.42	13.12	2.12	1.20				
12							0.05	0.13	0.17		0.18				
13							7.45	5.35	0.93	6.55	0.47		1.05		
14							9.53	4.18	3.50	2.68	0.93		0.48		
15							12.78	1.34	1.62	0.82	1.26		0.40		
16							2.85	0.44	0.11	0.12	0.02		0.02		
17					0.017		13.12	5.70	1.06	2.62	0.46		0.03		
18		0.429			0.018		4.85	3.00	0.36	2.30	0.05		0.14		
19		0.342			0.017		3.03	0.81	0.07	0.33	0.01		0.06		
20					0.024		0.48	3.83	0.15	2.52	1.15		0.08		
21					0.057		1.73	0.42	0.07			0.14	0.39		
22							0.45	0.13				0.03	0.18		
23															
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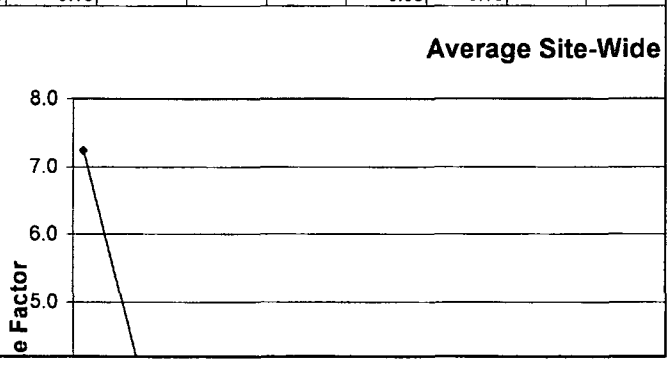

SCHN00376974

	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
1											
2											
3											
4	11	12	14	15	16	17	18	20		Average	
5											
6			0.80	0.17	0.35		0.87			0.89	
7			0.65	0.25	0.25		2.00			1.36	
8			0.87	0.33	0.10		0.45			1.69	
9			6.83	0.43	0.25		0.50			1.88	
10			0.50		0.47		0.73			2.73	
11										7.24	
12										0.13	
13										3.63	
14										3.55	
15										3.04	
16										0.59	
17			0.91					0.03		2.99	
18			1.56		0.72			0.03		1.45	
19					0.57			0.03		0.61	
20								0.04		1.18	
21			2.05					0.10		0.70	
22					1.09					0.37	
23											
24	**Exceedance Factor - Zinc**										
25											
26											
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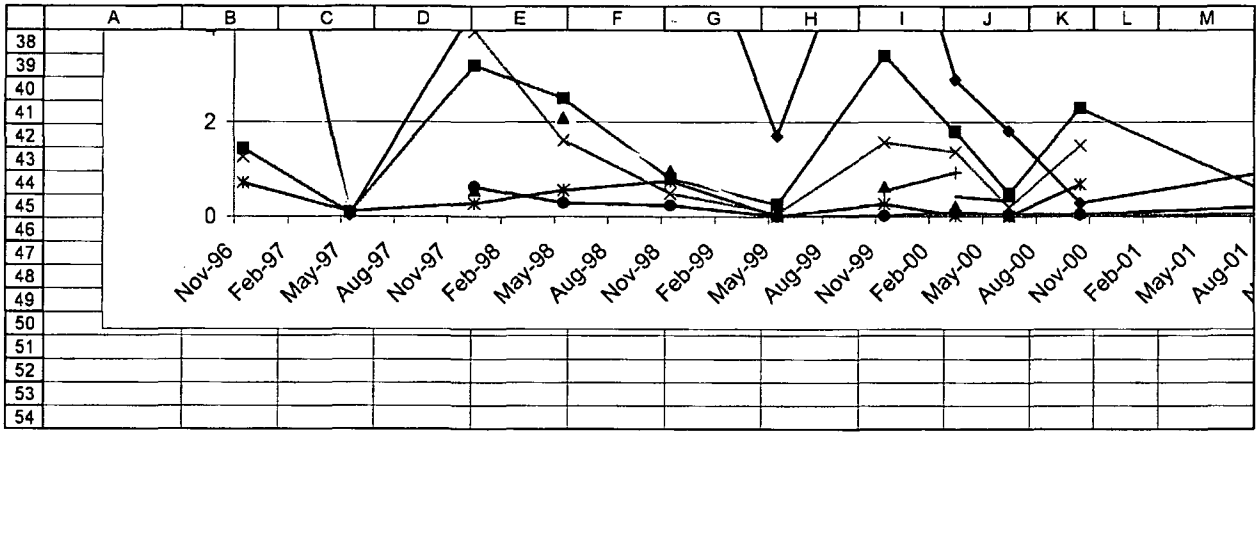

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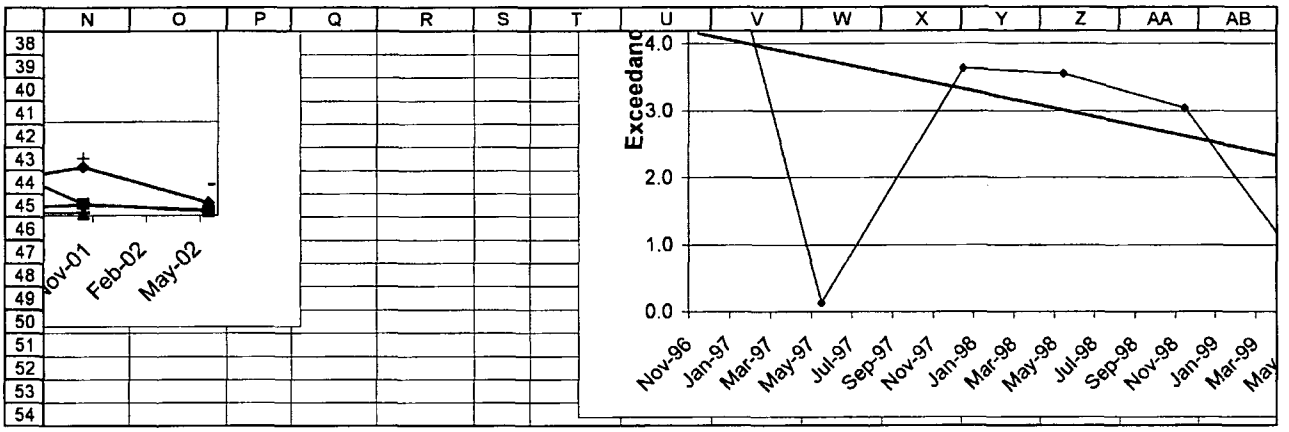

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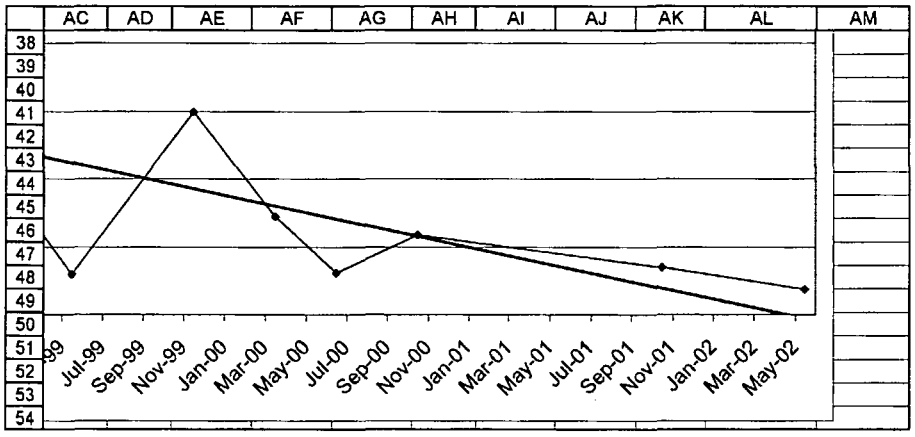
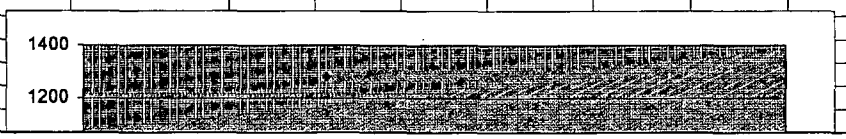
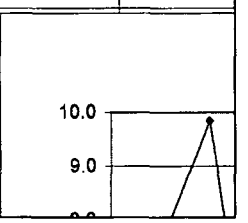


SCHN00376978

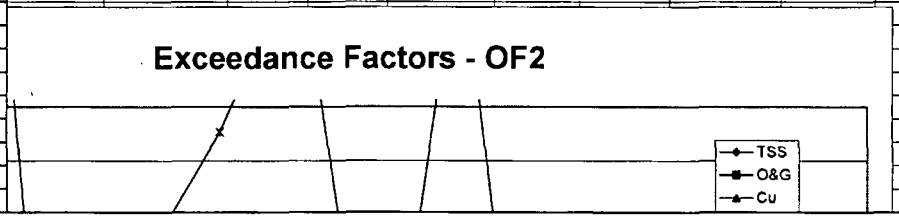
	A	B	C	D	E	F	G	H	I	J	K	L
1												
2												
3												
4	Outfall	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5												
6	2	12/14/1993	8.3	32	4	0.06	0.11	0.7	0.0025	0.004	0.01	0.0001
7	2	12/14/1994	8.43	530	20	0.34	0.74	5.9	0.005	0.026	0.082	0.002
8	2	2/17/1995	7.32	32	2.5	0.05	0.08	0.64	0.005	0.004	0.009	0.0001
9	2	11/27/1995	7.6	420	11	0.42	0.78	5.3	0.005	0.007	0.18	0.0014
10	2	4/12/1996	7.9	720	5.3	0.6	1.2	8.7	0.13	0.024	0.14	0.0029
11	2	11/18/1996	8.17	1280	13.5	0.679	1.57	10.4	0.008	0.03	0.209	0.004
12	2	5/28/1997	7.66	6	2.5		0.002	0.03	2.5	0.002	0.0025	0.00025
13	2	12/9/1997	7.8	184	40	0.31	0.606	4.47	0.0025	0.016	0.041	0.0022
14	2	5/20/1998	7.64	208	12.6	0.624	1.06	5.72				
15	2	11/23/1998	7.56	280	23	0.725	1.06	7.67				
16	2	5/3/1999	7.21	23	12	0.085	0.126	1.71				
17	2	11/11/1999	7.61	200	16	0.663	1.23	7.87				
18	2	3/4/2000	7.79	160	7	0.323	0.396	2.91				
19	2	6/11/2000	7.64	54	12	0.229	0.301	1.82				
20	2	10/20/2000	7.31	13	9.6	0.03	0.019	0.287				
21	2	10/30/2001	7.04	14	5	0.081	0.153	1.04				
22	2	5/22/2002	7.22	13	13	0.17	0.024	0.268				
23												
24												
25												
26		Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												

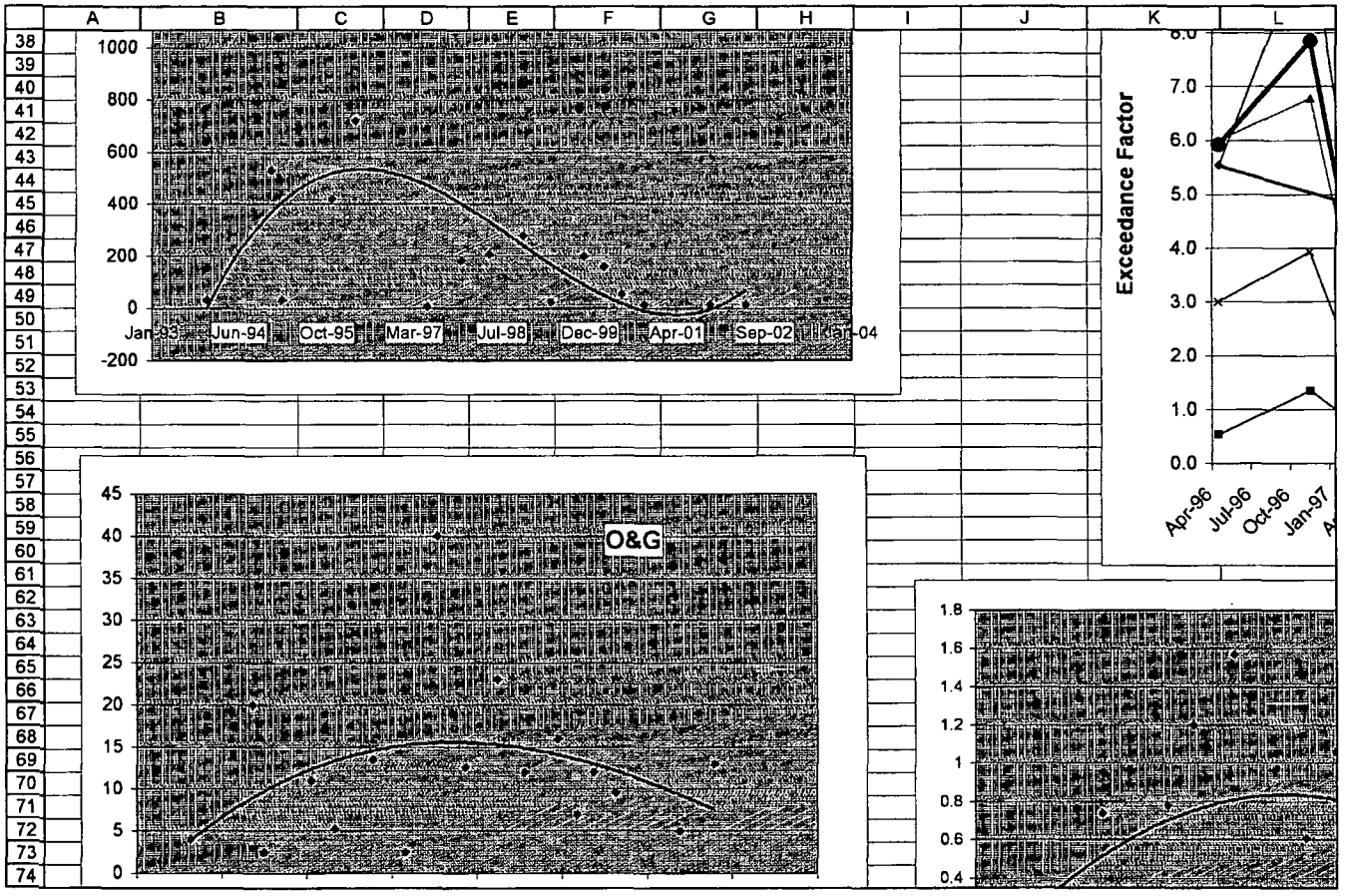




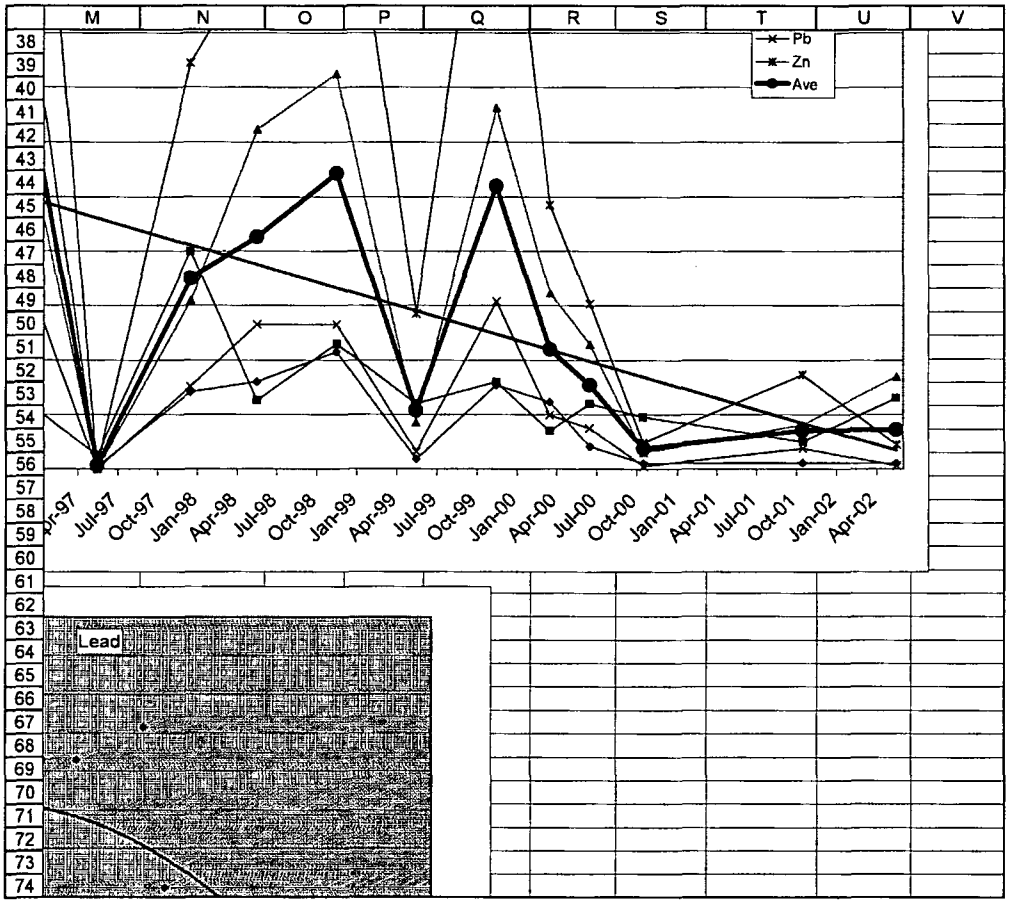
SCHN00376979

	M	N	O	P	Q	R	S	T	U	V
1										
2										
3										
4	Nickel		TSS	TPH	Copper	Lead	Zinc	Average		
5										
6	0.005		0.25	0.40	0.60	0.28	1.17	0.54		
7	0.08		4.08	2.00	3.40	1.85	9.83	4.23		
8	0.005		0.25	0.25	0.50	0.20	1.07	0.45		
9	0.05		3.23	1.10	4.20	1.95	8.83	3.86		
10	0.13		5.54	0.53	6.00	3.00	14.50	5.91		
11	0.141		9.85	1.35	6.79	3.93	17.33	7.85		
12	0.01		0.05	0.25	0.00	0.01	0.05	0.07		
13	0.048		1.42	4.00	3.10	1.52	7.45	3.50		
14			1.60	1.26	6.24	2.65	9.53	4.26		
15			2.15	2.30	7.25	2.65	12.78	5.43		
16			0.18	1.20	0.85	0.32	2.85	1.08		
17			1.54	1.60	6.63	3.08	13.12	5.19		
18			1.23	0.70	3.23	0.99	4.85	2.20		
19			0.42	1.20	2.29	0.75	3.03	1.54		
20			0.10	0.96	0.30	0.05	0.48	0.38		
21			0.11	0.50	0.81	0.38	1.73	0.71		
22			0.10	1.30	1.70	0.06	0.45	0.72		
23										
24										
25										
26	7									
27										
28										
29										
30										
31										
32										
33										
34										
35										
36										
37										





SCHN00376981



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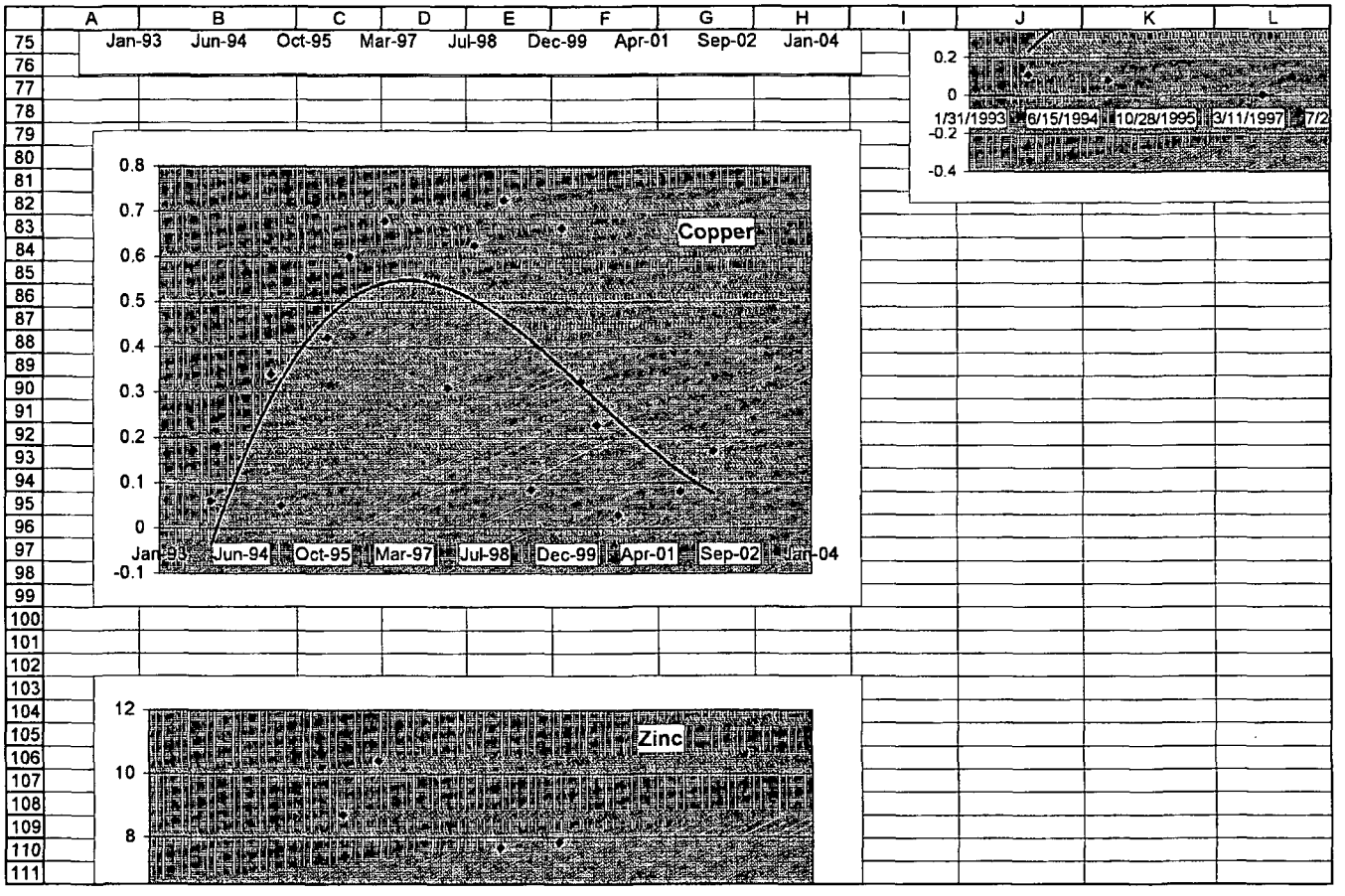

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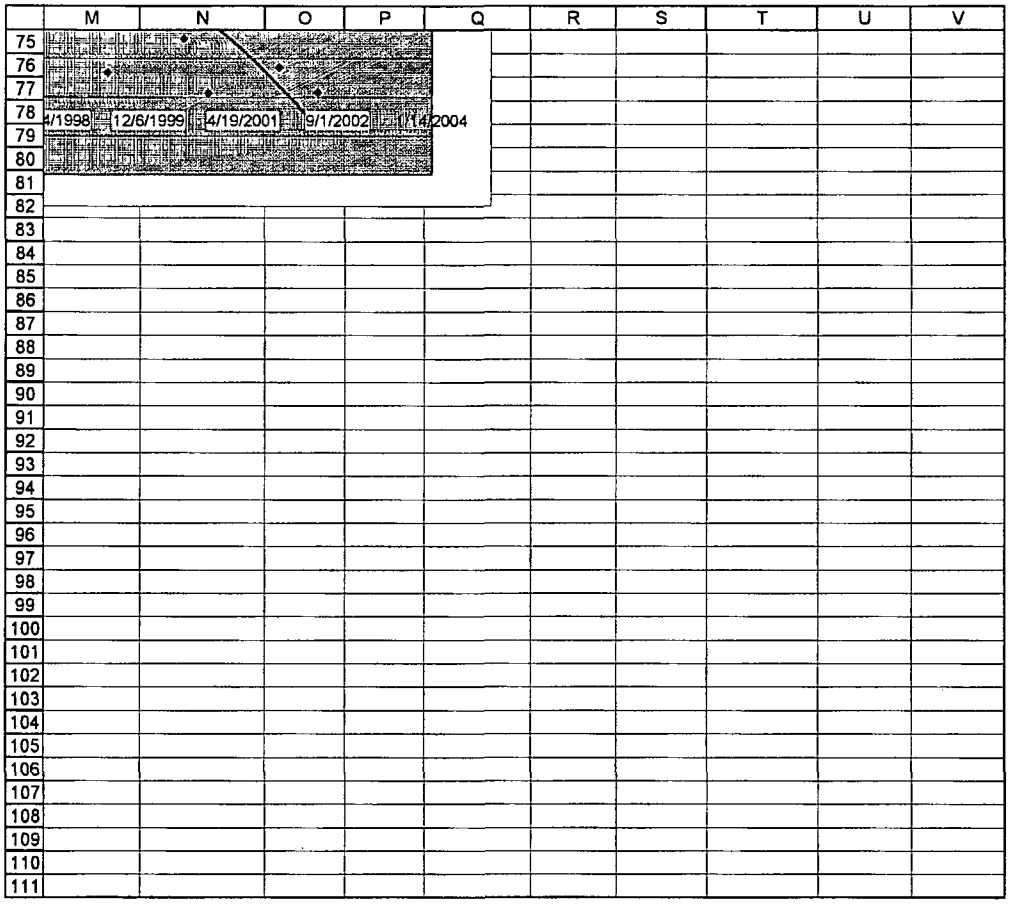

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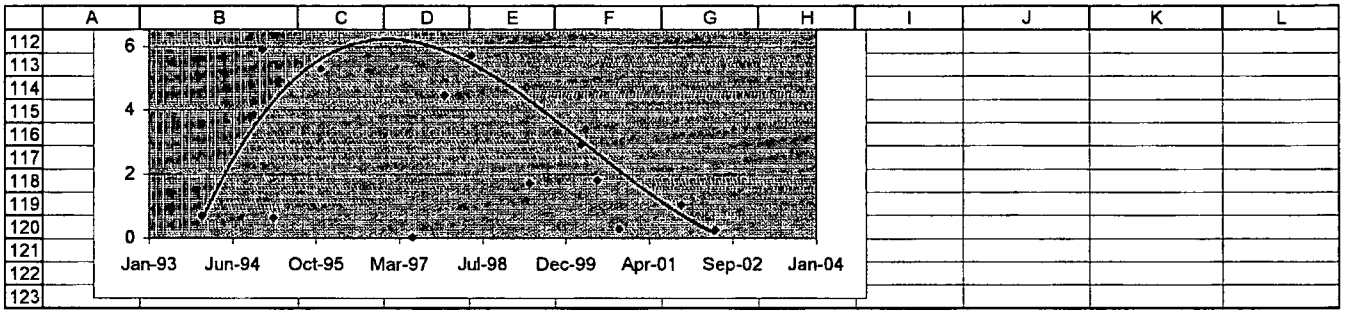

SCHN00376985

	A	B	C	D
1				
2				
3				
4	Outfall	Date	pH	TSS
5				
6	3	12/14/1993	8.03	160
7	3	12/14/1994	7.52	8
8	3	2/17/1995	8.15	340
9	3	11/27/1995	7.5	27
10	3	4/12/1996	8.4	250
11	3	11/18/1996	7.91	304
12	3	5/28/1997	7.77	13
13	3	12/9/1997	7.63	96
14	3	5/20/1998	7.96	94
15	3	11/23/1998	6.87	200
16	3	5/3/1999	7.09	2.5
17	3	11/11/1999	7.42	88
18	3	3/4/2000	7.58	77
19	3	6/11/2000	7.65	15
20	3	10/20/2000	8.2	82
21	3	10/30/2001	7.19	10
22	3	5/22/2002	7.38	11
23				
24				
25				
26				
27				
28				
29		Benchmarks[1]		130
30				
31				
32	1			
33				
34	10.0			
35				
36	9.0			
37				

Exceedance Factors - OF3

SCHN00376986

	E	F	G	H	I	J	K	L	M	N	O	P	Q
1													
2													
3													
4	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel		TSS	TPH	Copper
5													
6	2.5	0.025	0.42	2.3	0.005	0.01	0.053	0.0001	0.05		1.23	0.25	0.25
7	6	0.04	0.025	0.16	0.005	0.001	0.004	0.0001	0.05		0.06	0.60	0.40
8	19	0.55	1.1	6.7	0.013	0.031	0.15	0.0029	0.11		2.62	1.90	5.50
9	1.5	0.06	0.05	0.24	0.005	0.001	0.01	0.0001	0.05		0.21	0.15	0.60
10	3.5	0.14	0.26	1.9	0.002	0.0025	0.026	0.0001	0.027		1.92	0.35	1.40
11	8.2	0.17	0.318	1.45	0.0025	0.004	0.058	0.8	0.3		2.34	0.82	1.70
12	2.5		0.015	0.08	0.0025	0.002	0.0025	0.00025	0.01		0.10	0.25	0.00
13	12	0.267	0.424	3.21	0.0025	0.011	0.023	0.0012	0.034		0.74	1.20	2.67
14	5.1	0.586	0.394	2.51							0.72	0.51	5.86
15	9	7.08	0.344	0.806							1.54	0.90	70.80
16	2.5	0.051	0.027	0.262							0.02	0.25	0.51
17	9	0.383	0.56	3.42							0.68	0.90	3.83
18	2.5	0.216	0.24	1.8							0.59	0.25	2.16
19	8.2	0.144	0.109	0.485							0.12	0.82	1.44
20	10	0.554	0.441	2.3							0.63	1.00	5.54
21	5	0.099	0.07	0.252							0.08	0.50	0.99
22	2.5	0.019	0.001	0.076							0.08	0.25	0.19
23													
24													
25													
26													
27													
28													
29	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7				
30													
31													
32													
33													
34													
35													
36													
37						TSS							

SCHN00376987

	R	S	T
1			
2			
3			
4	Lead	Zinc	Average
5			
6	1.05	3.83	1.32
7	0.06	0.27	0.28
8	2.75	11.17	4.79
9	0.13	0.40	0.30
10	0.65	3.17	1.50
11	0.80	2.42	1.61
12	0.04	0.13	0.10
13	1.06	5.35	2.20
14	0.99	4.18	2.45
15	0.86	1.34	15.09
16	0.07	0.44	0.26
17	1.40	5.70	2.50
18	0.60	3.00	1.32
19	0.27	0.81	0.69
20	1.10	3.83	2.42
21	0.18	0.42	0.43
22	0.00	0.13	0.13
23			
24			
25			
26			
27			
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29			
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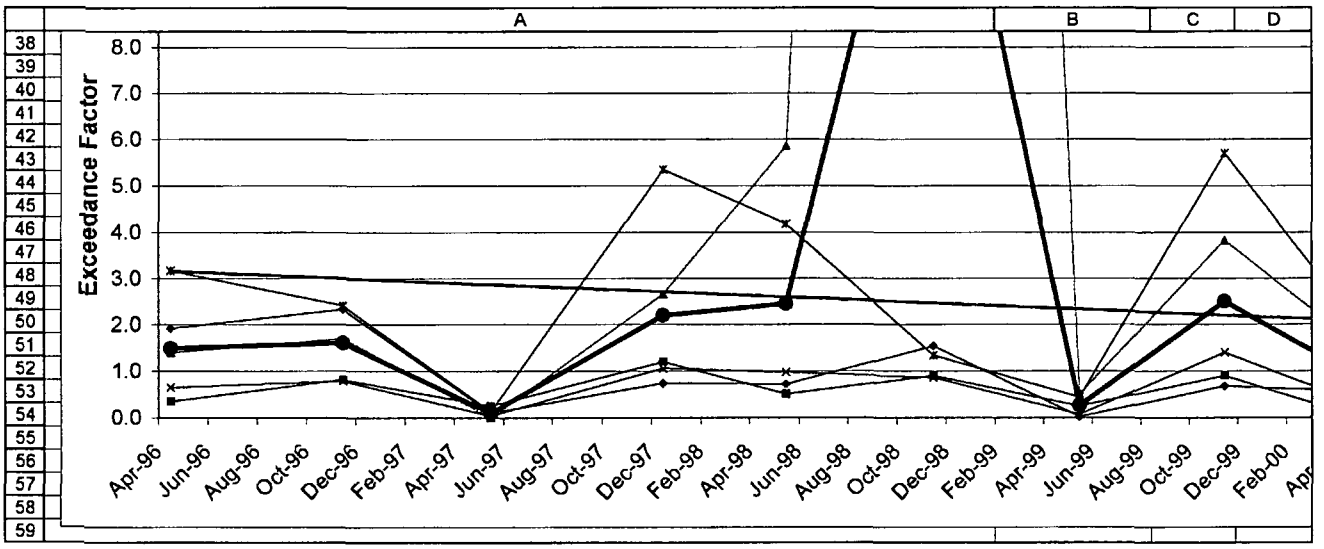
31			
32			
33			
34			
35			
36			
37			



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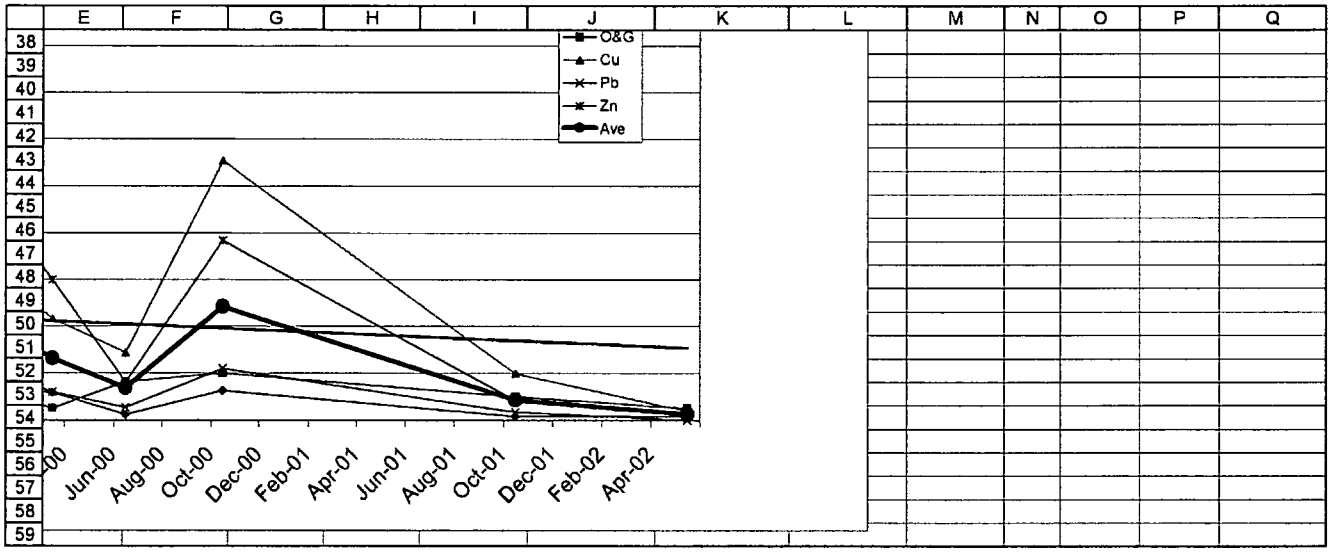

SCHN00376990

	A	B	C	D
1				
2				
3				
4	Outfall	Date	pH	TSS
5				
6	4	12/14/1993	6.85	170
7	4	12/14/1994	7.74	30
8	4	2/17/1995	7.84	250
9	4	11/27/1995	7	64
10	4	4/12/1996	8.1	1200
11	4	11/18/1996	8.39	1350
12	4	5/28/1997	7.71	58
13	4	12/9/1997	9.41	65
14	4	5/20/1998	7.74	360
15	4	11/23/1998	9.75	1120
16	4	5/3/1999	7.06	2.5
17	4	11/11/1999	8.46	287
18	4	3/4/2000	10.35	36
19	4	6/11/2000	7.75	11
20	4	10/20/2000	7.11	30
21	4	10/30/2001	7.94	2.5
22				
23				
24				
25				
26		Benchmarks[1]		130
27				
28				
29	1 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria			
30				
31				
32				
33				
34				
35			20.0	
36				
37			18.0	

SCHN00376991

	E	F	G	H	I	J	K	L	M	N	O	P	Q
1													
2													
3													
4	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel		TSS	TPH	Copper
5													
6	6	0.005	0.06	0.16	0.007	0.002	0.014	0.0001	0.005		1.31	0.60	0.05
7	2.5	0.13	0.033	0.13	0.005	0.001	0.08	0.0001	0.005		0.23	0.25	1.30
8	12	0.08	0.18	0.43	0.005	0.002	0.043	0.0001	0.02		1.92	1.20	0.80
9	1.5	0.02	0.05	0.18	0.005	0.001	0.02	0.0001	0.05		0.49	0.15	0.20
10	1.9	0.19	0.32	1.8	0.006	0.025	0.19	0.0007	0.044		9.23	0.19	1.90
11	18	1.32	2.76	7.87	0.014	0.03	0.3	0.0011	0.227		10.38	1.80	13.20
12	2.5		0.025	0.1	0.0025	0.002	0.0025	0.00025	0.01		0.45	0.25	
13	2.5	1.39	0.146	0.56	0.0025	0.002	0.024	0.00025	0.01		0.50	0.25	13.90
14	5.7	4.23	0.456	2.1							2.77	0.57	42.30
15	18	0.499	0.26	0.973							8.62	1.80	4.99
16	2.5	0.197	0.003	0.064							0.02	0.25	1.97
17	9	2	0.138	0.634							2.21	0.90	20.00
18	2.5	0.138	0.039	0.218							0.28	0.25	1.38
19	2.5	0.101	0.008	0.039							0.08	0.25	1.01
20	2.5	0.296	0.02	0.088							0.23	0.25	2.96
21	2.5	0.045	0.014	0.04							0.02	0.25	0.45
22													
23													
24													
25													
26	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7				
27													
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													

Exceedance Factors - OF4

TSS

SCHN00376992

	R	S	T
1			
2			
3			
4	Lead	Zinc	Average
5			
6	0.15	0.27	0.47
7	0.08	0.22	0.42
8	0.45	0.72	1.02
9	0.13	0.30	0.25
10	0.80	3.00	3.02
11	6.90	13.12	9.08
12	0.06	0.17	0.23
13	0.37	0.93	3.19
14	1.14	3.50	10.06
15	0.65	1.62	3.54
16	0.01	0.11	0.47
17	0.35	1.06	4.90
18	0.10	0.36	0.47
19	0.02	0.07	0.29
20	0.05	0.15	0.73
21	0.04	0.07	0.16
22			
23			
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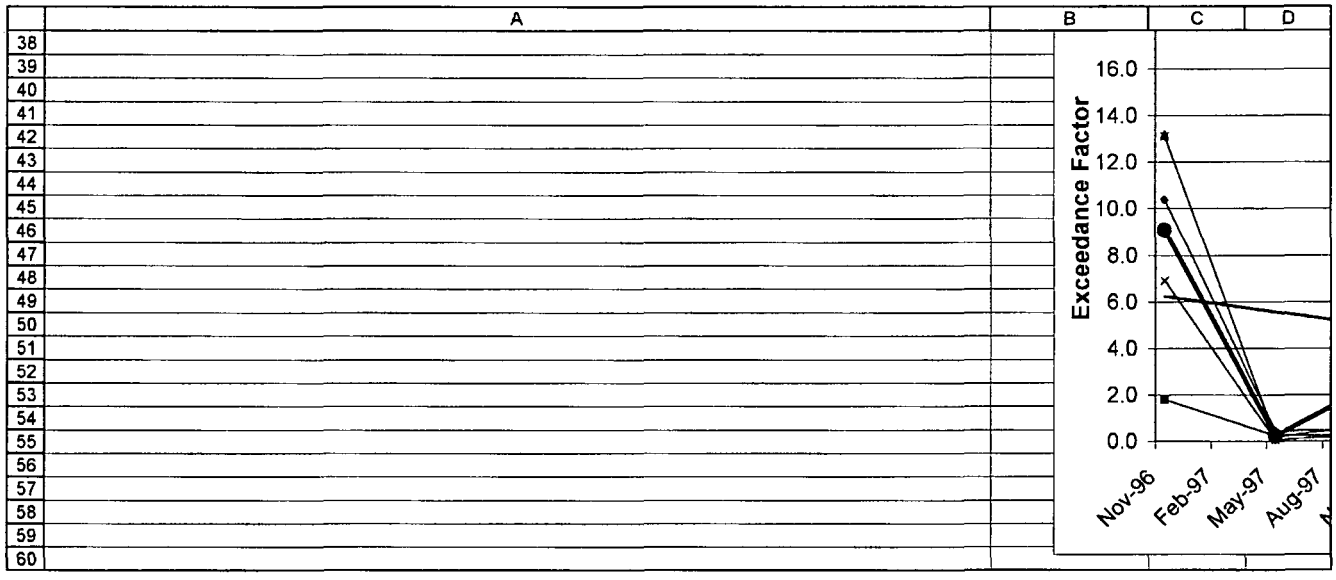
35			
36			
37			



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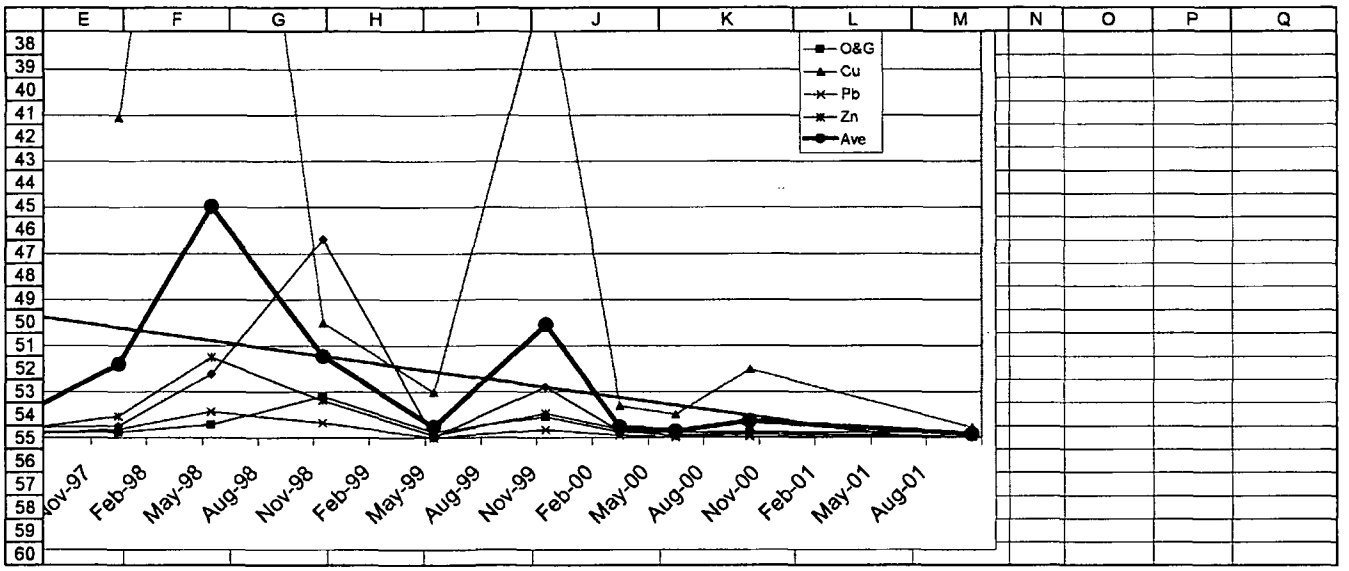
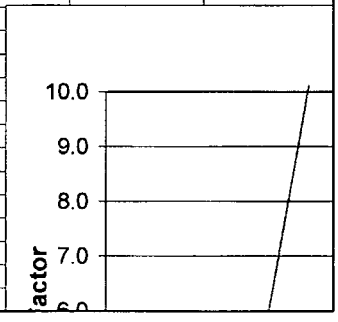


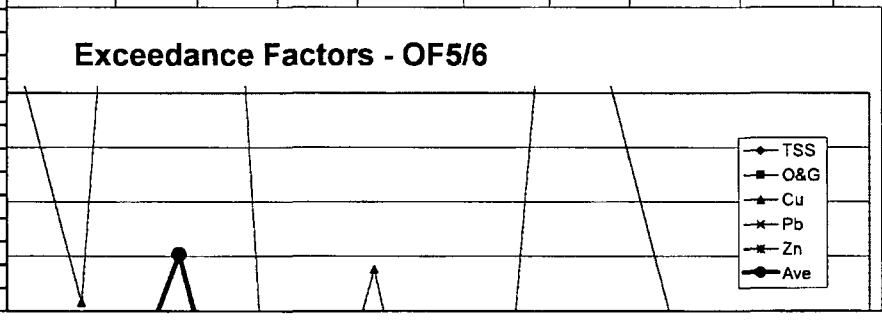
SCHN00376995

	A	B	C	D	E	F	G	H	I	J	K
1											
2											
3											
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	12/14/1993	7.745	120	12	0.07	0.1	0.3	0.0025	0.0025	0.0175	0.0001
7	12/14/1994	8.17	167	8	0.075	0.1655	0.4	0.005	0.0035	0.0305	0.0001
8	2/17/1995	8.705	84	9.25	0.0825	0.1675	0.615	0.005	0.0025	0.0305	0.00085
9	11/27/1995	7.9	157	3.75	0.0625	0.12	0.295	0.005	0.001	0.0275	0.00035
10	4/12/1996	8.55	395	3	0.115	0.23	0.515	0.005	0.0025	0.031	0.00065
11	11/18/1996	8.45	614	10.1	0.1555	0.373	0.995	0.00425	0.002	0.064	0.55065
12	5/28/1997	9.33	52	2.5		0.036	0.11	0.006	0.002	0.022	0.00025
13	12/9/1997	9.235	87	14.25	1.1875	0.7525	2.105	0.0025	0.01	0.1045	0.002525
14	5/20/1998	7.79	271	3.6	0.616	0.361	1.085				
15	11/23/1998	8.665	320	8.5	3.015	0.27	0.6235				
16	5/3/1999	7.045	2.5	2.5	0.0475	0.006	0.043				
17	11/11/1999	8.17	192.5	12.5	0.676	0.1615	0.922				
18	3/4/2000	8.855	69	4.25	0.1465	0.12	0.7055				
19	6/11/2000	7.79	12	2.5	0.0245	0.018	0.101				
20	10/20/2000	8.345	543	2.5	1.42	0.3025	1.099				
21	10/30/2001	7.76	10	2.5	0.027	0.028	0.082				
22	5/22/2002	7.91	2.5	2.5	0.013	0.001	0.015				
23											
24											
25											
26											
27			130	10	0.1	0.4	0.6	4.25			
28											
29											
30											
31											
32											
33											
34											
35											
36											
37											



SCHN00376996

	L	M	N	O	P	Q	R	S	T	U
1										
2										
3										
4	Nickel		TSS	TPH	Copper	Lead	Zinc	Average		
5										
6	0.005		0.92	1.20	0.70	0.25	0.50	0.71		
7	0.05		1.28	0.80	0.75	0.41	0.67	0.78		
8	0.035		0.65	0.93	0.83	0.42	1.03	0.77		
9	0.05		1.21	0.38	0.63	0.30	0.49	0.60		
10	0.033		3.04	0.30	1.15	0.58	0.86	1.18		
11	0.325		4.72	1.01	1.56	0.93	1.66	1.98		
12	0.01		0.40	0.25	0.00	0.09	0.18	0.18		
13	0.0615		0.67	1.43	11.88	1.88	3.51	3.87		
14			2.08	0.36	6.16	0.90	1.81	2.26		
15			2.46	0.85	30.15	0.68	1.04	7.04		
16			0.02	0.25	0.48	0.02	0.07	0.17		
17			1.48	1.25	6.76	0.40	1.54	2.29		
18			0.53	0.43	1.47	0.30	1.18	0.78		
19			0.09	0.25	0.25	0.05	0.17	0.16		
20			4.18	0.25	14.20	0.76	1.83	4.24		
21			0.08	0.25	0.27	0.07	0.14	0.16		
22			0.02	0.25	0.13	0.00	0.03	0.09		
23										
24										



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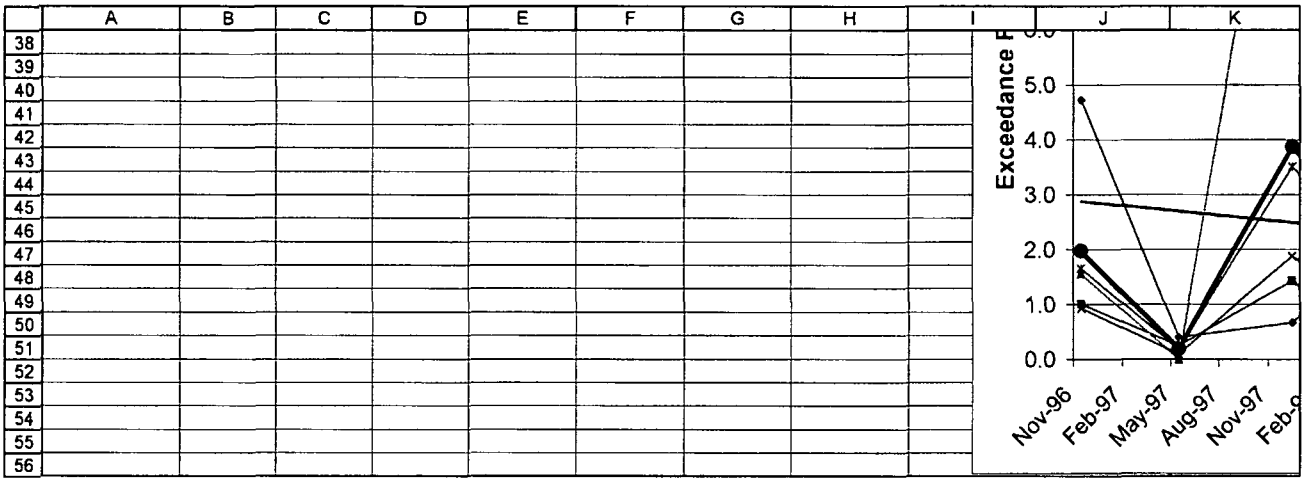

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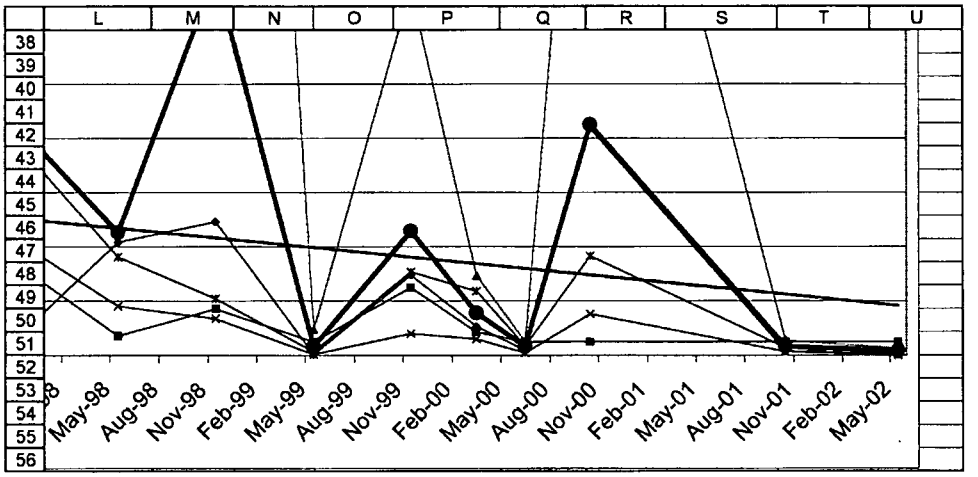

SCHN00376999

	A	B	C	D
1				
2				
3				
4	Outfall	Date	pH	TSS
5				
6	7	12/14/1993	8.24	25
7	7	12/14/1994	9.71	32
8	7	2/17/1995	8.77	80
9	7	11/27/1995	9.1	250
10	7	4/12/1996	9.2	130
11	7	12/9/1997	8.87	452
12	7	5/20/1998	8.16	270
13	7	11/23/1998	8.15	19
14	7	5/3/1999	7.47	8
15	7	11/11/1999	9.45	35
16	7	3/4/2000	8.52	49
17	7	6/11/2000	8.16	2.5
18	7	10/20/2000	7.75	8
19	7	10/30/2001	8.1	36
20	7	5/22/2002	8.42	59
21				
22				
23				
24				
25				
26				
27		Benchmarks[1]		130
28				
29				
30	1			
31				
32				
33	5.0			
34				
35	4.5			
36				
37				

Exceedance Factors - C

SCHN00377000

	E	F	G	H	I	J	K	L	M	N	O	P	Q
1													
2													
3													
4	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel		TSS	TPH	Copper
5													
6	2.5	0.005	0.01	0.005	0.0025	0.001	0.006	0.0001	0.005		0.19	0.25	0.05
7	2.5	0.04	0.017	0.05	0.005	0.001	0.01	0.0001	0.05		0.25	0.25	0.40
8	7	0.02	0.064	0.09	0.005	0.001	0.01	0.0001	0.05		0.62	0.70	0.20
9	4	0.02	0.05	0.15	0.005	0.001	0.03	0.0001	0.05		1.92	0.40	0.20
10	3.5	0.073	0.14	0.3	0.006	0.0025	0.029	0.0003	0.03		1.00	0.35	0.73
11	9	0.505	0.263	0.63	0.0025	0.002	0.031	0.0008	0.01		3.48	0.90	5.05
12	4.5	0.203	0.078	0.29							2.08	0.45	2.03
13	6	0.132	0.088	0.237							0.15	0.60	1.32
14	2.5	0.012	0.003	0.011							0.06	0.25	0.12
15	2.5	0.005	0.006	0.017							0.27	0.25	0.05
16	2.5	0.029	0.036	0.085							0.38	0.25	0.29
17	2.5	0.014	0.011	0.038							0.02	0.25	0.14
18	2.5	0.014	0.015	0.048							0.06	0.25	0.14
19	2.5	0.034	0.059	0.231							0.28	0.25	0.34
20	2.5	0.025	0.016	0.106							0.45	0.25	0.25
21													
22													
23													
24													
25													
26													
27	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7				
28													
29													
30													
31													
32													
33													
34													
35													
36													
37													

SCHN00377001

	R	S	T
1			
2			
3			
4	Lead	Zinc	Average
5			
6	0.03	0.01	0.11
7	0.04	0.08	0.20
8	0.16	0.15	0.37
9	0.13	0.25	0.58
10	0.35	0.50	0.59
11	0.66	1.05	2.23
12	0.20	0.48	1.05
13	0.22	0.40	0.54
14	0.01	0.02	0.09
15	0.02	0.03	0.12
16	0.09	0.14	0.23
17	0.03	0.06	0.10
18	0.04	0.08	0.11
19	0.15	0.39	0.28
20	0.04	0.18	0.23
21			
22			
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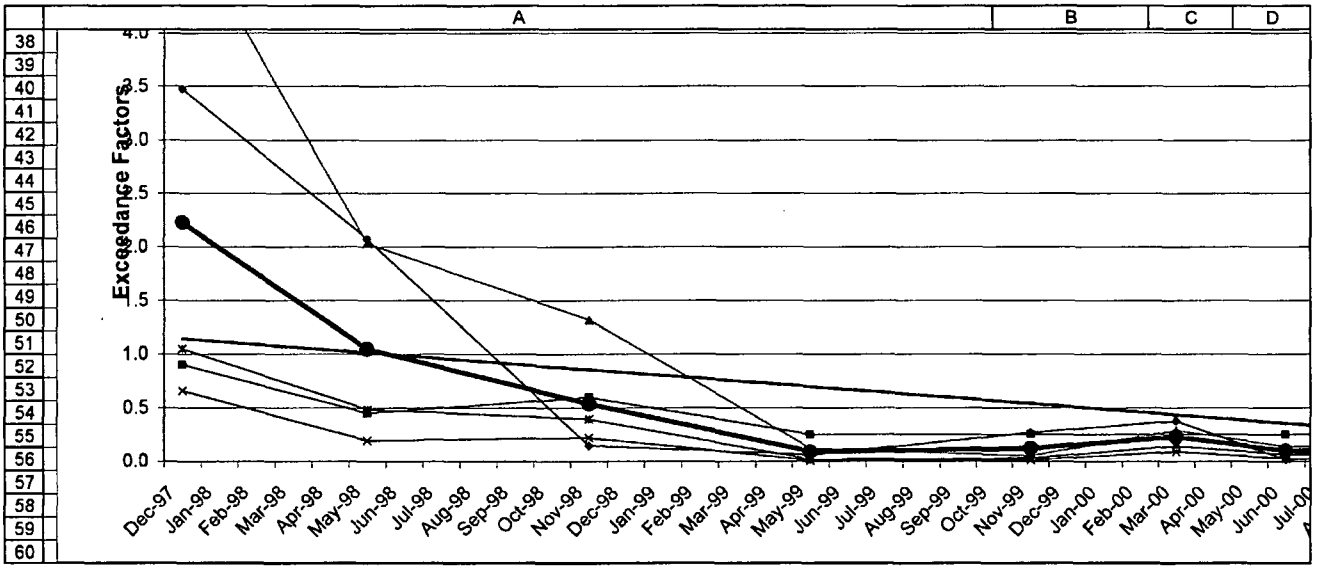
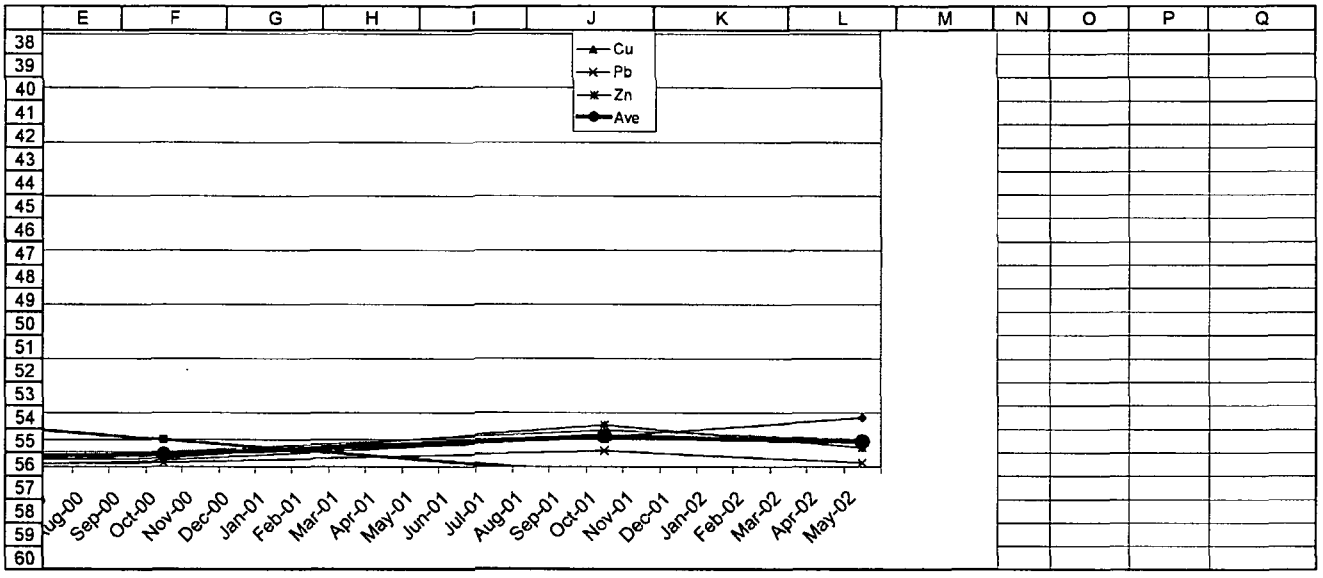


SCHN00377003



SCHN00377004

	A	B	C	D
1				
2				
3				
4	Outfall	Date	pH	TSS
5				
6	14	12/14/1993	7.99	100
7	14	12/14/1994	7.76	81
8	14	2/17/1995	9.08	40
9	14	11/27/1995	8.8	460
10	14	4/12/1996	7.7	56
11	14	11/11/1999	8.25	13
12	14	3/10/2000	7.28	
13	14	10/30/2001	7.67	
14				
15				6
16		Benchmarks[1]		
17				
18				5
19	1 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria			
20				
21				
22				4
23				
24				
25				3
26				
27				
28				2
29				
30				
31				1
32				
33				
34				
35				0
36				
37				

Exceedance Factor

SCHN00377005

	E	F	G	H	I	J	K	L	M	N	O	P	Q
1													
2													
3													
4	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel		TSS	TPH	Copper
5													
6	6	0.1	0.26	0.48	0.0025	0.002	0.04	0.0001	0.005		0.77	0.60	1.00
7	11	0.11	0.19	0.39	0.005	0.002	0.036	0.0006	0.01		0.62	1.10	1.10
8	8	0.11	0.21	0.52	0.005	0.002	0.039	0.001	0.02		0.31	0.80	1.10
9	14	0.64	1.2	4.1	0.02	0.01	0.45	0.0046	0.05		3.54	1.40	6.40
10	3.1	0.067	0.11	0.3	0.01	0.0025	0.017	0.0001	0.01		0.43	0.31	0.67
11	12	0.052	0.034	0.547							0.10	1.20	0.52
12												0.25	1.70
13												0.25	1.93
14													
15													
16													
17													
18													
19													
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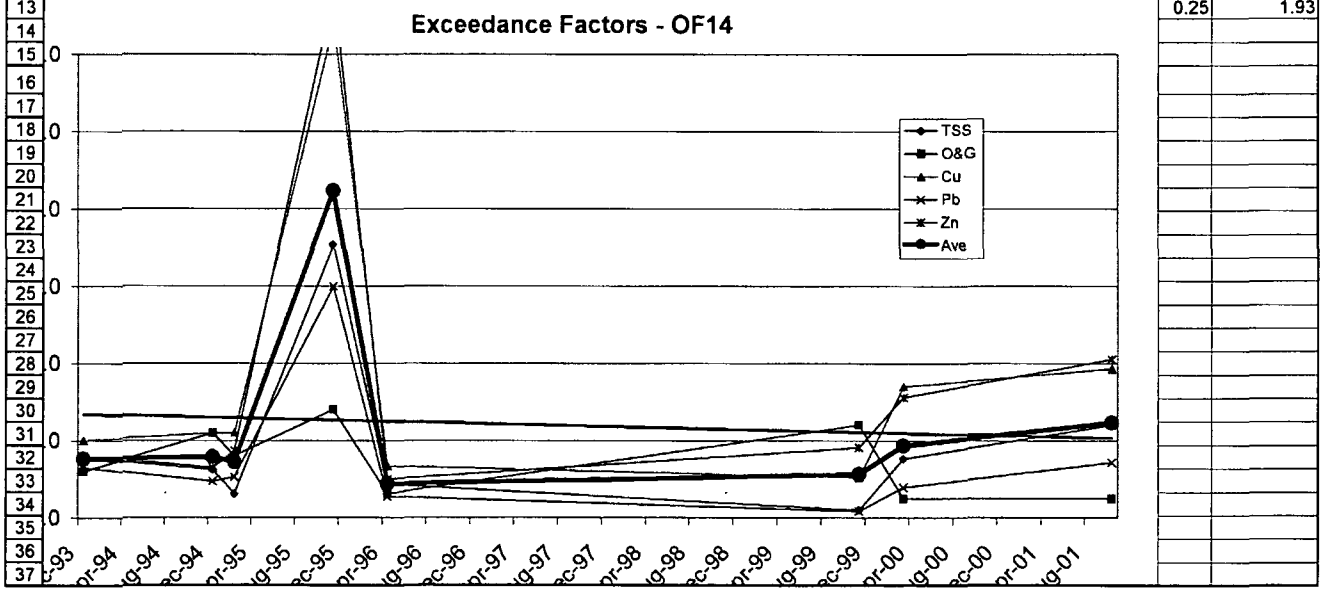

SCHN00377006

	R	S	T
1			
2			
3			
4	Lead	Zinc	Average
5			
6	0.65	0.80	0.76
7	0.48	0.65	0.79
8	0.53	0.87	0.72
9	3.00	6.83	4.23
10	0.28	0.50	0.44
11	0.09	0.91	0.56
12	0.40	1.56	0.93
13	0.72	2.05	1.23
14			
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36			
37			

	A	B	C	D
38				
39				

SCHN00377008

	E	F	G	H	I	J	K	L	M	N	O	P	Q
38	Ar Ad	Dc Ar	Ad Dc	Ar Ad	Dc Ar	Ad Dc	Ar Ad	Dc Ar	Ad Dc	Ar Ad			
39													

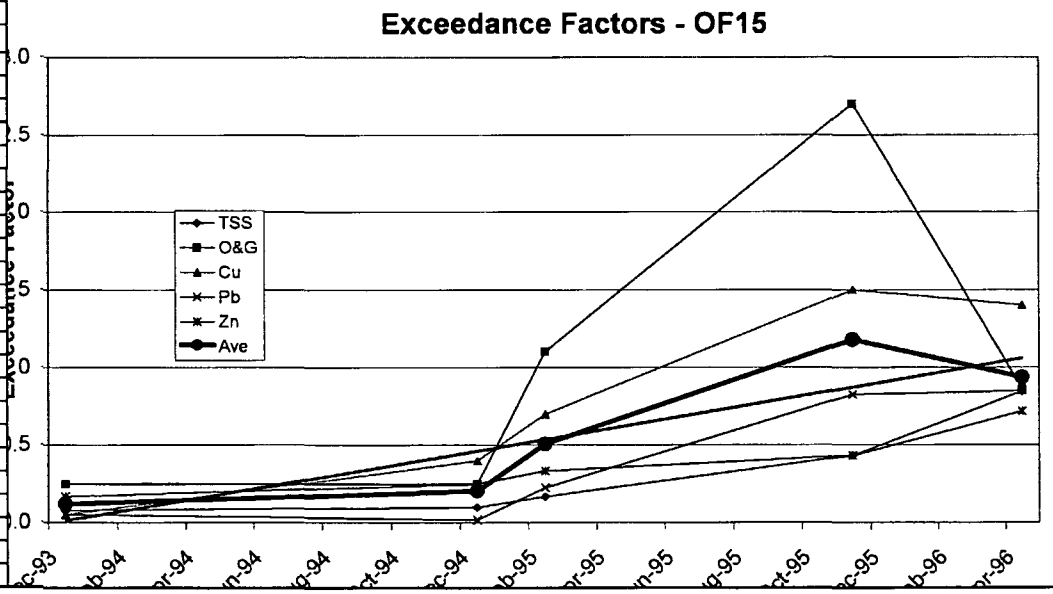
SCHN00377009

	A	B	C	D
1				
2				
3				
4	Outfall	Date	pH	TSS
5				
6	15	12/14/1993	7.93	10
7	15	12/14/1994	7.79	13
8	15	2/17/1995	7.74	22
9	15	11/27/1995	7.9	56
10	15	4/12/1996	8.5	110
11				
12				
13				
14		Benchmarks[1]		
15				3
16				
17	1 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria			
18				2
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				0
32				
33				
34				
35				0
36				
37				

Exceedance Factor

SCHN00377010

	E	F	G	H	I	J	K	L	M	N	O	P	Q
1													
2													
3													
4	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel		TSS	TPH	Copper
5													
6	2.5	0.005	0.02	0.1	0.0025	0.001	0.012	0.0001	0.005		0.08	0.25	0.05
7	2.5	0.04	0.007	0.15	0.005	0.001	0.006	0.0001	0.06		0.10	0.25	0.40
8	11	0.07	0.09	0.2	0.005	0.001	0.012	0.0001	0.02		0.17	1.10	0.70
9	27	0.15	0.33	0.26	0.005	0.003	0.03	0.0004	0.05		0.43	2.70	1.50
10	8.6	0.14	0.34	0.43	0.006	0.0025	0.19	0.001	0.037		0.85	0.86	1.40
11													



SCHN00377011

	R	S	T
1			
2			
3			
4	Lead	Zinc	Average
5			
6	0.05	0.17	0.12
7	0.02	0.25	0.20
8	0.23	0.33	0.51
9	0.83	0.43	1.18
10	0.85	0.72	0.93
11			
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	A	B	C	D
38				
39				
40				

SCHN00377013

	E	F	G	H	I	J	K	L	M	N	O	P	Q
38	De	Fe	Ap	Ju	Au	Oc	De	Fe	Ap	Ju	Au	Oc	De	Fe	Ap			
39													
40													

SCHN00377014

	A	B	C	D
1				
2				
3				
4	Outfall	Date	pH	TSS
5				
6	16	12/14/1993	7.6	56
7	16	12/14/1994	7.3	12
8	16	2/17/1995	7.53	6
9	16	11/27/1995	7.4	17
10	16	4/12/1996	8.1	89
11	16	3/10/2000	7.09	40
12	16	10/20/2000	7.18	64
13	16	5/22/2002	7.09	73
14				
15				
16		Benchmarks[1]		130
17				
18				
19	1 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria			
20				
21				
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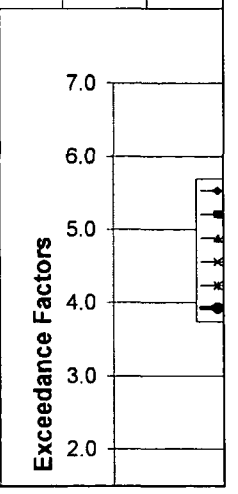

SCHN00377015

	E	F	G	H	I	J	K	L	M	N	O	P	Q
1													
2													
3													
4	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel		TSS	TPH	Copper
5													
6	13	0.07	0.08	0.21	0.0025	0.004	0.019	0.0001	0.01		0.43	1.30	0.70
7	2	0.03	0.022	0.15	0.005	0.001	0.006	0.0001	0.1		0.09	0.20	0.30
8	8	0.005	0.017	0.06	0.005	0.003	0.005	0.0001	0.03		0.05	0.80	0.05
9	1.5	0.03	0.05	0.15	0.005	0.001	0.01	0.0001	0.05		0.13	0.15	0.30
10	4.3	0.098	0.24	0.28	0.002	0.0025	0.005	0.0004	0.04		0.68	0.43	0.98
11	**64**	0.191	0.177	0.429							0.31	6.40	1.91
12	2.5	0.09	0.094	0.342							0.49	0.25	0.90
13	7.1	0.144	0.164	0.654							0.56	0.71	1.44
14													
15													
16	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7				
17													
18													
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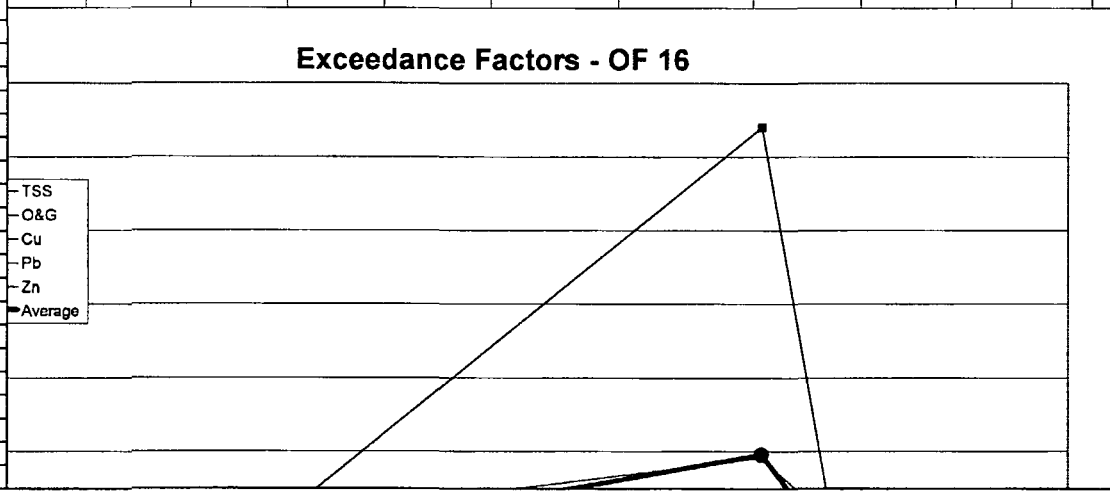

SCHN00377016

	R	S	T
1			
2			
3			
4	Lead	Zinc	Average
5			
6	0.20	0.35	0.60
7	0.06	0.25	0.18
8	0.04	0.10	0.21
9	0.13	0.25	0.19
10	0.60	0.47	0.63
11	0.44	0.72	1.96
12	0.24	0.57	0.49
13	0.41	1.09	0.84
14			
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17			
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	A	B	C	D
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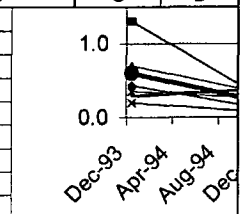
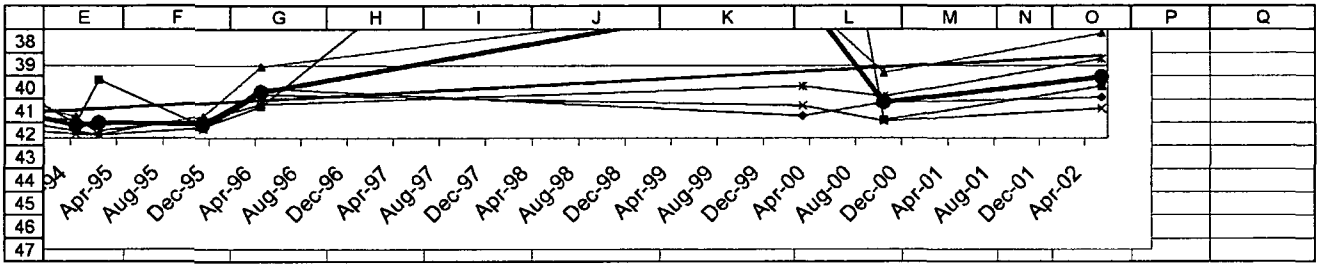
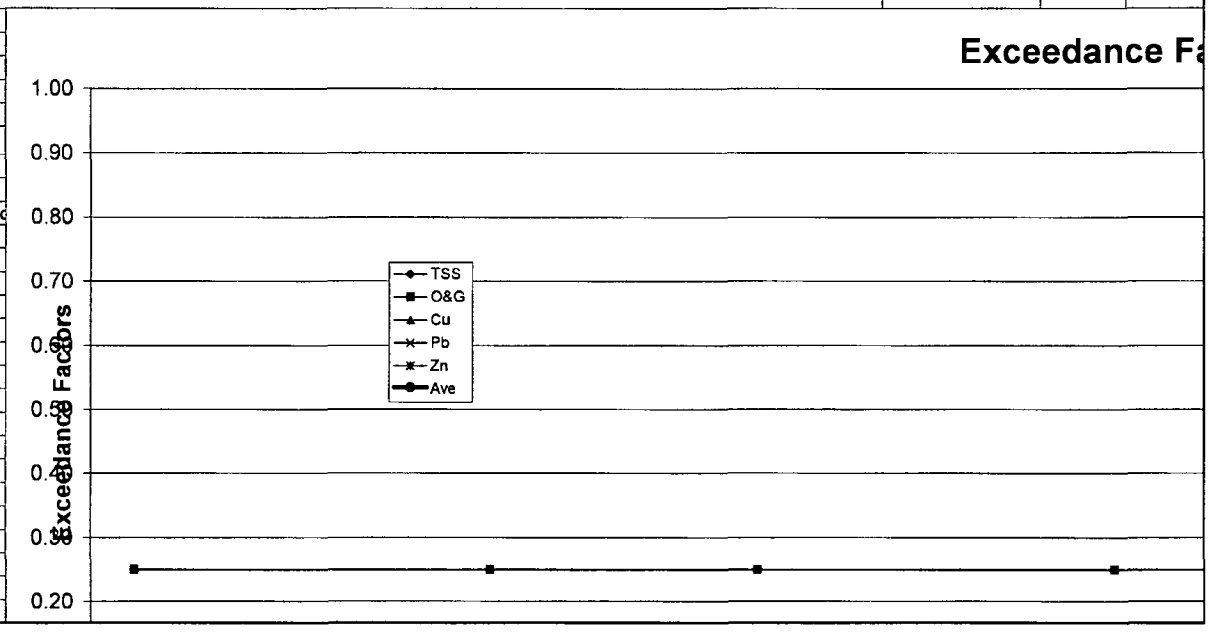


SCHN00377018



SCHN00377019

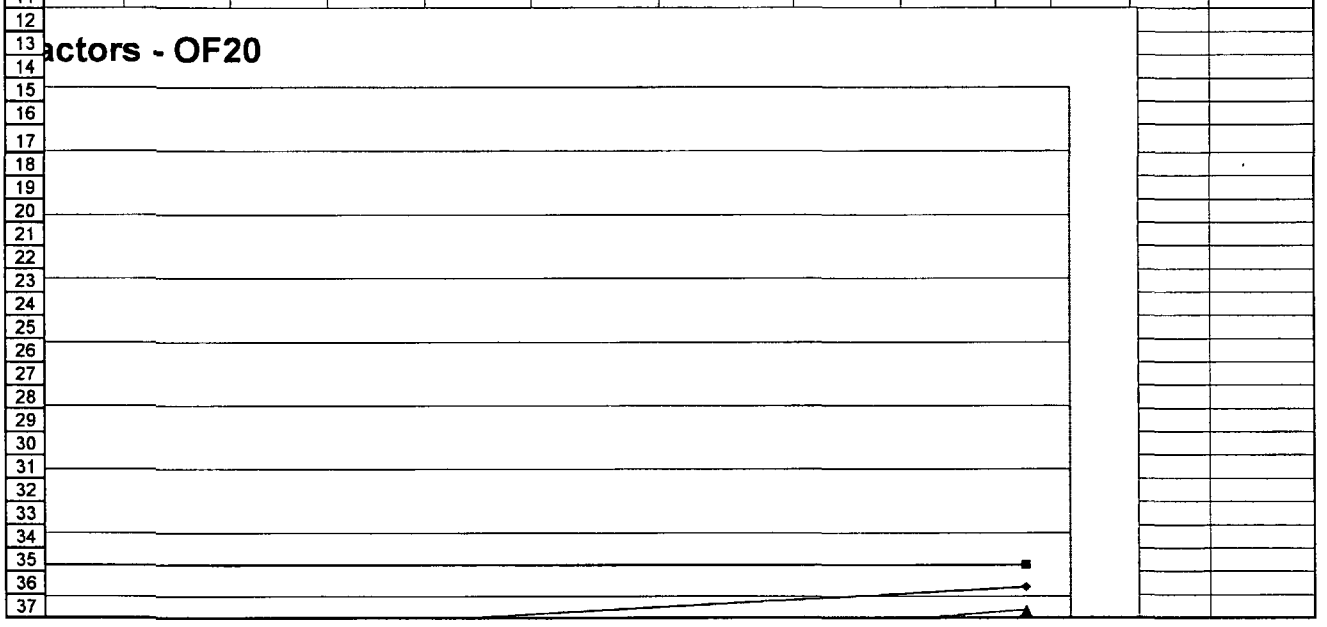
	A	B	C	D
1				
2				
3				
4	Outfall	Date	pH	TSS
5				
6	20	11/11/1999	9.45	20
7	20	3/4/2000	9.4	14
8	20	6/11/2000	8.45	8
9	20	10/20/2000	6.95	16
10	20	10/30/2001	8.23	28
11				



1 - Benc

SCHN00377020

	E	F	G	H	I	J	K	L	M	N	O	P	Q
1													
2													
3													
4	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel		TSS	TPH	Copper
5													
6	2.5	0.005	0.006	0.017							0.15	0.25	0.05
7	2.5	0.005	0.006	0.018							0.11	0.25	0.05
8	2.5	0.005	0.006	0.017							0.06	0.25	0.05
9	2.5	0.005	0.003	0.024							0.12	0.25	0.05
10	2.5	0.018	0.028	0.057							0.22	0.25	0.18
11													



SCHN00377021

	R	S	T
1			
2			
3			
4	Lead	Zinc	Average
5			
6	0.02	0.03	0.10
7	0.02	0.03	0.09
8	0.02	0.03	0.08
9	0.01	0.04	0.09
10	0.07	0.10	0.16
11			
12			
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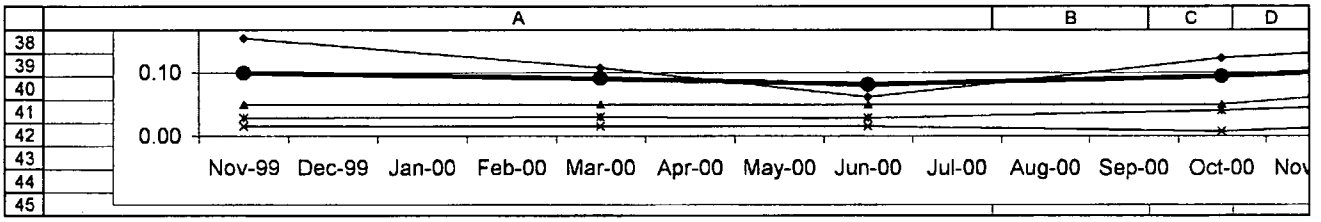

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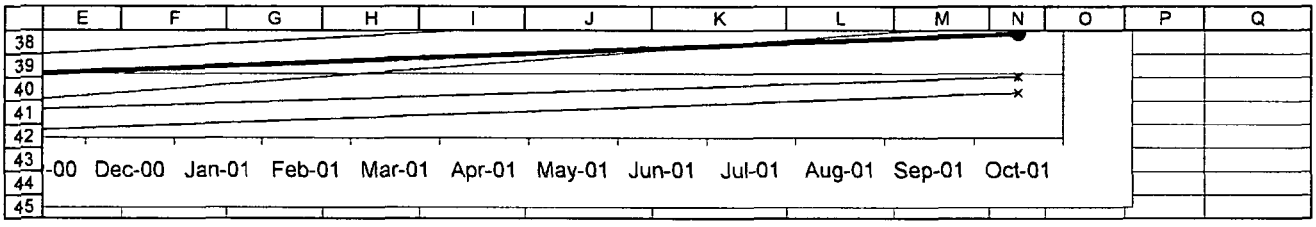

SCHN00377024

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2													
3													
4	Date	2	3	4	5/6	7	14	15	16	20	Average		
5													
6	12/14/1993	0.54	1.32	0.47	0.71	0.11	0.76	0.12	0.60	0.10	0.53		
7	12/14/1994	4.23	0.28	0.42	0.78	0.20	0.79	0.20	0.18	0.09	0.80		
8	2/17/1995	0.45	4.79	1.02	0.77	0.37	0.72	0.51	0.21	0.08	0.99		
9	11/27/1995	3.86	0.30	0.25	0.60	0.58	4.23	1.18	0.19	0.09	1.25		
10	4/12/1996	5.91	1.50	3.02	1.18	0.59	0.44	0.93	0.63	0.16	1.60		
11	11/18/1996	7.85	1.61	9.08	1.98	2.226884615	0.56				3.88		
12	5/28/1997	0.07	0.10	0.23	0.18	1.047051282					0.33		
13	12/9/1997	3.50	2.20	3.19	3.87	0.54					2.66		
14	5/20/1998	4.26	2.45	10.06	2.26	0.09					3.82		
15	11/23/1998	5.43	15.09	3.54	7.04	0.12					6.24		
16	5/3/1999	1.08	0.26	0.47	0.17	0.23					0.44		
17	11/11/1999	5.19	2.50	4.90	2.29	0.10					3.00		
18	3/4/2000	2.20	1.32	0.47	0.78	0.11	0.93		1.96		1.11		
19	6/11/2000	1.54	0.69	0.29	0.16	0.28					0.59		
20	10/20/2000	0.38	2.42	0.73	4.24	0.23			0.49		1.42		
21	10/30/2001	0.71	0.43	0.16	0.16	0.28	1.23				0.50		
22	5/22/2002	0.72	0.13		0.09	0.23			0.84		0.40		
23													
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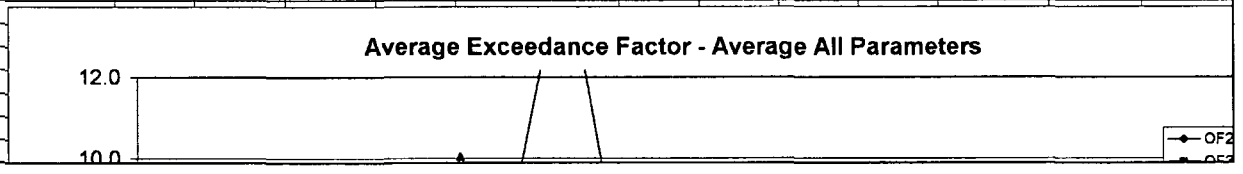

SCHN00377025

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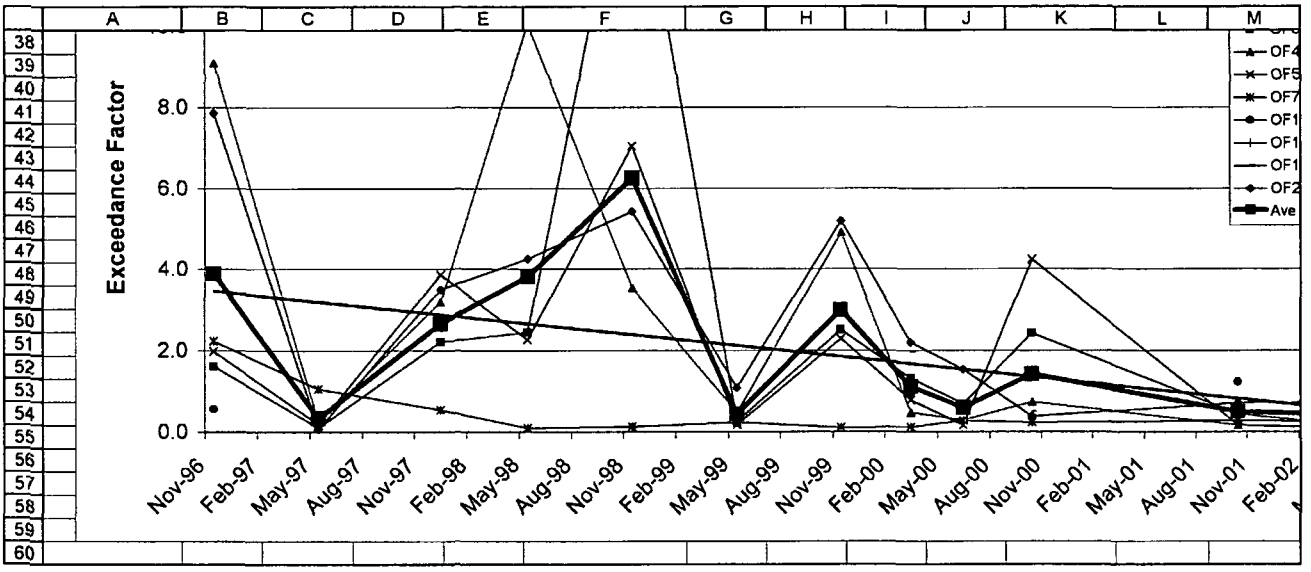
SCHN00377026



SCHN00377027

	N	O
38		
39	76	
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41	4	
42	5	
43	6	
44	0	
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54	6	
55	1	
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57	May-02	
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SCHN00377028

	A	B	C	D
1				
2				
3		New Drainage	Old Drainage	
4	Outfall[1]	Basin[2]	Basin[3]	Date
5				
6	2	2	2	12/14/1993
7	3	3	3	12/14/1993
8	4	4	4	12/14/1993
9	5	5	5	12/14/1993
10	6	5	6	12/14/1993
11	7	6	7	12/14/1993
12	9	9	9	12/14/1993
13	14	14	14	12/14/1993
14	15	15	15	12/14/1993
15	16	16	16	12/14/1993
16	18	18	18	12/14/1993
17	11?	?	?	12/14/1993
18	12?	?	?	12/14/1993
19	17?	?	?	12/14/1993
20	2	2	2	12/14/1994
21	3	3	3	12/14/1994
22	4	4	4	12/14/1994
23	5	5	5	12/14/1994
24	6	5	6	12/14/1994
25	7	6	7	12/14/1994
26	10	10	10	12/14/1994
27	14	14	14	12/14/1994
28	15	15	15	12/14/1994
29	16	16	16	12/14/1994
30	18	18	18	12/14/1994
31	11?	?	?	12/14/1994
32	12?	?	?	12/14/1994
33	17?	?	?	12/14/1994
34	2	2	2	2/17/1995
35	3	3	3	2/17/1995
36	4	4	4	2/17/1995
37	5	5	5	2/17/1995
38	6	5	6	2/17/1995
39	7	6	7	2/17/1995
40	14	14	14	2/17/1995
41	15	15	15	2/17/1995
42	16	16	16	2/17/1995
43	18	18	18	2/17/1995

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1																	
2																	
3																	
4	pH	TSS		TPH		Copper		Lead		Zinc		Arsenic		Cadmium		Chromium	
5																	
6	8.3	32		4		0.06		0.11		0.7		0.005	U	0.004		0.01	
7	8.03	160		5	U	0.025		0.42		2.3		0.005		0.01		0.053	
8	6.85	170		6		0.01	U	0.06		0.16		0.007		0.002		0.014	
9	7.77	110		13		0.08		0.14		0.49		0.005	U	0.004		0.025	
10	7.72	130		11		0.06		0.06		0.11		0.005	U	0.001		0.01	
11	8.24	25		5	U	0.01	U	0.01		0.01	U	0.005	U	0.002	U	0.006	
12	8.64	330		5	U	0.15		0.68		0.81		0.005	U	0.03		0.048	
13	7.99	100		6		0.1		0.26		0.48		0.005	U	0.002		0.04	
14	7.93	10		5	U	0.01	U	0.02		0.1		0.005	U	0.001		0.012	
15	7.6	56		13		0.07		0.08		0.21		0.005	U	0.004		0.019	
16	8.24	25		8		0.16		0.31		0.52		0.005		0.003		0.059	
17	9.55	85		5	U	0.01	U	0.3		0.12		0.005	U	0.002	U	0.011	
18	7.7	70		5	U	0.2		0.39		0.67		0.005	U	0.003		0.054	
19	9.04	38		5	U	0.01	U	0.09		0.28		0.005	U	0.001		0.026	
20	8.43	530		20		0.34		0.74		5.9		0.01	U	0.026		0.082	
21	7.52	8		6		0.04		0.025		0.16		0.01	U	0.002	U	0.004	
22	7.74	30		5	U	0.13		0.033		0.13		0.01	U	0.002	U	0.08	
23	7.46	280		8		0.12		0.3		0.74		0.01	U	0.006		0.048	
24	8.88	54		8		0.03		0.031		0.06		0.01	U	0.002	U	0.013	
25	9.71	32		5	U	0.04		0.017		0.05		0.01	U	0.002	U	0.01	
26	7.75	10		5	U	0.01	U	0.005		0.05		0.01	U	0.002	U	0.01	U
27	7.76	81		11		0.11		0.19		0.39		0.01	U	0.002		0.036	
28	7.79	13		5	U	0.04		0.007		0.15		0.01	U	0.002	U	0.006	
29	7.3	12		2		0.03		0.022		0.15		0.01	U	0.002	U	0.006	
30	7.28	180		9		0.66		0.55		1.2		0.013		0.011		0.05	
31	7.66	76		5		0.05		0.056		0.13		0.01	U	0.002	U	0.014	
32	7.32	65		7		0.19		0.32		0.6		0.006		0.003		0.054	
33	8.52	180		6		0.28		0.55		0.77		0.006		0.006		0.095	
34	7.32	32		5	U	0.05		0.08		0.64		0.01	U	0.004		0.009	
35	8.15	340		19		0.55		1.1		6.7		0.013		0.031		0.15	
36	7.84	250		12		0.08		0.18		0.43		0.01	U	0.002		0.043	
37	9.8	28		5	U	0.01	U	0.005		0.03		0.01	U	0.002	U	0.01	U
38	7.61	140		16		0.16		0.33		1.2		0.01	U	0.004		0.056	
39	8.77	80		7		0.02		0.064		0.09		0.01	U	0.002	U	0.01	
40	9.08	40		8		0.11		0.21		0.52		0.01	U	0.002		0.039	
41	7.74	22		11		0.07		0.09		0.2		0.01	U	0.002	U	0.012	
42	7.53	6		8		0.01	U	0.017		0.06		0.01	U	0.003		0.01	U
43	7.64	36		15		0.23		0.07		0.27		0.009		0.001		0.01	

	V	W	X	Y	Z	AA
1						
2						
3						
4	Mercury		Nickel		COD	
5						
6	0.0002	U	0.01	U		
7	0.0002	U	0.05			
8	0.0002	U	0.01	U		
9	0.0002	U	0.01	U		
10	0.0002	U	0.01	U		
11	0.0002	U	0.01	U		
12	0.0015		0.01	U		
13	0.0002	U	0.01	U		
14	0.0002	U	0.01	U		
15	0.0002	U	0.01	U		
16	0.0002	U	0.01	U		
17	0.0002	U	0.01	U		
18			0.01	U		
19	0.0002	U	0.01	U		
20	0.002		0.08			
21	0.0002	U	0.1	U		
22	0.0002	U	0.01	U		
23	0.0002	U	0.05			
24	0.0002	U	0.1	U		
25	0.0002	U	0.1	U		
26	0.0002	U	0.1	U		
27	0.0006		0.01			
28	0.0002	U	0.06			
29	0.0002	U	0.1			
30	0.004		0.08			
31	0.0002	U	0.1	U		
32	0.0016		0.02			
33	0.0002	U	0.03			
34	0.0002	U	0.01	U		
35	0.0029		0.11			
36	0.0002	U	0.02			
37	0.0002	U	0.02	U		
38	0.0016		0.06			
39	0.0002	U	0.1	U		
40	0.001		0.02			
41	0.0002	U	0.02			
42	0.0002	U	0.03			
43	0.0013		0.04			

	A	B	C	D
44	11?	?	?	2/17/1995
45	12?	?	?	2/17/1995
46	17?	?	?	2/17/1995
47	2	2	2	11/27/1995
48	3	3	3	11/27/1995
49	4	4	4	11/27/1995
50	5	5	5	11/27/1995
51	6	5	6	11/27/1995
52	7	6	7	11/27/1995
53	14	14	14	11/27/1995
54	15	15	15	11/27/1995
55	16	16	16	11/27/1995
56	18	18	18	11/27/1995
57	11?	?	?	11/27/1995
58	12?	?	?	11/27/1995
59	17?	?	?	11/27/1995
60	2	2	2	4/12/1996
61	3	3	3	4/12/1996
62	4	4	4	4/12/1996
63	5	5	5	4/12/1996
64	6	5	6	4/12/1996
65	7	6	7	4/12/1996
66	14	14	14	4/12/1996
67	15	15	15	4/12/1996
68	16	16	16	4/12/1996
69	18	18	18	4/12/1996
70	11?	?	?	4/12/1996
71	12?	?	?	4/12/1996
72	17?	?	?	4/12/1996
73	2	2	2	11/18/1996
74	3	3	3	11/18/1996
75	4	4	4	11/18/1996
76	5	5	5	11/18/1996
77	6	5	6	11/18/1996
78	2	2	2	5/28/1997
79	3	3	3	5/28/1997
80	4	4	4	5/28/1997
81	6	5	6	5/28/1997
82	2	2	2	12/9/1997
83	3	3	3	12/9/1997
84	4	4	4	12/9/1997
85	5	5	5	12/9/1997
86	6	5	6	12/9/1997

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
44	8.86	180		5	U	0.04		0.08		0.14		0.01	U	0.002	U	0.01	
45	7.73	140		10		0.35		0.78		1.1		0.012		0.004		0.084	
46	7.62	8		5	U	0.01	U	0.002		0.09		0.01	U	0.002	U	0.017	
47	7.6	420		11		0.42		0.78		5.3		0.01	U	0.007		0.18	
48	7.5	27		3	U	0.06		0.05		0.24		0.01	U	0.002	U	0.01	
49	7	64		3	U	0.02		0.05		0.18		0.01	U	0.002	U	0.02	
50	8.5	280		6		0.12		0.22		0.54		0.01	U	0.002	U	0.05	
51	7.3	24		3	U	0.01	U	0.02		0.05		0.01	U	0.002	U	0.01	U
52	9.1	250		4		0.02		0.05		0.15		0.01	U	0.002	U	0.03	
53	8.8	460		14		0.64		1.2		4.1		0.02		0.01		0.45	
54	7.9	56		27		0.15		0.33		0.26		0.01	U	0.003		0.03	
55	7.4	17		3	U	0.03		0.05		0.15		0.01	U	0.002	U	0.01	
56	7.6	41		4		0.07		0.11		0.3		0.01	U	0.002	U	0.03	
57	9.1	200		3		0.07		0.09		0.2		0.01	U	0.002	U	0.03	
58	7.3	1900		6		3.1		3.3		10		0.07		0.029		1	
59	8.9	130		3	U	0.09		0.09		0.26		0.01	U	0.002	U	0.06	
60	7.9	720		5.3		0.6		1.2		8.7		0.013		0.024		0.14	
61	8.4	250		3.5		0.14		0.26		1.9		0.002		0.005	U	0.026	
62	8.1	1200		1.9		0.19		0.32		1.8		0.006		0.005	U	0.054	
63	8.6	250		4.1		0.15		0.35		0.74		0.005		0.005	U	0.039	
64	8.5	540		1.9		0.08		0.11		0.29		0.005		0.005	U	0.023	
65	9.2	130		3.5		0.073		0.14		0.3		0.006		0.005	U	0.029	
66	7.7	56		3.1		0.067		0.11		0.3		0.02	U	0.005	U	0.017	
67	8.5	110		8.6		0.14		0.34		0.43		0.006		0.005	U	0.019	
68	8.1	89		4.3		0.098		0.24		0.28		0.002		0.005	U	0.01	U
69	8.1	71		3.2		0.17		0.23		0.44		0.007		0.005	U	0.042	
70	9.2	1200		5.4		0.27		0.54		1		0.021		0.005	U	0.14	
71	7.8	61		3.3		0.46		1.2		2.2		0.011		0.006		0.1	
72	8.9	95		2		0.085		0.16		0.27		0.003		0.005	U	0.034	
73	8.17	1280		13.5		0.679		1.57		10.4		0.008		0.03		0.209	
74	7.91	304		8.2		0.17		0.318		1.45		0.005	U	0.004		0.058	
75	8.39	1350		18		1.32		2.76		7.87		0.014		0.03		0.3	
76	8.34	860		14.8		0.198		0.461		1.27		0.006		0.004	U	0.086	
77	8.56	368		5.4		0.113		0.285		0.72		0.005	U	0.004	U	0.042	
78	7.66	6		5	U			0.002		0.03		0.005	U	0.004	U	0.005	U
79	7.77	13		5	U			0.015		0.08		0.005	U	0.004	U	0.005	U
80	7.71	58		5	U			0.025		0.1		0.005	U	0.004	U	0.005	U
81	9.33	52		5	U			0.036		0.11		0.006		0.004	U	0.022	
82	7.82	184		40		0.31		0.606		4.47		0.005	U	0.016		0.041	
83	7.63	96		12		0.267		0.424		3.21		0.005	U	0.011		0.023	
84	9.41	65		5	U	1.39		0.146		0.56		0.005	U	0.004	U	0.024	
85	8.49	73		26		1.81		1.39		3.93		0.005	U	0.018		0.188	
86	9.98	101		5	U	0.565		0.115		0.28		0.005	U	0.004	U	0.021	

	V	W	X	Y	Z	AA
44	0.0002	U	0.1	U		
45	0.0025		0.05			
46	0.0002	U	0.1	U		
47	0.0014		0.1	U		
48	0.0002	U	0.1	U		
49	0.0002	U	0.1	U		
50	0.0006		0.1	U		
51	0.0002	U	0.1	U		
52	0.0002	U	0.1	U		
53	0.0046		0.1	U		
54	0.0004		0.1	U		
55	0.0002	U	0.1	U		
56	0.0008		0.1	U		
57	0.004		0.1	U		
58	0.012		0.35			
59	0.0002	U	0.1	U		
60	0.0029		0.13			
61	0.0002	U	0.027			
62	0.0007		0.044			
63	0.001		0.033			
64	0.0003		0.033			
65	0.0003		0.03			
66	0.0002	U	0.02	U		
67	0.001		0.037			
68	0.0004		0.04			
69	0.0007		0.026			
70	0.001		0.098			
71	0.003		0.074			
72	0.0003		0.02	U		
73	0.004		0.141			
74	0.0008		0.03			
75	0.0118		0.227			
76	0.0013		0.062			
77	0.0011		0.03			
78	0.0005	U	0.02	U		
79	0.0005	U	0.02	U		
80	0.0005	U	0.02	U		
81	0.0005	U	0.02	U		
82	0.0022		0.048			
83	0.0012		0.034			
84	0.0005	U	0.02	U		
85	0.0048		0.113			
86	0.0005	U	0.02	U		

	A	B	C	D
87	7	6	7	12/9/1997
88	2	2	2	5/20/1998
89	3	3	3	5/20/1998
90	4	4	4	5/20/1998
91	5	5	5	5/20/1998
92	6	5	6	5/20/1998
93	7	6	7	5/20/1998
94	2	2	2	11/23/1998
95	3	3	3	11/23/1998
96	4	4	4	11/23/1998
97	5	5	5	11/23/1998
98	6	5	6	11/23/1998
99	7	6	7	11/23/1998
100	7D	6	7	11/23/1998
101	2	2	2	5/3/1999
102	3	3	3	5/3/1999
103	4	4	4	5/3/1999
104	5	5	5	5/3/1999
105	6	5	6	5/3/1999
106	7	6	7	5/3/1999
107	4D	4	4	5/3/1999
108	2	2	2	11/11/1999
109	3	3	3	11/11/1999
110	4	4	4	11/11/1999
111	5	5	5	11/11/1999
112	6	5	6	11/11/1999
113	7	6	7	11/11/1999
114	14	14	14	11/11/1999
115	20	20	20	11/11/1999
116	2	2	2	3/4/2000
117	3	3	3	3/4/2000
118	4	4	4	3/4/2000
119	5	5	5	3/4/2000
120	6	5	6	3/4/2000
121	7	6	7	3/4/2000
122	20	20	20	3/4/2000
123	14	14	14	3/10/2000
124	16	16	16	3/10/2000
125	2	2	2	6/11/2000
126	3	3	3	6/11/2000
127	4	4	4	6/11/2000
128	5	5	5	6/11/2000
129	6	5	6	6/11/2000

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
87	8.87	452		9		0.505		0.263		0.63		0.005	U	0.004	U	0.031	
88	7.64	208		12.6		0.624		1.06		5.72							
89	7.96	94		5.1		0.586		0.394		2.51							
90	7.74	360		5.7		4.23		0.456		2.1							
91	7.6	130		3.3		0.431		0.562		1.61							
92	7.98	412		3.9		0.801		0.16		0.56							
93	8.16	270		4.5		0.203		0.078		0.29							
94	7.56	280		23		0.725		1.06		7.67							
95	6.87	200		9		7.08		0.344		0.806							
96	9.75	1120		18		0.499		0.26		0.973							
97	8.36	220		9		4.76		0.284		0.49							
98	8.97	420		8		1.27		0.256		0.757							
99	8.15	19		6		0.132		0.088		0.237							
100	8.2	46		8		0.169		0.116		0.336							
101	7.21	23		12		0.085		0.126		1.71							
102	7.09	5	U	5	U	0.051		0.027		0.262							
103	7.06	5	U	5	U	0.197		0.003		0.064							
104	7.04	5	U	5	U	0.022		0.008		0.074							
105	7.05	5	U	5	U	0.073		0.004		0.012							
106	7.47	8		5	U	0.012		0.003		0.011							
107	7	6		5	U	0.199		0.004		0.063							
108	7.61	200		16		0.663		1.23		7.87							
109	7.42	88		9		0.383		0.56		3.42							
110	8.46	287		9		2		0.138		0.634							
111	7.2	113		11		0.232		0.24		1.57							
112	9.14	272		14		1.12		0.083		0.274							
113	9.45	35		5	U	0.01	U	0.006		0.017							
114	8.25	13		12		0.052		0.034		0.547							
115	9.45	20		5	U	0.01	U	0.006		0.017							
116	7.79	160		7		0.323		0.396		2.91							
117	7.58	77		5	U	0.216		0.24		1.8							
118	10.35	36		5	U	0.138		0.039		0.218							
119	7.91	112		6		0.214		0.228		1.38							
120	9.8	26		5	U	0.079		0.012		0.031							
121	8.52	49		5	U	0.029		0.036		0.085							
122	9.4	14		5	U	0.01	U	0.006		0.018							
123	7.28	99		5	U	0.17		0.158		0.937							
124	7.09	40		64		0.191		0.177		0.429							
125	7.64	54		12		0.229		0.301		1.82							
126	7.65	15		8.2		0.144		0.109		0.485							
127	7.75	11		5	U	0.101		0.008		0.039							
128	7.6	11		5	U	0.031		0.032		0.197							
129	7.98	13		5	U	0.018		0.003		0.01	U						

	V	W	X	Y	Z	AA
87	0.0008		0.02	U		
88						
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	A	B	C	D
130	7	6	7	6/11/2000
131	20	20	20	6/11/2000
132	2	2	2	10/20/2000
133	3	3	3	10/20/2000
134	4	4	4	10/20/2000
135	5	5	5	10/20/2000
136	6	5	6	10/20/2000
137	7	6	7	10/20/2000
138	16	16	16	10/20/2000
139	20	20	20	10/20/2000
140	2	2	2	10/30/2001
141	3	3	3	10/30/2001
142	4	4	4	10/30/2001
143	7	6	7	10/30/2001
144	14	14	14	10/30/2001
145	20	20	20	10/30/2001
146	5A	5	5/6	10/30/2001
147	2	2	2	5/22/2002
148	3	3	3	5/22/2002
149	7	6	7	5/22/2002
150	16	16	16	5/22/2002
151	5A	5	5/6	5/22/2002
152	1	1	1	2/16/2003
153	3	3	3	2/16/2003
154	4	4	4	2/16/2003
155	6A	6	7	2/16/2003
156	15	15	15	2/16/2003
157	16	16	16	2/16/2003
158	20	20	20	2/16/2003
159	5A	5	5/6	2/16/2003
160	3	3	3	6/20/2003
161	4	4	4	6/20/2003
162	14	14	14	6/20/2003
163	20	20	20	6/20/2003
164	1	1	1	12/5/2003
165	3	3	3	12/5/2003
166	4	4	4	12/5/2003
167	5	5	5	12/5/2003
168	6A	6	7	12/5/2003
169	14	14	14	12/5/2003
170	16	16	16	12/5/2003
171	20	20	20	12/5/2003
172	1	1	1	5/8/2004

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
130	8.16	5	U	5	U	0.014		0.011		0.038							
131	8.45	8		5	U	0.01	U	0.006		0.017							
132	7.31	13		9.6		0.03		0.019		0.287							
133	8.2	82		10		0.554		0.441		2.3							
134	7.11	30		5	U	0.296		0.02		0.088							
135	8.39	206		5	U	0.24		0.375		1.51							
136	8.3	880		5	U	2.6		0.23		0.688							
137	7.75	8		5	U	0.014		0.015		0.048							
138	7.18	64		5	U	0.09		0.094		0.342							
139	6.95	16		5	U	0.01	U	0.003		0.024							
140	7.04	14		5		0.081		0.153		1.04							
141	7.19	10		5		0.099		0.07		0.252							
142	7.94	5	U	5	U	0.045		0.014		0.04							
143	8.1	36		5	U	0.034		0.059		0.231							
144	7.67	156		5	U	0.193		0.286		1.23							
145	8.23	28		5	U	0.018		0.028		0.057							
146	7.76	10		5	U	0.027		0.028		0.082							
147	7.22	13		13		0.17		0.024		0.268							
148	7.38	11		5	U	0.019		0.002	U	0.076							
149	8.42	59		5	U	0.025		0.016		0.106							
150	7.09	73		7.1		0.144		0.164		0.654							
151	7.91	5	U	5	U	0.013		0.002	U	0.015							
152	7.23	14		6.9		0.071		0.096		0.46							
153	7.42	106		17		0.18		0.206		1.56							
154	8.23	5	U	5	U	0.24		0.0068		0.04							
155	7.34	5	U	5	U	0.01	U	0.004	U	0.01	U						
156	7.68	34		5.1		0.06		0.067		0.225							
157	8.2	45		5	U	0.071		0.114		0.427							
158	8.44	7		5	U	0.01	U	0.0046		0.047							
159	8.44	8		5	U	0.04		0.0256		0.053							
160	7.67	4		2	U	0.001	U	0.001	U	0.026							
161	7.85	48		7		0.001	U	0.001	U	0.041							
162	7.66	36		4		0.11		0.05		0.96							
163	8.01	25		2		0.001	U	0.001	U	0.025							
164	7.48	61		7.4		0.086		0.095		0.55							
165	8.12	22		5	U	0.099		0.048		0.669							
166	7.45	5	U	5	U	0.023		0.0033		0.07							
167	8.04	12		5.3		0.032		0.0229		0.098							
168	7.37	27		5	U	0.012		0.0145		0.061							
169	7.98	8		5	U	0.011		0.0246		0.107							
170	8.03	23		5	U	0.029		0.0415		0.175							
171	7.86	6		5	U	0.01	U	0.002		0.013							
172	7.01	16		6.7		0.086		0.16		0.4							

	V	W	X	Y	Z	AA
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	A	B	C	D
173	3	3	3	5/8/2004
174	4	4	4	5/8/2004
175	5	5	5	5/8/2004
176	6	6	7	5/8/2004
177	15	15	15	5/8/2004
178	16	16	16	5/8/2004
179	20	20	20	5/8/2004
180	1	1	1	12/13/2004
181	1	1	1	3/26/2005
182	3	3	3	12/13/2004
183	3	3	3	3/26/2005
184	4	4	4	12/13/2004
185	4	4	4	3/26/2005
186	5	5	5	12/13/2004
187	5	5	5	3/26/2005
188	6	6	7	12/13/2004
189	6	6	7	3/26/2005
190	14	14	14	12/13/2004
191	15	15	15	3/26/2005
192	16	16	16	12/13/2004
193	16	16	16	3/26/2005
194	20	20	20	12/13/2004
195	20	20	20	3/26/2005
196	3	3	3	4/1/2005
197	3	3	3	5/10/2005
198	5	5	5	4/1/2005
199	5	5	5	5/10/2005
200	6	6	7	4/1/2005
201	6	6	7	5/10/2005
202	20	20	20	4/1/2005
203				
204				Benchmarks[4]
205				
206	1 - Outfall designation at time of sampling			
207	2 - Based on drainage basins shown in March 2003 SPCP			
208	3 - Based on drainage basins shown in October 1999 SPCP			
209	4 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria			

	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
173	7.67	8		3.2		0.026		0.064		0.24							
174	7.85	4		2.3		0.039		0.01	U	0.035							
175	7.88	8		2.6		0.024		0.036		0.086							
176	7.56	9		2	U	0.006		0.037		0.016							
177	7.68	240		8.9		0.19		0.354		0.66							
178	8.11	64		3.7		0.15		0.183		0.36							
179	8.01	32		3.6		0.018		0.025		0.1							
180	7.29	280		11.2		0.2		0.691		2.2							
181	7.02	4		3.7		0.063		0.114		0.58							
182	7.21	130		9.6		0.23		0.398		2.3							
183	6.81	12		2	U	0.066		0.119		0.61							
184	6.76	48		3.1		0.12		0.21		0.49							
185	7.13	21		2	U	0.055		0.084		0.9							
186	7.05	100		4.4		0.17		0.401		0.92							
187	7.01	60		2	U	0.093		0.217		0.59							
188	7.55	14		2	U	0.023		0.04		0.1							
189	7.58	26		2	U	0.008		0.019		0.034							
190	7.71	15		2.4		0.037		0.066		0.19							
191	8.1	34		6		0.058		0.086		0.17							
192	7.45	12		2		0.033		0.019		0.2							
193	7.93	5		2	U	0.026		0.054		0.29							
194	7.38	18		2	U	0.009		0.005	U	0.028							
195	7.92	8		2	U	0.019		0.027		0.29							
196	7.3	216		5.1		0.343		0.791		4.1							
197	7.92	120		3.6		0.11		0.36		1.7							
198	7.2	132		5.1		0.183		0.42		1.47							
199	7.55	120		2	U	0.15		0.199		0.6							
200	6.3	8		24.1		0.0104		0.022		0.0594							
201	7	1.3		2	U	0.0032		0.0043		0.0065							
202	6.3	44		5.3		0.0383		0.0555		0.264							
203																	
204		130		10		0.1		0.4		0.6		4.25		0.02		8.5	
205																	
206																	
207																	
208																	
209																	

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195						
196	0.00189				820	
197	0.000068				6	
198	0.000831				88	
199	0.000057				19	
200	0.0000386				5	U
201	0.0000099				5	U
202	0.000083				38	
203						
204	0.01		7			
205						
206						
207						
208						
209						

	A	B	C
1			
2		New	Old
3		Drainage	Drainage
4	Outfall	Basin[2]	Basin[3]
5			
6	2	2	2
7	3	3	3
8	4	4	4
9	5	5	5
10	6	5	6
11	7	6	7
12	9	9	9
13	14	14	14
14	15	15	15
15	16	16	16
16	18	18	18
17	11?	?	?
18	12?	?	?
19	17?	?	?
20	2	2	2
21	3	3	3
22	4	4	4
23	5	5	5
24	6	5	6
25	7	6	7
26	10	10	10
27	14	14	14
28	15	15	15
29	16	16	16
30	18	18	18
31	11?	?	?
32	12?	?	?
33	17?	?	?
34	2	2	2
35	3	3	3
36	4	4	4
37	5	5	5

	D	E	F	G	H	I	J	K	L	M	N
1											
2											
3											
4	Date	pH	TSS	O&G	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	12/14/1993	8.3	32	4	0.06	0.11	0.7	0.0025	0.004	0.01	0.0001
7	12/14/1993	8.03	160	2.5	0.025	0.42	2.3	0.005	0.01	0.053	0.0001
8	12/14/1993	6.85	170	6	0.005	0.06	0.16	0.007	0.002	0.014	0.0001
9	12/14/1993	7.77	110	13	0.08	0.14	0.49	0.0025	0.004	0.025	0.0001
10	12/14/1993	7.72	130	11	0.06	0.06	0.11	0.0025	0.001	0.01	0.0001
11	12/14/1993	8.24	25	2.5	0.005	0.01	0.005	0.0025	0.001	0.006	0.0001
12	12/14/1993	8.64	330	2.5	0.15	0.68	0.81	0.0025	0.03	0.048	0.0015
13	12/14/1993	7.99	100	6	0.1	0.26	0.48	0.0025	0.002	0.04	0.0001
14	12/14/1993	7.93	10	2.5	0.005	0.02	0.1	0.0025	0.001	0.012	0.0001
15	12/14/1993	7.6	56	13	0.07	0.08	0.21	0.0025	0.004	0.019	0.0001
16	12/14/1993	8.24	25	8	0.16	0.31	0.52	0.005	0.003	0.059	0.0001
17	12/14/1993	9.55	85	2.5	0.005	0.3	0.12	0.0025	0.001	0.011	0.0001
18	12/14/1993	7.7	70	2.5	0.2	0.39	0.67	0.0025	0.003	0.054	
19	12/14/1993	9.04	38	2.5	0.005	0.09	0.28	0.0025	0.001	0.026	0.0001
20	12/14/1994	8.43	530	20	0.34	0.74	5.9	0.005	0.026	0.082	0.002
21	12/14/1994	7.52	8	6	0.04	0.025	0.16	0.005	0.001	0.004	0.0001
22	12/14/1994	7.74	30	2.5	0.13	0.033	0.13	0.005	0.001	0.08	0.0001
23	12/14/1994	7.46	280	8	0.12	0.3	0.74	0.005	0.006	0.048	0.0001
24	12/14/1994	8.88	54	8	0.03	0.031	0.06	0.005	0.001	0.013	0.0001
25	12/14/1994	9.71	32	2.5	0.04	0.017	0.05	0.005	0.001	0.01	0.0001
26	12/14/1994	7.75	10	2.5	0.005	0.005	0.05	0.005	0.001	0.005	0.0001
27	12/14/1994	7.76	81	11	0.11	0.19	0.39	0.005	0.002	0.036	0.0006
28	12/14/1994	7.79	13	2.5	0.04	0.007	0.15	0.005	0.001	0.006	0.0001
29	12/14/1994	7.3	12	2	0.03	0.022	0.15	0.005	0.001	0.006	0.0001
30	12/14/1994	7.28	180	9	0.66	0.55	1.2	0.013	0.011	0.05	0.004
31	12/14/1994	7.66	76	5	0.05	0.056	0.13	0.005	0.001	0.014	0.0001
32	12/14/1994	7.32	65	7	0.19	0.32	0.6	0.006	0.003	0.054	0.0016
33	12/14/1994	8.52	180	6	0.28	0.55	0.77	0.006	0.006	0.095	0.0001
34	2/17/1995	7.32	32	2.5	0.05	0.08	0.64	0.005	0.004	0.009	0.0001
35	2/17/1995	8.15	340	19	0.55	1.1	6.7	0.013	0.031	0.15	0.0029
36	2/17/1995	7.84	250	12	0.08	0.18	0.43	0.005	0.002	0.043	0.0001
37	2/17/1995	9.8	28	2.5	0.005	0.005	0.03	0.005	0.001	0.005	0.0001

	O	P	Q
1			
2			
3			
4	Nickel	COD	
5			
6	0.005		
7	0.05		
8	0.005		
9	0.005		
10	0.005		
11	0.005		
12	0.005		
13	0.005		
14	0.005		
15	0.01		
16	0.005		
17	0.005		
18	0.005		
19	0.005		
20	0.08		
21	0.05		
22	0.005		
23	0.05		
24	0.05		
25	0.05		
26	0.05		
27	0.01		
28	0.06		
29	0.1		
30	0.08		
31	0.05		
32	0.02		
33	0.03		
34	0.005		
35	0.11		
36	0.02		
37	0.01		

	A	B	C
38	6	5	6
39	7	6	7
40	14	14	14
41	15	15	15
42	16	16	16
43	18	18	18
44	11?	?	?
45	12?	?	?
46	17?	?	?
47	2	2	2
48	3	3	3
49	4	4	4
50	5	5	5
51	6	5	6
52	7	6	7
53	14	14	14
54	15	15	15
55	16	16	16
56	18	18	18
57	11?	?	?
58	12?	?	?
59	17?	?	?
60	2	2	2
61	3	3	3
62	4	4	4
63	5	5	5
64	6	5	6
65	7	6	7
66	14	14	14
67	15	15	15
68	16	16	16
69	18	18	18
70	11?	?	?
71	12?	?	?
72	17?	?	?
73	2	2	2
74	3	3	3

	D	E	F	G	H	I	J	K	L	M	N
38	2/17/1995	7.61	140	16	0.16	0.33	1.2	0.005	0.004	0.056	0.0016
39	2/17/1995	8.77	80	7	0.02	0.064	0.09	0.005	0.001	0.01	0.0001
40	2/17/1995	9.08	40	8	0.11	0.21	0.52	0.005	0.002	0.039	0.001
41	2/17/1995	7.74	22	11	0.07	0.09	0.2	0.005	0.001	0.012	0.0001
42	2/17/1995	7.53	6	8	0.005	0.017	0.06	0.005	0.003	0.005	0.0001
43	2/17/1995	7.64	36	15	0.23	0.07	0.27	0.009	0.001	0.01	0.0013
44	2/17/1995	8.86	180	2.5	0.04	0.08	0.14	0.005	0.001	0.01	0.0001
45	2/17/1995	7.73	140	10	0.35	0.78	1.1	0.012	0.004	0.084	0.0025
46	2/17/1995	7.62	8	2.5	0.005	0.002	0.09	0.005	0.001	0.017	0.0001
47	11/27/1995	7.6	420	11	0.42	0.78	5.3	0.005	0.007	0.18	0.0014
48	11/27/1995	7.5	27	1.5	0.06	0.05	0.24	0.005	0.001	0.01	0.0001
49	11/27/1995	7	64	1.5	0.02	0.05	0.18	0.005	0.001	0.02	0.0001
50	11/27/1995	8.5	280	6	0.12	0.22	0.54	0.005	0.001	0.05	0.0006
51	11/27/1995	7.3	24	1.5	0.005	0.02	0.05	0.005	0.001	0.005	0.0001
52	11/27/1995	9.1	250	4	0.02	0.05	0.15	0.005	0.001	0.03	0.0001
53	11/27/1995	8.8	460	14	0.64	1.2	4.1	0.02	0.01	0.45	0.0046
54	11/27/1995	7.9	56	27	0.15	0.33	0.26	0.005	0.003	0.03	0.0004
55	11/27/1995	7.4	17	1.5	0.03	0.05	0.15	0.005	0.001	0.01	0.0001
56	11/27/1995	7.6	41	4	0.07	0.11	0.3	0.005	0.001	0.03	0.0008
57	11/27/1995	9.1	200	3	0.07	0.09	0.2	0.005	0.001	0.03	0.004
58	11/27/1995	7.3	1900	6	3.1	3.3	10	0.07	0.029	1	0.012
59	11/27/1995	8.9	130	1.5	0.09	0.09	0.26	0.005	0.001	0.06	0.0001
60	4/12/1996	7.9	720	5.3	0.6	1.2	8.7	0.13	0.024	0.14	0.0029
61	4/12/1996	8.4	250	3.5	0.14	0.26	1.9	0.002	0.0025	0.026	0.0001
62	4/12/1996	8.1	1200	1.9	0.19	0.32	1.8	0.006	0.025	0.19	0.0007
63	4/12/1996	8.6	250	4.1	0.15	0.35	0.74	0.005	0.0025	0.039	0.001
64	4/12/1996	8.5	540	1.9	0.08	0.11	0.29	0.005	0.0025	0.023	0.0003
65	4/12/1996	9.2	130	3.5	0.073	0.14	0.3	0.006	0.0025	0.029	0.0003
66	4/12/1996	7.7	56	3.1	0.067	0.11	0.3	0.01	0.0025	0.017	0.0001
67	4/12/1996	8.5	110	8.6	0.14	0.34	0.43	0.006	0.0025	0.019	0.001
68	4/12/1996	8.1	89	4.3	0.098	0.24	0.28	0.002	0.0025	0.005	0.0004
69	4/12/1996	8.1	71	3.2	0.17	0.23	0.44	0.007	0.0025	0.042	0.0007
70	4/12/1996	9.2	1200	5.4	0.27	0.54	1	0.021	0.0025	0.14	0.001
71	4/12/1996	7.8	61	3.3	0.46	1.2	2.2	0.011	0.006	0.1	0.003
72	4/12/1996	8.9	95	2	0.085	0.16	0.27	0.003	0.0025	0.034	0.0003
73	11/18/1996	8.17	1280	13.5	0.679	1.57	10.4	0.008	0.03	0.209	0.004
74	11/18/1996	7.91	304	8.2	0.17	0.318	1.45	0.0025	0.004	0.058	0.8

	O	P	Q
38	0.06		
39	0.05		
40	0.02		
41	0.02		
42	0.03		
43	0.04		
44	0.05		
45	0.05		
46	0.05		
47	0.05		
48	0.05		
49	0.05		
50	0.05		
51	0.05		
52	0.05		
53	0.05		
54	0.05		
55	0.05		
56	0.05		
57	0.05		
58	0.35		
59	0.05		
60	0.13		
61	0.027		
62	0.044		
63	0.033		
64	0.033		
65	0.03		
66	0.01		
67	0.037		
68	0.04		
69	0.026		
70	0.098		
71	0.074		
72	0.01		
73	0.141		
74	0.3		

	A	B	C
75	4	4	4
76	5	5	5
77	6	5	6
78	2	2	2
79	3	3	3
80	4	4	4
81	6	5	6
82	2	2	2
83	3	3	3
84	4	4	4
85	5	5	5
86	6	5	6
87	7	6	7
88	2	2	2
89	3	3	3
90	4	4	4
91	5	5	5
92	6	5	6
93	7	6	7
94	2	2	2
95	3	3	3
96	4	4	4
97	5	5	5
98	6	5	6
99	7	6	7
100	7D	6	7
101	2	2	2
102	3	3	3
103	4	4	4
104	5	5	5
105	6	5	6
106	7	6	7
107	4D	4	4
108	2	2	2
109	3	3	3
110	4	4	4
111	5	5	5

	D	E	F	G	H	I	J	K	L	M	N
75	11/18/1996	8.39	1350	18	1.32	2.76	7.87	0.014	0.03	0.3	0.0011
76	11/18/1996	8.34	860	14.8	0.198	0.461	1.27	0.006	0.002	0.086	0.0013
77	11/18/1996	8.56	368	5.4	0.113	0.285	0.72	0.0025	0.002	0.042	1.1
78	5/28/1997	7.66	6	2.5		0.002	0.03	2.5	0.002	0.0025	0.00025
79	5/28/1997	7.77	13	2.5		0.015	0.08	0.0025	0.002	0.0025	0.00025
80	5/28/1997	7.71	58	2.5		0.025	0.1	0.0025	0.002	0.0025	0.00025
81	5/28/1997	9.33	52	2.5		0.036	0.11	0.006	0.002	0.022	0.00025
82	12/9/1997	7.8	184	40	0.31	0.606	4.47	0.0025	0.016	0.041	0.0022
83	12/9/1997	7.63	96	12	0.267	0.424	3.21	0.0025	0.011	0.023	0.0012
84	12/9/1997	9.41	65	2.5	1.39	0.146	0.56	0.0025	0.002	0.024	0.00025
85	12/9/1997	8.49	73	26	1.81	1.39	3.93	0.0025	0.018	0.188	0.0048
86	12/9/1997	9.98	101	2.5	0.565	0.115	0.28	0.0025	0.002	0.021	0.00025
87	12/9/1997	8.87	452	9	0.505	0.263	0.63	0.0025	0.002	0.031	0.0008
88	5/20/1998	7.64	208	12.6	0.624	1.06	5.72				
89	5/20/1998	7.96	94	5.1	0.586	0.394	2.51				
90	5/20/1998	7.74	360	5.7	4.23	0.456	2.1				
91	5/20/1998	7.6	130	3.3	0.431	0.562	1.61				
92	5/20/1998	7.98	412	3.9	0.801	0.16	0.56				
93	5/20/1998	8.16	270	4.5	0.203	0.078	0.29				
94	11/23/1998	7.56	280	23	0.725	1.06	7.67				
95	11/23/1998	6.87	200	9	7.08	0.344	0.806				
96	11/23/1998	9.75	1120	18	0.499	0.26	0.973				
97	11/23/1998	8.36	220	9	4.76	0.284	0.49				
98	11/23/1998	8.97	420	8	1.27	0.256	0.757				
99	11/23/1998	8.15	19	6	0.132	0.088	0.237				
100	11/23/1998	8.2	46	8	0.169	0.116	0.336				
101	5/3/1999	7.21	23	12	0.085	0.126	1.71				
102	5/3/1999	7.09	2.5	2.5	0.051	0.027	0.262				
103	5/3/1999	7.06	2.5	2.5	0.197	0.003	0.064				
104	5/3/1999	7.04	2.5	2.5	0.022	0.008	0.074				
105	5/3/1999	7.05	2.5	2.5	0.073	0.004	0.012				
106	5/3/1999	7.47	8	2.5	0.012	0.003	0.011				
107	5/3/1999	7	6	2.5	0.199	0.004	0.063				
108	11/11/1999	7.61	200	16	0.663	1.23	7.87				
109	11/11/1999	7.42	88	9	0.383	0.56	3.42				
110	11/11/1999	8.46	287	9	2	0.138	0.634				
111	11/11/1999	7.2	113	11	0.232	0.24	1.57				

	O	P	Q
75	0.227		
76	0.62		
77	0.03		
78	0.01		
79	0.01		
80	0.01		
81	0.01		
82	0.048		
83	0.034		
84	0.01		
85	0.113		
86	0.01		
87	0.01		
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	A	B	C
112	6	5	6
113	7	6	7
114	14	14	14
115	20	20	20
116	2	2	2
117	3	3	3
118	4	4	4
119	5	5	5
120	6	5	6
121	7	6	7
122	20	20	20
123	14	14	14
124	16	16	16
125	2	2	2
126	3	3	3
127	4	4	4
128	5	5	5
129	6	5	6
130	7	6	7
131	20	20	20
132	2	2	2
133	3	3	3
134	4	4	4
135	5	5	5
136	6	5	6
137	7	6	7
138	16	16	16
139	20	20	20
140	2	2	2
141	3	3	3
142	4	4	4
143	7	6	7
144	14	14	14
145	20	20	20
146	5A	5	5/6
147	2	2	2
148	3	3	3

	D	E	F	G	H	I	J	K	L	M	N
112	11/11/1999	9.14	272	14	1.12	0.083	0.274				
113	11/11/1999	9.45	35	2.5	0.005	0.006	0.017				
114	11/11/1999	8.25	13	12	0.052	0.034	0.547				
115	11/11/1999	9.45	20	2.5	0.005	0.006	0.017				
116	3/4/2000	7.79	160	7	0.323	0.396	2.91				
117	3/4/2000	7.58	77	2.5	0.216	0.24	1.8				
118	3/4/2000	10.35	36	2.5	0.138	0.039	0.218				
119	3/4/2000	7.91	112	6	0.214	0.228	1.38				
120	3/4/2000	9.8	26	2.5	0.079	0.012	0.031				
121	3/4/2000	8.52	49	2.5	0.029	0.036	0.085				
122	3/4/2000	9.4	14	2.5	0.005	0.006	0.018				
123	3/10/2000	7.28	99	2.5	0.17	0.158	0.937				
124	3/10/2000	7.09	40	64	0.191	0.177	0.429				
125	6/11/2000	7.64	54	12	0.229	0.301	1.82				
126	6/11/2000	7.65	15	8.2	0.144	0.109	0.485				
127	6/11/2000	7.75	11	2.5	0.101	0.008	0.039				
128	6/11/2000	7.6	11	2.5	0.031	0.032	0.197				
129	6/11/2000	7.98	13	2.5	0.018	0.003	0.005				
130	6/11/2000	8.16	2.5	2.5	0.014	0.011	0.038				
131	6/11/2000	8.45	8	2.5	0.005	0.006	0.017				
132	10/20/2000	7.31	13	9.6	0.03	0.019	0.287				
133	10/20/2000	8.2	82	10	0.554	0.441	2.3				
134	10/20/2000	7.11	30	2.5	0.296	0.02	0.088				
135	10/20/2000	8.39	206	2.5	0.24	0.375	1.51				
136	10/20/2000	8.3	880	2.5	2.6	0.23	0.688				
137	10/20/2000	7.75	8	2.5	0.014	0.015	0.048				
138	10/20/2000	7.18	64	2.5	0.09	0.094	0.342				
139	10/20/2000	6.95	16	2.5	0.005	0.003	0.024				
140	10/30/2001	7.04	14	5	0.081	0.153	1.04				
141	10/30/2001	7.19	10	5	0.099	0.07	0.252				
142	10/30/2001	7.94	2.5	2.5	0.045	0.014	0.04				
143	10/30/2001	8.1	36	2.5	0.034	0.059	0.231				
144	10/30/2001	7.67	156	2.5	0.193	0.286	1.23				
145	10/30/2001	8.23	28	2.5	0.018	0.028	0.057				
146	10/30/2001	7.76	10	2.5	0.027	0.028	0.082				
147	5/22/2002	7.22	13	13	0.17	0.024	0.268				
148	5/22/2002	7.38	11	2.5	0.019	0.001	0.076				

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	A	B	C
149	7	6	7
150	16	16	16
151	5A	5	5/6
152	1	1	1
153	3	3	3
154	4	4	4
155	6A	6	7
156	15	15	15
157	16	16	16
158	20	20	20
159	5A	5	5/6
160	3	3	3
161	4	4	4
162	14	14	14
163	20	20	20
164	1	1	1
165	1	1	1
166	3	3	3
167	3	3	3
168	4	4	4
169	4	4	4
170	5	5	5
171	5	5	5
172	14	14	14
173	15	15	15
174	16	16	16
175	16	16	16
176	20	20	20
177	20	20	20
178	6A	6	7
179	6A	6	7
180	1	1	1
181	1	1	1
182	3	3	3
183	3	3	3
184	4	4	4
185	4	4	4

	D	E	F	G	H	I	J	K	L	M	N
149	5/22/2002	8.42	59	2.5	0.025	0.016	0.106				
150	5/22/2002	7.09	73	7.1	0.144	0.164	0.654				
151	5/22/2002	7.91	2.5	2.5	0.013	0.001	0.015				
152	2/16/2003	7.23	14	6.9	0.071	0.096	0.46				
153	2/16/2003	7.42	106	17	0.18	0.206	1.56				
154	2/16/2003	8.23	2.5	2.5	0.24	0.0068	0.04				
155	2/16/2003	7.34	2.5	2.5	0.005	0.002	0.005				
156	2/16/2003	7.68	34	5.1	0.06	0.067	0.225				
157	2/16/2003	8.2	45	2.5	0.071	0.114	0.427				
158	2/16/2003	8.44	7	2.5	0.005	0.0046	0.047				
159	2/16/2003	8.44	8	2.5	0.04	0.0256	0.053				
160	6/20/2003	7.67	4	1	0.0005	0.0005	0.026				
161	6/20/2003	7.85	48	7	0.0005	0.0005	0.041				
162	6/20/2003	7.66	36	4	0.11	0.05	0.96				
163	6/20/2003	8.01	25	2	0.0005	0.0005	0.025				
164	12/5/2003	7.48	61	7.4	0.086	0.095	0.55				
165	5/8/2004	7.01	16	6.7	0.086	0.16	0.4				
166	12/5/2003	8.12	22	2.5	0.099	0.048	0.669				
167	5/8/2004	7.67	8	3.2	0.026	0.064	0.24				
168	12/5/2003	7.45	2.5	2.5	0.023	0.0033	0.07				
169	5/8/2004	7.85	4	2.3	0.039	0.005	0.035				
170	12/5/2003	8.04	12	5.3	0.032	0.0229	0.098				
171	5/8/2004	7.88	8	2.6	0.024	0.036	0.086				
172	12/5/2003	7.98	8	2.5	0.011	0.0246	0.107				
173	5/8/2004	7.68	240	8.9	0.19	0.354	0.66				
174	12/5/2003	8.03	23	2.5	0.029	0.0415	0.175				
175	5/8/2004	8.11	64	3.7	0.15	0.183	0.36				
176	12/5/2003	7.86	6	2.5	0.005	0.002	0.013				
177	5/8/2004	8.01	32	3.6	0.018	0.025	0.1				
178	12/5/2003	7.37	27	2.5	0.012	0.0145	0.061				
179	5/8/2004	7.56	9	1	0.006	0.037	0.016				
180	12/13/2004	7.29	280	11.2	0.2	0.691	2.2				
181	3/26/2005	7.02	4	3.7	0.063	0.114	0.58				
182	12/13/2004	7.21	130	9.6	0.23	0.398	2.3				
183	3/26/2005	6.81	12	1	0.066	0.119	0.61				
184	12/13/2004	6.76	48	3.1	0.12	0.21	0.49				
185	3/26/2005	7.13	21	1	0.055	0.084	0.9				

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	A	B	C
186	5	5	5
187	5	5	5
188	6	6	7
189	6	6	7
190	14	14	14
191	15	15	15
192	16	16	16
193	16	16	16
194	20	20	20
195	20	20	20
196	3	3	3
197	3	3	3
198	5	5	5
199	5	5	5
200	6	6	7
201	6	6	7
202	20	20	20
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206			
207	1 - Benchmarks are as stated in the permit or, if not stated in permit, 5 x acute fresh water quality criteria		

	D	E	F	G	H	I	J	K	L	M	N
186	12/13/2004	7.05	100	4.4	0.17	0.401	0.92				
187	3/26/2005	7.01	60	1	0.093	0.217	0.59				
188	12/13/2004	7.55	14	1	0.023	0.04	0.1				
189	3/26/2005	7.58	26	1	0.008	0.019	0.034				
190	12/13/2004	7.71	15	2.4	0.037	0.066	0.19				
191	3/26/2005	8.1	34	6	0.058	0.086	0.17				
192	12/13/2004	7.45	12	2	0.033	0.019	0.2				
193	3/26/2005	7.93	5	1	0.026	0.054	0.29				
194	12/13/2004	7.38	18	1	0.009	0.0025	0.028				
195	3/26/2005	7.92	8	1	0.019	0.027	0.29				
196	4/1/2005	7.3	216	5.1	0.343	0.791	4.1				0.00189
197	5/10/2005	7.92	120	3.6	0.11	0.36	1.7				0.000068
198	4/1/2005	7.2	132	5.1	0.183	0.42	1.47				0.000831
199	5/10/2005	7.55	120	1	0.15	0.199	0.6				0.000057
200	4/1/2005	6.3	8	24.1	0.0104	0.022	0.0594				0.0000386
201	5/10/2005	7	1.3	1	0.0032	0.0043	0.0065				0.0000099
202	4/1/2005	6.3	44	5.3	0.0383	0.0555	0.264				0.000083
203											
204	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01
205											
206											
207											

	O	P	Q
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194			
195			
196		820	
197		6	
198		88	
199		19	
200		2.5	
201		2.5	
202		38	
203			
204	7		
205			
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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1															
2	**TSS**														
3															
4	**Concentration**														
5	Old Basin	1	2	3	4	5	6	5/6		7	9	10	11	12	14
6	New Basin	1	2	3	4	5	5	5	Ave 5	6	9	10	11	12	14
7															
8	12/14/1993		32	160	170	110	130		120	25	330				100
9	12/14/1994		530	8	30	280	54		167	32		10			81
10	2/17/1995		32	340	250	28	140		84	80					40
11	11/27/1995		420	27	64	280	24		152	250					460
12	4/12/1996		720	250	1200	250	540		395	130					56
13	11/18/1996		1280	304	1350	860	368		614						
14	5/28/1997		6	13	58		52		52						
15	12/9/1997		184	96	65	73	101		87	452					
16	5/20/1998		208	94	360	130	412		271	270					
17	11/23/1998		280	200	1120	220	420		320	19					
18	5/3/1999		23	2.5	2.5	2.5	2.5		2.5	8					
19	11/11/1999		200	88	287	113	272		192.5	35					13
20	3/4/2000		160	77	36	112	26		69	49					99
21	6/11/2000		54	15	11	11	13		12	2.5					
22	10/20/2000		13	82	30	206	880		543	8					
23	10/30/2001		14	10	2.5			10	10	36					156
24	5/22/2002		13	11				2.5	2.5	59					
25	2/16/2003	14		106	2.5			8	8	2.5					
26	6/20/2003			4	48										36
27	12/5/2003	61		22	2.5			12	12	27					8
28	5/8/2004	16		8	4			5	5	9					
29	12/13/2004	280		130	48			100	100	14					15
30	3/26/2005	4		12	21			60	60	26					
31	4/1/2005			216				132	132	8					
32	5/10/2005			120				120	120	1.3					
33															
34	Benchmark		130												
35															
36															
37	700														

SCHN00377062

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1														
2														
3														
4									**Exceedance Ratio**					
5	15	16	17	18	20				1	2	3	4	5	6
6	15	16	17	18	20		Average		1	2	3	4	5	5
7														
8	10	56		25			102.8			0.25	1.23	1.31	0.85	1.00
9	13	12		180			106.3			4.08	0.06	0.23	2.15	0.42
10	22	6		36			98.9			0.25	2.62	1.92	0.22	1.08
11	56	17		41			165.2			3.23	0.21	0.49	2.15	0.18
12	110	89		71			335.7			5.54	1.92	9.23	1.92	4.15
13							887.0			9.85	2.34	10.38	6.62	2.83
14							32.3			0.05	0.10	0.45		0.40
15							176.8			1.42	0.74	0.50	0.56	0.78
16							240.6			1.60	0.72	2.77	1.00	3.17
17							387.8			2.15	1.54	8.62	1.69	3.23
18							7.7			0.18	0.02	0.02	0.02	0.02
19					20		119.4			1.54	0.68	2.21	0.87	2.09
20		40			14		68.0			1.23	0.59	0.28	0.86	0.20
21		64			8		23.8			0.42	0.12	0.08	0.08	0.10
22					16		115.3			0.10	0.63	0.23	1.58	6.77
23					28		36.6			0.11	0.08	0.02		
24		73					31.7			0.10	0.08			
25	34	45			7		27.4		0.11		0.82	0.02		
26					25		28.3				0.03	0.37		
27		23			6		20.2		0.47		0.17	0.02		
28	240	64			32		47.3		0.12		0.06	0.03		
29		12			18		77.1		2.15		1.00	0.37		
30	34	5			8		21.3		0.03		0.09	0.16		
31					44		100.0				1.66			
32							80.4				0.92			
33														
34														
35														
36														
37														

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS
1																
2																
3																
4																
5	5/6		7	9	10	11	12	14	15	16	17	18	20			
6	5	Ave 5	6	9	10	11	12	14	15	16	17	18	20		Average	
7																
8		0.92	0.19	2.54				0.77	0.08	0.43		0.19			0.8	
9		1.28	0.25		0.08			0.62	0.10	0.09		1.38			0.8	
10		0.65	0.62					0.31	0.17	0.05		0.28			0.8	
11		1.17	1.92					3.54	0.43	0.13		0.32			1.3	
12		3.04	1.00					0.43	0.85	0.68		0.55			2.6	
13		4.72													6.8	
14		0.40													0.2	
15		0.67	3.48												1.4	
16		2.08	2.08												1.9	
17		2.46	0.15												3.0	
18		0.02	0.06												0.1	
19		1.48	0.27					0.10					0.15		0.9	
20		0.53	0.38					0.76		0.31			0.11		0.5	
21		0.09	0.02							0.49			0.06		0.2	
22		4.18	0.06										0.12		0.9	
23	0.08	0.08	0.28					1.20					0.22		0.3	
24	0.02	0.02	0.45							0.56					0.2	
25	0.06	0.06	0.02						0.26	0.35			0.05		0.2	
26								0.28					0.19		0.2	
27	0.09	0.09	0.21					0.06		0.18			0.05		0.2	
28	0.04	0.04	0.07						1.85	0.49			0.25		0.4	
29	0.77	0.77	0.11					0.12		0.09			0.14		0.6	
30	0.46	0.46	0.20						0.26	0.04			0.06		0.2	
31	1.02	1.02	0.06										0.34		0.8	
32	0.92	0.92	0.01												0.6	
33																
34																
35																
36																
37																

Average Site-Wide Comparison Factor - TSS

	AT	AU	AV
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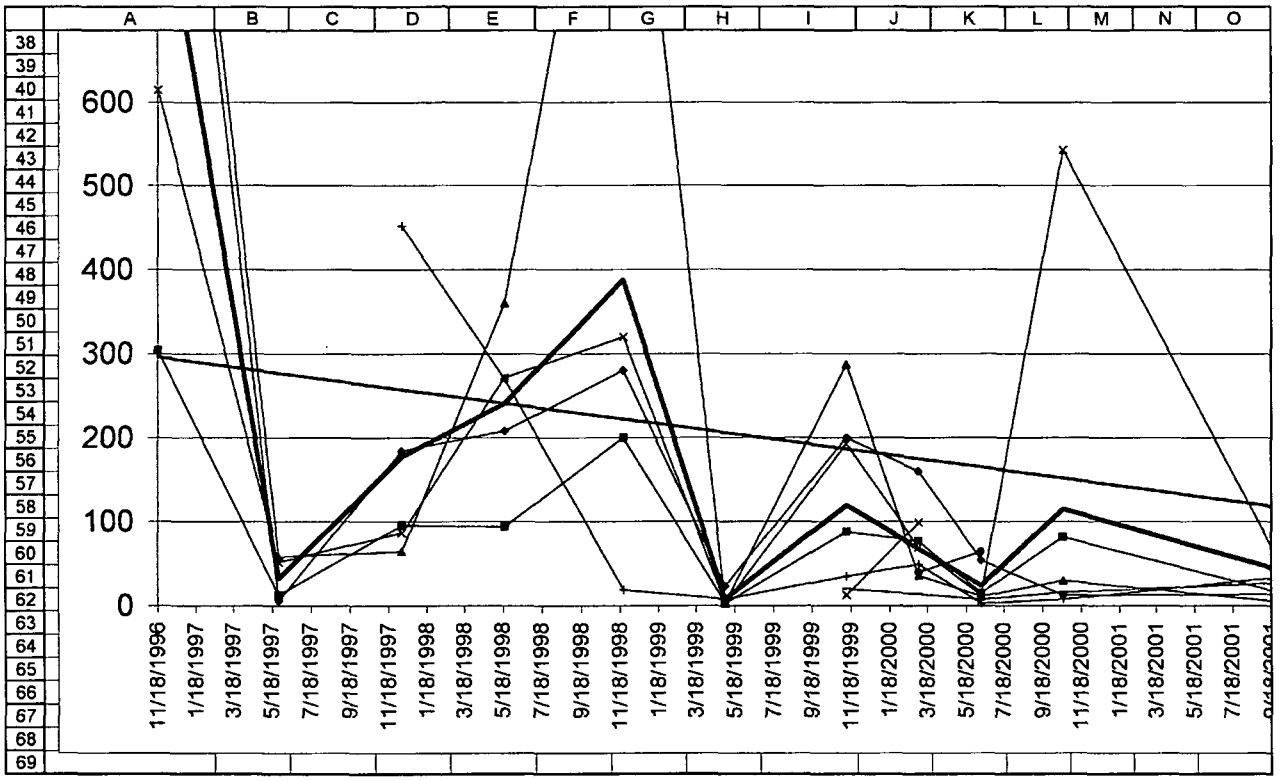

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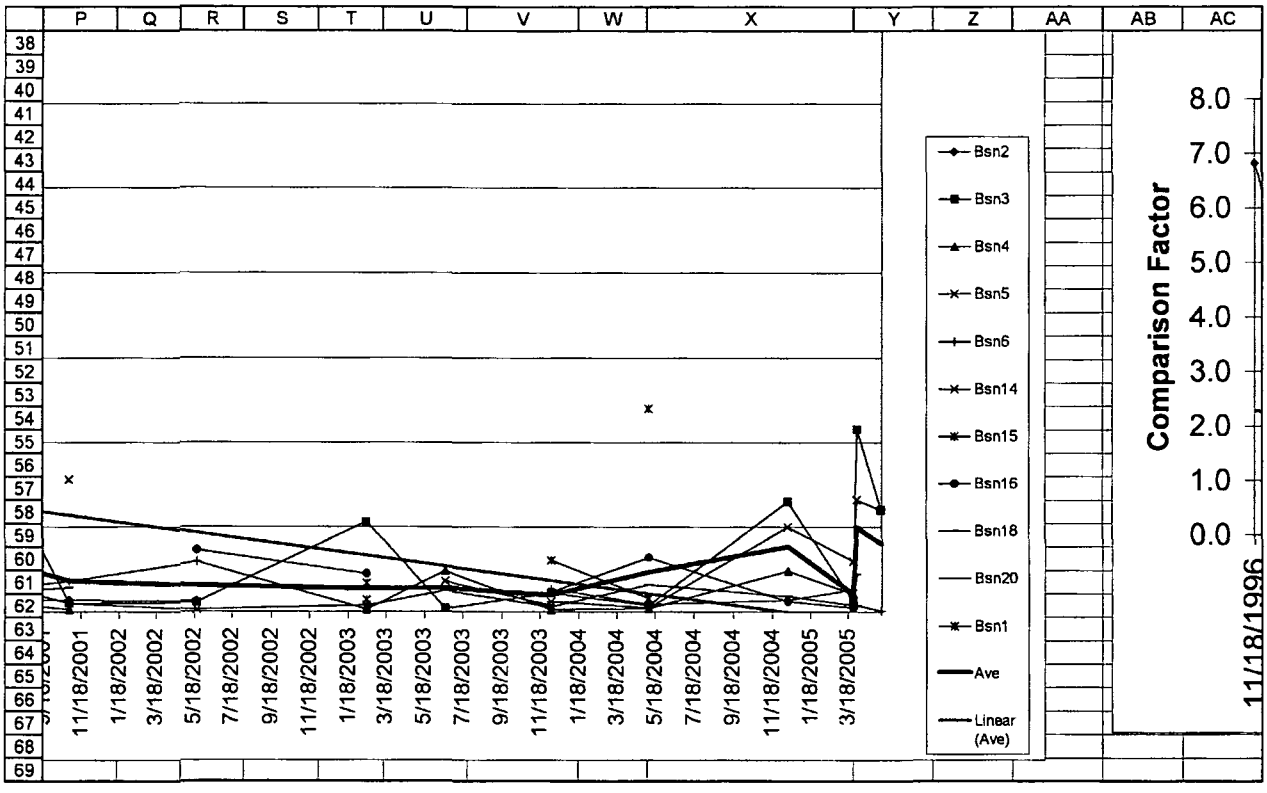

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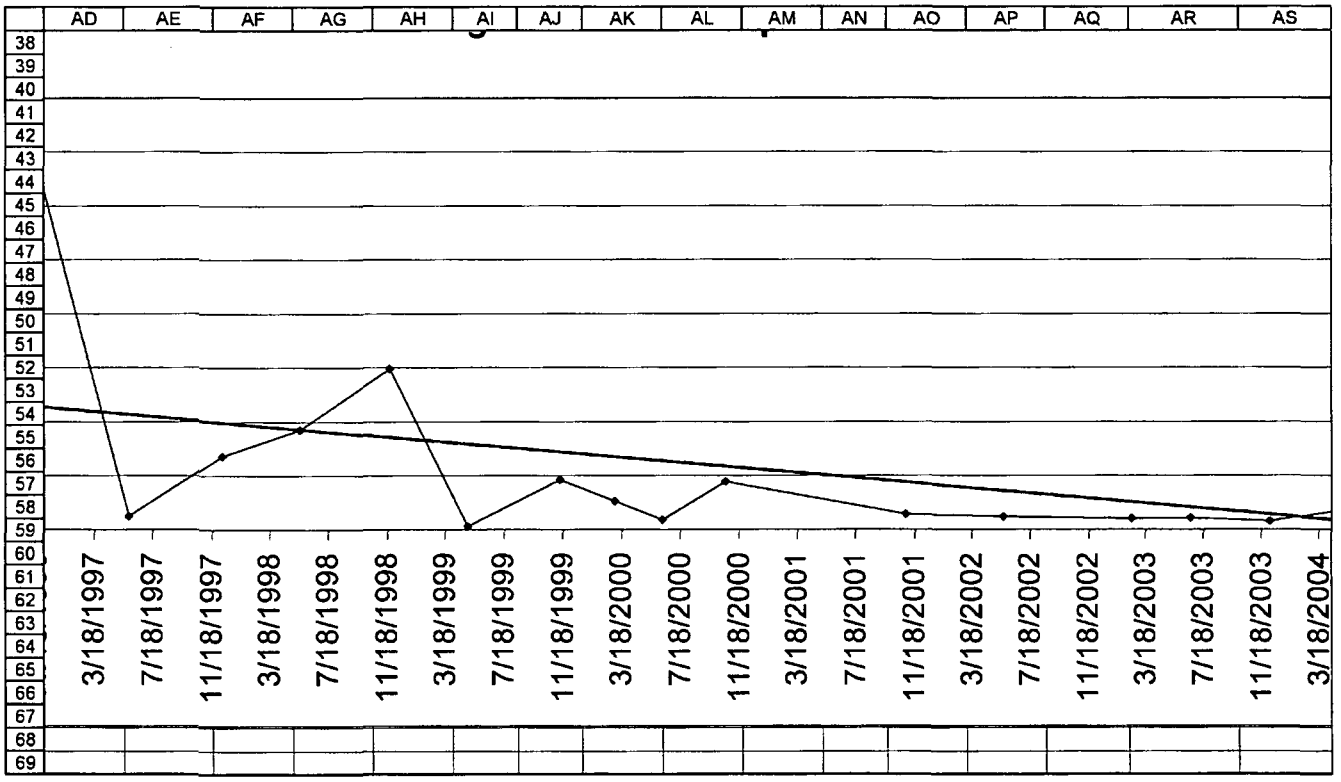

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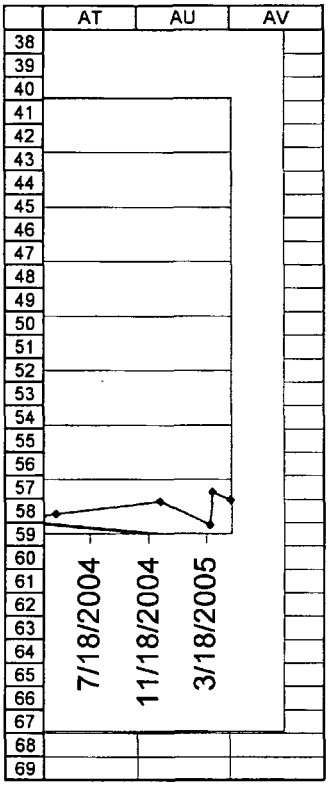


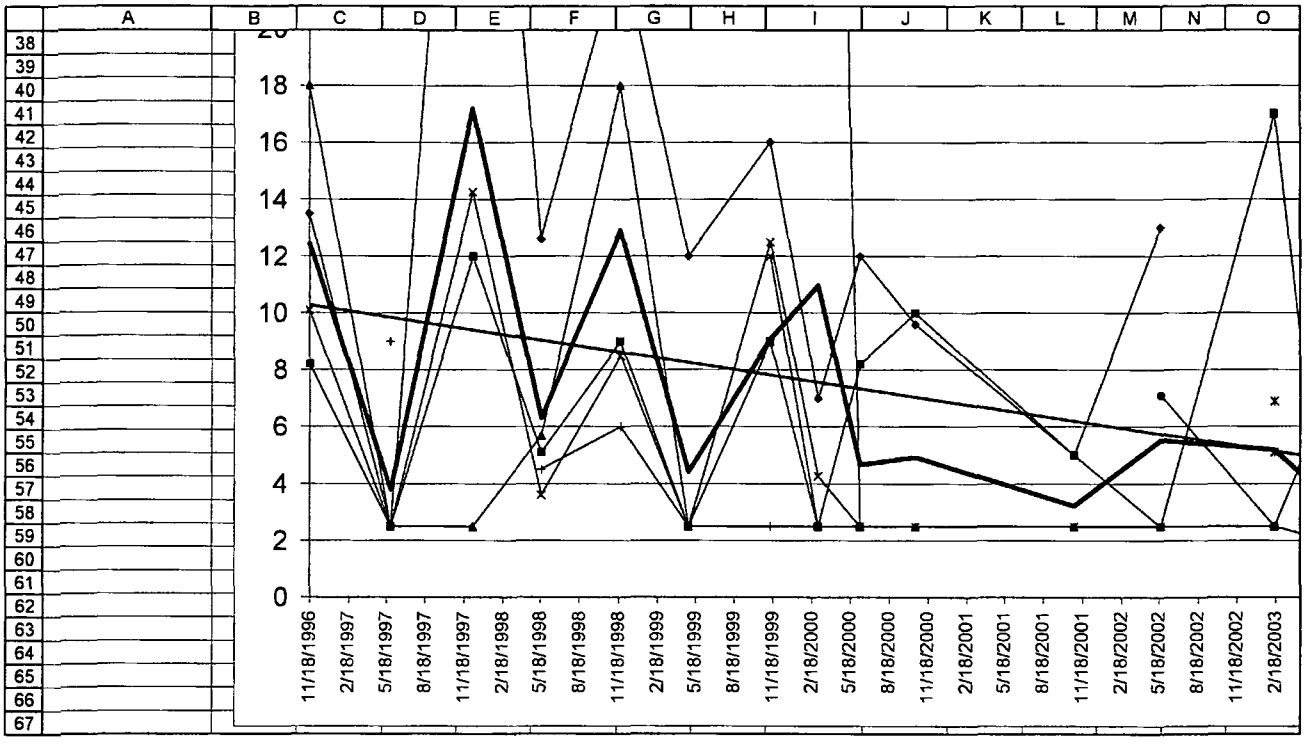
SCHN00377069

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1															
2	**TPH**														
3															
4	**Concentration**														
5	Old Basin	1	2	3	4	5	6	5/6		7	9	10	11	12	14
6	New Basin	1	2	3	4	5	5	5	**Ave 5**	6	9	10	11	12	14
7															
8	12/14/1993		4	2.5	6	13	11		12	2.5	2.5				6
9	12/14/1994		20	6	2.5	8	8		8	2.5		2.5			11
10	2/17/1995		2.5	19	12	2.5	16		9.25	7					8
11	11/27/1995		11	1.5	1.5	6	1.5		3.75	4					14
12	4/12/1996		5.3	3.5	1.9	4.1	1.9		3	3.5					3.1
13	11/18/1996		13.5	8.2	18	14.8	5.4		10.1						
14	5/28/1997		2.5	2.5	2.5		2.5		2.5	9					
15	12/9/1997		40	12	2.5	26	2.5		14.25						
16	5/20/1998		12.6	5.1	5.7	3.3	3.9		3.6	4.5					
17	11/23/1998		23	9	18	9	8		8.5	6					
18	5/3/1999		12	2.5	2.5	2.5	2.5		2.5	2.5					
19	11/11/1999		16	9	9	11	14		12.5	2.5					12
20	3/4/2000		7	2.5	2.5	6	2.5		4.25	2.5					2.5
21	6/11/2000		12	8.2	2.5	2.5	2.5		2.5	2.5					
22	10/20/2000		9.6	10	2.5	2.5	2.5		2.5	2.5					
23	10/30/2001		5	5	2.5			2.5	2.5	2.5					2.5
24	5/22/2002		13	2.5				2.5	2.5	2.5					
25	2/16/2003	6.9		17	2.5			2.5	2.5	2.5					
26	6/20/2003			1	7										4
27	12/5/2003	7.4		2.5	2.5			5.3	5.3	2.5					2.5
28	5/8/2004	6.7		3.2	2.3			2.6	2.6	1					
29	12/13/2004	11.2		9.6	3.1			4.4	4.4	1					2.4
30	3/26/2005	3.7		1	1			1	1	1					
31	4/1/2005			5.1				5.1	5.1	24.1					
32	5/10/2005			3.6				1	1	1					
33															
34	Benchmark		10												
35															
36															
37		20													

SCHN00377070

	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1														
2														
3														
4									**Exceedance Ratio**					
5	15	16	17	18	20				1	2	3	4	5	6
6	**15**	**16**	17	18	**20**		Average		1	2	3	4	5	5
7														
8	2.5	13	2.5	8			5.59			0.4	0.25	0.6	1.3	1.1
9	2.5	2	6	9			6.55			2	0.6	0.25	0.8	0.8
10	11	8	2.5	15			9.43			0.25	1.9	1.2	0.25	1.6
11	27	1.5	1.5	4			6.98			1.1	0.15	0.15	0.6	0.15
12	8.6	4.3	2	3.2			3.84			0.53	0.35	0.19	0.41	0.19
13							12.45			1.35	0.82	1.8	1.48	0.54
14							3.80			0.25	0.25	0.25		0.25
15							17.19			4	1.2	0.25	2.6	0.25
16							6.30			1.26	0.51	0.57	0.33	0.39
17							12.90			2.3	0.9	1.8	0.9	0.8
18							4.40			1.2	0.25	0.25	0.25	0.25
19					2.5		9.07			1.6	0.9	0.9	1.1	1.4
20		64			2.5		10.97			0.7	0.25	0.25	0.6	0.25
21		2.5			2.5		4.67			1.2	0.82	0.25	0.25	0.25
22					2.5		4.93			0.96	1	0.25	0.25	0.25
23					2.5		3.21			0.5	0.5	0.25		
24		7.1					5.52			1.3	0.25			
25	5.1	2.5			2.5		5.19		0.69		1.7	0.25		
26					2		3.50				0.1	0.7		
27		2.5			2.5		3.46		0.74		0.25	0.25		
28	8.9	3.7			3.6		4.00		0.67		0.32	0.23		
29		2			1		4.34		1.12		0.96	0.31		
30	6	1			1		1.96		0.37		0.1	0.1		
31					5.3		9.90				0.51			
32							1.87				0.36			
33														
34								Ave	0.72	1.23	0.61	0.50	0.79	0.56
35														
36														
37														

	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
1															
2															
3															
4															
5	5/6		7	9	10	11	12	14	15	16	17	18	20		Average
6	5	Ave 5	6	9	10	11	12	14	15	16	17	18	20		Average
7															
8		1.2	0.25	0.25				0.6	0.25	1.3		0.8			0.59
9		0.8	0.25		0.25			1.1	0.25	0.2		0.9			0.66
10		0.925	0.7					0.8	1.1	0.8		1.5			1.02
11		0.375	0.4					1.4	2.7	0.15		0.4			0.76
12		0.3	0.35					0.31	0.86	0.43		0.32			0.40
13		1.01													1.25
14		0.25	0.9												0.38
15		1.425													1.72
16		0.36	0.45												0.63
17		0.85	0.6												1.29
18		0.25	0.25												0.44
19		1.25	0.25					1.2					0.25		0.91
20		0.425	0.25					0.25		6.4			0.25		1.10
21		0.25	0.25							0.25			0.25		0.47
22		0.25	0.25										0.25		0.49
23	0.25	0.25	0.25					0.25					0.25		0.32
24	0.25	0.25	0.25							0.71					0.55
25	0.25	0.25	0.25						0.51	0.25			0.25		0.52
26								0.4					0.2		0.35
27	0.53	0.25	0.25					0.25		0.25			0.25		0.31
28	0.26	0.25	0.1						0.89	0.37			0.36		0.40
29	0.44	0.25	0.1					0.24		0.2			0.1		0.41
30	0.1	0.25	0.1						0.6	0.1			0.1		0.22
31	0.51	0.25	2.41										0.53		0.93
32	0.1	0.25	0.1												0.24
33															
34	0.30	0.51	0.41	0.25	0.25			0.62	0.90	0.88		0.78	0.25		0.65
35															
36															
37															



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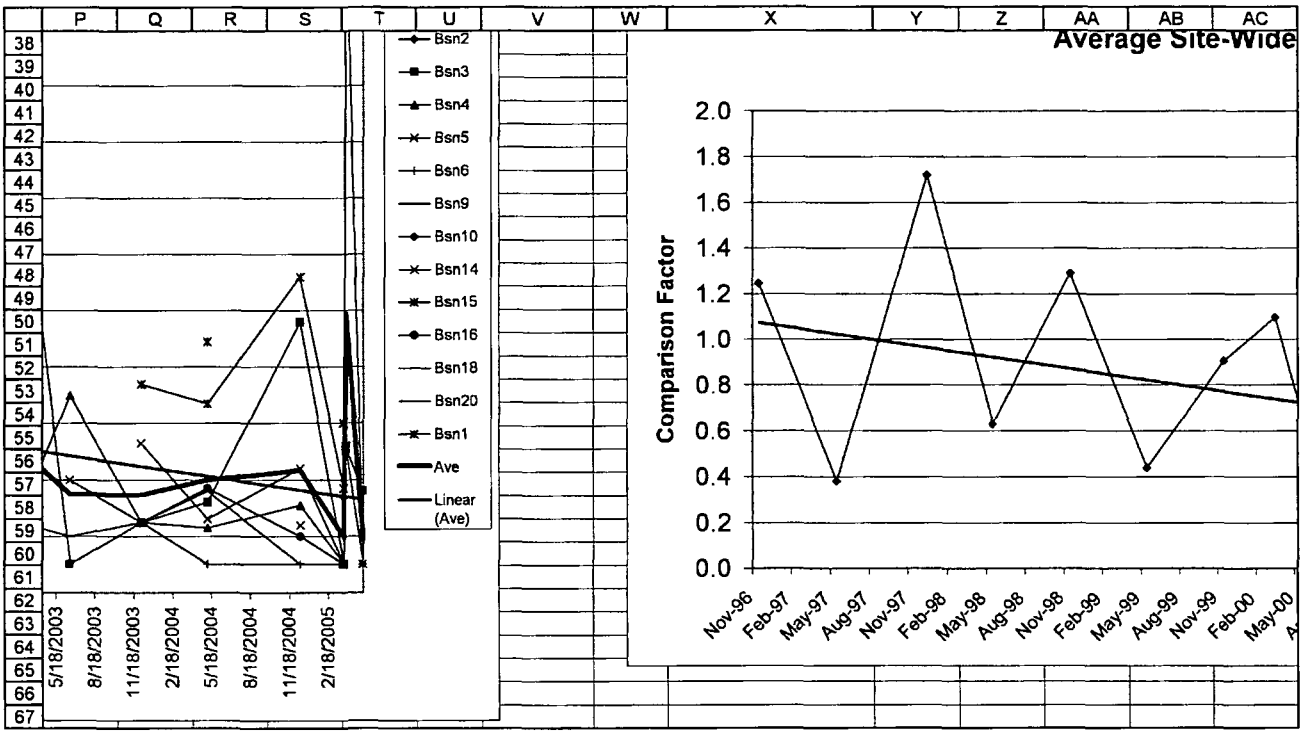

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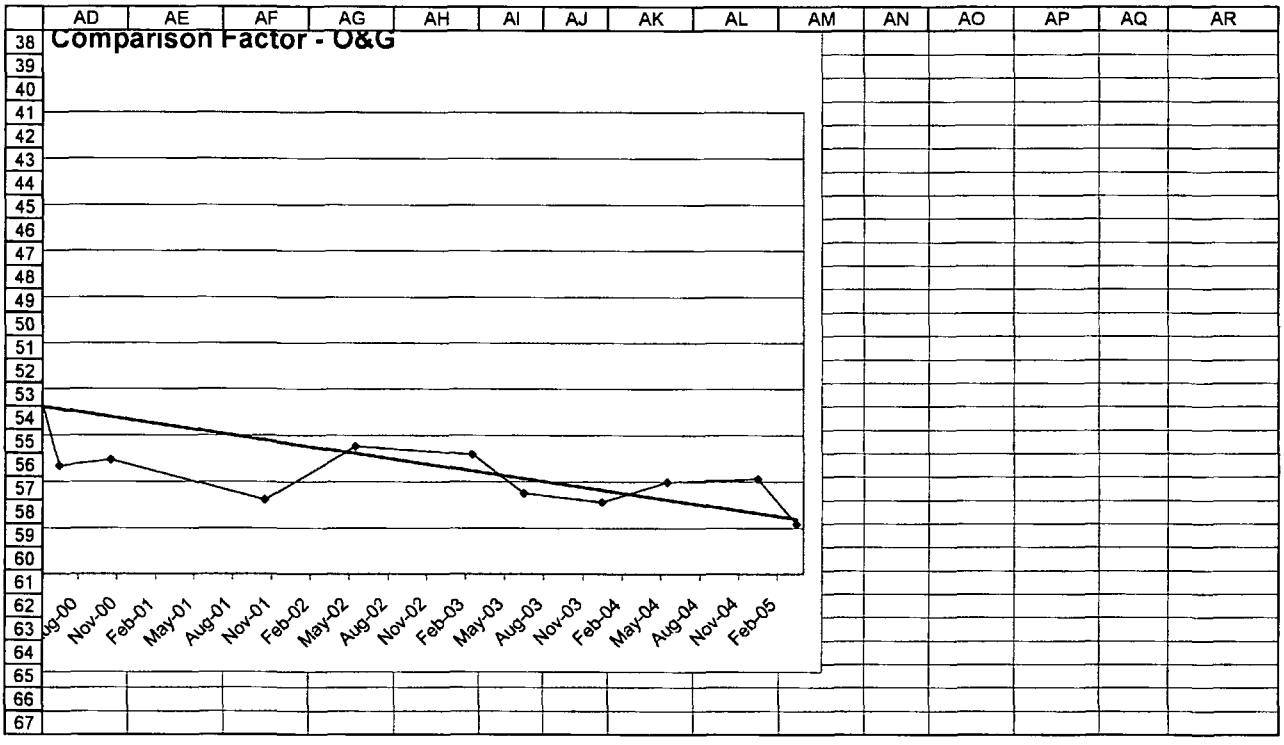


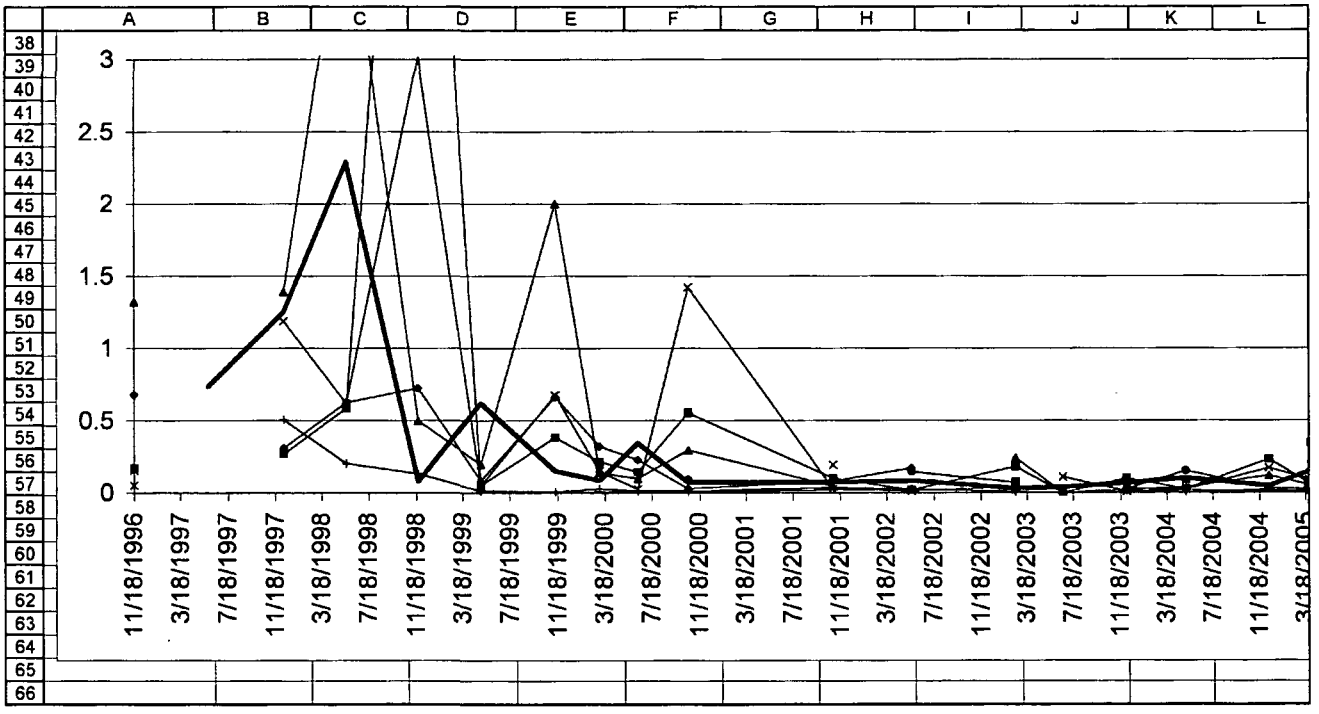
SCHN00377075

	A	B	C	D	E	F	G	H	I	J	K	L
1	**Copper**											
2												
3												
4	**Concentration**											
5	Old Basin	1	2	3	4	5	6	5/6		7	9	10
6	New Basin	1	2	3	4	5	5	5	Ave 5	6	9	10
7												
8	12/14/1993		0.06	0.025	0.005	0.08	0.06		0.07	0.005	0.15	
9	12/14/1994		0.34	0.04	0.13	0.12	0.03		0.075	0.04		0.005
10	2/17/1995		0.05	0.55	0.08	0.005	0.16		0.0825	0.02		
11	11/27/1995		0.42	0.06	0.02	0.12	0.005		0.0625	0.02		
12	4/12/1996		0.6	0.14	0.19	0.15	0.08		0.115	0.073		
13	11/18/1996		0.679	0.17	1.32	0.198	0.113		0.1555			
14	5/28/1997											
15	12/9/1997		0.31	0.267	1.39	1.81	0.565		1.1875	0.505		
16	5/20/1998		0.624	0.586	**4.23**	0.431	0.801		0.616	0.203		
17	11/23/1998		0.725	**7.08**	0.499	**4.76**	1.27		3.015	0.132		
18	5/3/1999		0.085	0.051	0.197	0.022	0.073		0.0475	0.012		
19	11/11/1999		0.663	0.383	2	0.232	1.12		0.676	0.005		
20	3/4/2000		0.323	0.216	0.138	0.214	0.079		0.1465	0.029		
21	6/11/2000		0.229	0.144	0.101	0.031	0.018		0.0245	0.014		
22	10/20/2000		0.03	0.554	0.296	0.24	**2.6**		1.42	0.014		
23	10/30/2001		0.081	0.099	0.045			0.027	0.027	0.034		
24	5/22/2002		0.17	0.019				0.013	0.013	0.025		
25	2/16/2003	0.071		0.18	0.24			0.04	0.04	0.005		
26	6/20/2003			0.0005	0.0005							
27	12/5/2003	0.086		0.099	0.023			0.032	0.032	0.012		
28	5/8/2004	0.086		0.026	0.039			0.024	0.024	0.006		
29	12/13/2004	0.2		0.23	0.12			0.17	0.17	0.023		
30	3/26/2005	0.063		0.066	0.055			0.093	0.093	0.008		
31	4/1/2005			0.343				0.183	0.183	0.0104		
32	5/10/2005			0.11				0.15	0.15	0.0032		
33												
34	Benchmark		0.1									
35												
36												
37												

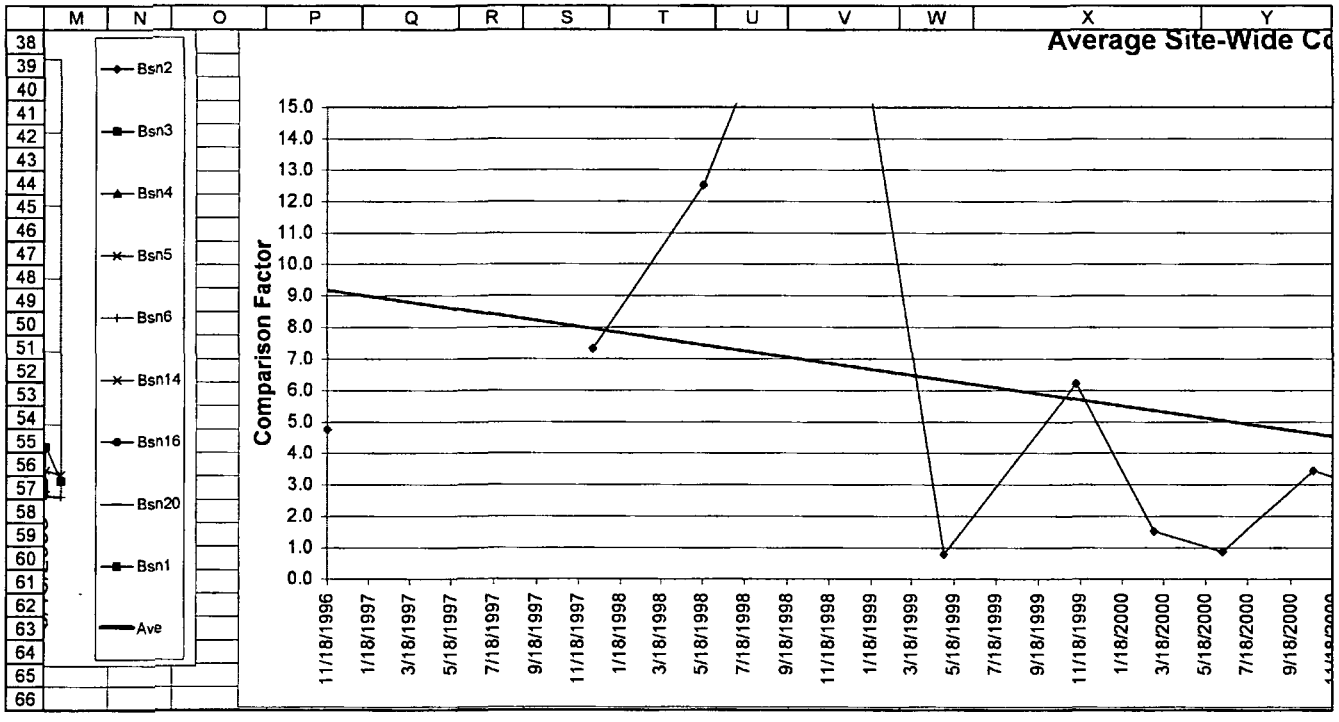
	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1													
2													
3													
4												**Exceedance Factors**	
5	11	12	14	15	16	17	18	20				1	2
6	11	12	14	15	16	17	18	20		Average		1	2
7													
8			0.1	0.005	0.07		0.16			0.065			0.6
9			0.11	0.04	0.03		0.66			0.147			3.4
10			0.11	0.07	0.005		0.23			0.133			0.5
11			0.64	0.15	0.03		0.07			0.164			4.2
12			0.067	0.14	0.098		0.17			0.177			6
13			0.052							0.475			6.79
14													
15										0.732			3.1
16										1.252			6.24
17										2.290			7.25
18										0.079			0.85
19								0.005		0.622			6.63
20			0.17		0.191			0.005		0.152			3.23
21								0.005		0.086			2.29
22					0.09			0.005		0.344			0.3
23			0.193					0.018		0.071			0.81
24					0.144					0.074			1.7
25				0.06	0.071			0.005		0.084		0.71	
26			0.11					0.0005		0.028			
27			0.011		0.029			0.005		0.037		0.86	
28				0.19	0.15			0.018		0.067		0.86	
29			0.037		0.033			0.009		0.103		2	
30				0.058	0.026			0.019		0.049		0.63	
31								0.0383		0.144			
32										0.088			
33													
34											Ave	1.012	3.368125
35													
36													
37													

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ
1											
2											
3											
4											
5	3	4	5	6	5/6		7	9	10	11	12
6	3	4	5	5	5	Ave 5	6	9	10	11	12
7											
8											
9	0.4	1.3	1.2	0.3		0.75	0.4		0.05		
10	5.5	0.8	0.05	1.6		0.825	0.2				
11	0.6	0.2	1.2	0.05		0.625	0.2				
12	1.4	1.9	1.5	0.8		1.15	0.73				
13	1.7	13.2	1.98	1.13		1.555					
14											
15	2.67	13.9	18.1	5.65		11.875	5.05				
16	5.86	42.3	4.31	8.01		6.16	2.03				
17	70.8	4.99	47.6	12.7		30.15	1.32				
18	0.51	1.97	0.22	0.73		0.475	0.12				
19	3.83	20	2.32	11.2		6.76	0.05				
20	2.16	1.38	2.14	0.79		1.465	0.29				
21	1.44	1.01	0.31	0.18		0.245	0.14				
22	5.54	2.96	2.4	26		14.2	0.14				
23	0.99	0.45			0.27	0.27	0.34				
24	0.19				0.13	0.13	0.25				
25	1.8	2.4			0.4	0.4	0.05				
26	0.005	0.005									
27	0.99	0.23			0.32	0.32	0.12				
28	0.26	0.39			0.24	0.24	0.06				
29	2.3	1.2			1.7	1.7	0.23				
30	0.66	0.55			0.93	0.93	0.08				
31	3.43				1.83	1.83	0.104				
32	1.1				1.5	1.5	0.032				
33											
34	4.962391304	5.55675	6.41	5.318461538	0.813333333	3.797954545	0.568380952		0.05		
35											
36											
37											

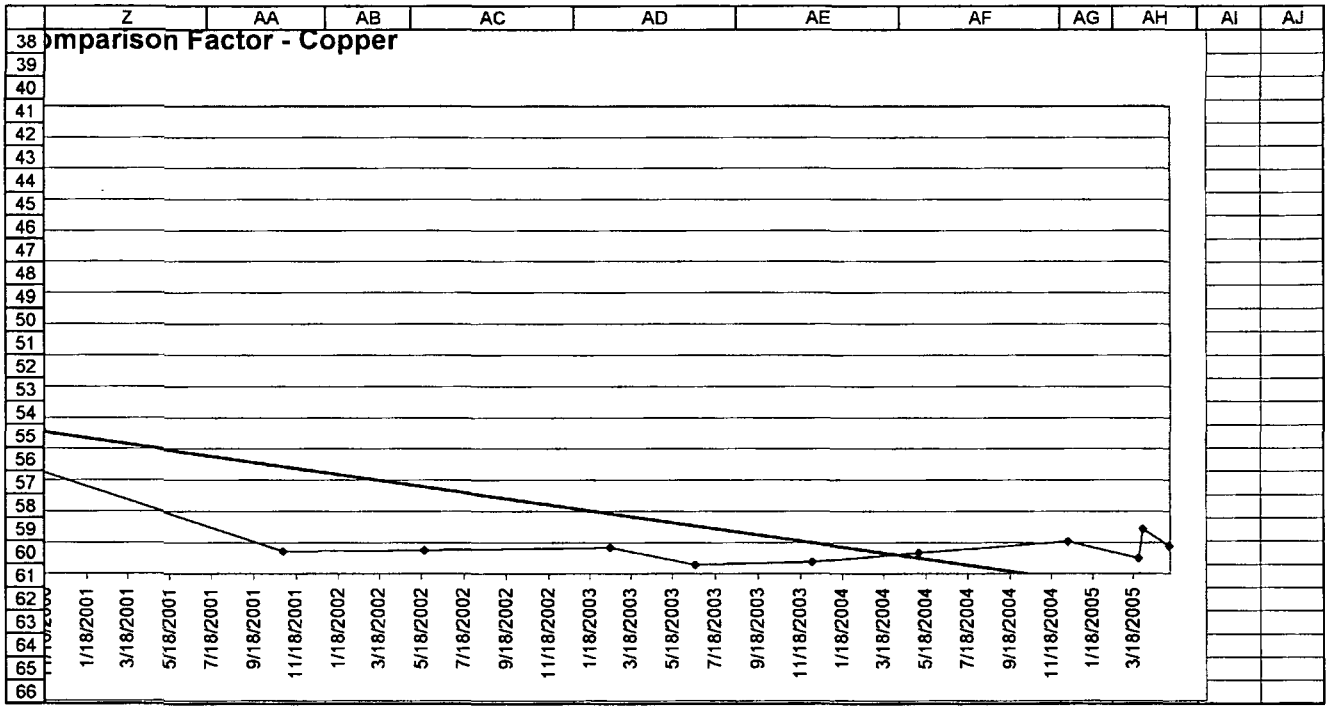
	AK	AL	AM	AN	AO	AP	AQ	AR
1								
2								
3								
4								
5	14	15	16	17	18	20		
6	14	15	16	17	18	20		Average
7								
8								0.600
9	1.1	0.4	0.3		6.6			1.470
10	1.1	0.7	0.05		2.3			1.331
11	6.4	1.5	0.3		0.7			1.636
12	0.67	1.4	0.98		1.7			1.770
13	0.52							4.753
14								
15								7.319
16								12.518
17								22.902
18								0.785
19						0.05		6.220
20	1.7		1.91			0.05		1.523
21						0.05		0.863
22			0.9			0.05		3.441
23	1.93					0.18		0.710
24			1.44					0.742
25		0.6	0.71			0.05		0.840
26	1.1					0.005		0.279
27	0.11		0.29			0.05		0.371
28		1.9	1.5			0.18		0.674
29	0.37		0.33			0.09		1.028
30		0.58	0.26			0.19		0.485
31						0.383		1.437
32								0.877
33								
34	1.5	1.011428571	0.7475		2.825	0.110666667		3.107
35								
36								
37								



SCHN00377080



SCHN00377081



SCHN00377082

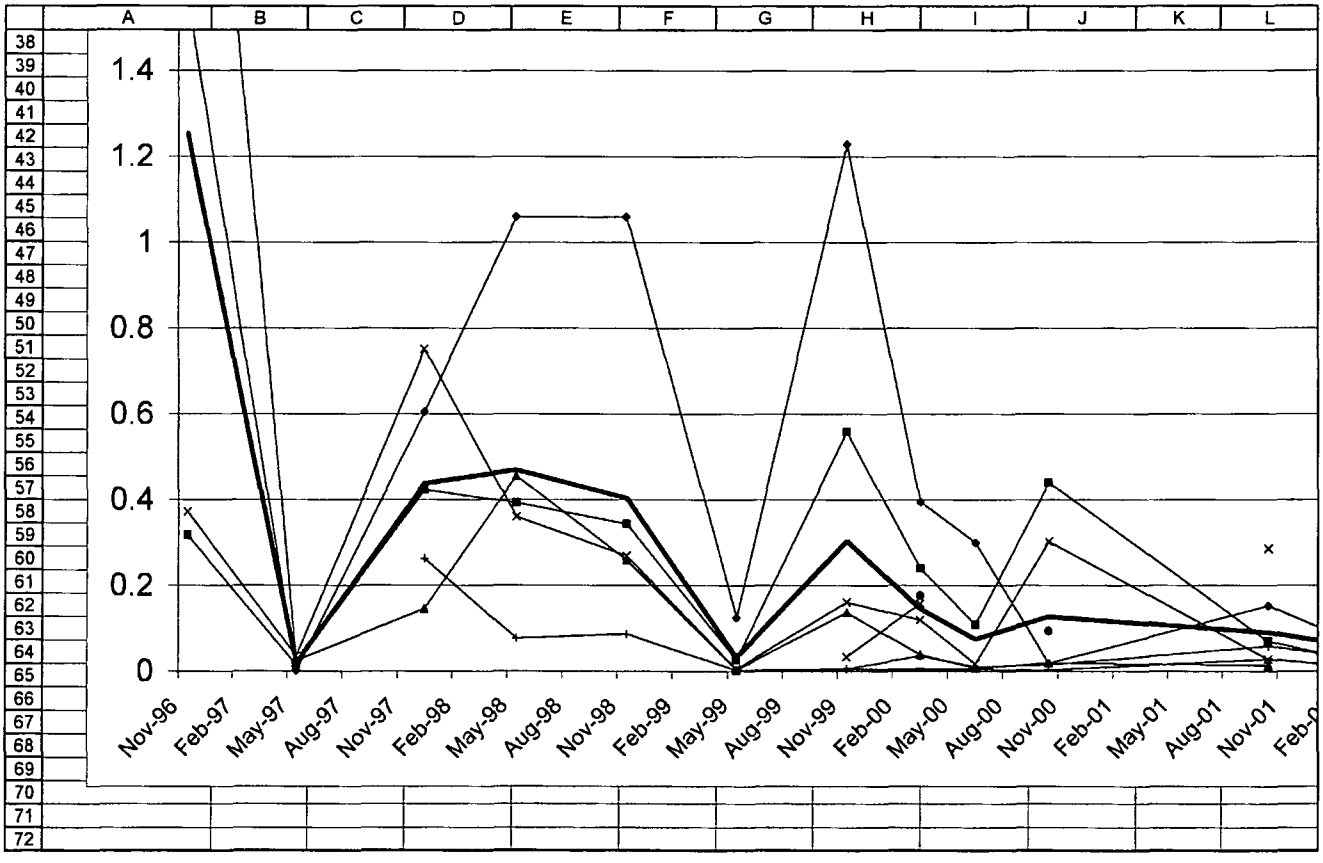
	A	B	C	D	E	F	G	H	I	J	K	L
1	**Lead**											
2												
3												
4	**Concentration**											
5	Old Basin	1	2	3	4	5	6	5/6		7	9	10
6	New Basin	1	2	3	4	5	5	5	Ave 5	6	9	10
7												
8	12/14/1993		0.11	0.42	0.06	0.14	0.06		0.1	0.01	0.68	
9	12/14/1994		0.74	0.025	0.033	0.3	0.031		0.1655	0.017		0.005
10	2/17/1995		0.08	1.1	0.18	0.005	0.33		0.1675	0.064		
11	11/27/1995		0.78	0.05	0.05	0.22	0.02		0.12	0.05		
12	4/12/1996		1.2	0.26	0.32	0.35	0.11		0.23	0.14		
13	11/18/1996		1.57	0.318	2.76	0.461	0.285		0.373			
14	5/28/1997		0.002	0.015	0.025		0.036		0.036			
15	12/9/1997		0.606	0.424	0.146	1.39	0.115		0.7525	0.263		
16	5/20/1998		1.06	0.394	0.456	0.562	0.16		0.361	0.078		
17	11/23/1998		1.06	0.344	0.26	0.284	0.256		0.27	0.088		
18	5/3/1999		0.126	0.027	0.003	0.008	0.004		0.006	0.003		
19	11/11/1999		1.23	0.56	0.138	0.24	0.083		0.1615	0.006		
20	3/4/2000		0.396	0.24	0.039	0.228	0.012		0.12	0.036		
21	6/11/2000		0.301	0.109	0.008	0.032	0.003		0.0175	0.011		
22	10/20/2000		0.019	0.441	0.02	0.375	0.23		0.3025	0.015		
23	10/30/2001		0.153	0.07	0.014			0.028	0.028	0.059		
24	5/22/2002		0.024	0.001				0.001	0.001	0.016		
25	2/16/2003	0.096		0.206	0.0068			0.0256	0.0256	0.002		
26	6/20/2003			0.0005	0.0005							
27	12/5/2003	0.095		0.048	0.0033			0.0229	0.0229	0.0142		
28	5/8/2004	0.16		0.064	0.005			0.036	0.036	0.037		
29	12/13/2004	0.691		0.398	0.21			0.401	0.401	0.04		
30	3/26/2005	0.114		0.119	0.084			0.217	0.217	0.019		
31	4/1/2005			0.791				0.42	0.42	0.022		
32	5/10/2005			0.36				0.199	0.199	0.0043		
33												
34	Benchmark		0.4									
35												
36												
37												

	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1														
2														
3														
4												**Exceedance**		
5	11	12	14	15	16	17	18	20				1	2	3
6	11	12	14	15	16	17	18	20		Average		1	2	3
7														
8			0.26	0.02	0.08		0.31			0.205			0.275	1.050
9			0.19	0.007	0.022		0.55			0.175			1.850	0.063
10			0.21	0.09	0.017		0.07			0.220			0.200	2.750
11			1.2	0.33	0.05		0.11			0.304			1.950	0.125
12			0.11	0.34	0.24		0.23			0.341			3.000	0.650
13										1.255			3.925	0.795
14										0.020			0.005	0.038
15										0.438			1.515	1.060
16										0.470			2.650	0.985
17										0.404			2.650	0.860
18										0.033			0.315	0.068
19			0.034					0.006		0.305			3.075	1.400
20			0.158		0.177			0.006		0.147			0.990	0.600
21								0.006		0.075			0.753	0.273
22					0.094			0.003		0.128			0.048	1.103
23			0.286					0.028		0.091			0.383	0.175
24					0.164					0.041			0.060	0.003
25				0.067	0.114			0.0046		0.065		0.240		0.515
26			0.05					0.0005		0.013				0.001
27			0.0246		0.0415			0.002		0.031		0.238		0.120
28				0.354	0.183			0.025		0.108		0.400		0.160
29			0.066		0.019			0.0025		0.228		1.728		0.995
30				0.086	0.054			0.027		0.090		0.285		0.298
31								0.0555		0.322				1.978
32										0.188				0.900
33														
34											Ave	0.578	1.391	0.678
35														
36														
37														

SCHN00377084

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1															
2															
3															
4															
5	4	5	6	5/6		7	9	10	11	12	14	15	16	17	18
6	4	5	5	5	Ave 5	6	9	10	11	12	14	15	16	17	18
7															
8	0.150	0.350	0.150		0.250	0.025	1.700				0.650	0.050	0.200		0.775
9	0.083	0.750	0.078		0.414	0.043		0.013			0.475	0.018	0.055		1.375
10	0.450	0.013	0.825		0.419	0.160					0.525	0.225	0.043		0.175
11	0.125	0.550	0.050		0.300	0.125					3.000	0.825	0.125		0.275
12	0.800	0.875	0.275		0.575	0.350					0.275	0.850	0.600		0.575
13	6.900	1.153	0.713		0.933										
14	0.063		0.090		0.090										
15	0.365	3.475	0.288		1.881	0.658									
16	1.140	1.405	0.400		0.903	0.195									
17	0.650	0.710	0.640		0.675	0.220									
18	0.008	0.020	0.010		0.015	0.008									
19	0.345	0.600	0.208		0.404	0.015					0.085				
20	0.098	0.570	0.030		0.300	0.090					0.395		0.443		
21	0.020	0.080	0.008		0.044	0.028									
22	0.050	0.938	0.575		0.756	0.038							0.235		
23	0.035			0.070	0.070	0.148					0.715				
24				0.003	0.003	0.040							0.410		
25	0.017					0.005						0.168	0.285		
26	0.001										0.125				
27	0.008			0.057	0.057	0.036					0.062		0.104		
28	0.013			0.090	0.090	0.093						0.885	0.458		
29	0.525			1.003	1.003	0.100					0.165		0.048		
30	0.210			0.543	0.543	0.048						0.215	0.135		
31				1.050	1.050	0.055									
32				0.498	0.498	0.011									
33															
34	0.548	0.821	0.289	0.414	0.490	0.113	1.700	0.013			0.588	0.404	0.241		0.635
35															
36															
37															

	AP	AQ	AR
1			
2			
3			
4			
5	20		Average
6	20		Average
7			
8			0.513
9			0.439
10			0.550
11			0.761
12			0.853
13			3.138
14			0.049
15			1.096
16			1.175
17			1.011
18			0.083
19	0.015		0.763
20	0.015		0.366
21	0.015		0.189
22	0.008		0.319
23	0.070		0.228
24			0.103
25	0.012		0.177
26	0.001		0.032
27	0.005		0.079
28	0.063		0.270
29	0.006		0.571
30	0.068		0.225
31	0.139		0.805
32			0.469
33			
34	0.035		0.570
35			
36			
37			



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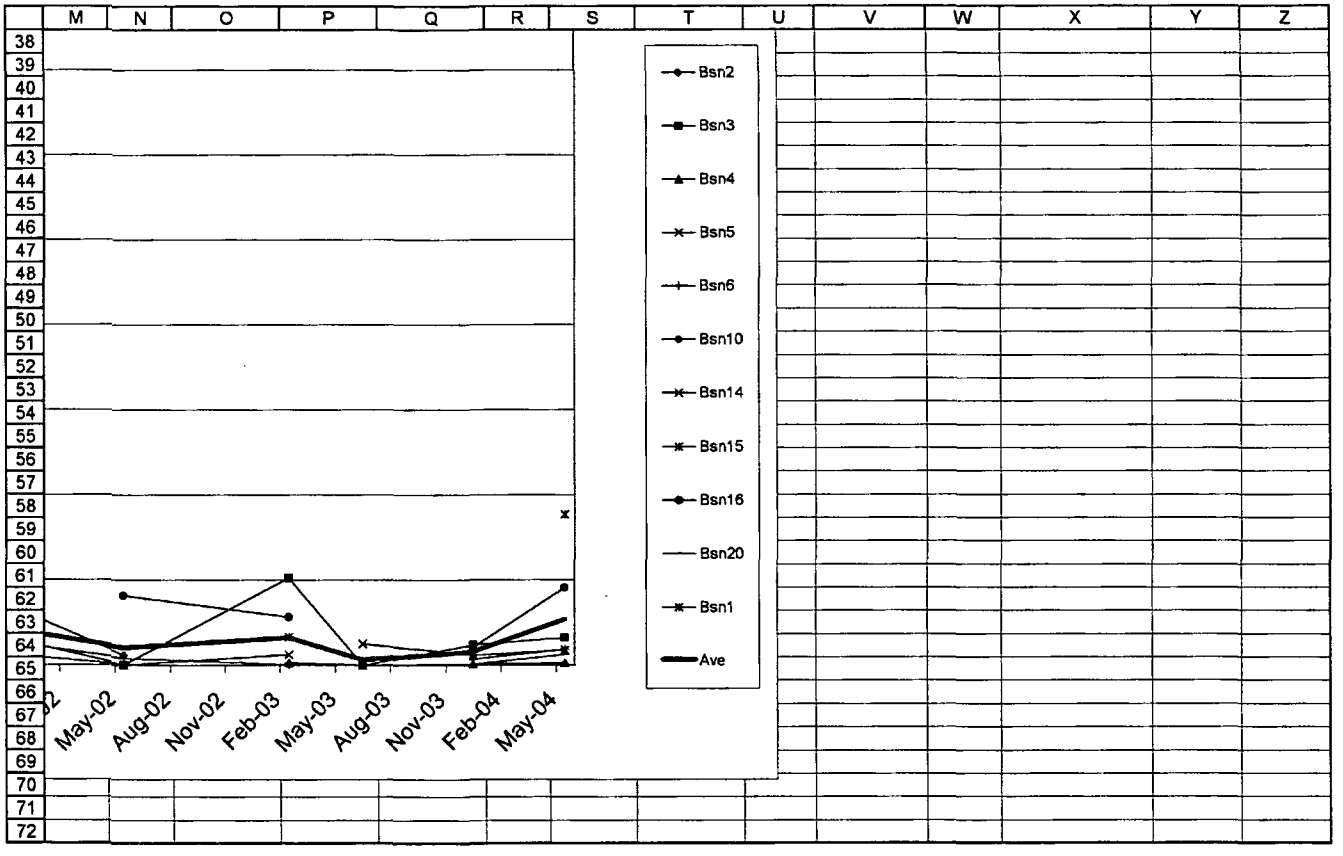
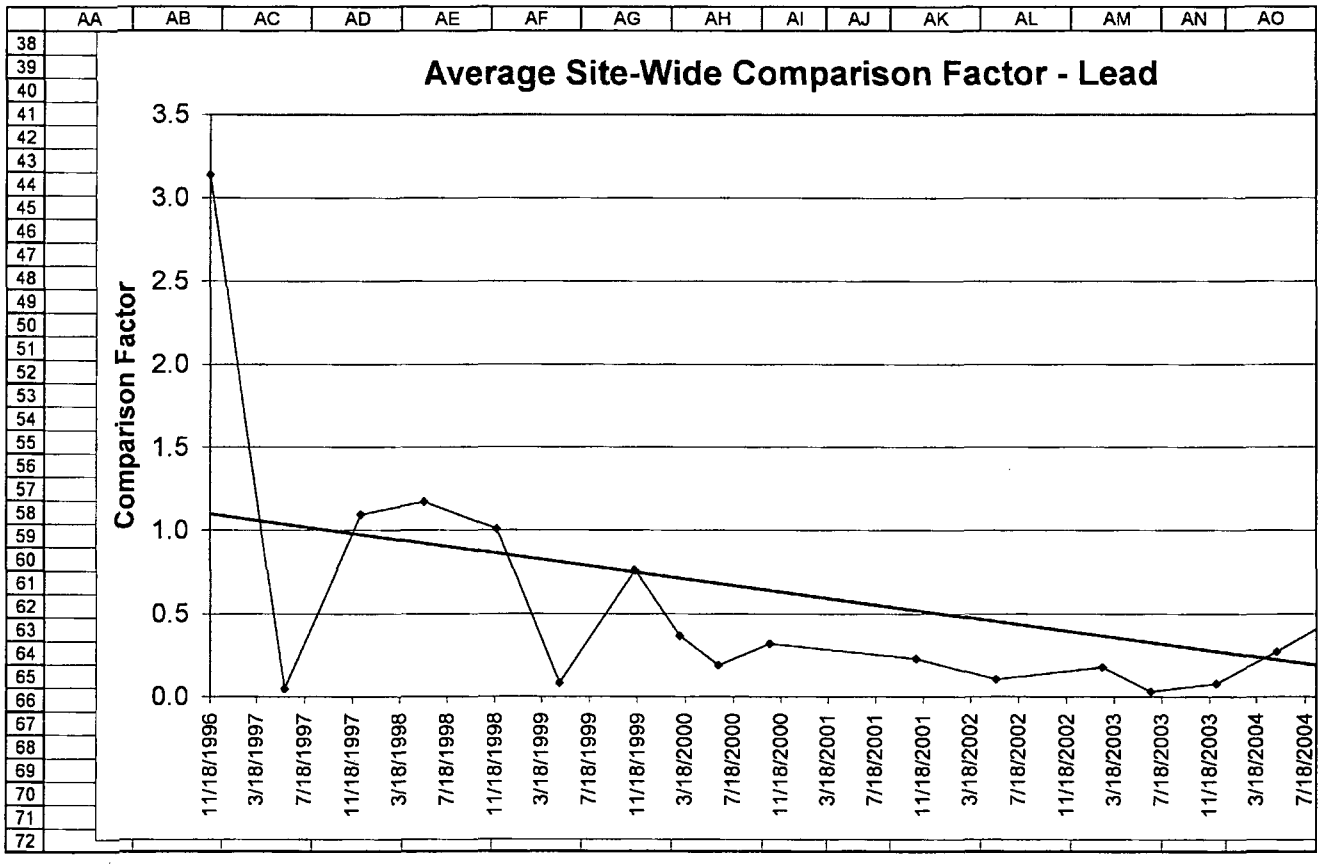
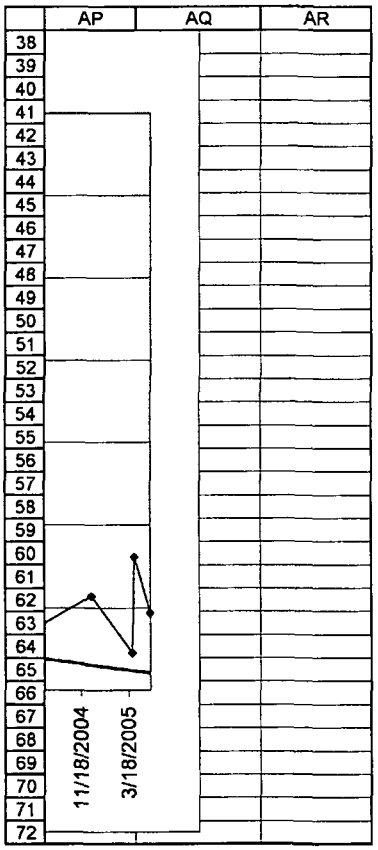


SCHN00377088



SCHN00377089



SCHN00377090

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	**Zinc**												
2													
3													
4	**Concentration**												
5	Old Basin	1	2	3	4	5	6	5/6		7	9	10	11
6	New Basin	1	2	3	4	5	5	5	Ave 5	6	9	10	11
7													
8	12/14/1993		0.7	2.3	0.16	0.49	0.11		0.3	0.005	0.81		
9	12/14/1994		5.9	0.16	0.13	0.74	0.06		0.4	0.05		0.05	
10	2/17/1995		0.64	6.7	0.43	0.03	1.2		0.615	0.09			
11	11/27/1995		5.3	0.24	0.18	0.54	0.05		0.295	0.15			
12	4/12/1996		8.7	1.9	1.8	0.74	0.29		0.515	0.3			
13	11/18/1996		10.4	1.45	7.87	1.27	0.72		0.995				
14	5/28/1997		0.03	0.08	0.1		0.11		0.11				
15	12/9/1997		4.47	3.21	0.56	3.93	0.28		2.105	0.63			
16	5/20/1998		5.72	2.51	2.1	1.61	0.56		1.085	0.29			
17	11/23/1998		7.67	0.806	0.973	0.49	0.757		0.6235	0.237			
18	5/3/1999		1.71	0.262	0.064	0.074	0.012		0.043	0.011			
19	11/11/1999		7.87	3.42	0.634	1.57	0.274		0.922	0.017			
20	3/4/2000		2.91	1.8	0.218	1.38	0.031		0.7055	0.085			
21	6/11/2000		1.82	0.485	0.039	0.197	0.005		0.101	0.038			
22	10/20/2000		0.287	2.3	0.088	1.51	0.688		1.099	0.048			
23	10/30/2001		1.04	0.252	0.04			0.082	0.082	0.231			
24	5/22/2002		0.268	0.076				0.015	0.015	0.106			
25	2/16/2003	0.46		1.56	0.0068			0.053	0.053	0.005			
26	6/20/2003			0.026	0.041								
27	12/5/2003	0.55		0.669	0.07			0.098	0.098	0.061			
28	5/8/2004	0.4		0.24	0.035			0.086	0.086	0.016			
29	12/13/2004	2.2		2.3	0.49			0.92	0.92	0.1			
30	3/26/2005	0.58		0.61	0.9			0.59	0.59	0.034			
31	4/1/2005			4.1				1.47	1.47	0.0594			
32	5/10/2005			1.7				0.6	0.6	0.0065			
33													
34	Benchmark		0.6										
35													
36													
37													

	N	O	P	Q	R	S	T	U	V	W	X	Y
1												
2												
3												
4											**Exceedance Factors**	
5	12	14	15	16	17	18	20				1	2
6	12	14	15	16	17	18	20		*Average*		1	2
7												
8		0.48	0.1	0.21		0.52			0.559			1.17
9		0.39	0.15	0.15		1.2			0.858			9.83
10		0.52	0.2	0.06		0.27			1.058			1.07
11		4.1	0.26	0.15		0.3			1.219			8.83
12		0.3		0.28		0.44			1.779			14.50
13									5.179			17.33
14									0.080			0.05
15									2.195			7.45
16									2.341			9.53
17									2.062			12.78
18									0.418			2.85
19		0.547					0.017		1.918			13.12
20		0.937		0.429			0.018		0.888			4.85
21				0.342			0.017		0.406			3.03
22							0.024		0.641			0.48
23		1.23					0.057		0.419			1.73
24				0.654					0.224			0.45
25			0.225	0.427			0.047		0.348		0.77	
26		0.96					0.025		0.263			
27		0.107		0.175			0.013		0.218		0.92	
28			0.66	0.36			0.1		0.237		0.67	
29		0.19		0.2			0.028		0.804		3.67	
30			0.17	0.29			0.29		0.433		0.97	
31							0.264		1.473			
32									0.769			
33												
34										Ave	1.396666667	6.415196078
35												
36												
37												

SCHN00377092

	Z	AA	AB	AC	AD	AE	AF	AG
1								
2								
3								
4								
5	3	4	5	6	5/6		7	9
6	3	4	5	5	5	Ave 5	6	9
7								
8	3.83	0.27	0.82	0.18		0.5	0.01	1.35
9	0.27	0.22	1.23	0.10		0.67	0.08	
10	11.17	0.72	0.05	2.00		1.03	0.15	
11	0.40	0.30	0.90	0.08		0.49	0.25	
12	3.17	3.00	1.23	0.48		0.86	0.50	
13	2.42	13.12	2.12	1.20		1.66		
14	0.13	0.17		0.18		0.18		
15	5.35	0.93	6.55	0.47		3.51	1.05	
16	4.18	3.50	2.68	0.93		1.81	0.48	
17	1.34	1.62	0.82	1.26		1.04	0.40	
18	0.44	0.11	0.12	0.02		0.07	0.02	
19	5.70	1.06	2.62	0.46		1.54	0.03	
20	3.00	0.36	2.30	0.05		1.18	0.14	
21	0.81	0.07	0.33	0.01		0.17	0.06	
22	3.83	0.15	2.52	1.15		1.83	0.08	
23	0.42	0.07			0.14	0.14	0.39	
24	0.13				0.03	0.03	0.18	
25	2.60	0.01			0.09	0.09	0.01	
26	0.04	0.07						
27	1.12	0.12			0.16	0.16	0.10	
28	0.40	0.06			0.14	0.14	0.03	
29	3.83	0.82			1.53	1.53	0.17	
30	1.02	1.50			0.98	0.98	0.06	
31	6.83				2.45	2.45	0.10	
32	2.83				1.00	1.00	0.01	
33								
34	2.6104	1.282484848	1.734642857	0.571888889	0.724814815	0.960277778	0.194689394	1.35
35								
36								
37								

	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR
1											
2											
3											
4											
5	10	11	12	14	15	16	17	18	20		
6	10	11	12	14	15	16	17	18	20		Average
7											
8				0.80	0.17	0.35		0.87			0.93
9	0.08			0.65	0.25	0.25		2.00			1.43
10				0.87	0.33	0.10		0.45			1.76
11				6.83	0.43	0.25		0.50			2.03
12				0.50		0.47		0.73			2.97
13											8.63
14											0.13
15											3.66
16											3.90
17											3.44
18											0.70
19				0.91					0.03		3.20
20				1.56		0.72			0.03		1.48
21						0.57			0.03		0.68
22									0.04		1.07
23				2.05					0.10		0.70
24						1.09					0.37
25					0.38	0.71			0.08		0.58
26				1.60					0.04		0.44
27				0.18		0.29			0.02		0.36
28					1.10	0.60			0.17		0.40
29				0.32		0.33			0.05		1.34
30					0.28	0.48			0.48		0.72
31									0.44		2.46
32											1.28
33											
34	0.083333333			1.478939394	0.420238095	0.477820513		0.91	0.125		1.785904907
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36											
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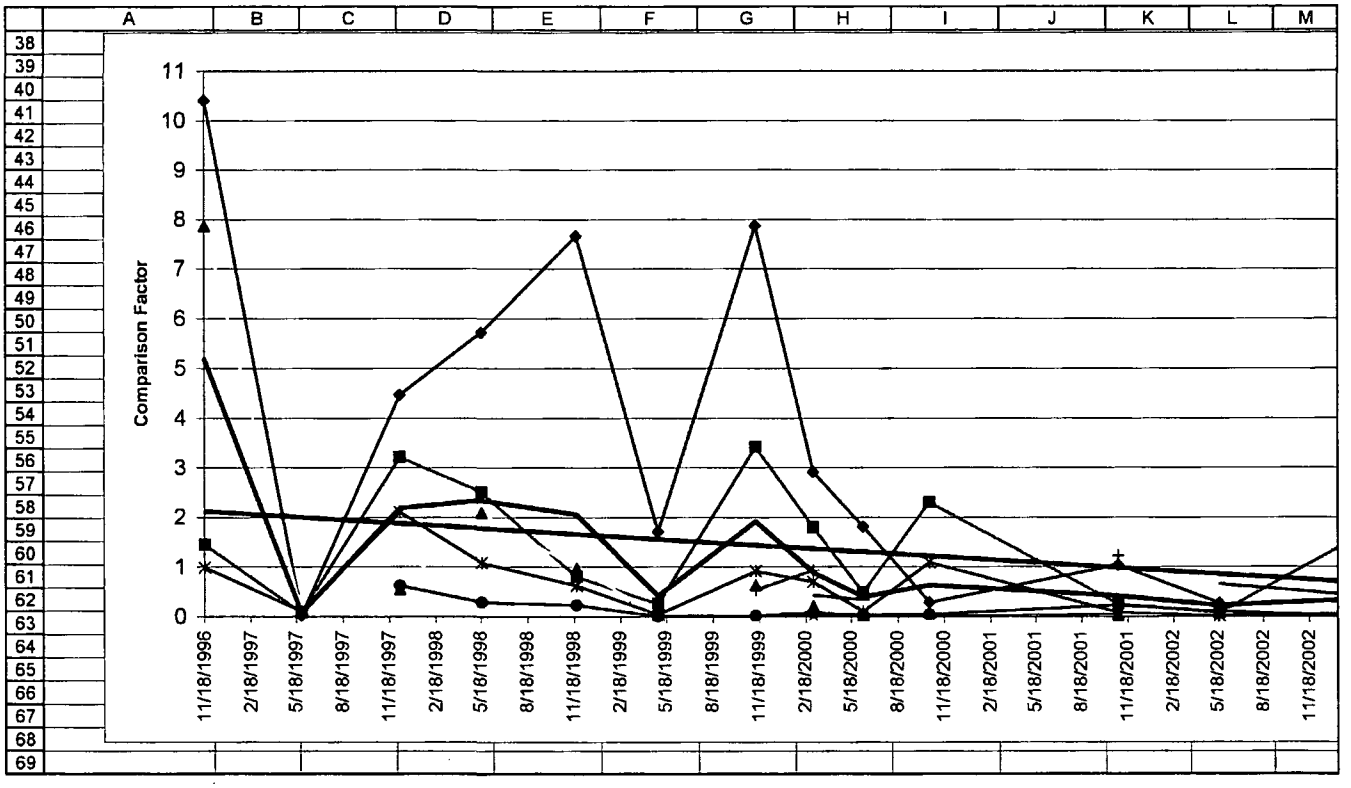

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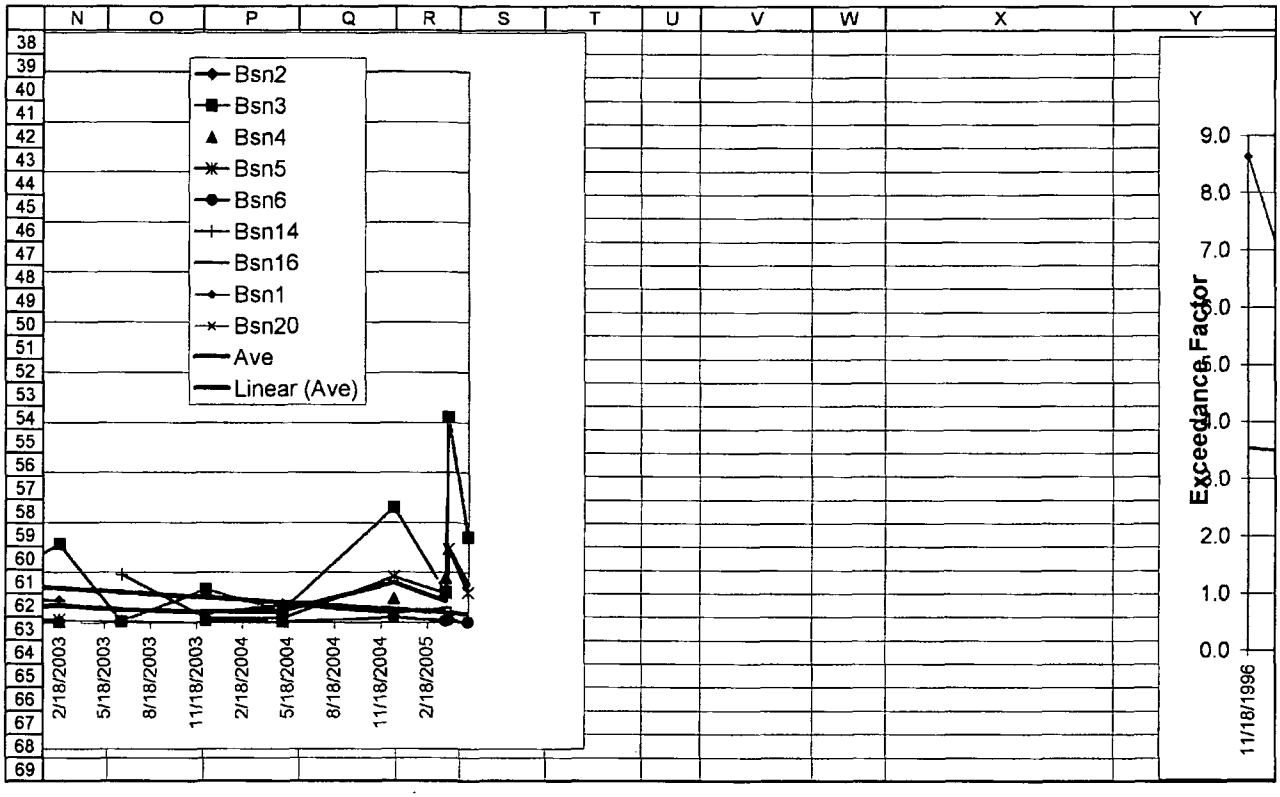

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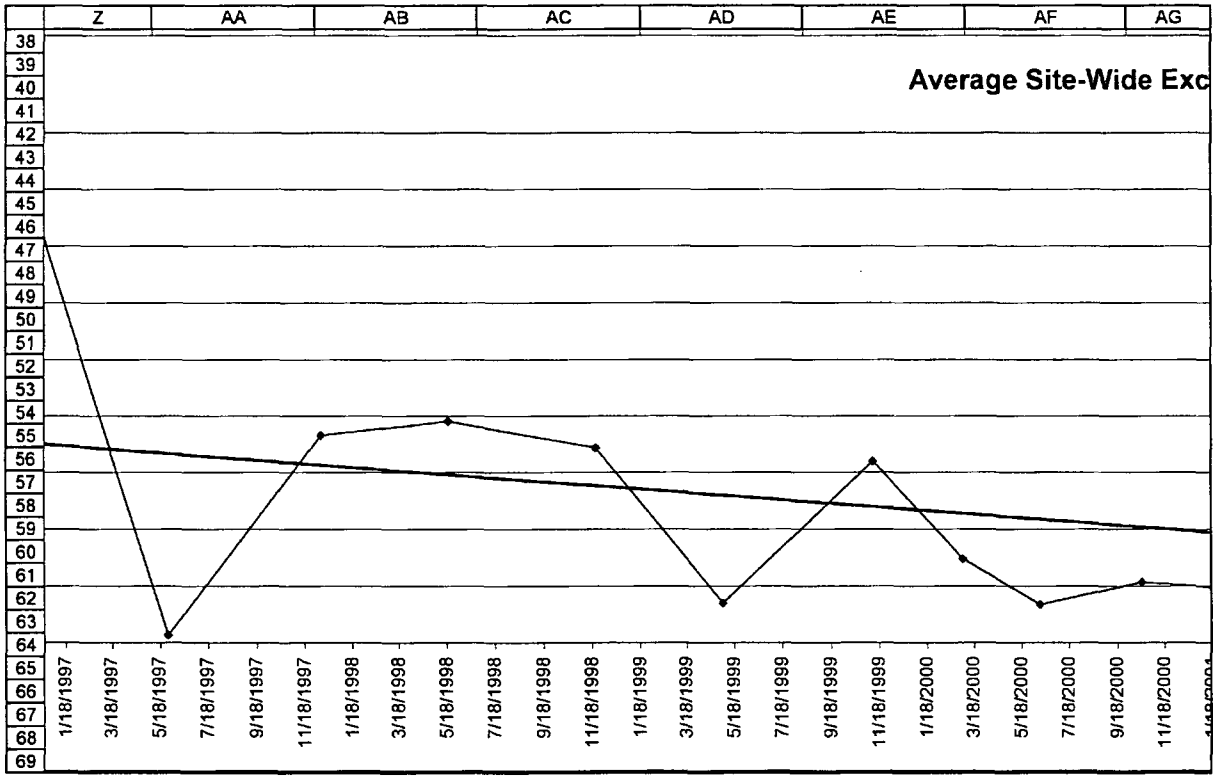

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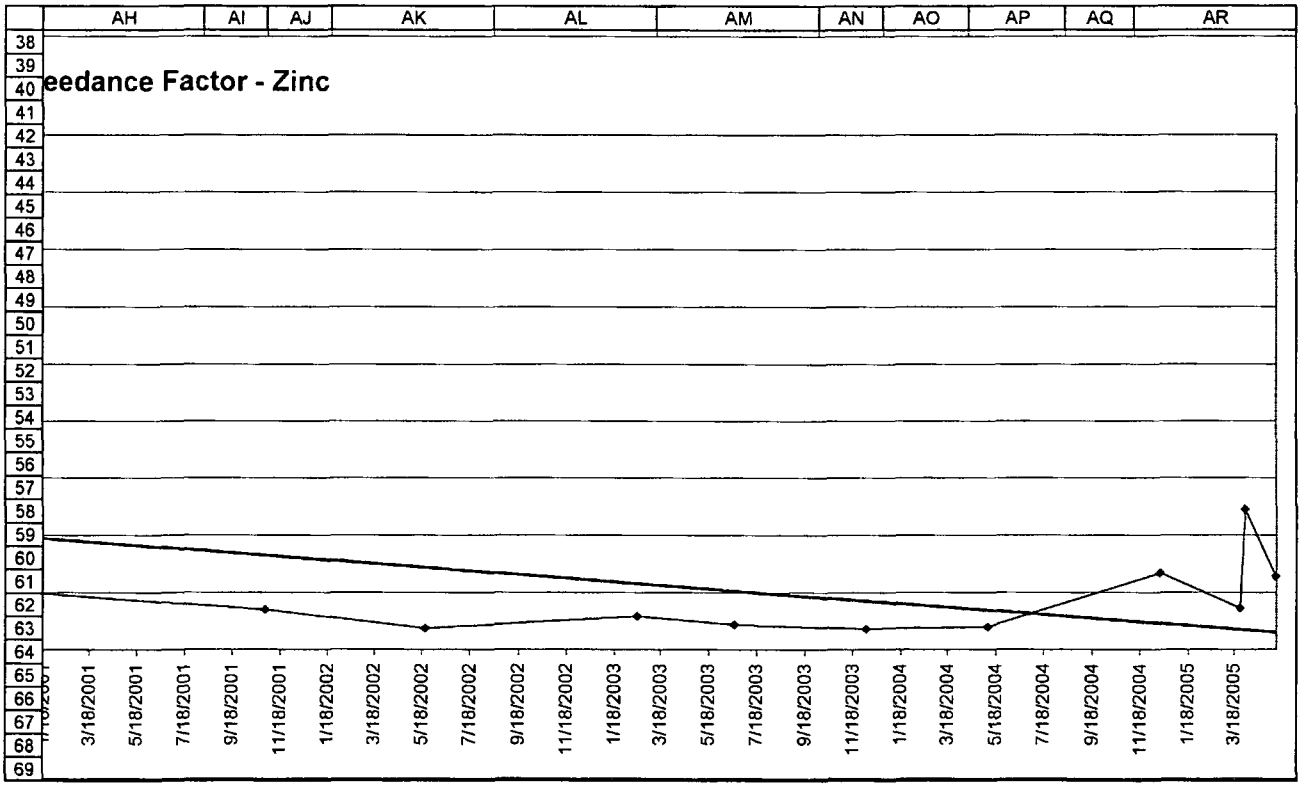

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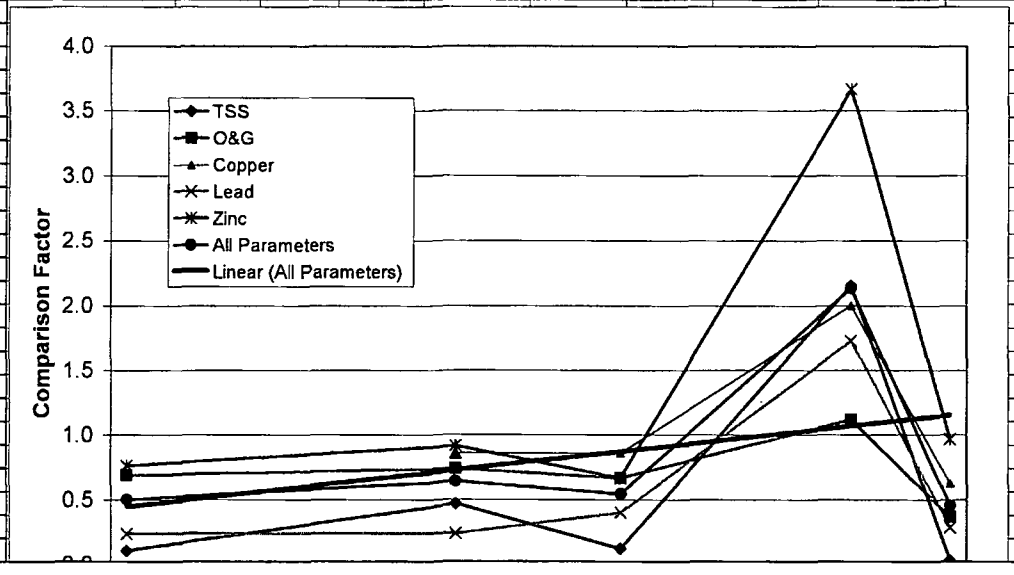
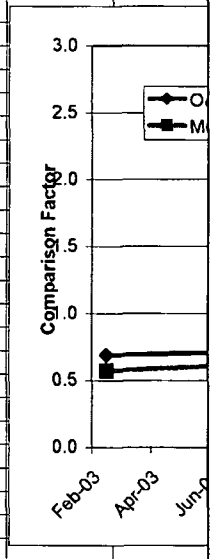
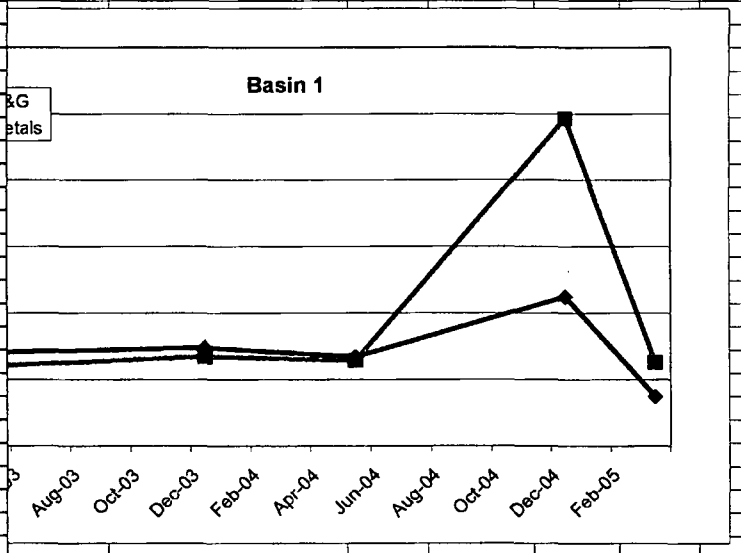
	A	B	C	D	E	F	G	H	I	J	K	L
1	**New Basin 1**											
2												
3	**Concentration**											
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel
5												
6	2/16/2003	7.23	14	6.9	0.071	0.096	0.46					
7	12/5/2003	7.48	61	7.4	0.086	0.095	0.55					
8	5/8/2004	7.01	16	6.7	0.086	0.16	0.4					
9	12/13/2004	7.29	280	11.2	0.2	0.691	2.2					
10	3/26/2005	7.02	4	3.7	0.063	0.114	0.58					
11												
12	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7





SCHN00377101

	M	N	O	P	Q	R	S	T
1								
2								
3		**Exceeedance Factors**						Metals
4		TSS	TPH	Copper	Lead	Zinc	Average	Ave
5								
6		0.11	0.69	0.71	0.24	0.77	0.50	0.57
7		0.47	0.74	0.86	0.24	0.92	0.64	0.67
8		0.12	0.67	0.86	0.40	0.67	0.54	0.64
9		2.15	1.12	2.00	1.73	3.67	2.13	2.46
10		0.03	0.37	0.63	0.29	0.97	0.46	0.63



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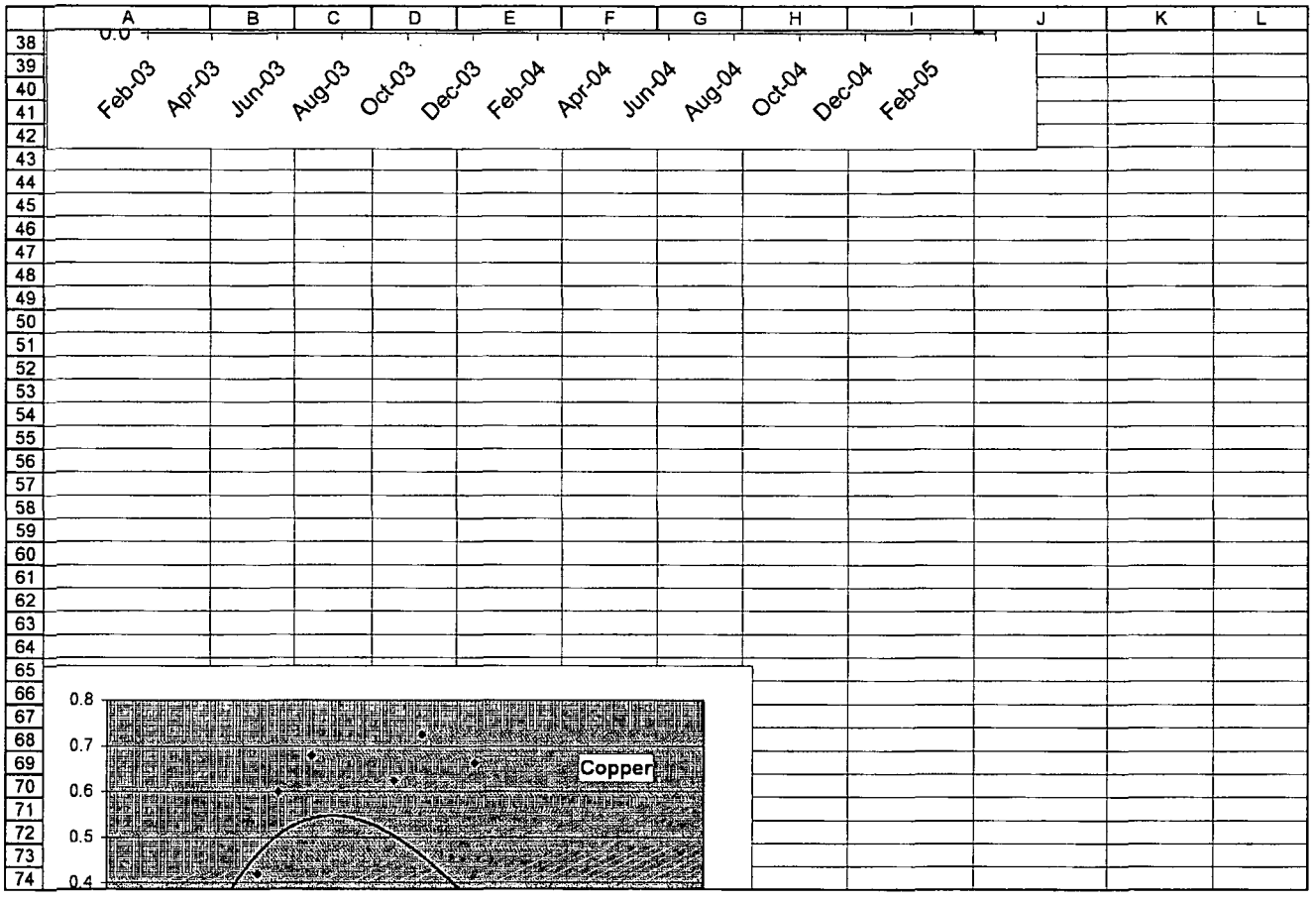

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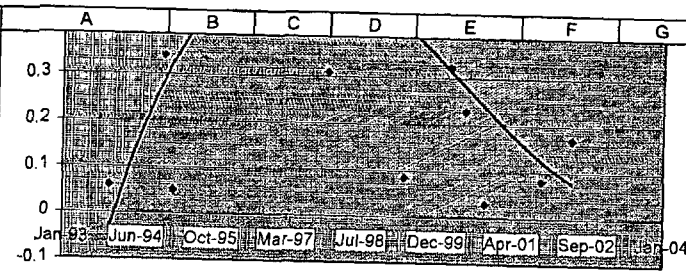
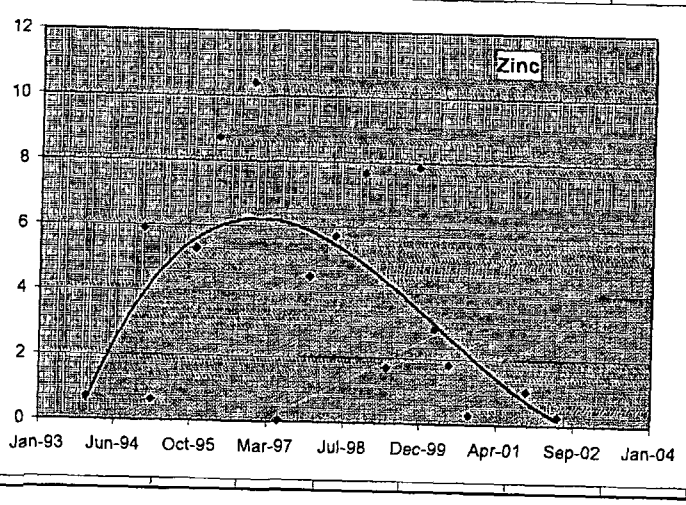
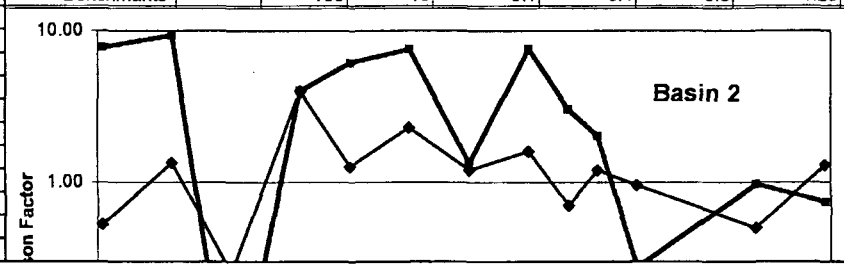
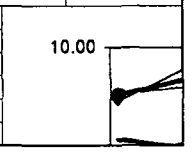




SCHN00377105

	A	B	C	D	E	F	G	H	I	J	K
1	**New Basin 2**										
2											
3	**Concentration**										
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	12/14/1993	8.3	32	4	0.06	0.11	0.7	0.0025	0.004	0.01	0.0001
7	12/14/1994	8.43	530	20	0.34	0.74	5.9	0.005	0.026	0.082	0.002
8	2/17/1995	7.32	32	2.5	0.05	0.08	0.64	0.005	0.004	0.009	0.0001
9	11/27/1995	7.6	420	11	0.42	0.78	5.3	0.005	0.007	0.18	0.0014
10	4/12/1996	7.9	720	5.3	0.6	1.2	8.7	0.13	0.024	0.14	0.0029
11	11/18/1996	8.17	1280	13.5	0.679	1.57	10.4	0.008	0.03	0.209	0.004
12	5/28/1997	7.66	6	2.5		0.002	0.03	2.5	0.002	0.0025	0.00025
13	12/9/1997	7.8	184	40	0.31	0.606	4.47	0.0025	0.016	0.041	0.0022
14	5/20/1998	7.64	208	12.6	0.624	1.06	5.72				
15	11/23/1998	7.56	280	23	0.725	1.06	7.67				
16	5/3/1999	7.21	23	12	0.085	0.126	1.71				
17	11/11/1999	7.61	200	16	0.663	1.23	7.87				
18	3/4/2000	7.79	160	7	0.323	0.396	2.91				
19	6/11/2000	7.64	54	12	0.229	0.301	1.82				
20	10/20/2000	7.31	13	9.6	0.03	0.019	0.287				
21	10/30/2001	7.04	14	5	0.081	0.153	1.04				
22	5/22/2002	7.22	13	13	0.17	0.024	0.268				
23											
24											
25											
26	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01





SCHN00377106

	L	M	N	O	P	Q	R	S	T	U	V
1											
2											
3			**Exceeedance Factors**						Metals		
4	Nickel		TSS	TPH	Copper	Lead	Zinc	Average	Average		Arsenic
5											
6	0.005		0.25	0.40	0.60	0.28	1.17	0.54	0.68		0.000588235
7	0.08		4.08	2.00	3.40	1.85	9.83	4.23	5.03		0.001176471
8	0.005		0.25	0.25	0.50	0.20	1.07	0.45	0.59		0.001176471
9	0.05		3.23	1.10	4.20	1.95	8.83	3.86	4.99		0.001176471
10	0.13		5.54	0.53	6.00	3.00	14.50	5.91	7.83		0.030588235
11	0.141		9.85	1.35	6.79	3.93	17.33	7.85	9.35		0.001882353
12	0.01		0.05	0.25		0.01	0.05	0.09	0.03		0.588235294
13	0.048		1.42	4.00	3.10	1.52	7.45	3.50	4.02		0.000588235
14			1.60	1.26	6.24	2.65	9.53	4.26	6.14		
15			2.15	2.30	7.25	2.65	12.78	5.43	7.56		
16			0.18	1.20	0.85	0.32	2.85	1.08	1.34		
17			1.54	1.60	6.63	3.08	13.12	5.19	7.61		
18			1.23	0.70	3.23	0.99	4.85	2.20	3.02		
19			0.42	1.20	2.29	0.75	3.03	1.54	2.03		
20			0.10	0.96	0.30	0.05	0.48	0.38	0.28		
21			0.11	0.50	0.81	0.38	1.73	0.71	0.98		
22			0.10	1.30	1.70	0.06	0.45	0.72	0.74		
23											
24											
25											
26	7	Ave	1.89	1.23	3.37	1.39	6.42	2.82	3.66		
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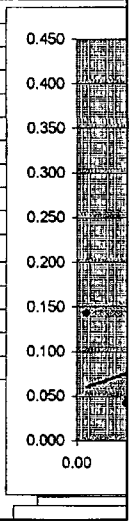

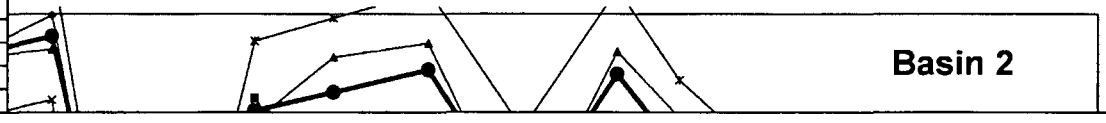

SCHN00377107

	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1											
2											
3											
4	Cadmium	Chromium	Mercury	Nickel	Average						
5											
6	0.2	0.001176471	0.01	0.000714286	0.042		16.0				
7	1.3	0.009647059	0.2	0.011428571	0.304		16.5				
8	0.2	0.001058824	0.01	0.000714286	0.043		13.8				
9	0.35	0.021176471	0.14	0.007142857	0.104		48.1				
10	1.2	0.016470588	0.29	0.018571429	0.311		25.2				
11	1.5	0.024588235	0.4	0.020142857	0.389		24.0				
12	0.1	0.000294118	0.025	0.001428571	0.143		0.2				
13	0.8	0.004823529	0.22	0.006857143	0.206		19.5				
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35	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00		
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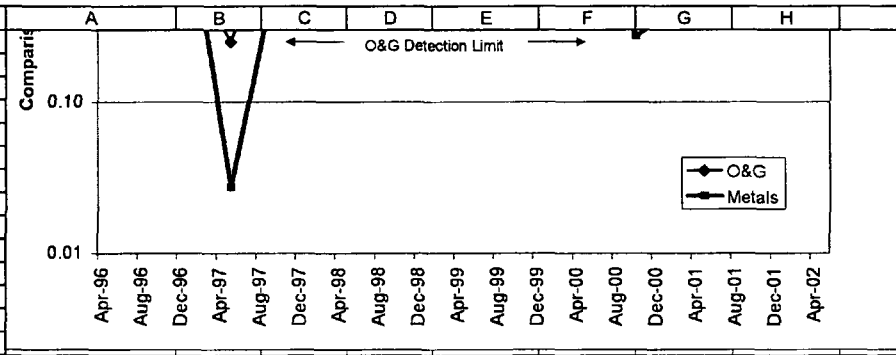

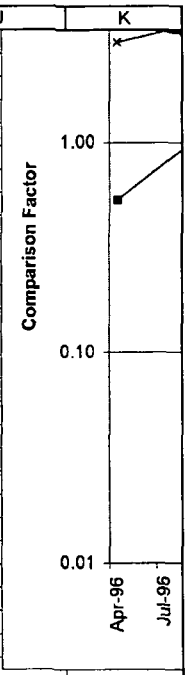

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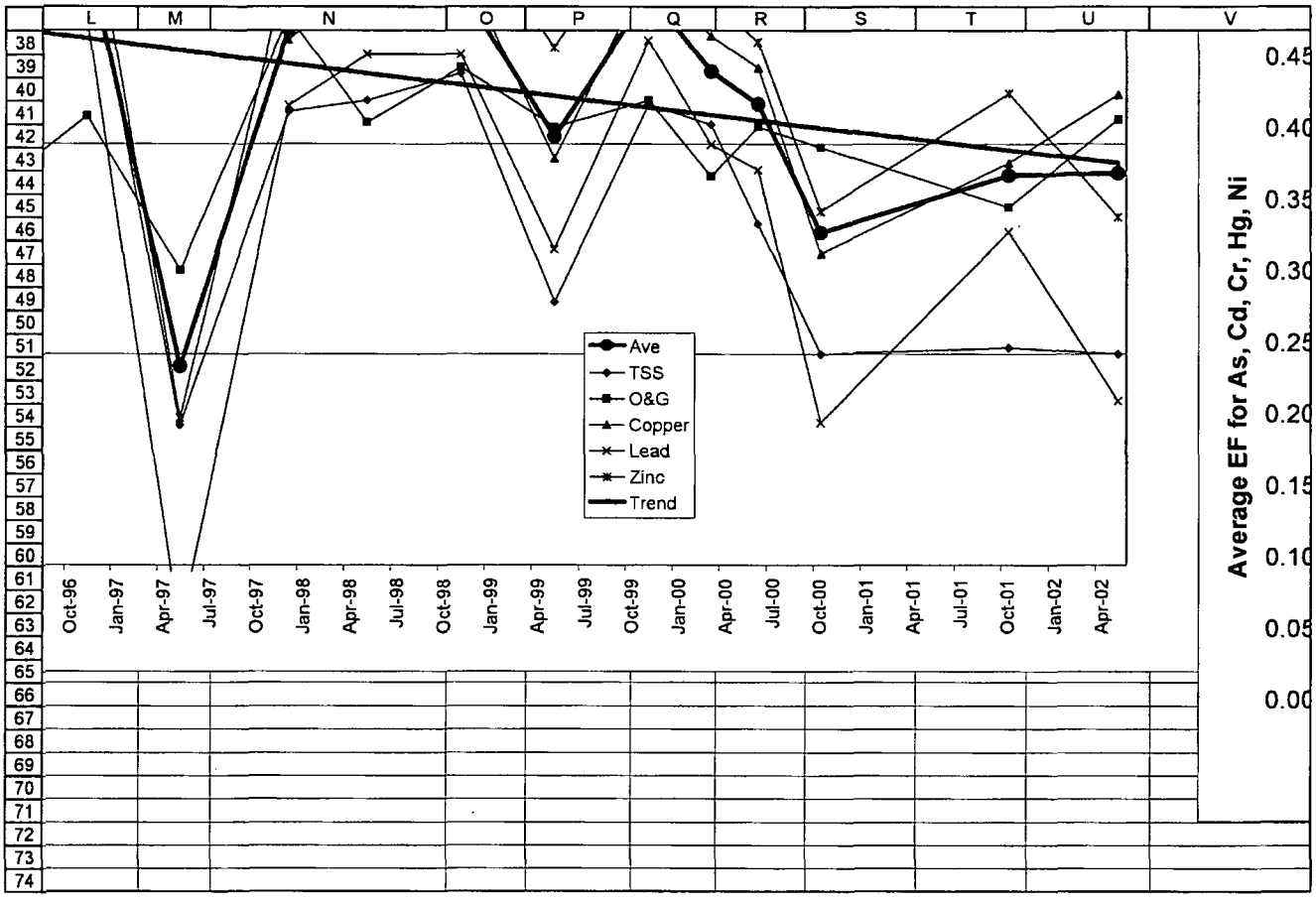

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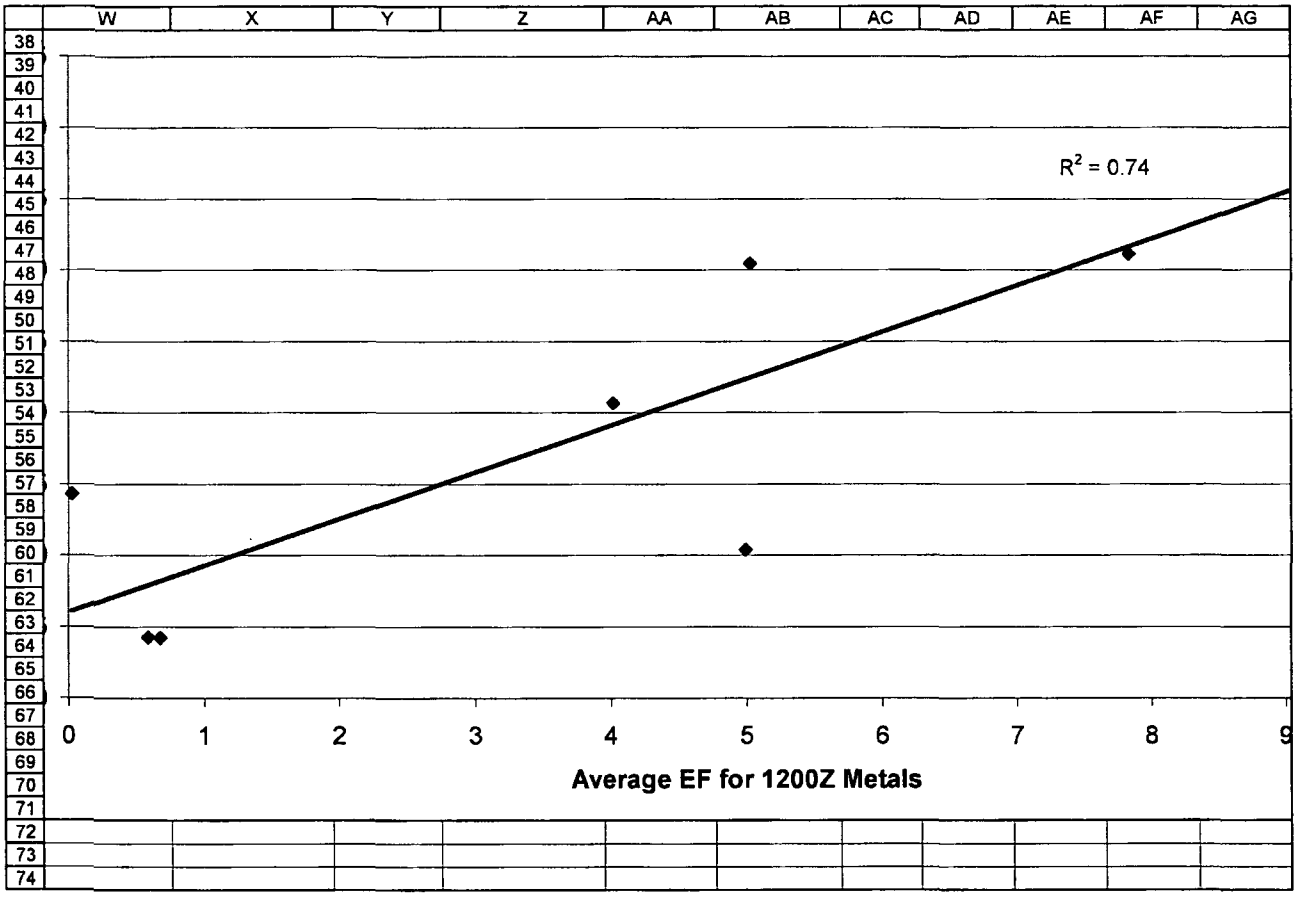

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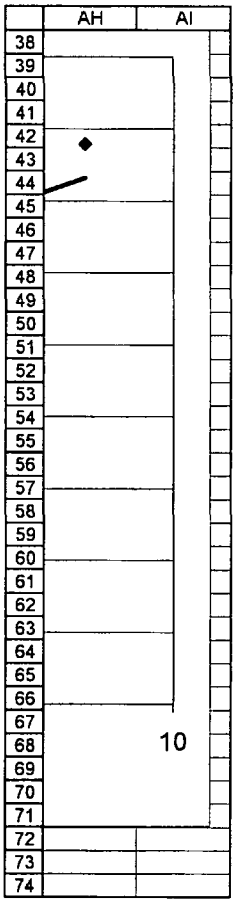

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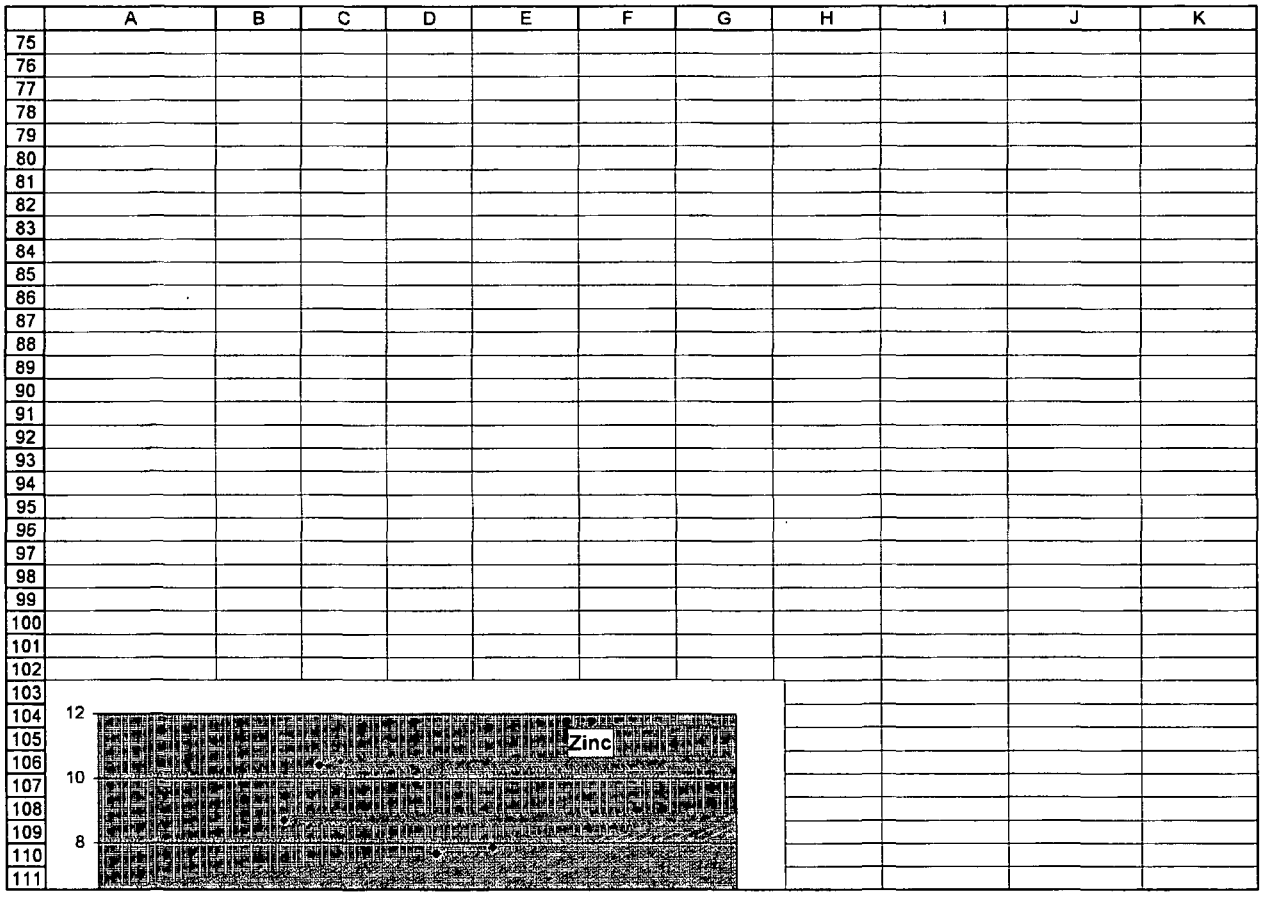

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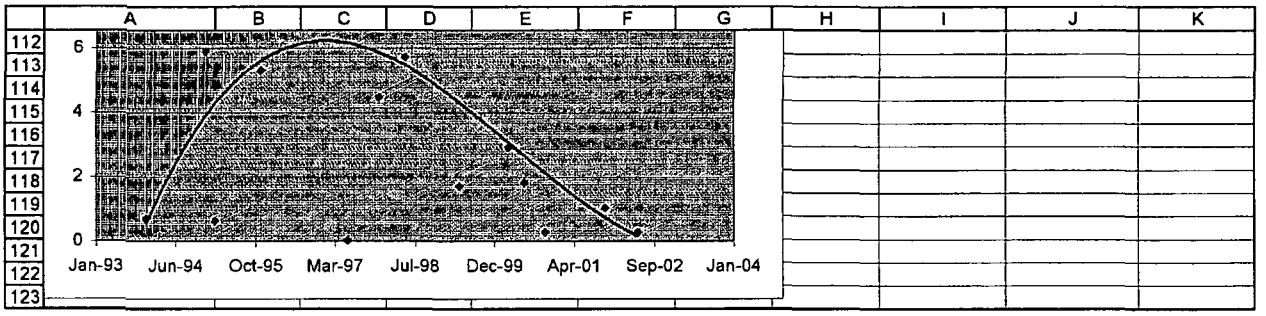
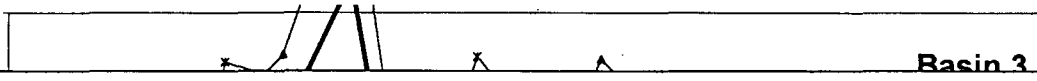


SCHN00377118

	A	B	C	D	E	F	G	H	I	J	K
1	**New Basin 3**										
2											
3	**Concentration**										
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	12/14/1993	8.03	160	2.5	0.025	0.42	2.3	0.005	0.01	0.053	0.0001
7	12/14/1994	7.52	8	6	0.04	0.025	0.16	0.005	0.001	0.004	0.0001
8	2/17/1995	8.15	340	19	0.55	1.1	6.7	0.013	0.031	0.15	0.0029
9	11/27/1995	7.5	27	1.5	0.06	0.05	0.24	0.005	0.001	0.01	0.0001
10	4/12/1996	8.4	250	3.5	0.14	0.26	1.9	0.002	0.0025	0.026	0.0001
11	11/18/1996	7.91	304	8.2	0.17	0.318	1.45	0.0025	0.004	0.058	0.0008
12	5/28/1997	7.77	13	2.5		0.015	0.08	0.0025	0.002	0.0025	0.00025
13	12/9/1997	7.63	96	12	0.267	0.424	3.21	0.0025	0.011	0.023	0.0012
14	5/20/1998	7.96	94	5.1	0.586	0.394	2.51				
15	11/23/1998	6.87	200	9	7.08	0.344	0.806				
16	5/3/1999	7.09	2.5	2.5	0.051	0.027	0.262				
17	11/11/1999	7.42	88	9	0.383	0.56	3.42				
18	3/4/2000	7.58	77	2.5	0.216	0.24	1.8				
19	6/11/2000	7.65	15	8.2	0.144	0.109	0.485				
20	10/20/2000	8.2	82	10	0.554	0.441	2.3				
21	10/30/2001	7.19	10	5	0.099	0.07	0.252				
22	5/22/2002	7.38	11	2.5	0.019	0.001	0.076				
23	2/16/2003	7.42	106	17	0.18	0.206	1.56				
24	6/20/2003	7.67	4	1	0.0005	0.0005	0.026				
25	12/5/2003	8.12	22	2.5	0.099	0.048	0.669				
26	5/8/2004	7.67	8	3.2	0.026	0.064	0.24				
27	12/13/2004	7.21	130	9.6	0.23	0.398	2.3				
28	3/26/2005	6.81	12	1	0.066	0.119	0.61				
29	4/1/2005	7.3	216	5.1	0.343	0.791	4.1				0.00189
30	5/10/2005	7.92	120	3.6	0.11	0.36	1.7				0.000068
31											
32	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01
33											
34											
35	10.00										
36											
37											



SCHN00377119

	L	M	N	O	P	Q	R	S	T	U	V
1											
2											
3				**Exceeedance Factors**						Metals	
4	Nickel	COD		TSS	TPH	Copper	Lead	Zinc	Average	Average	
5											
6	0.05			1.23	0.25	0.25	1.05	3.83	1.32	1.71	
7	0.05			0.06	0.60	0.40	0.06	0.27	0.28	0.24	
8	0.11			2.62	1.90	5.50	2.75	11.17	4.79	6.47	
9	0.05			0.21	0.15	0.60	0.13	0.40	0.30	0.38	
10	0.027			1.92	0.35	1.40	0.65	3.17	1.50	1.74	
11	0.3			2.34	0.82	1.70	0.80	2.42	1.61	1.64	
12	0.01			0.10	0.25		0.04	0.13	0.13	0.09	
13	0.034			0.74	1.20	2.67	1.06	5.35	2.20	3.03	
14				0.72	0.51	5.86	0.99	4.18	2.45	3.68	
15				1.54	0.90	70.80	0.86	1.34	15.09	24.33	
16				0.02	0.25	0.51	0.07	0.44	0.26	0.34	
17				0.68	0.90	3.83	1.40	5.70	2.50	3.64	
18				0.59	0.25	2.16	0.60	3.00	1.32	1.92	
19				0.12	0.82	1.44	0.27	0.81	0.69	0.84	
20				0.63	1.00	5.54	1.10	3.83	2.42	3.49	
21				0.08	0.50	0.99	0.18	0.42	0.43	0.53	
22				0.08	0.25	0.19	0.003	0.13	0.13	0.11	
23				0.82	1.70	1.80	0.52	2.60	1.49	1.64	
24				0.03	0.10	0.01	0.001	0.04	0.04	0.02	
25				0.17	0.25	0.99	0.120	1.12	0.53	0.74	
26				0.06	0.32	0.26	0.160	0.40	0.24	0.27	
27				1.00	0.96	2.30	0.995	3.83	1.82	2.38	
28				0.09	0.10	0.66	0.298	1.02	0.43	0.66	
29		820		1.66	0.51	3.43	1.978	6.83	2.88	4.08	
30		6		0.92	0.36	1.10	0.900	2.83	1.22	1.61	
31											
32	7		Ave	0.74	0.61	4.77	0.68	2.61	1.84	2.62	
33											
34											
35		10.00									
36											
37										**Basin 3**	

SCHN00377120

	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1										
2										
3										
4	Arsenic	Cadmium	Chromium	Mercury	Nickel	Average				
5										
6	0.001176471	0.5	0.006235294	0.01	0.007142857	0.105		16.3		
7	0.001176471	0.05	0.000470588	0.01	0.007142857	0.014		17.7		
8	0.003058824	1.55	0.017647059	0.29	0.015714286	0.375		17.2		
9	0.001176471	0.05	0.001176471	0.01	0.007142857	0.014		27.0		
10	0.000470588	0.125	0.003058824	0.01	0.003857143	0.028		61.1		
11	0.000588235	0.2	0.006823529	0.08	0.042857143	0.066		24.8		
12	0.000588235	0.1	0.000294118	0.025	0.001428571	0.025		3.4		
13	0.000588235	0.55	0.002705882	0.12	0.004857143	0.136		22.3		
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29				0.00189						
30				0.000068						
31										
32										
33										
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35										
36					0.400					
37										

SCHN00377121

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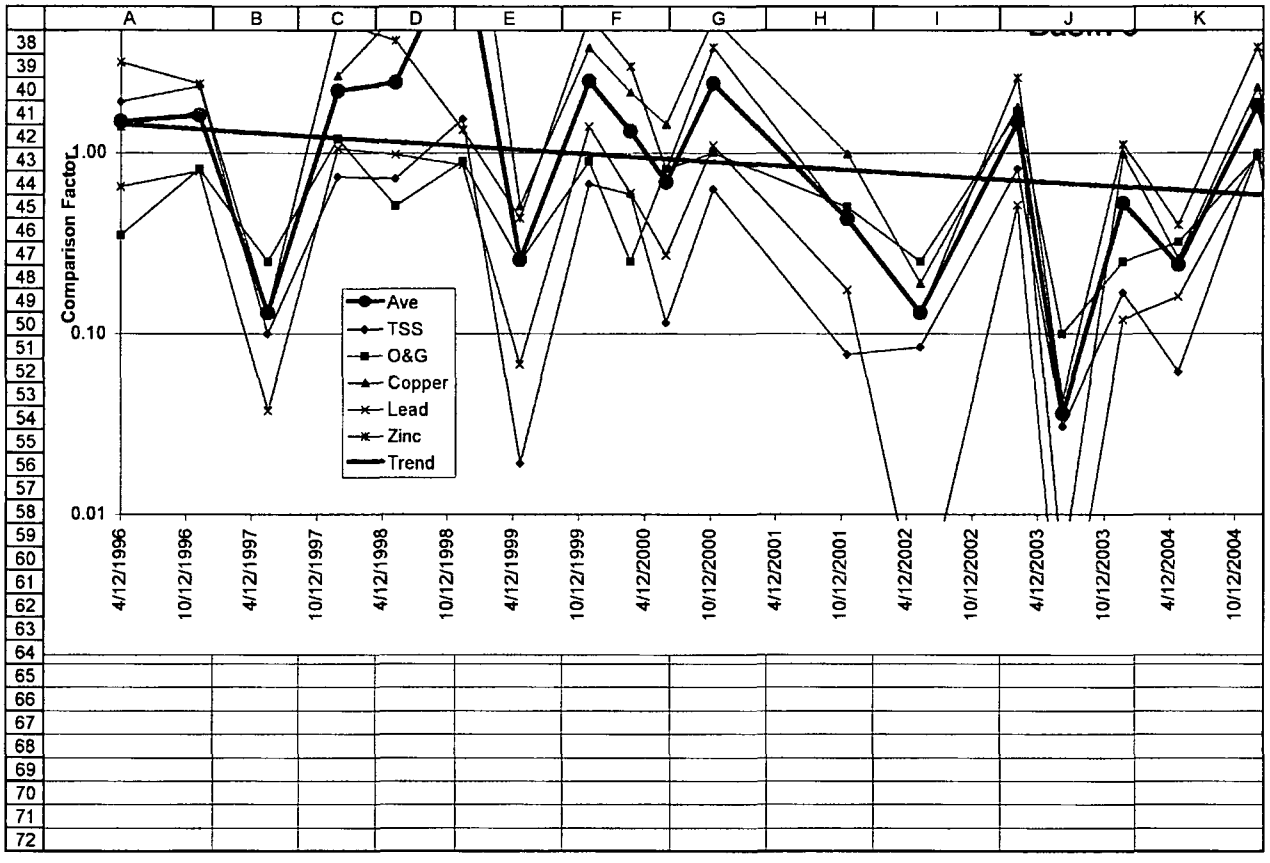

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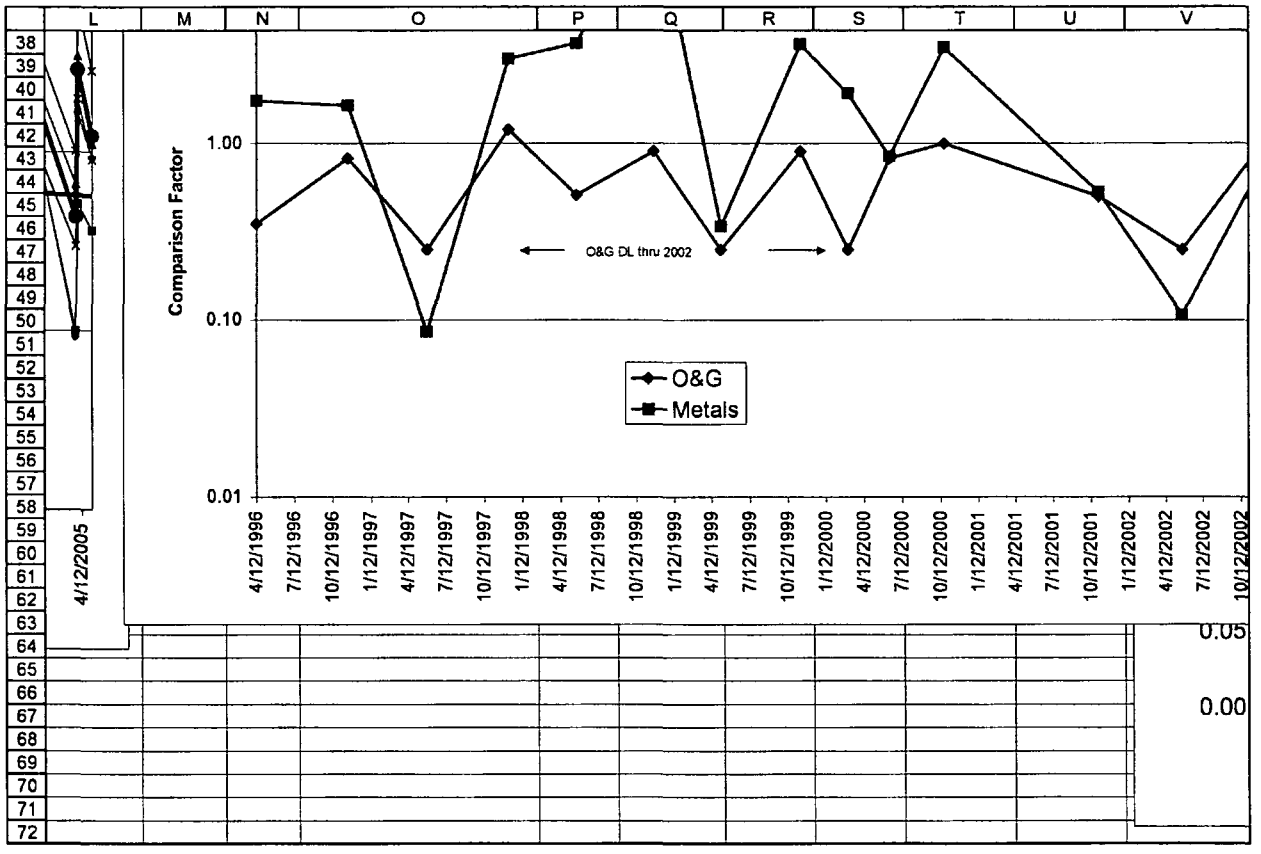

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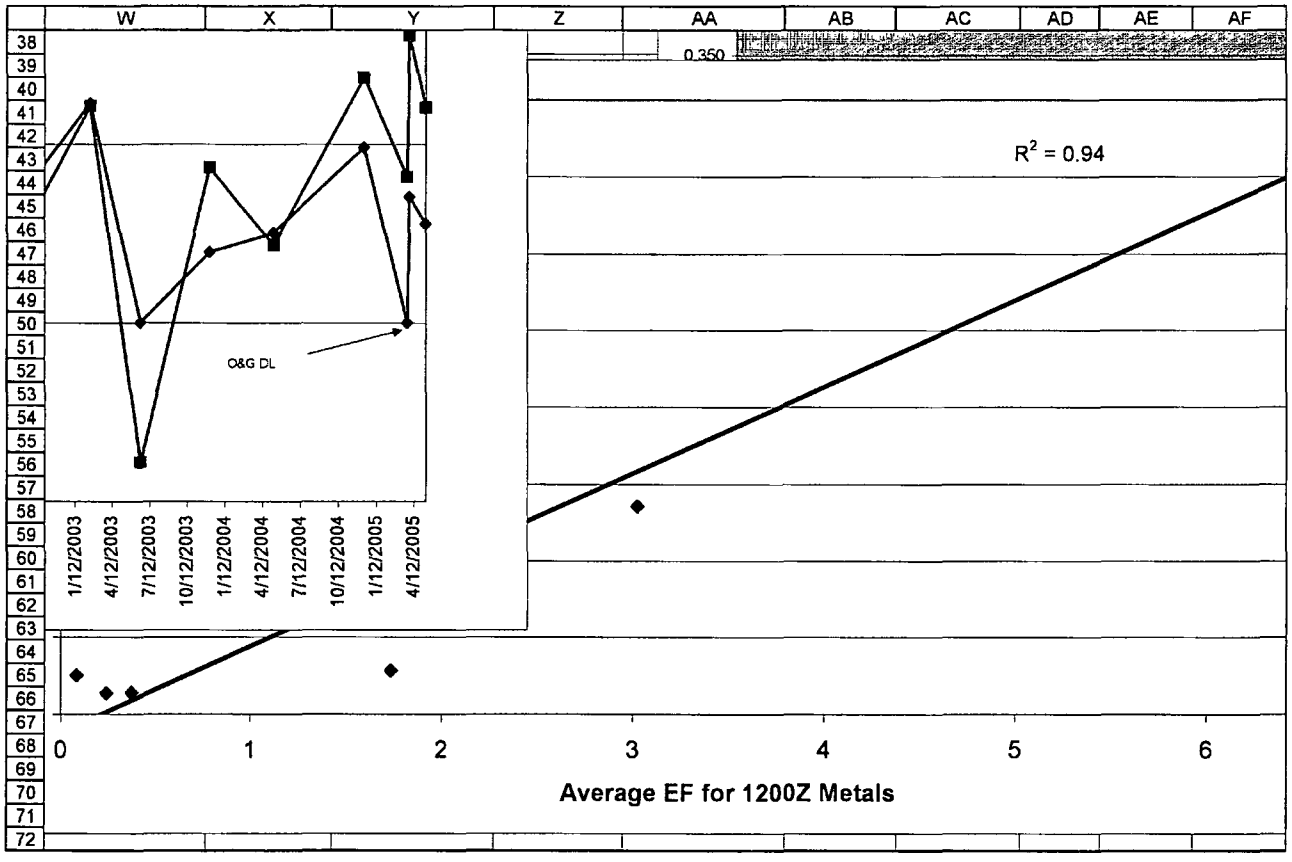

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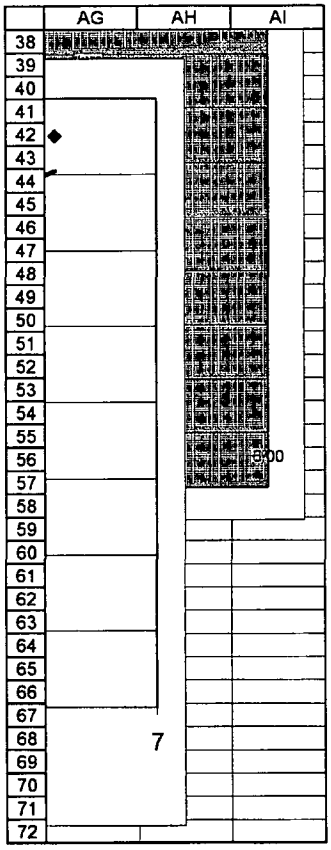

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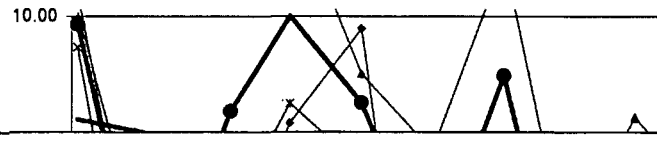
	A	B	C	D	E	F	G	H	I	J	K
1	**New Basin 4**										
2											
3	**Concentration**										
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	12/14/1993	6.85	170	6	0.005	0.06	0.16	0.007	0.002	0.014	0.0001
7	12/14/1994	7.74	30	2.5	0.13	0.033	0.13	0.005	0.001	0.08	0.0001
8	2/17/1995	7.84	250	12	0.08	0.18	0.43	0.005	0.002	0.043	0.0001
9	11/27/1995	7	64	1.5	0.02	0.05	0.18	0.005	0.001	0.02	0.0001
10	4/12/1996	8.1	1200	1.9	0.19	0.32	1.8	0.006	0.025	0.19	0.0007
11	11/18/1996	8.39	1350	18	1.32	2.76	7.87	0.014	0.03	0.3	0.0011
12	5/28/1997	7.71	58	2.5		0.025	0.1	0.0025	0.002	0.0025	0.00025
13	12/9/1997	9.41	65	2.5	1.39	0.146	0.56	0.0025	0.002	0.024	0.00025
14	5/20/1998	7.74	360	5.7	4.23	0.456	2.1				
15	11/23/1998	9.75	1120	18	0.499	0.26	0.973				
16	5/3/1999	7.06	2.5	2.5	0.197	0.003	0.064				
17	11/11/1999	8.46	287	9	2	0.138	0.634				
18	3/4/2000	10.35	36	2.5	0.138	0.039	0.218				
19	6/11/2000	7.75	11	2.5	0.101	0.008	0.039				
20	10/20/2000	7.11	30	2.5	0.296	0.02	0.088				
21	10/30/2001	7.94	2.5	2.5	0.045	0.014	0.04				
22	2/16/2003	8.23	2.5	2.5	0.24	0.0068	0.04				
23	6/20/2003	7.85	48	7	0.0005	0.0005	0.041				
24	12/5/2003	7.45	2.5	2.5	0.023	0.0033	0.07				
25	5/8/2004	7.85	4	2.3	0.039	0.005	0.035				
26	12/13/2004	6.76	48	3.1	0.12	0.21	0.49				
27	3/26/2005	7.13	21	1	0.055	0.084	0.9				
28											
29	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01
30											



Basin 4

SCHN00377127

	L	M	N	O	P	Q	R	S	T	U	V
1											
2											
3			**Exceeedance Factors**						Metals		
4	Nickel		TSS	TPH	Copper	Lead	Zinc	Average	Average		Arsenic
5											
6	0.005		1.31	0.60	0.05	0.15	0.27	0.47	0.16		0.001647059
7	0.005		0.23	0.25	1.30	0.08	0.22	0.42	0.53		0.001176471
8	0.02		1.92	1.20	0.80	0.45	0.72	1.02	0.66		0.001176471
9	0.05		0.49	0.15	0.20	0.13	0.30	0.25	0.21		0.001176471
10	0.044		9.23	0.19	1.90	0.80	3.00	3.02	1.90		0.001411765
11	0.227		10.38	1.80	13.20	6.90	13.12	9.08	11.07		0.003294118
12	0.01		0.45	0.25		0.06	0.17	0.23	0.11		0.000588235
13	0.01		0.50	0.25	13.90	0.37	0.93	3.19	5.07		0.000588235
14			2.77	0.57	42.30	1.14	3.50	10.06	15.65		
15			8.62	1.80	4.99	0.65	1.62	3.54	2.42		
16			0.02	0.25	1.97	0.01	0.11	0.47	0.69		
17			2.21	0.90	20.00	0.35	1.06	4.90	7.13		
18			0.28	0.25	1.38	0.10	0.36	0.47	0.61		
19			0.08	0.25	1.01	0.02	0.07	0.29	0.37		
20			0.23	0.25	2.96	0.05	0.15	0.73	1.05		
21			0.02	0.25	0.45	0.04	0.07	0.16	0.18		
22			0.02	0.25	2.40	0.02	0.07	0.55	0.83		
23			0.37	0.70	0.01	0.00	0.07	0.23	0.02		
24			0.02	0.25	0.23	0.01	0.12	0.12	0.12		
25			0.03	0.23	0.39	0.01	0.06	0.14	0.15		
26			0.37	0.31	1.20	0.53	0.82	0.64	0.85		
27			0.16	0.10	0.55	0.21	1.50	0.50	0.75		
28											
29	7	Ave	1.96	0.53	5.76	0.57	1.30	1.97	2.45		
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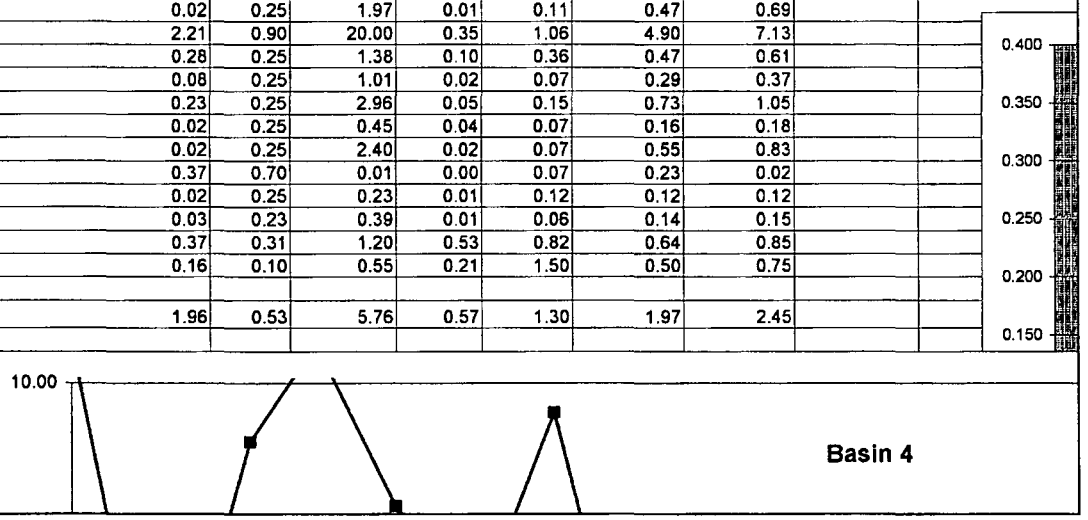

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	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1											
2											
3											
4	Cadmium	Chromium	Mercury	Nickel	Average						
5											
6	0.1	0.001647059	0.01	0.000714286	0.023		6.8				
7	0.05	0.009411765	0.01	0.000714286	0.014		37.4				
8	0.1	0.005058824	0.01	0.002857143	0.024		27.5				
9	0.05	0.002352941	0.01	0.007142857	0.014		14.7				
10	1.25	0.022352941	0.07	0.006285714	0.270		7.0				
11	1.5	0.035294118	0.11	0.032428571	0.336		32.9				
12	0.1	0.000294118	0.025	0.001428571	0.025		4.5				
13	0.1	0.002823529	0.025	0.001428571	0.026		195.1				
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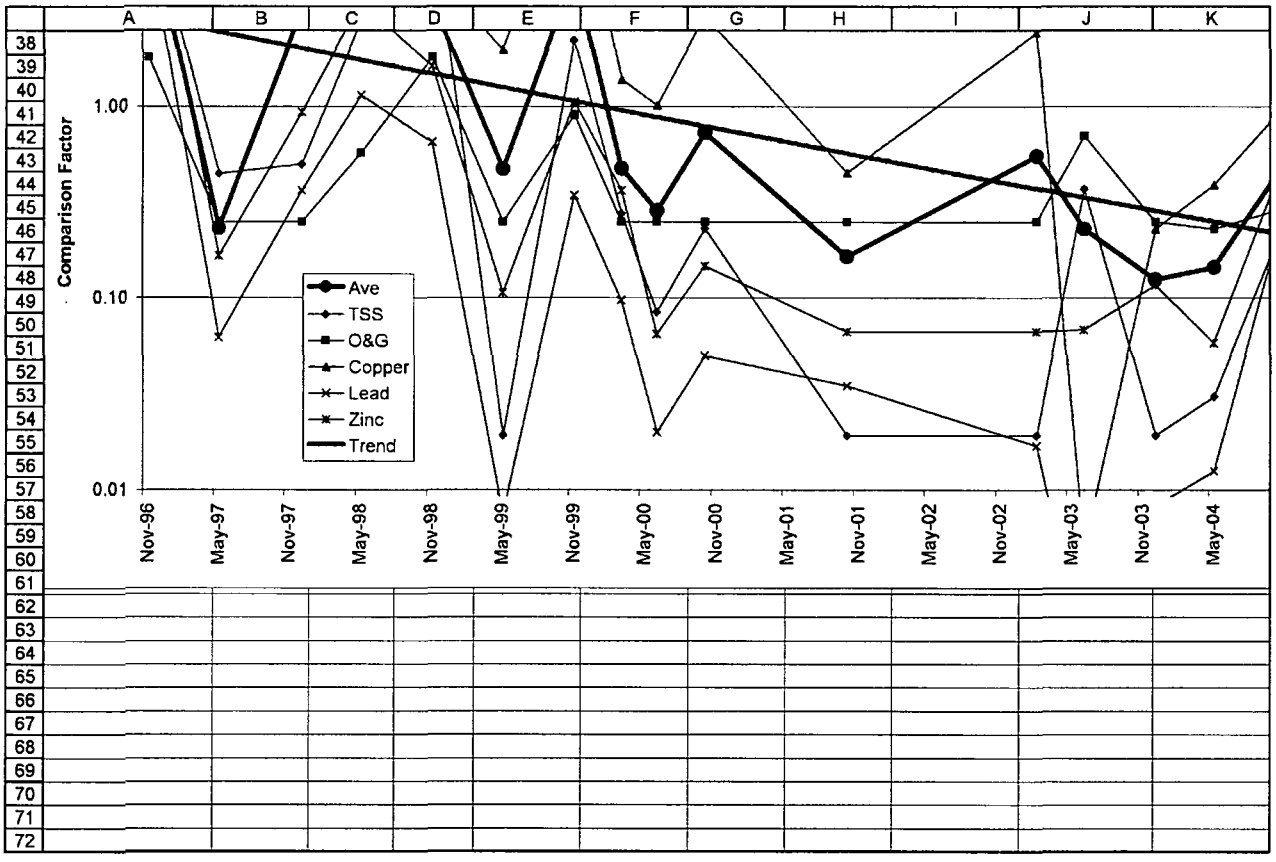

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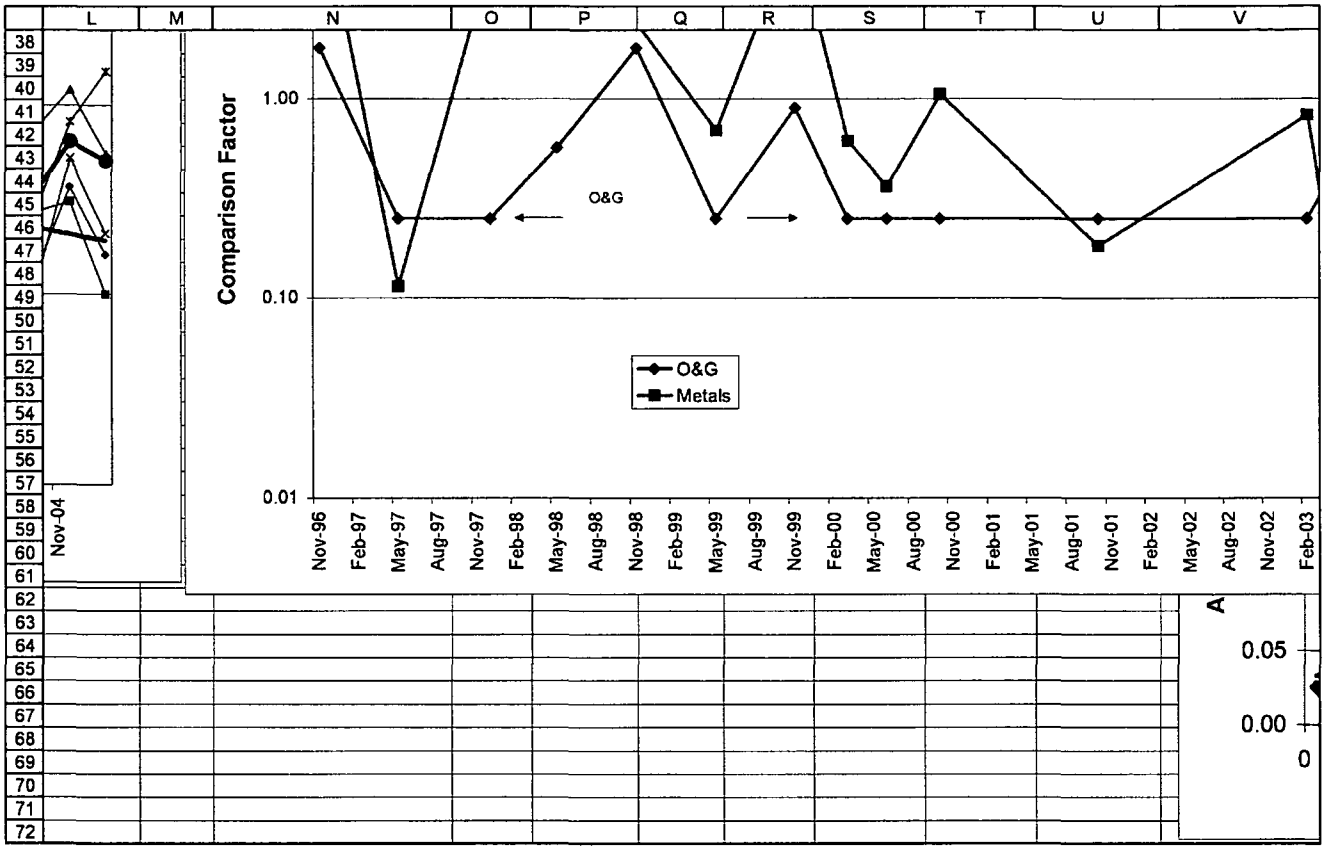

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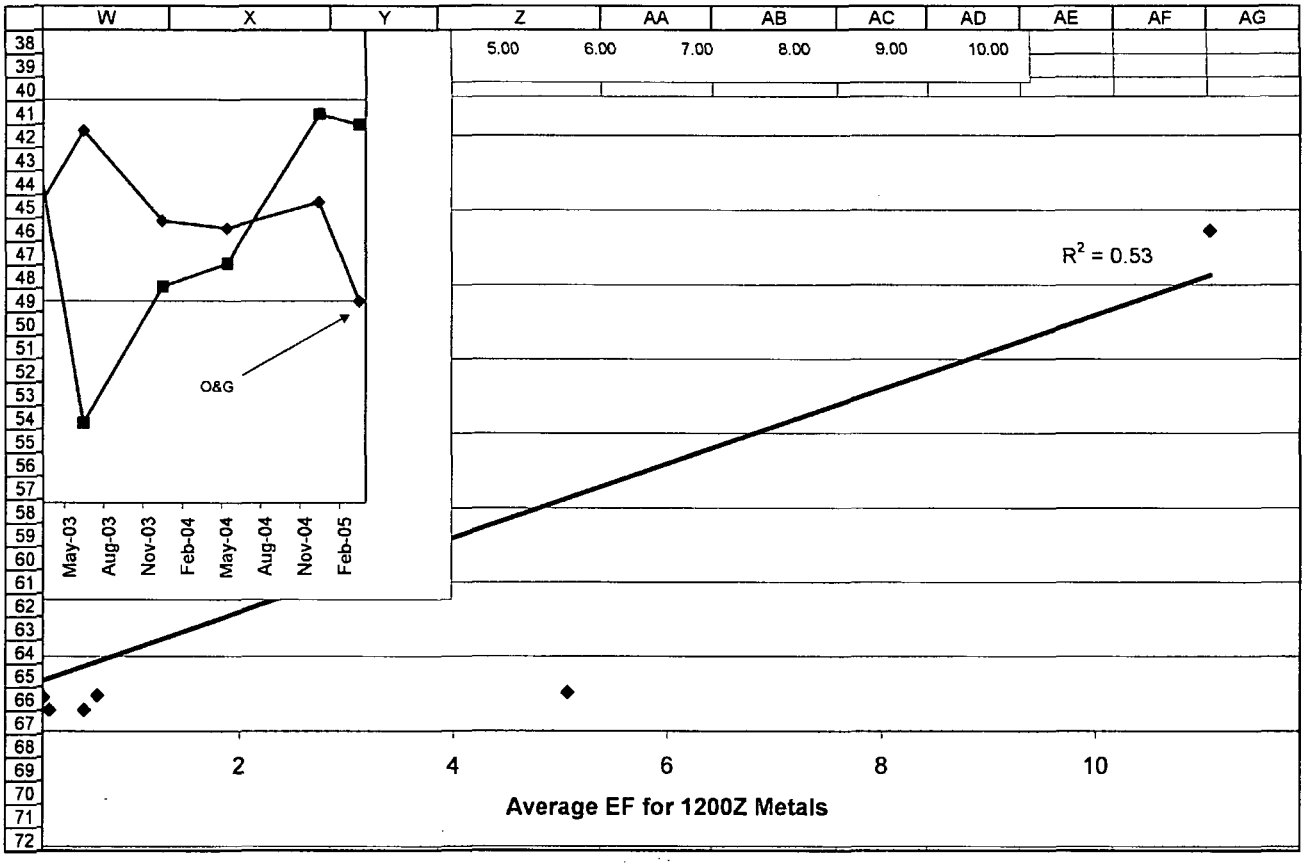

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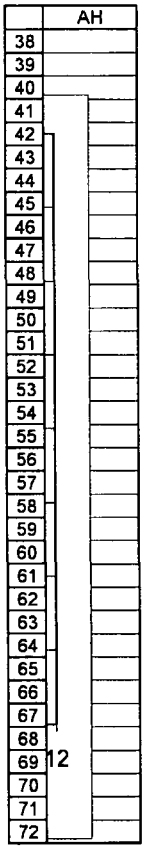

SCHN00377134

	A	B	C	D	E	F	G	H	I	J
1	**New Basin 5**									
2										
3	**Concentration**									
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium
5										
6	12/14/1993	7.745	120	12	0.07	0.1	0.3	0.0025	0.0025	0.0175
7	12/14/1994	8.17	167	8	0.075	0.1655	0.4	0.005	0.0035	0.0305
8	2/17/1995	8.705	84	9.25	0.0825	0.1675	0.615	0.005	0.0025	0.0305
9	11/27/1995	7.9	157	3.75	0.0625	0.12	0.295	0.005	0.001	0.0275
10	4/12/1996	8.55	395	3	0.115	0.23	0.515	0.005	0.0025	0.031
11	11/18/1996	8.45	614	10.1	0.1555	0.373	0.995	0.00425	0.002	0.064
12	5/28/1997	9.33	52	2.5		0.036	0.11	0.006	0.002	0.022
13	12/9/1997	9.235	87	14.25	1.1875	0.7525	2.105	0.0025	0.01	0.1045
14	5/20/1998	7.79	271	3.6	0.616	0.361	1.085			
15	11/23/1998	8.665	320	8.5	3.015	0.27	0.6235			
16	5/3/1999	7.045	2.5	2.5	0.0475	0.006	0.043			
17	11/11/1999	8.17	192.5	12.5	0.676	0.1615	0.922			
18	3/4/2000	8.855	69	4.25	0.1465	0.12	0.7055			
19	6/11/2000	7.79	12	2.5	0.0245	0.018	0.101			
20	10/20/2000	8.345	543	2.5	1.42	0.3025	1.099			
21	10/30/2001	7.76	10	2.5	0.027	0.028	0.082			
22	5/22/2002	7.91	2.5	2.5	0.013	0.001	0.015			
23	2/16/2003	8.44	8	2.5	0.04	0.0256	0.053			
24	12/5/2003	8.04	12	5.3	0.032	0.0229	0.098			
25	5/8/2004	7.88	8	2.6	0.024	0.036	0.086			
26	12/13/2004	7.05	100	4.4	0.17	0.401	0.92			
27	3/26/2005	7.01	60	1	0.093	0.217	0.59			
28	4/1/2005	7.2	132	5.1	0.183	0.42	1.47			
29	5/10/2005	7.55	120	1	0.15	0.199	0.6			
30										
31		Benchmark	130	10	0.1	0.4	0.6	4.25	0.02	8.5
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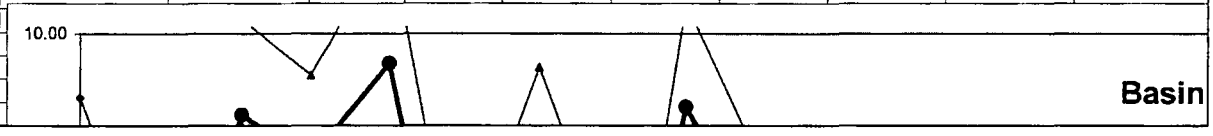

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	K	L	M	N	O	P	Q	R	S	T	U
1											
2											
3					**Exceeedance Factors**						Metals
4	Mercury	Nickel	COD		TSS	TPH	Copper	Lead	Zinc	Average	Average
5											
6	0.0001	0.005			0.92	1.20	0.70	0.25	0.50	0.71	0.48
7	0.0001	0.05			1.28	0.80	0.75	0.41	0.67	0.78	0.61
8	0.00085	0.035			0.65	0.93	0.83	0.42	1.03	0.77	0.76
9	0.00035	0.05			1.21	0.38	0.63	0.30	0.49	0.60	0.47
10	0.00065	0.033			3.04	0.30	1.15	0.58	0.86	1.18	0.86
11	0.0012	0.325			4.72	1.01	1.56	0.93	1.66	1.98	1.38
12	0.00025	0.01			0.40	0.25		0.09	0.18	0.23	0.14
13	0.002525	0.0615			0.67	1.43	11.88	1.88	3.51	3.87	5.75
14					2.08	0.36	6.16	0.90	1.81	2.26	2.96
15					2.46	0.85	30.15	0.68	1.04	7.04	10.62
16					0.02	0.25	0.48	0.02	0.07	0.17	0.19
17					1.48	1.25	6.76	0.40	1.54	2.29	2.90
18					0.53	0.43	1.47	0.30	1.18	0.78	0.98
19					0.09	0.25	0.25	0.05	0.17	0.16	0.15
20					4.18	0.25	14.20	0.76	1.83	4.24	5.60
21					0.08	0.25	0.27	0.07	0.14	0.16	0.16
22					0.02	0.25	0.13	0.00	0.03	0.09	0.05
23					0.06	0.25	0.40	0.06	0.09	0.17	0.18
24					0.09	0.53	0.32	0.06	0.16	0.23	0.18
25					0.06	0.26	0.24	0.09	0.14	0.16	0.16
26					0.77	0.44	1.70	1.00	1.53	1.09	1.41
27					0.46	0.10	0.93	0.54	0.98	0.60	0.82
28	0.000831		88		1.02	0.51	1.83	1.05	2.45	1.37	1.78
29	0.000057		19		0.92	0.10	1.50	0.50	1.00	0.80	1.00
30											
31	0.01	7		Ave	1.13	0.53	3.66	0.47	0.96	1.32	1.65
32											
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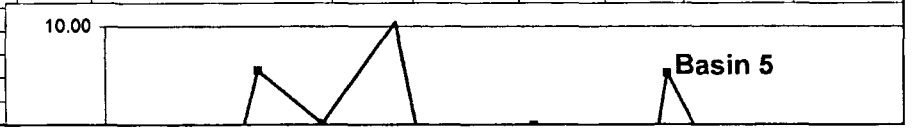

	V	W	X	Y	Z	AA	AB	AC	AD	AE
1										
2										
3										
4		Arsenic	Cadmium	Chromium	Mercury	Nickel	Average			
5										
6		0.000588235	0.125	0.002058824	0.01	0.000714286	0.028		17.5	
7		0.001176471	0.175	0.003588235	0.01	0.007142857	0.039		15.5	
8		0.001176471	0.125	0.003588235	0.085	0.005	0.044		17.2	
9		0.001176471	0.05	0.003235294	0.035	0.007142857	0.019		24.5	
10		0.001176471	0.125	0.003647059	0.065	0.004714286	0.040		21.6	
11		0.001	0.1	0.007529412		0.046428571	0.039		35.7	
12		0.001411765	0.1	0.002588235	0.025	0.001428571	0.026		5.2	
13		0.000588235	0.5	0.012294118	0.2525	0.008785714	0.155		37.2	
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25										
26										
27										
28					0.000831					
29					0.000057					
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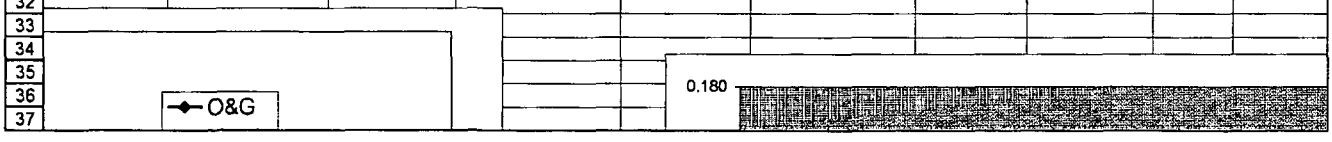

SCHN00377137

	AF	AG	AH	AI	AJ	AK
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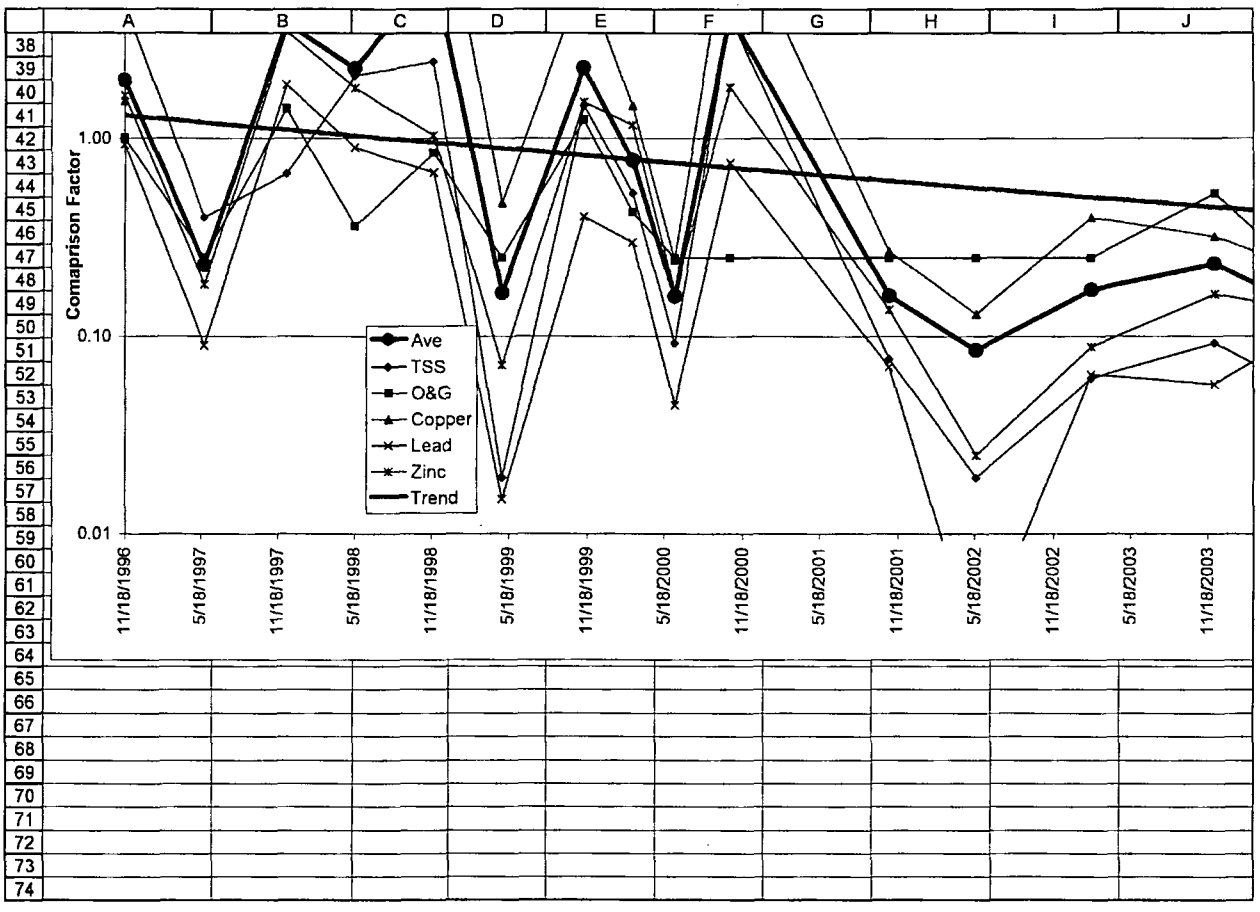

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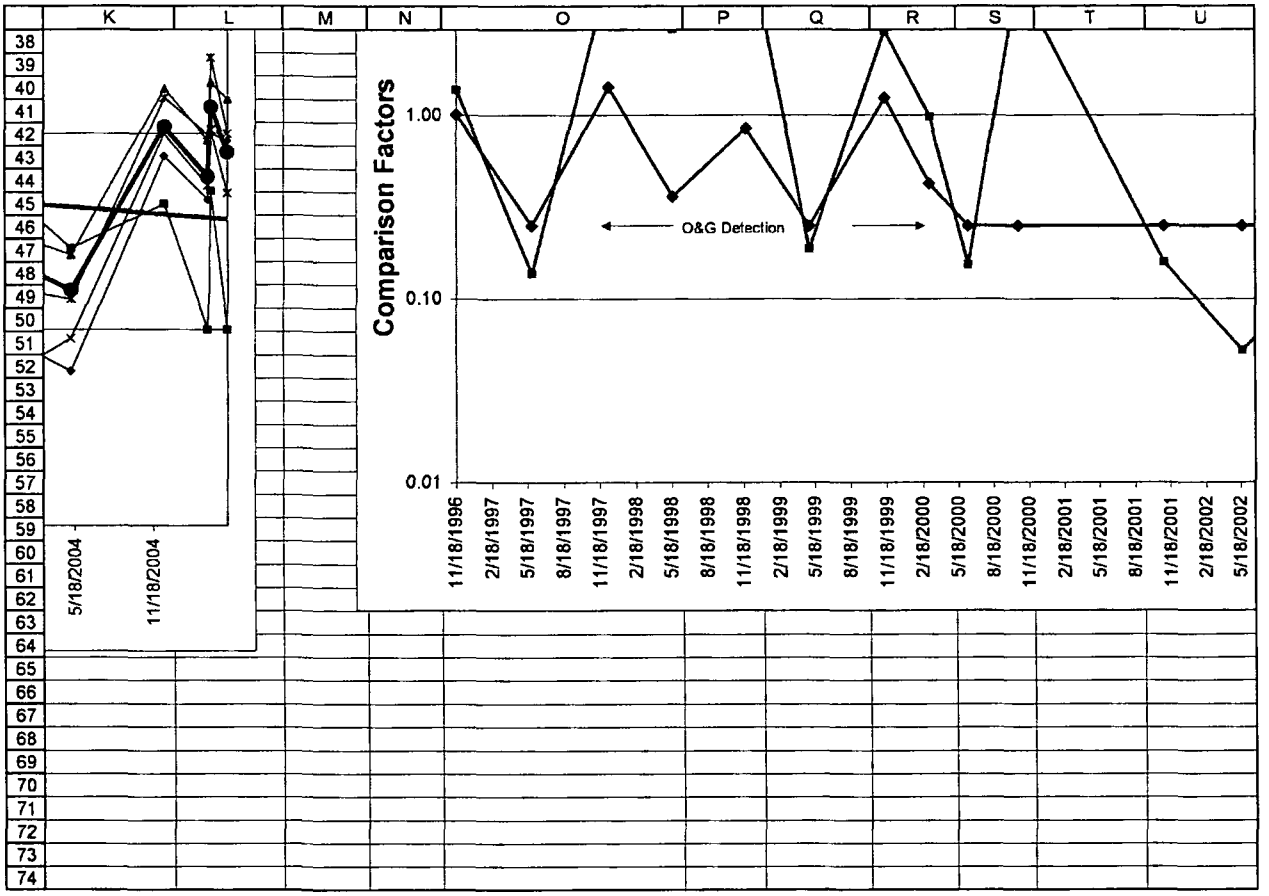

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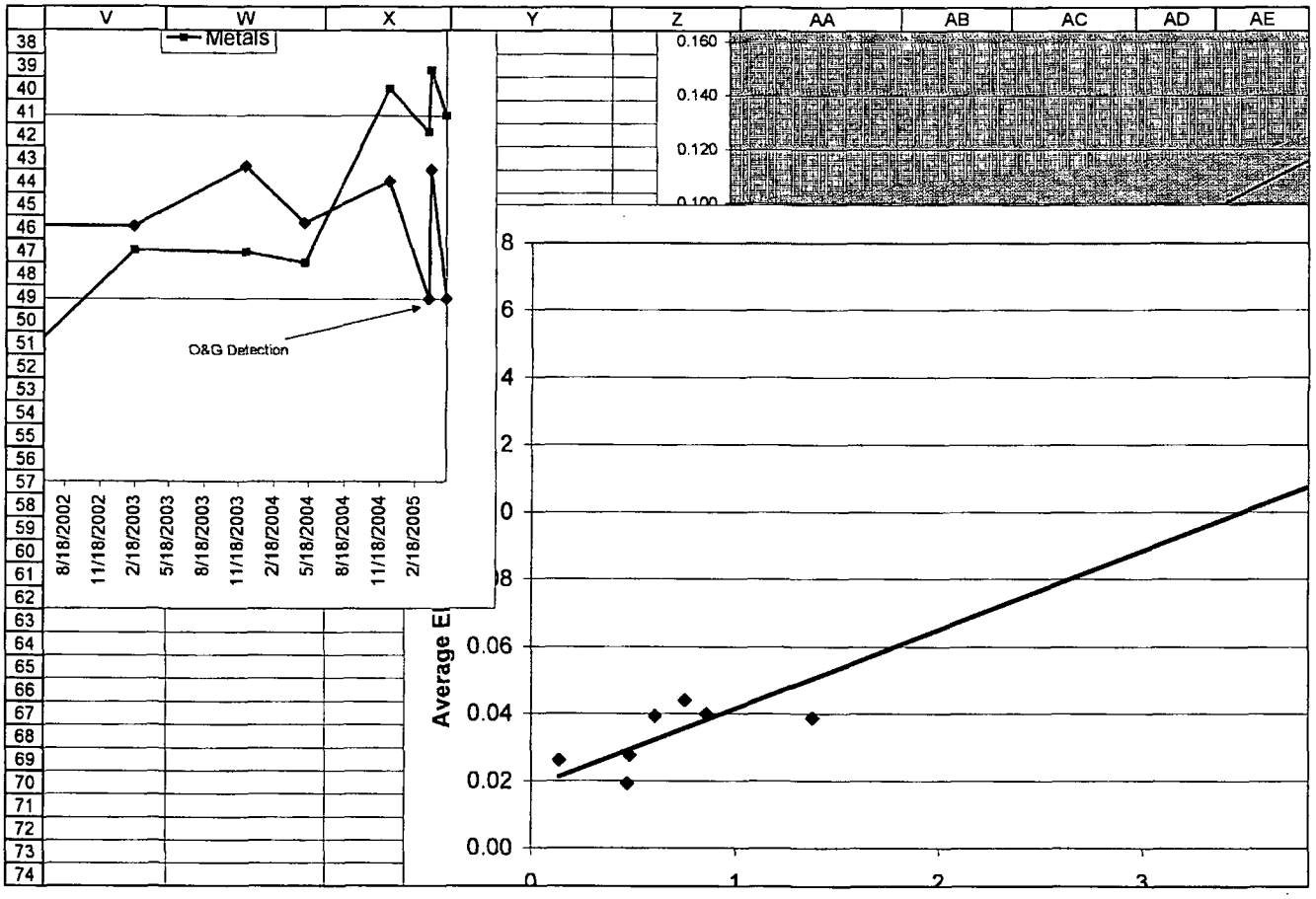

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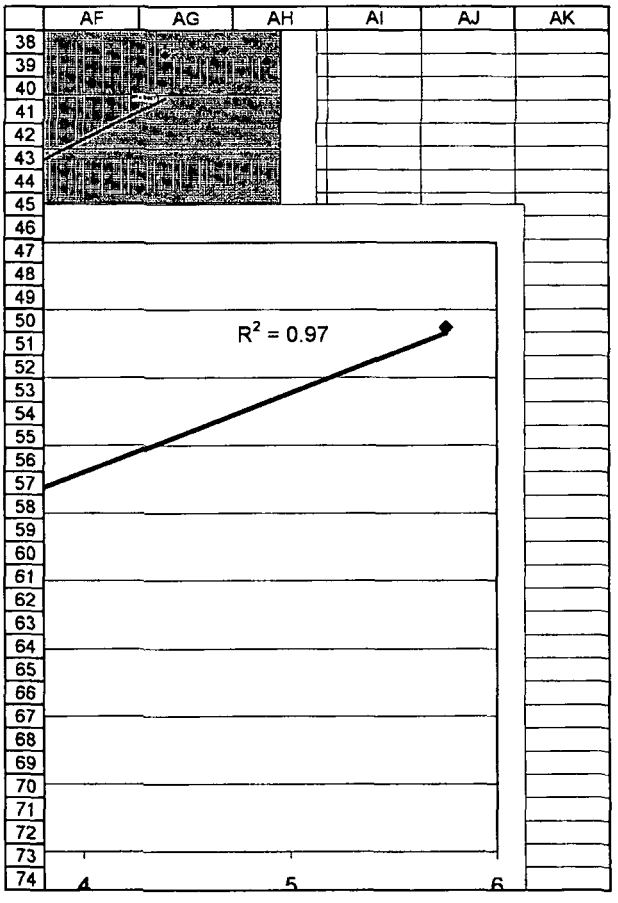

SCHN00377142

	A	B	C	D	E	F	G	H	I	J
75										
76										
77										
78										

	K	L	M	N	O	P	Q	R	S	T	U
75											
76											
77											
78											

	V	W	X	Y	Z	AA	AB	AC	AD	AE
75										
76										
77										
78										

Average EF for 1200Z Metals

	AF	AG	AH	AI	AJ	AK
75						
76						
77						
78						

SCHN00377146

	A	B	C	D	E	F	G	H	I	J	K
1	**New Basin 6**										
2											
3	**Concentration**										
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	12/14/1993	8.24	25	2.5	0.005	0.01	0.005	0.0025	0.001	0.006	0.0001
7	12/14/1994	9.71	32	2.5	0.04	0.017	0.05	0.005	0.001	0.01	0.0001
8	2/17/1995	8.77	80	7	0.02	0.064	0.09	0.005	0.001	0.01	0.0001
9	11/27/1995	9.1	250	4	0.02	0.05	0.15	0.005	0.001	0.03	0.0001
10	4/12/1996	9.2	130	3.5	0.073	0.14	0.3	0.006	0.0025	0.029	0.0003
11	12/9/1997	8.87	452	9	0.505	0.263	0.63	0.0025	0.002	0.031	0.0008
12	5/20/1998	8.16	270	4.5	0.203	0.078	0.29				
13	11/23/1998	8.15	19	6	0.132	0.088	0.237				
14	5/3/1999	7.47	8	2.5	0.012	0.003	0.011				
15	11/11/1999	9.45	35	2.5	0.005	0.006	0.017				
16	3/4/2000	8.52	49	2.5	0.029	0.036	0.085				
17	6/11/2000	8.16	2.5	2.5	0.014	0.011	0.038				
18	10/20/2000	7.75	8	2.5	0.014	0.015	0.048				
19	10/30/2001	8.1	36	2.5	0.034	0.059	0.231				
20	5/22/2002	8.42	59	2.5	0.025	0.016	0.106				
21	2/16/2003	7.34	2.5	2.5	0.005	0.002	0.005				
22	12/5/2003	7.37	27	2.5	0.012	0.0145	0.061				
23	5/8/2004	7.56	9	1	0.006	0.037	0.016				
24	12/13/2004	7.55	14	1	0.023	0.04	0.1				
25	3/26/2005	7.58	26	1	0.008	0.019	0.034				
26	4/1/2005	6.3	8	24.1	0.0104	0.022	0.0594				0.0000386
27	5/10/2005	7	1.3	1	0.0032	0.0043	0.0065				0.0000099
28											
29	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01
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31											
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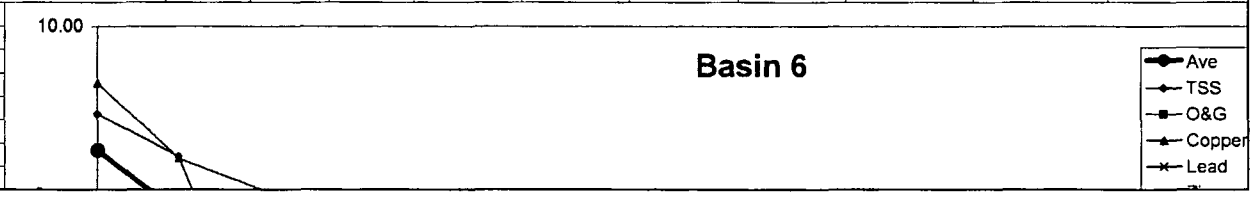
37											



SCHN00377147

	L	M	N	O	P	Q	R	S	T	U	V
1											
2											
3				**Exceeedance Factors**						Metals	
4	Nickel	COD		TSS	TPH	Copper	Lead	Zinc	Ave	Average	
5											
6	0.005			0.19	0.25	0.05	0.03	0.01	0.11	0.03	
7	0.05			0.25	0.25	0.40	0.04	0.08	0.20	0.18	
8	0.05			0.62	0.70	0.20	0.16	0.15	0.37	0.17	
9	0.05			1.92	0.40	0.20	0.13	0.25	0.58	0.19	
10	0.03			1.00	0.35	0.73	0.35	0.50	0.59	0.53	
11	0.01			3.48	0.90	5.05	0.66	1.05	2.23	2.25	
12				2.08	0.45	2.03	0.20	0.48	1.05	0.90	
13				0.15	0.60	1.32	0.22	0.40	0.54	0.65	
14				0.06	0.25	0.12	0.01	0.02	0.09	0.05	
15				0.27	0.25	0.05	0.02	0.03	0.12	0.03	
16				0.38	0.25	0.29	0.09	0.14	0.23	0.17	
17				0.02	0.25	0.14	0.03	0.06	0.10	0.08	
18				0.06	0.25	0.14	0.04	0.08	0.11	0.09	
19				0.28	0.25	0.34	0.15	0.39	0.28	0.29	
20				0.45	0.25	0.25	0.04	0.18	0.23	0.16	
21				0.02	0.25	0.05	0.01	0.01	0.07	0.02	
22				0.21	0.25	0.12	0.04	0.10	0.14	0.09	
23				0.07	0.10	0.06	0.09	0.03	0.07	0.06	
24				0.11	0.10	0.23	0.10	0.17	0.14	0.17	
25				0.20	0.10	0.08	0.05	0.06	0.10	0.06	
26		2.5		0.06	2.41	0.10	0.06	0.10	0.55	0.09	
27		2.5		0.01	0.10	0.03	0.01	0.01	0.03	0.02	
28											
29	7		Ave	0.54	0.41	0.54	0.11	0.19	0.36	0.28	
30											
31				10.00							
32											
33											
34										**Basin 6**	
35											
36											
37											

	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1										
2										
3										
4	Arsenic	Cadmium	Chromium	Mercury	Nickel	Average				
5										
6	0.000588235	0.05	0.000705882	0.01	0.000714286	0.012		2.2		
7	0.001176471	0.05	0.001176471	0.01	0.007142857	0.014		12.6		
8	0.001176471	0.05	0.001176471	0.01	0.007142857	0.014		12.2		
9	0.001176471	0.05	0.003529412	0.01	0.007142857	0.014		13.3		
10	0.001411765	0.125	0.003411765	0.03	0.004285714	0.033		16.0		
11	0.000588235	0.1	0.003647059	0.08	0.001428571	0.037		60.7		
12										
13										
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18										
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22										
23										
24				0.0000386						
25				0.0000099						
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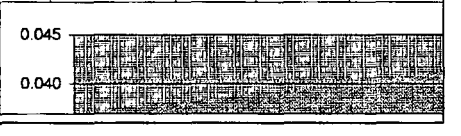

SCHN00377149

	AG	AH	AI	AJ	AK
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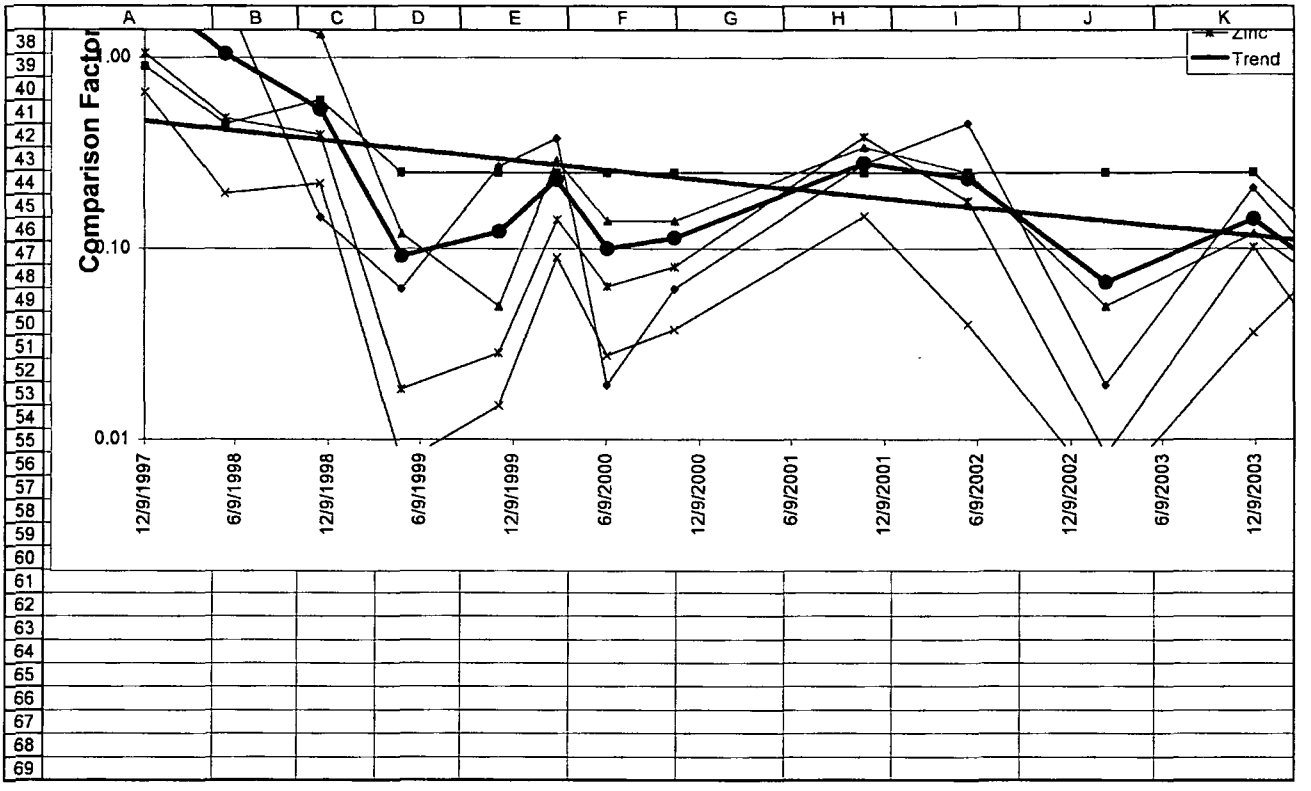

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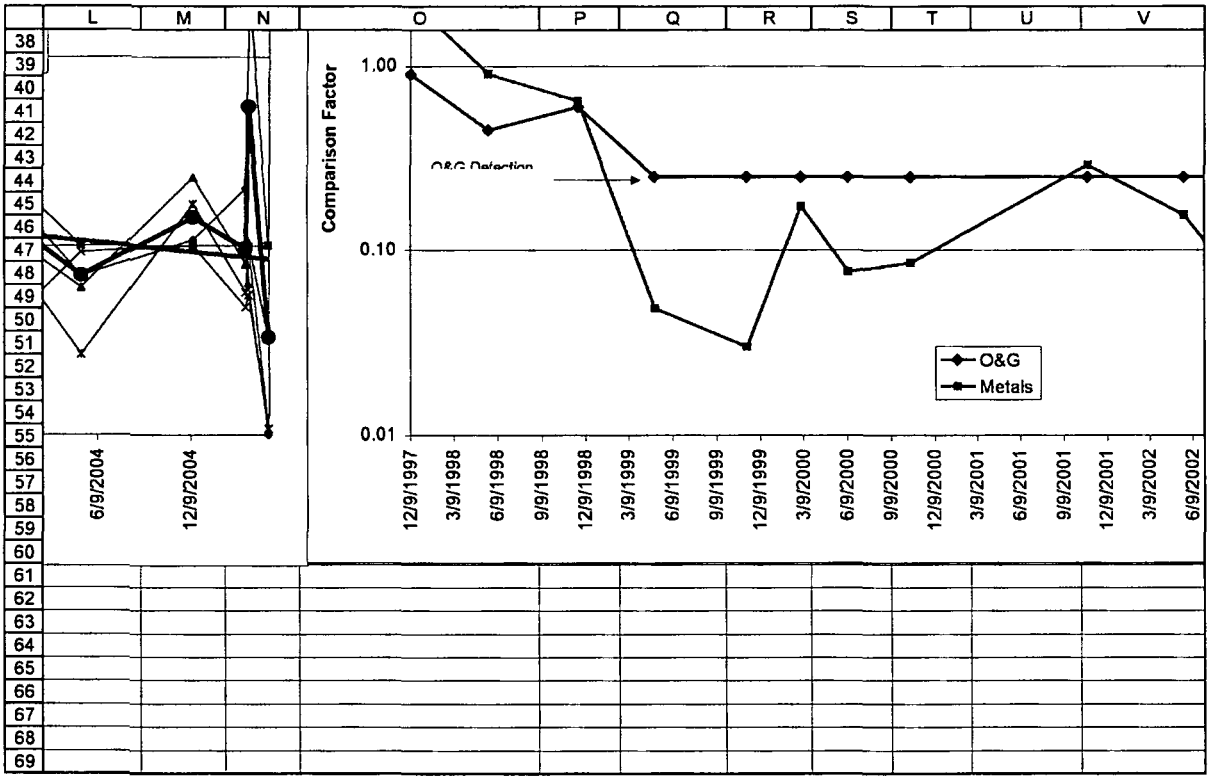

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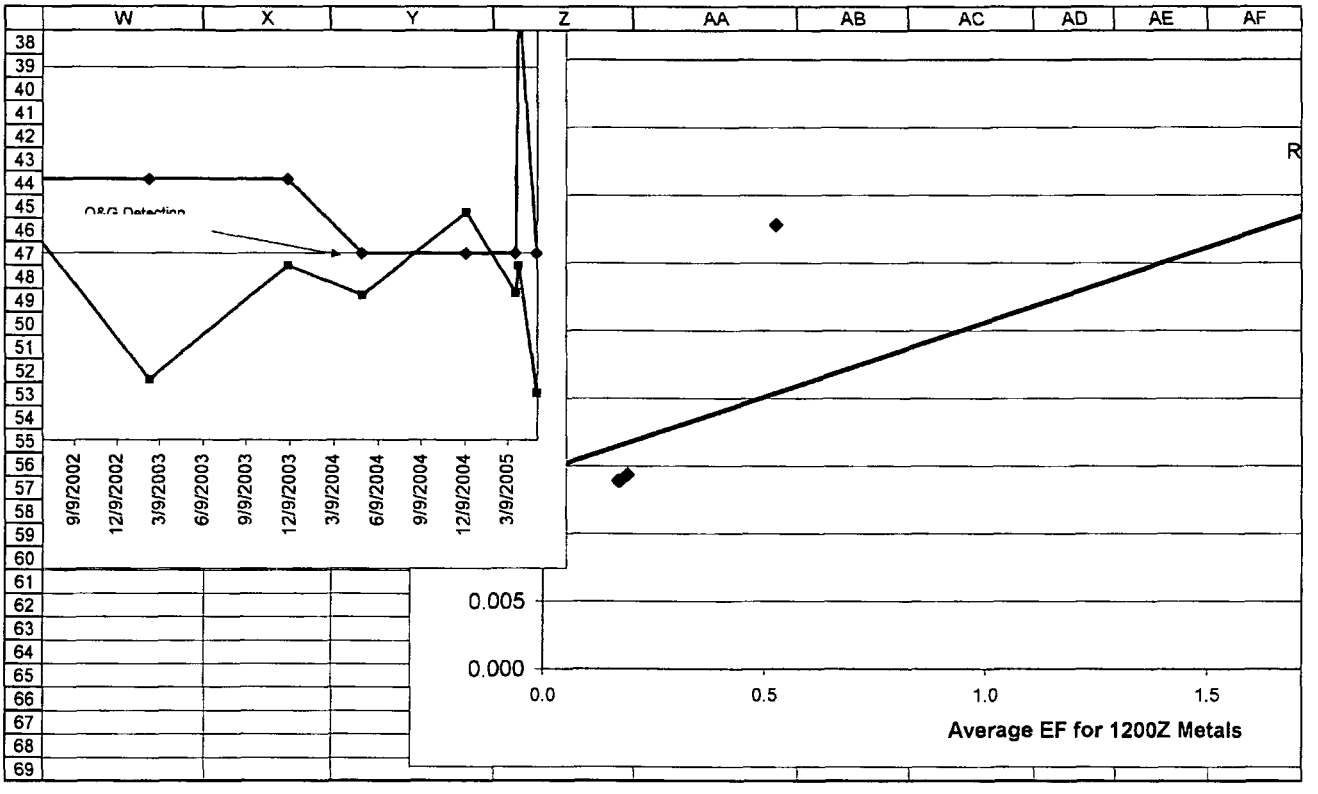

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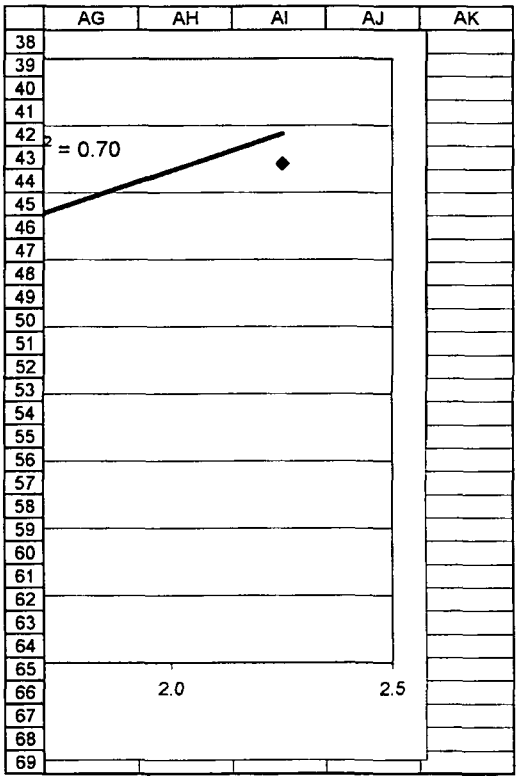
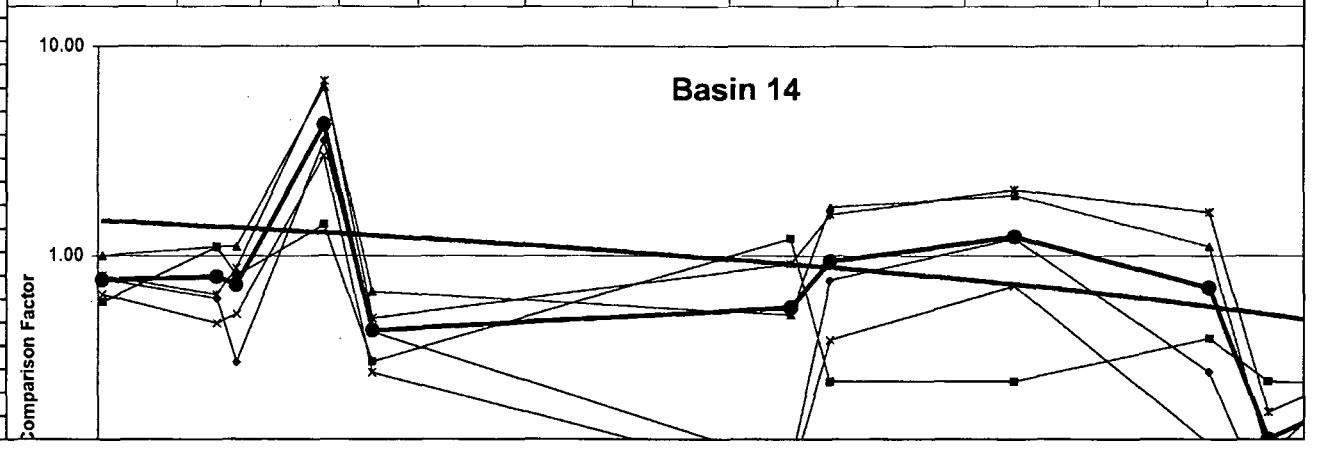


SCHN00377154

	A	B	C	D	E	F	G	H	I	J	K	L
1	**New Basin 14**											
2												
3	**Concentration**											
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel
5												
6	12/14/1993	7.99	100	6	0.1	0.26	0.48	0.0025	0.002	0.04	0.0001	0.005
7	12/14/1994	7.76	81	11	0.11	0.19	0.39	0.005	0.002	0.036	0.0006	0.01
8	2/17/1995	9.08	40	8	0.11	0.21	0.52	0.005	0.002	0.039	0.001	0.02
9	11/27/1995	8.8	460	14	0.64	1.2	4.1	0.02	0.01	0.45	0.0046	0.05
10	4/12/1996	7.7	56	3.1	0.067	0.11	0.3	0.01	0.0025	0.017	0.0001	0.01
11	11/11/1999	8.25	13	12	0.052	0.034	0.547					
12	3/10/2000	7.28	99	2.5	0.17	0.158	0.937					
13	10/30/2001	7.67	156	2.5	0.193	0.286	1.23					
14	6/20/2003	7.66	36	4	0.11	0.05	0.96					
15	12/5/2003	7.98	8	2.5	0.011	0.0246	0.107					
16	12/13/2004	7.71	15	2.4	0.037	0.066	0.19					
17												
18	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7
19												



SCHN00377155

	M	N	O	P	Q	R	S	T	U	V
1										
2										
3		**Exceeedance Factors**						Metals		
4		TSS	TPH	Copper	Lead	Zinc	Average	Average		Arsenic
5										
6		0.77	0.60	1.00	0.65	0.80	0.76	0.82		0.000588235
7		0.62	1.10	1.10	0.48	0.65	0.79	0.74		0.001176471
8		0.31	0.80	1.10	0.53	0.87	0.72	0.83		0.001176471
9		3.54	1.40	6.40	3.00	6.83	4.23	5.41		0.004705882
10		0.43	0.31	0.67	0.28	0.50	0.44	0.48		0.002352941
11		0.10	1.20	0.52	0.09	0.91	0.56	0.51		
12		0.76	0.25	1.70	0.40	1.56	0.93	1.22		
13		1.20	0.25	1.93	0.72	2.05	1.23	1.57		
14		0.28	0.40	1.10	0.13	1.60	0.70	0.94		
15		0.06	0.25	0.11	0.06	0.18	0.13	0.12		
16		0.12	0.24	0.37	0.17	0.32	0.24	0.28		
17										
18	Ave	0.81	0.66	1.56	0.63	1.60	1.05	1.26		
19										
20										
21										
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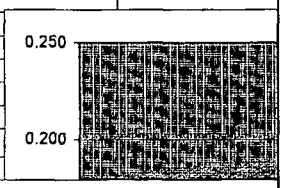

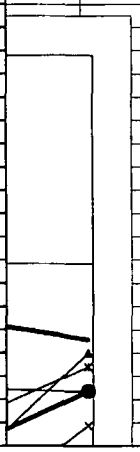

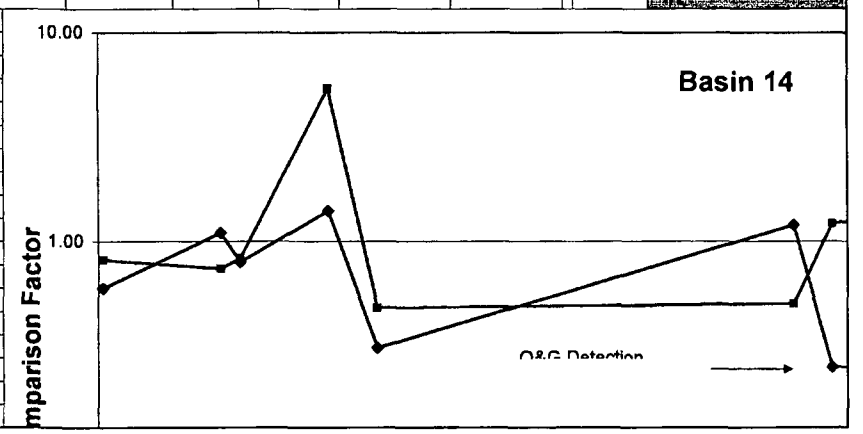

SCHN00377156

	W	X	Y	Z	AA	AB	AC	AD	AE	AF
1										
2										
3										
4	Cadmium	Chromium	Mercury	Nickel	Average					
5										
6	0.1	0.004705882	0.01	0.000714286	0.023		35.2			
7	0.1	0.004235294	0.06	0.001428571	0.033		22.2			
8	0.1	0.004588235	0.1	0.002857143	0.042		19.9			
9	0.5	0.052941176	0.46	0.007142857	0.205		26.4			
10	0.125	0.002	0.01	0.001428571	0.028		17.1			
11										
12										
13										
14										
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16										
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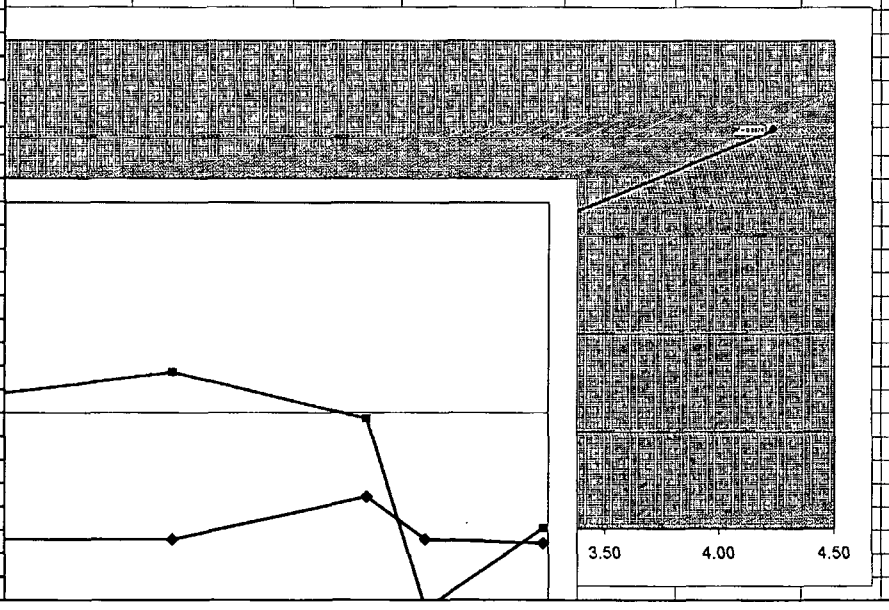

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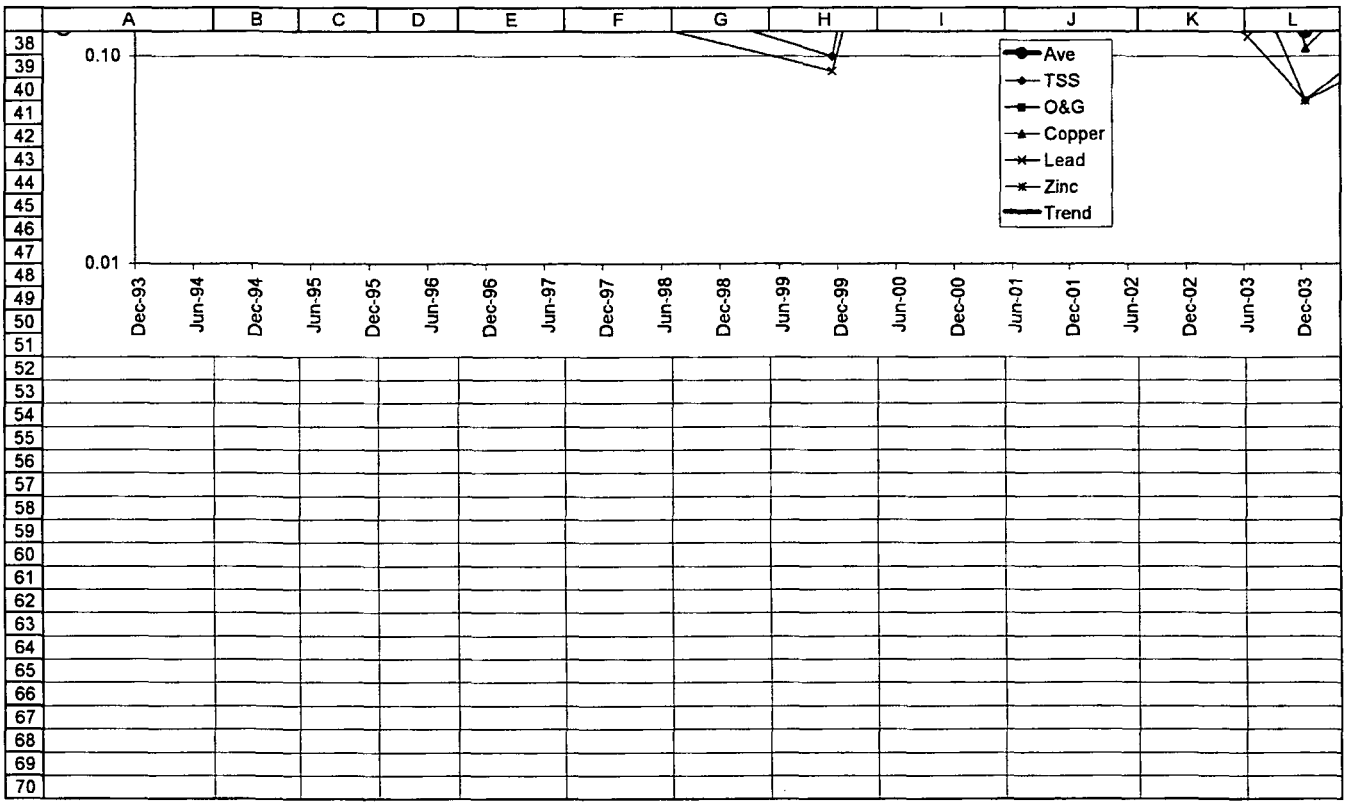

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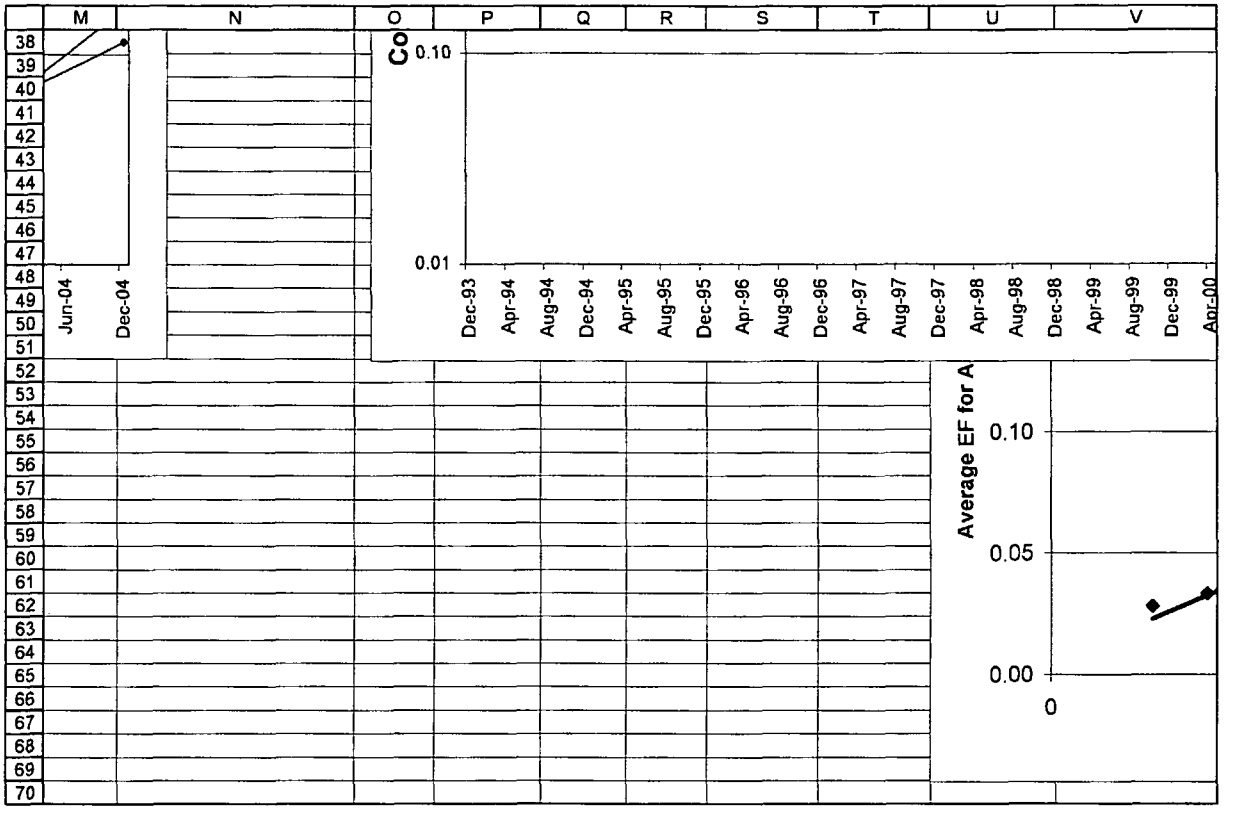
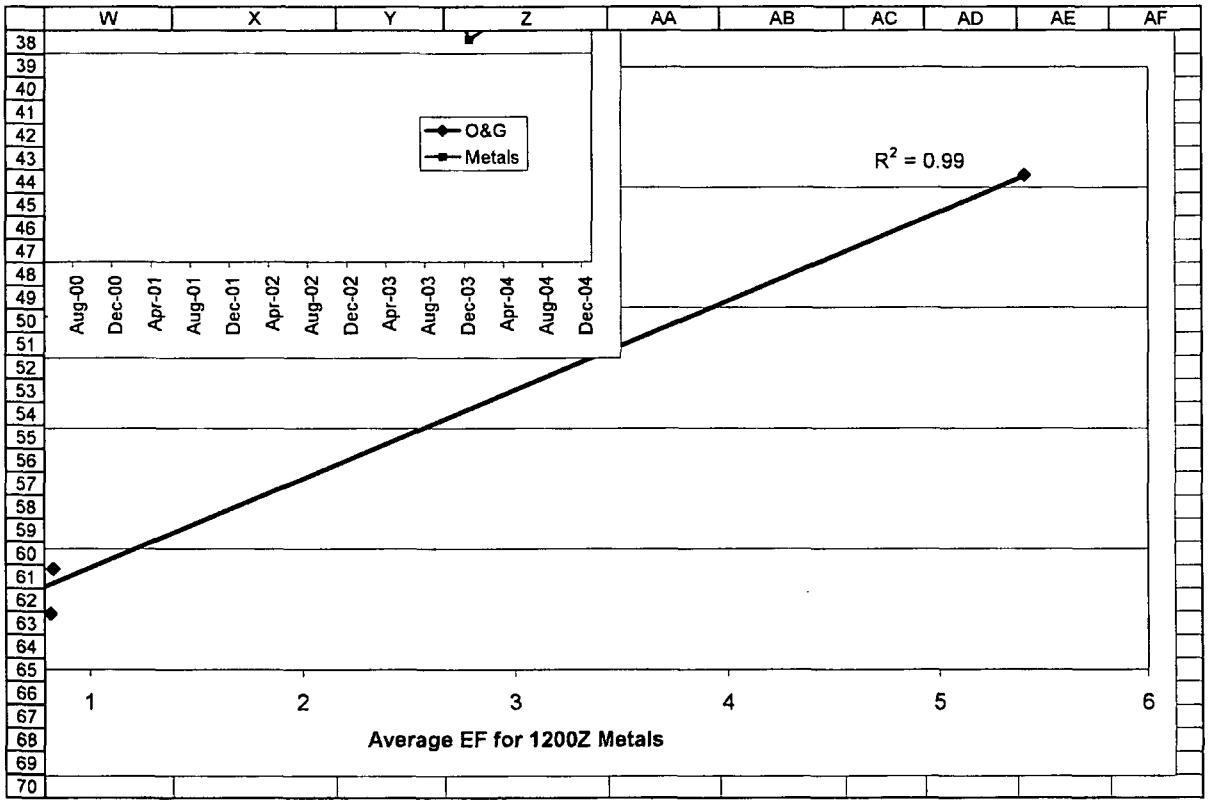
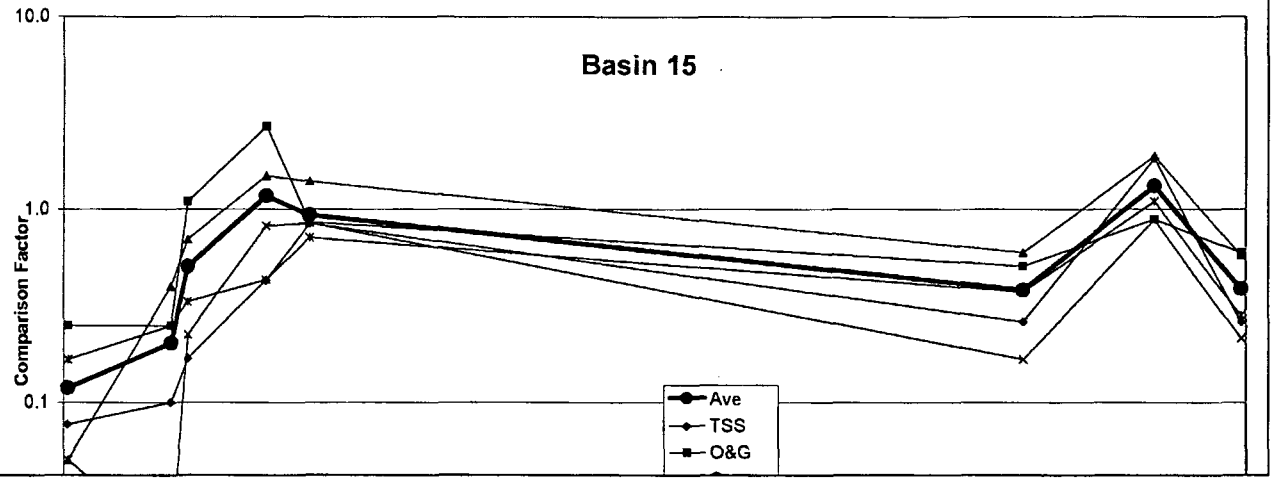


SCHN00377159



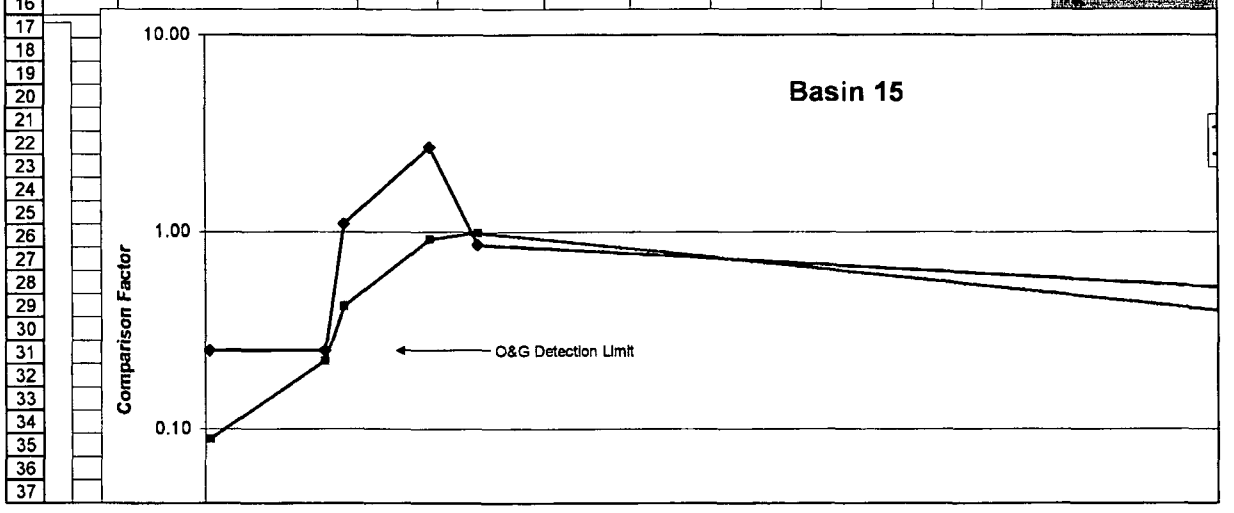
SCHN00377160

	A	B	C	D	E	F	G	H	I	J	K	L
1	**New Basin 15**											
2												
3												
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel
5												
6	12/14/1993	7.93	10	2.5	0.005	0.02	0.1	0.0025	0.001	0.012	0.0001	0.005
7	12/14/1994	7.79	13	2.5	0.04	0.007	0.15	0.005	0.001	0.006	0.0001	0.06
8	2/17/1995	7.74	22	11	0.07	0.09	0.2	0.005	0.001	0.012	0.0001	0.02
9	11/27/1995	7.9	56	27	0.15	0.33	0.26	0.005	0.003	0.03	0.0004	0.05
10	4/12/1996	8.5	110	8.6	0.14	0.34	0.43	0.006	0.0025	0.019	0.001	0.037
11	2/16/2003	7.68	34	5.1	0.06	0.067	0.225					
12	5/8/2004	7.68	240	8.9	0.19	0.354	0.66					
13	3/26/2005	8.1	34	6	0.058	0.086	0.17					
14												
15	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7
16												
17												



SCHN00377161

	M	N	O	P	Q	R	S	T	U	V
1										
2										
3		**Exceeedance Factors**						Metals		
4		TSS	TPH	Copper	Lead	Zinc	Average	Average		Arsenic
5										
6		0.08	0.25	0.05	0.05	0.17	0.12	0.09		0.000588235
7		0.10	0.25	0.40	0.02	0.25	0.20	0.22		0.001176471
8		0.17	1.10	0.70	0.23	0.33	0.51	0.42		0.001176471
9		0.43	2.70	1.50	0.83	0.43	1.18	0.92		0.001176471
10		0.85	0.86	1.40	0.85	0.72	0.93	0.99		0.001411765
11		0.26	0.51	0.60	0.17	0.38	0.38	0.38		
12		1.85	0.89	1.90	0.89	1.10	1.32	1.30		
13		0.26	0.60	0.58	0.22	0.28	0.39	0.36		
14										
15	Ave	0.53	0.94	0.94	0.43	0.48	0.66	0.62		0.050
16										



SCHN00377162

	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
1											
2											
3											
4	Cadmium	Chromium	Mercury	Nickel	Average						
5											
6	0.05	0.001411765	0.01	0.000714286	0.013		7.1				
7	0.05	0.000705882	0.01	0.008571429	0.014		15.8				
8	0.05	0.001411765	0.01	0.002857143	0.013		32.0				
9	0.15	0.003529412	0.04	0.007142857	0.040		22.8				
10	0.125	0.002235294	0.1	0.005285714	0.047		21.1				
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21	O&G										
22	Metals										
23											
24											
25											
26											
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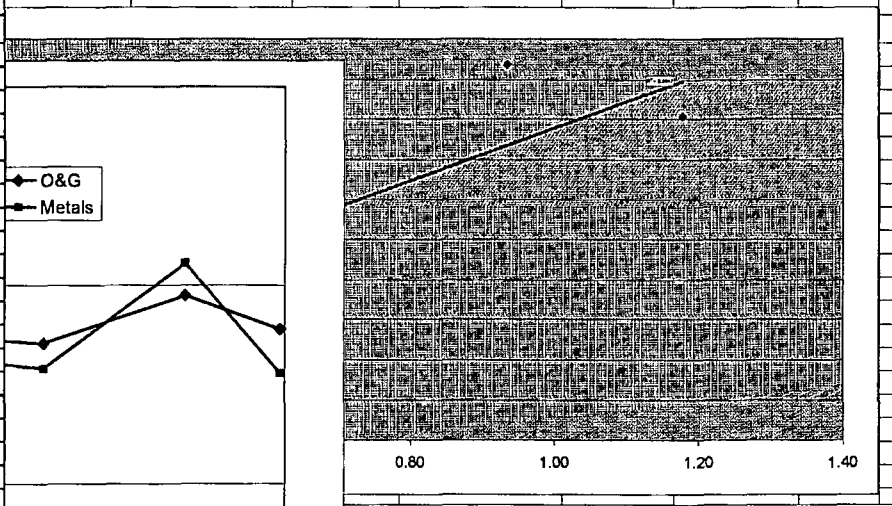
37											



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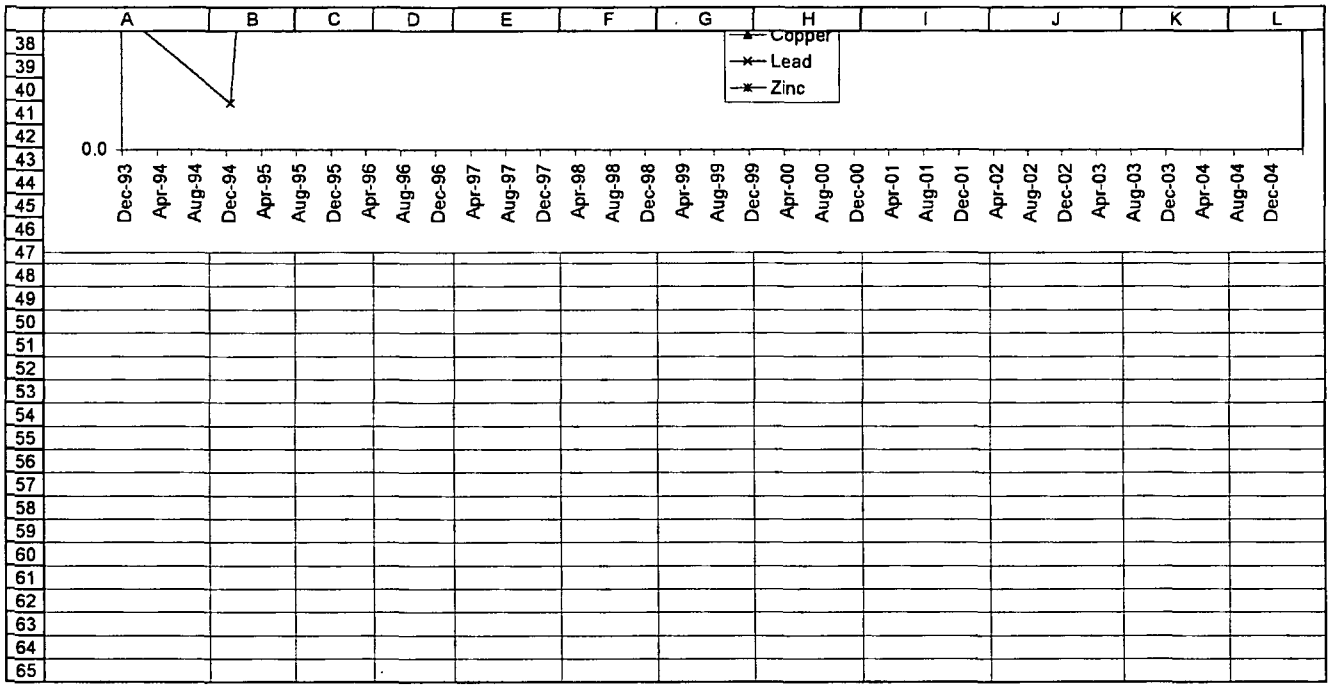

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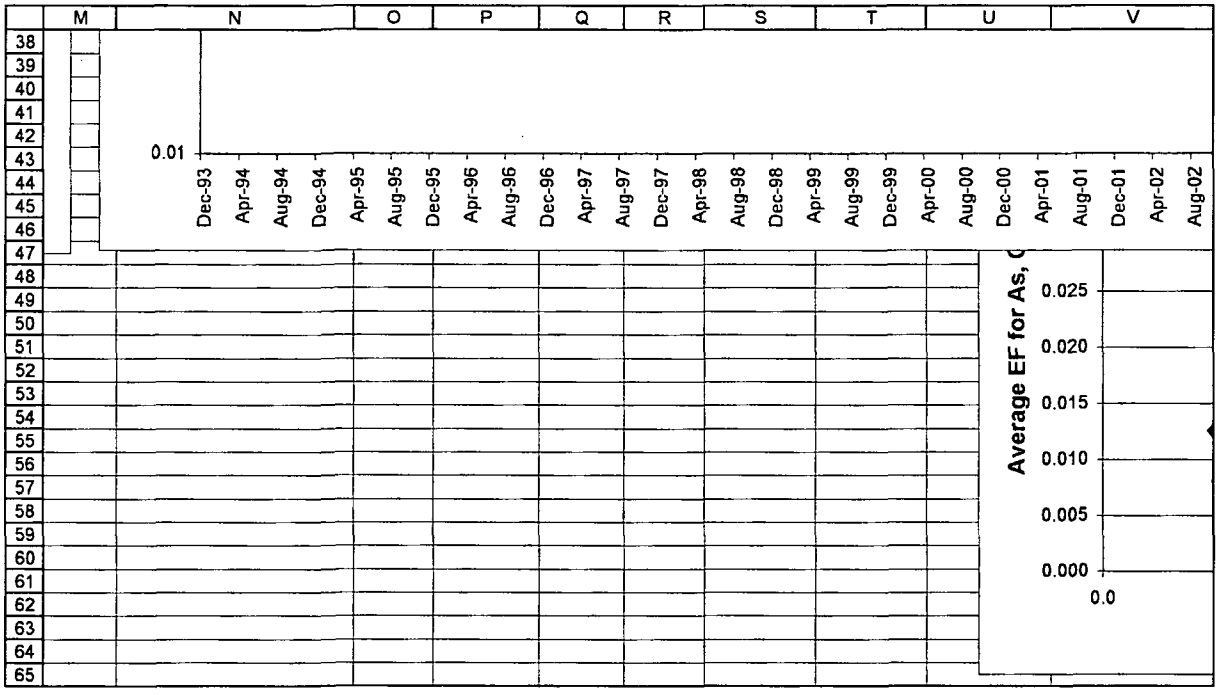

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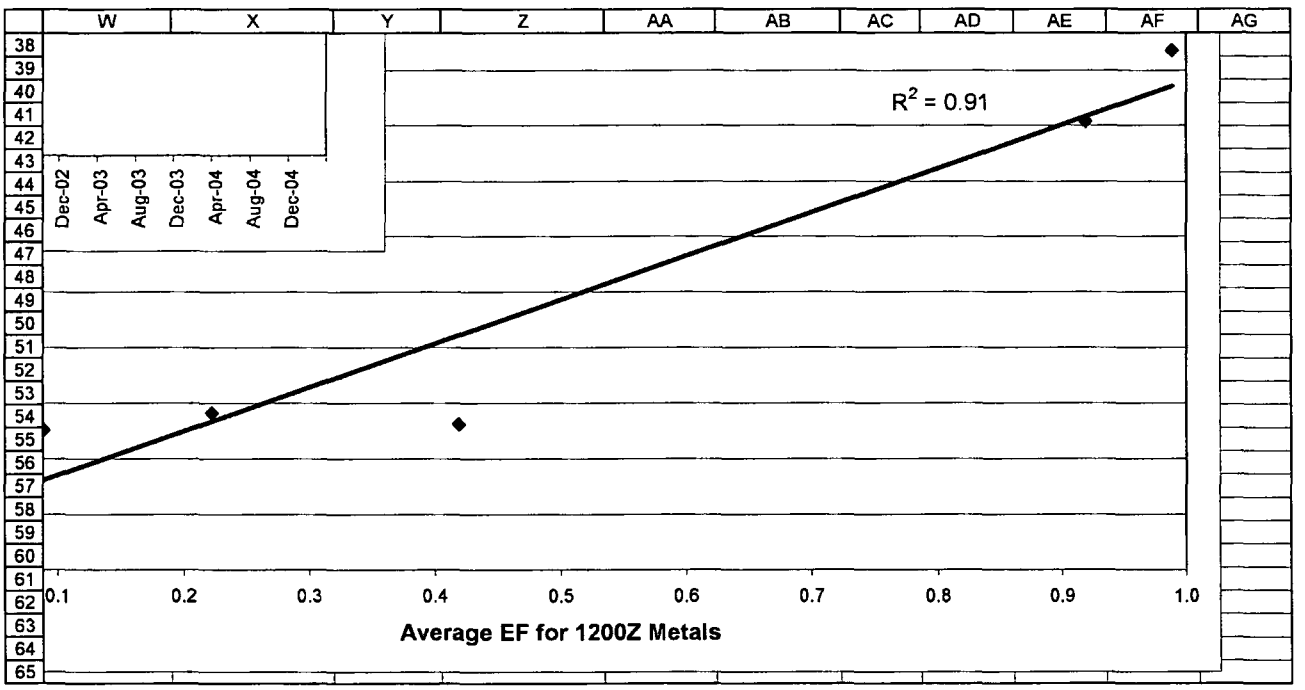
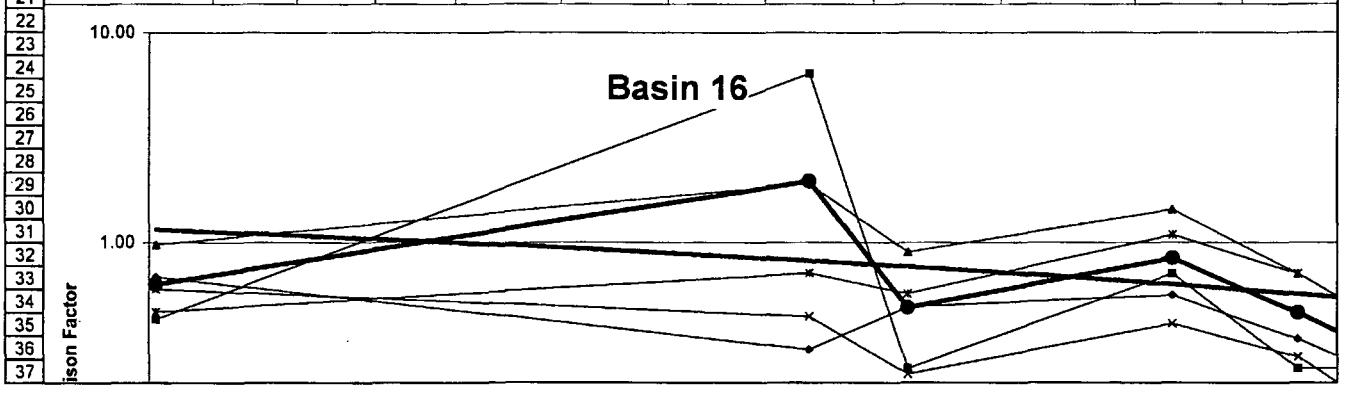


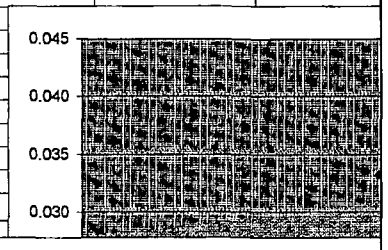
SCHN00377166

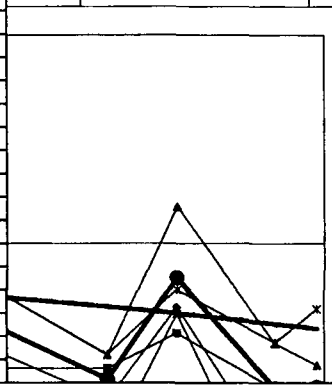
	A	B	C	D	E	F	G	H	I	J	K	L
1	**New Basin 16**											
2												
3	**Concentration**											
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury	Nickel
5												
6	12/14/1993	7.6	56	13	0.07	0.08	0.21	0.0025	0.004	0.019	0.0001	0.01
7	12/14/1994	7.3	12	2	0.03	0.022	0.15	0.005	0.001	0.006	0.0001	0.1
8	2/17/1995	7.53	6	8	0.005	0.017	0.06	0.005	0.003	0.005	0.0001	0.03
9	11/27/1995	7.4	17	1.5	0.03	0.05	0.15	0.005	0.001	0.01	0.0001	0.05
10	4/12/1996	8.1	89	4.3	0.098	0.24	0.28	0.002	0.0025	0.005	0.0004	0.04
11	3/10/2000	7.09	40	64	0.191	0.177	0.429					
12	10/20/2000	7.18	64	2.5	0.09	0.094	0.342					
13	5/22/2002	7.09	73	7.1	0.144	0.164	0.654					
14	2/16/2003	8.2	45	2.5	0.071	0.114	0.427					
15	12/5/2003	8.03	23	2.5	0.029	0.0415	0.175					
16	5/8/2004	8.11	64	3.7	0.15	0.183	0.36					
17	12/13/2004	7.45	12	2	0.033	0.019	0.2					
18	3/26/2005	7.93	5	1	0.026	0.054	0.29					
19												
20	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01	7
21												

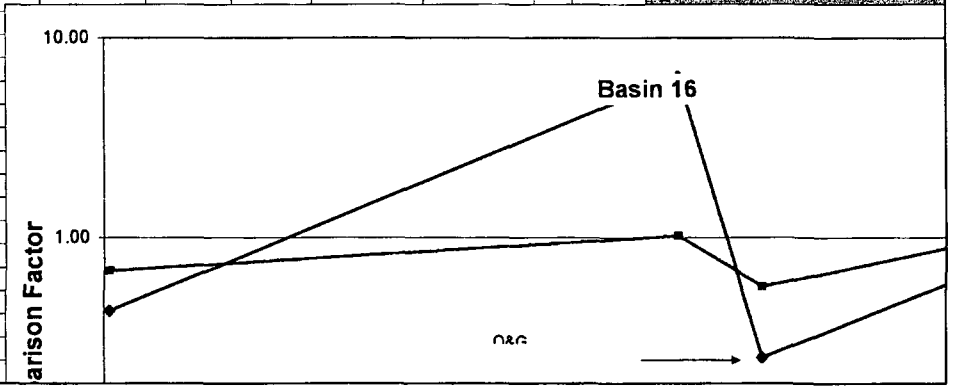


SCHN00377167

	M	N	O	P	Q	R	S	T	U	V	W
1											
2											
3		**Exceedance Factors**						Metals			
4		TSS	TPH	Copper	Lead	Zinc	Average	Average		Arsenic	Cadmium
5											
6		0.43	1.30	0.70	0.20	0.35	0.60	0.42		0.000588235	0.2
7		0.09	0.20	0.30	0.06	0.25	0.18	0.20		0.001176471	0.05
8		0.05	0.80	0.05	0.04	0.10	0.21	0.06		0.001176471	0.15
9		0.13	0.15	0.30	0.13	0.25	0.19	0.23		0.001176471	0.05
10		0.68	0.43	0.98	0.60	0.47	0.63	0.68		0.000470588	0.125
11		0.31	6.40	1.91	0.44	0.72	1.96	1.02			
12		0.49	0.25	0.90	0.24	0.57	0.49	0.57			
13		0.56	0.71	1.44	0.41	1.09	0.84	0.98			
14		0.35	0.25	0.71	0.29	0.71	0.46	0.57			
15		0.18	0.25	0.29	0.10	0.29	0.22	0.23			
16		0.49	0.37	1.50	0.46	0.60	0.68	0.85			
17		0.09	0.20	0.33	0.05	0.33	0.20	0.24			
18		0.04	0.10	0.26	0.14	0.48	0.20	0.29			
19											
20	Ave	0.34	1.01	0.83	0.27	0.49	0.59	0.53			
21											

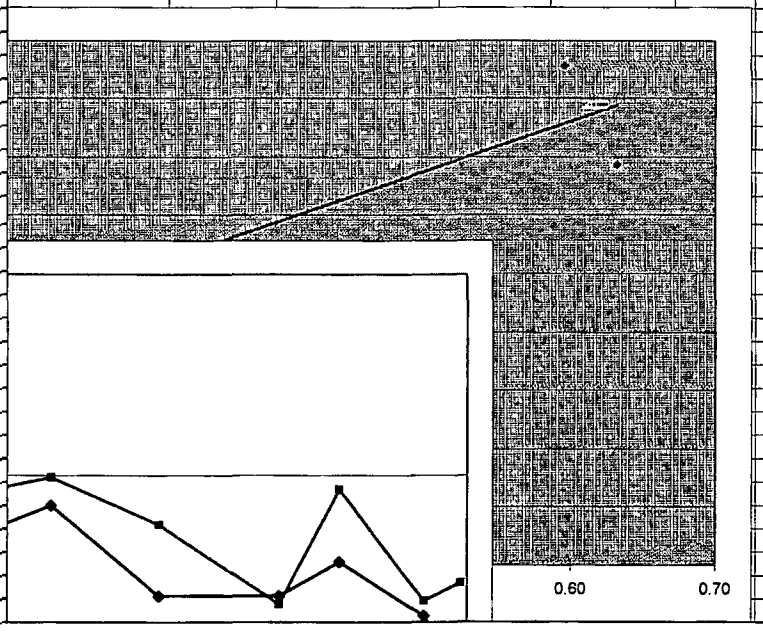






SCHN00377168

	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH
1											
2											
3											
4	Chromium	Mercury	Nickel	Average							
5											
6	0.002235294	0.01	0.001428571	0.043		9.7					
7	0.000705882	0.01	0.014285714	0.015		13.2					
8	0.000588235	0.01	0.004285714	0.033		1.9					
9	0.001176471	0.01	0.007142857	0.014		16.2					
10	0.000588235	0.04	0.005714286	0.034		19.9					
11											



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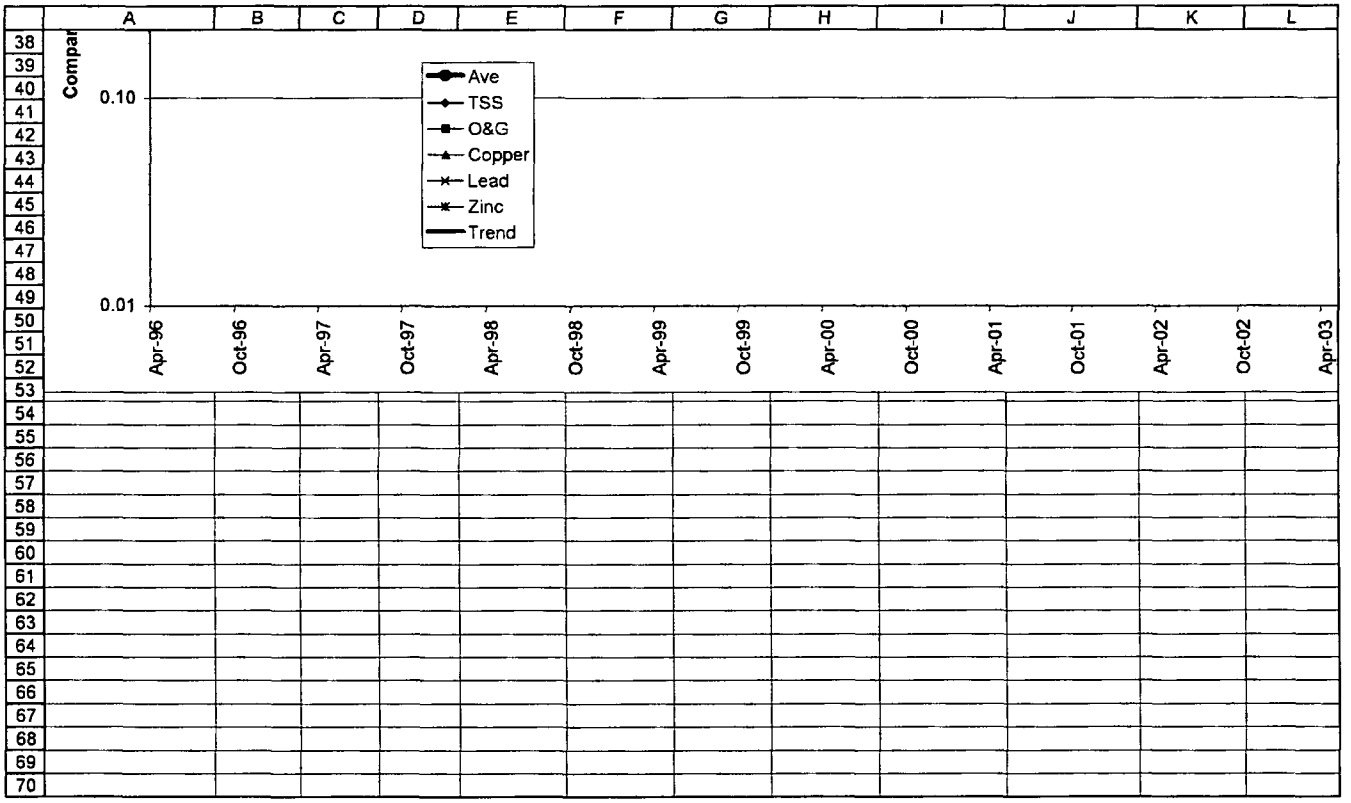

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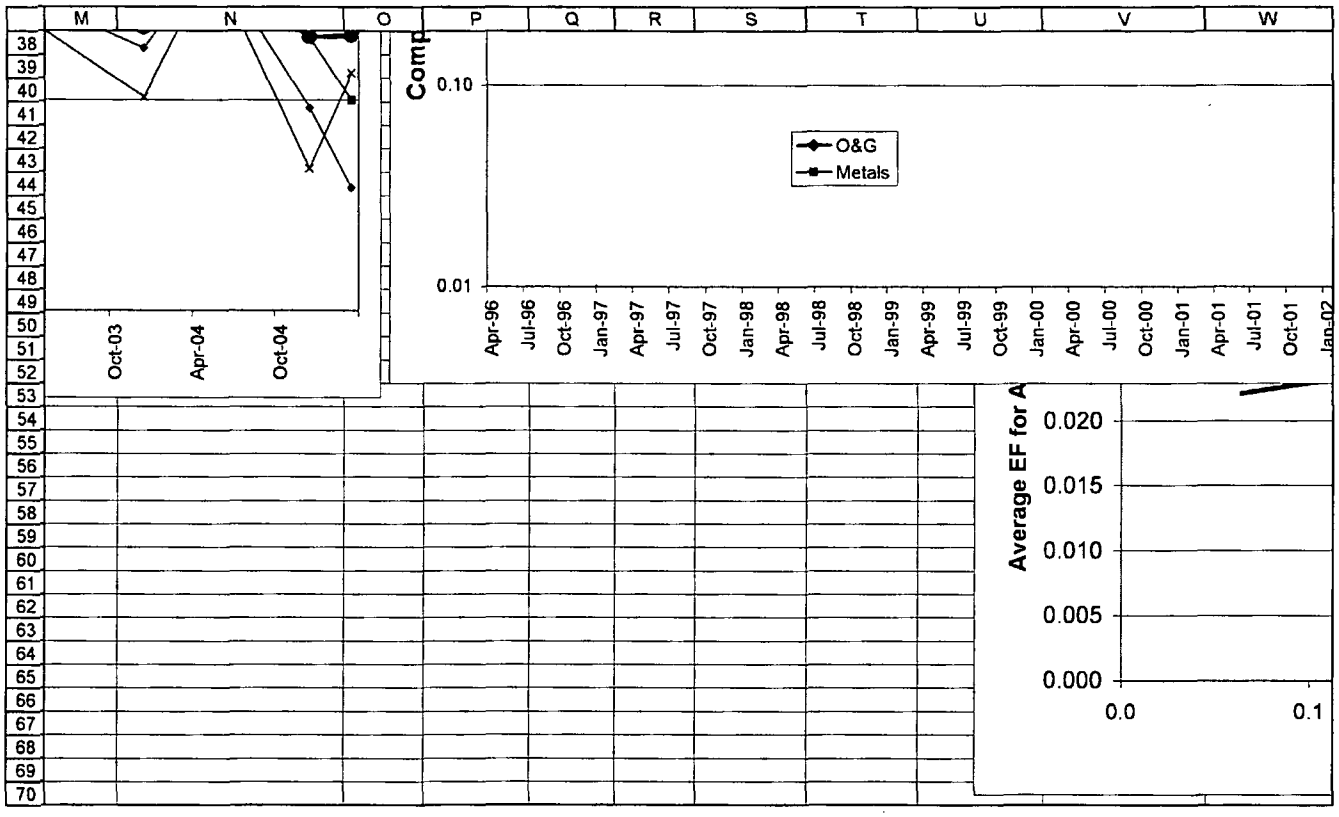

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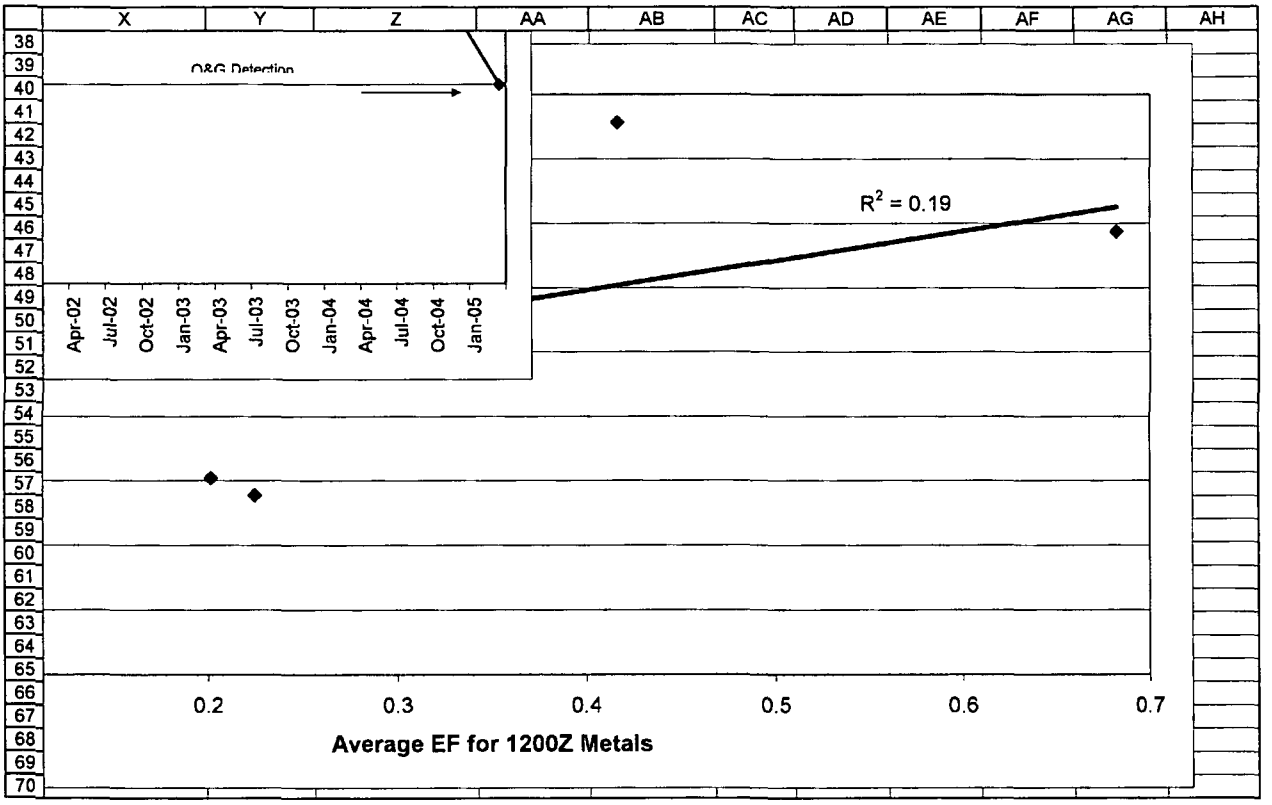
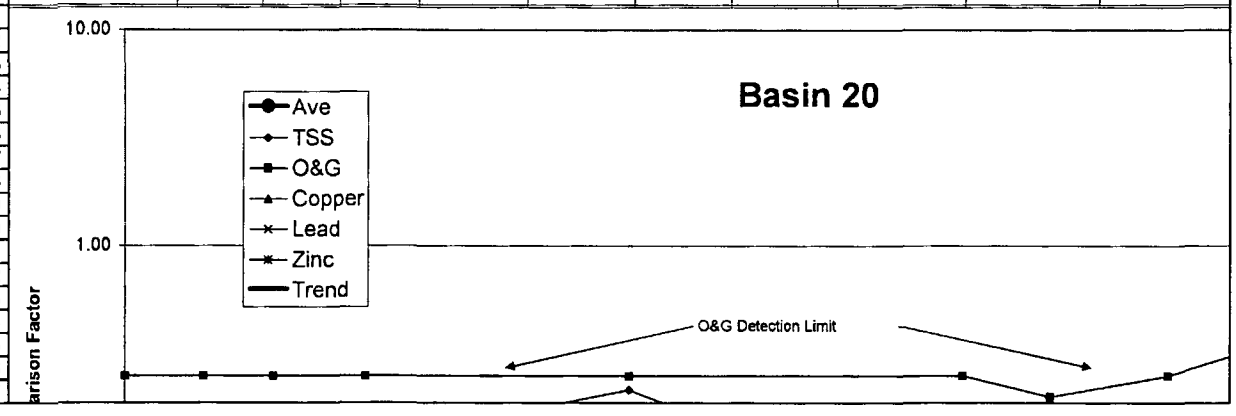


SCHN00377172

	A	B	C	D	E	F	G	H	I	J	K
1	**New Basin 20**										
2											
3	**Concentration**										
4	Date	pH	TSS	TPH	Copper	Lead	Zinc	Arsenic	Cadmium	Chromium	Mercury
5											
6	11/11/1999	9.45	20	2.5	0.005	0.006	0.017				
7	3/4/2000	9.4	14	2.5	0.005	0.006	0.018				
8	6/11/2000	8.45	8	2.5	0.005	0.006	0.017				
9	10/20/2000	6.95	16	2.5	0.005	0.003	0.024				
10	10/30/2001	8.23	28	2.5	0.018	0.028	0.057				
11	2/16/2003	8.44	7	2.5	0.005	0.0046	0.047				
12	6/20/2003	8.01	25	2	0.0005	0.0005	0.025				
13	12/5/2003	7.86	6	2.5	0.005	0.002	0.013				
14	5/8/2004	8.01	32	3.6	0.018	0.025	0.1				
15	12/13/2004	7.38	18	1	0.009	0.0025	0.028				
16	3/26/2005	7.92	8	1	0.019	0.027	0.29				
17	4/1/2005	6.3	44	5.3	0.0383	0.0555	0.264				0.000083
18											
19	Benchmarks[1]		130	10	0.1	0.4	0.6	4.25	0.02	8.5	0.01
20											



SCHN00377173

	L	M	N	O	P	Q	R	S	T	U	V
1											
2											
3				**Exceedance Factors**						Metals	
4	Nickel	COD		TSS	TPH	Copper	Lead	Zinc	Average	Average	
5											
6				0.15	0.25	0.05	0.02	0.03	0.10	0.03	
7				0.11	0.25	0.05	0.02	0.03	0.09	0.03	
8				0.06	0.25	0.05	0.02	0.03	0.08	0.03	
9				0.12	0.25	0.05	0.01	0.04	0.09	0.03	
10				0.22	0.25	0.18	0.07	0.10	0.16	0.12	
11				0.05	0.25	0.05	0.01	0.08	0.09	0.05	
12				0.19	0.20	0.01	0.001	0.04	0.09	0.02	
13				0.05	0.25	0.05	0.005	0.02	0.07	0.03	
14				0.25	0.36	0.18	0.063	0.17	0.20	0.14	
15				0.14	0.10	0.09	0.006	0.05	0.08	0.05	
16				0.06	0.10	0.19	0.068	0.48	0.18	0.25	
17		38		0.34	0.53	0.38	0.139	0.44	0.37	0.32	
18											
19	7		Ave	0.14	0.25	0.11	0.03	0.13	0.13	0.09	
20											
21											
22											
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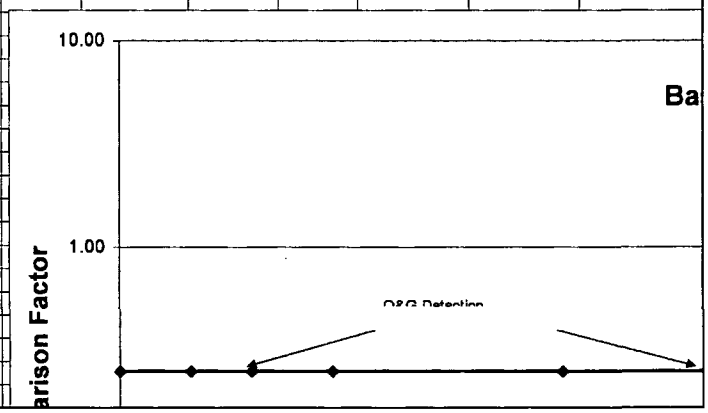

SCHN00377174

	W	X	Y	Z	AA	AB
1						
2						
3						
4				Mercury		
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17				0.000083		
18						
19						
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21						
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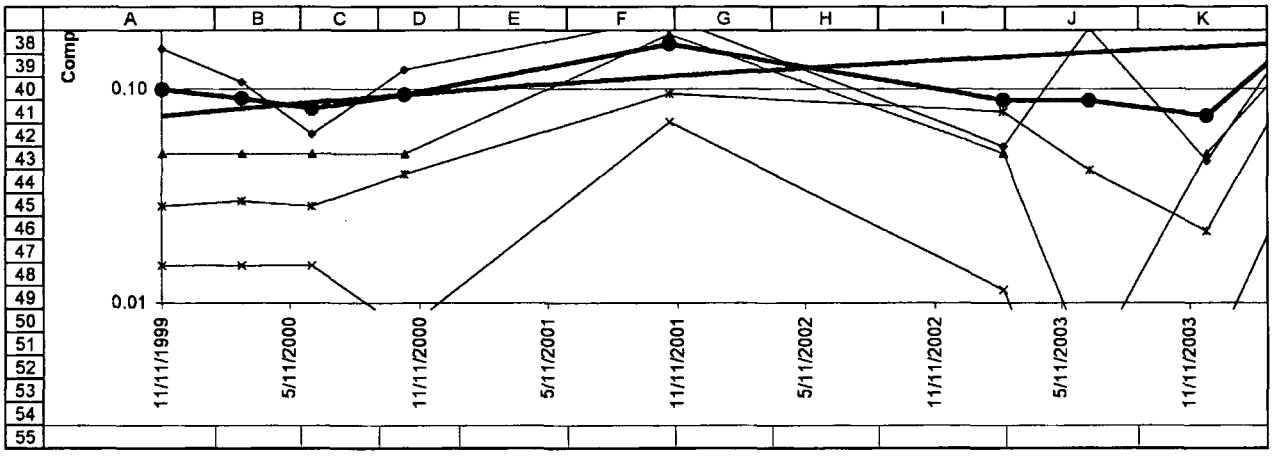

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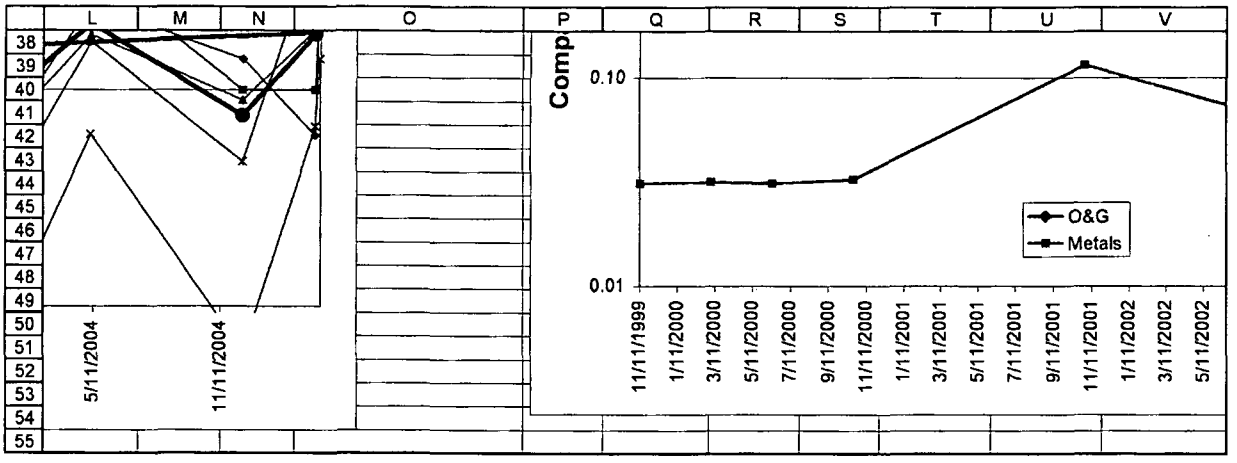
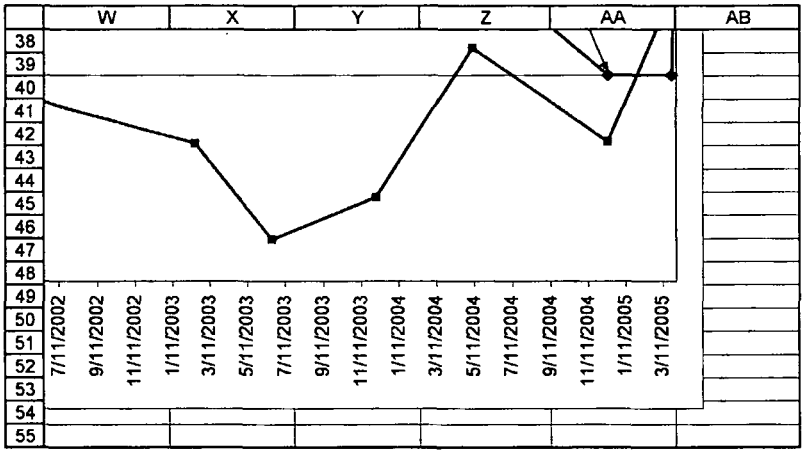


SCHN00377177



SCHN00377178

	A	B	C	D	E	F	G	H	I	J	K
1											
2		All Parameters									
3	Old Basin	1	2	3	4	5/6	7	14	15	16	20
4	New Basin	1	2	3	4	5	6	14	15	16	20
5											
6	12/14/1993		0.54	1.32	0.47	0.71	0.11	0.76	0.12	0.60	0.10
7	12/14/1994		4.23	0.28	0.42	0.78	0.20	0.79	0.20	0.18	0.09
8	2/17/1995		0.45	4.79	1.02	0.77	0.37	0.72	0.51	0.21	0.08
9	11/27/1995		3.86	0.30	0.25	0.60	0.58	4.23	1.18	0.19	0.09
10	4/12/1996		5.91	1.50	3.02	1.18	0.59	0.44	0.93	0.63	0.16
11	11/18/1996		7.85	1.61	9.08	1.98					
12	5/28/1997		0.09	0.13	0.23	0.23					
13	12/9/1997		3.50	2.20	3.19	3.87	2.23				
14	5/20/1998		4.26	2.45	10.06	2.26	1.05				
15	11/23/1998		5.43	15.09	3.54	7.04	0.54				
16	5/3/1999		1.08	0.26	0.47	0.17	0.09				
17	11/11/1999		5.19	2.50	4.90	2.29	0.12	0.56			0.10
18	3/4/2000		2.20	1.32	0.47	0.78	0.23	0.93		1.96	0.09
19	6/11/2000		1.54	0.69	0.29	0.16	0.10				0.08
20	10/20/2000		0.38	2.42	0.73	4.24	0.11			0.49	0.09
21	10/30/2001		0.71	0.43	0.16	0.16	0.28	1.23			0.16
22	5/22/2002		0.72	0.13		0.09	0.23			0.84	
23	2/16/2003	0.50		1.49	0.55	0.17	0.07		0.38	0.46	0.09
24	6/20/2003			0.04	0.23			0.70			0.09
25	12/5/2003	0.644679487		0.53	0.12	0.232578205	0.143121795	0.13		0.222467949	0.07
26	5/8/2004	0.543948718		0.24	0.14	0.158974359	0.069679487		1.32	0.683961538	0.20
27	12/13/2004	2.13		1.82	0.64	1.09	0.14	0.24		0.20	0.08
28	3/26/2005	0.63		0.43	0.50	0.60	0.10		0.39	0.20	0.18
29	4/1/2005			2.88		1.37	0.55				0.37
30	5/10/2005			1.22		0.80	0.55				
31											
32	Average	0.89	2.82	1.84	1.84	1.32	0.38	0.98	0.63	0.53	0.12
33											
34											
35											
36											
37											

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
1														
2			Metals Only											
3			1	2	3	4	5/6	7	14	15	16	20		
4	Average		1	2	3	4	5	6	14	15	16	20	Average	
5														
6	0.53			0.68	1.71	0.16	0.48	0.03	0.82	0.09	0.42		0.55	
7	0.80			5.03	0.24	0.53	0.61	0.18	0.74	0.22	0.20		0.97	
8	0.99			0.59	6.47	0.66	0.76	0.17	0.83	0.42	0.06		1.24	
9	1.25			4.99	0.38	0.21	0.47	0.19	5.41	0.92	0.23		1.60	
10	1.60			7.83	1.74	1.90	0.86	0.53	0.48	0.99	0.68		1.88	
11														
12														
13	3.00			4.02	3.03	5.07	5.75	2.25					4.02	
14	4.02			6.14	3.68	15.65	2.96	0.90					5.86	
15	6.33			7.56	24.33	2.42	10.62	0.65					9.12	
16	0.41			1.34	0.34	0.69	0.19	0.05					0.52	
17	2.24			7.61	3.64	7.13	2.90	0.03	0.51			0.03	3.12	
18	1.00			3.02	1.92	0.61	0.98	0.17	1.22		1.02	0.03	1.12	
19	0.48			2.03	0.84	0.37	0.15	0.08			0.57	0.03	0.58	
20	1.21			0.28	3.49	1.05	5.60	0.09				0.03	1.76	
21	0.45			0.98	0.53	0.18	0.16	0.29	1.57			0.12	0.55	
22	0.40			0.74	0.11		0.05	0.16			0.98		0.41	
23	0.46				1.64	0.83	0.18	0.02		0.38	0.57	0.05	0.52	
24	0.26				0.02	0.02			0.94			0.02	0.25	
25	0.26		0.67		0.74	0.12	0.18	0.09	0.12		0.23	0.03	0.27	
26	0.42		0.64		0.27	0.15	0.16	0.06		1.30	0.85	0.14	0.45	
27	0.79		2.46		2.38	0.85	1.41	0.17	0.28		0.24	0.05	0.98	
28	0.38		0.63		0.66	0.75	0.82	0.06		0.36	0.29	0.25	0.48	
29	1.29				4.08		1.78	0.09				0.32	1.57	
30	0.86				1.61		1.00	0.02					0.88	
31														
32	1.28		1.10	3.52	2.78	1.97	1.73	0.28	1.17	0.58	0.49	0.09	1.68	
33														
34														
35														
36														
37														

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL
1													
2	O&G Only												Early Parameters
3	1	2	3	4	5/6	7	14	15	16	20			1
4	1	2	3	4	5	6	14	15	16	20	Average		1
5													
6		0.40	0.25	0.60	1.20	0.25	0.60	0.25	1.30		0.61		
7		2.00	0.60	0.25	0.80	0.25	1.10	0.25	0.20		0.68		
8		0.25	1.90	1.20	0.93	0.70	0.80	1.10	0.80		0.96		
9		1.10	0.15	0.15	0.38	0.40	1.40	2.70	0.15		0.80		
10		0.53	0.35	0.19	0.30	0.35	0.31	0.86	0.43		0.42		
11													
12													
13		4.00	1.20	0.25	1.43	0.90					1.56		
14		1.26	0.51	0.57	0.36	0.45					0.63		
15		2.30	0.90	1.80	0.85	0.60					1.29		
16		1.20	0.25	0.25	0.25	0.25					0.44		
17		1.60	0.90	0.90	1.25	0.25	1.2			0.25	0.91		
18		0.70	0.25	0.25	0.43	0.25	0.25		6.4	0.25	1.10		
19		1.20	0.82	0.25	0.25	0.25				0.25	0.50		
20		0.96	1.00	0.25	0.25	0.25			0.25	0.25	0.46		
21		0.50	0.50	0.25	0.25	0.25	0.25			0.25	0.32		
22		1.30	0.25		0.25	0.25			0.71		0.55		
23			1.70	0.25	0.25	0.25		0.51	0.25	0.25	0.49		
24			0.10	0.70			0.4			0.20	0.35		
25	0.74		0.25	0.25	0.53	0.25	0.25		0.25	0.25	0.35		
26	0.67		0.32	0.23	0.26	0.10		0.89	0.37	0.36	0.40		
27	1.12		0.96	0.31	0.44	0.10	0.24		0.20	0.10	0.43		
28	0.37		0.10	0.10	0.10	0.10		0.60	0.10	0.10	0.20		
29			0.51		0.51	2.41				0.53	0.99		
30			0.36		0.10	0.10					0.19		
31													
32	0.73	1.29	0.61	0.45	0.52	0.41	0.62	0.90	0.88	0.25	0.64		
33													
34													
35													
36													
37													

	AM	AN	AO	AP	AQ	AR	AS	AT	AU
1									
2									
3	2	3	4	5/6	7	14	15	16	20
4	2	3	4	5	6	14	15	16	20
5									
6	0.042495798	0.105	0.022801681	0.028	0.012401681	0.023201681	0.012542857	0.04285042	
7	0.30445042	0.014	0.014260504	0.039	0.01389916	0.033368067	0.014090756	0.015233613	
8	0.042589916	0.375	0.023818487	0.044	0.01389916	0.04172437	0.013089076	0.033210084	
9	0.10389916	0.014	0.014134454	0.019	0.014369748	0.204957983	0.040369748	0.01389916	
10	0.31112605	0.028	0.270010084	0.040	0.032821849	0.028156303	0.050810084	0.034354622	
11	0.389322689	0.066	0.336203361	0.039					
12	0.142991597	0.025	0.025462185	0.026					
13	0.206453782	0.136	0.025968067	0.155					
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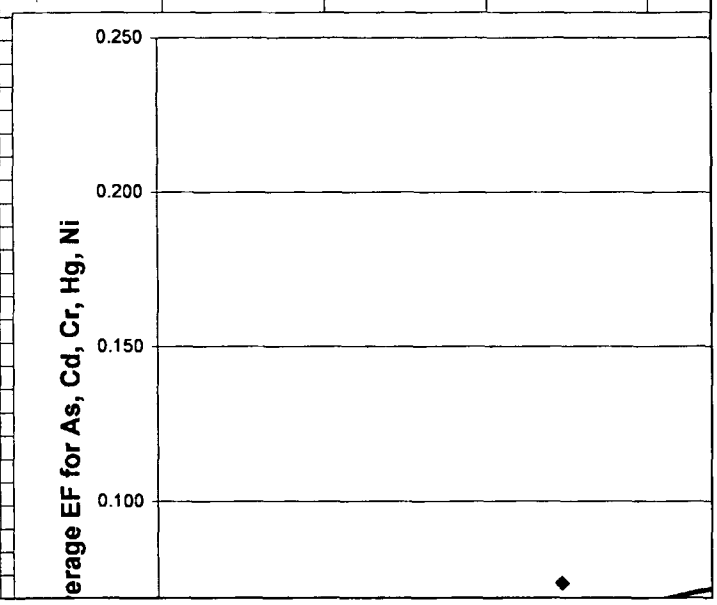

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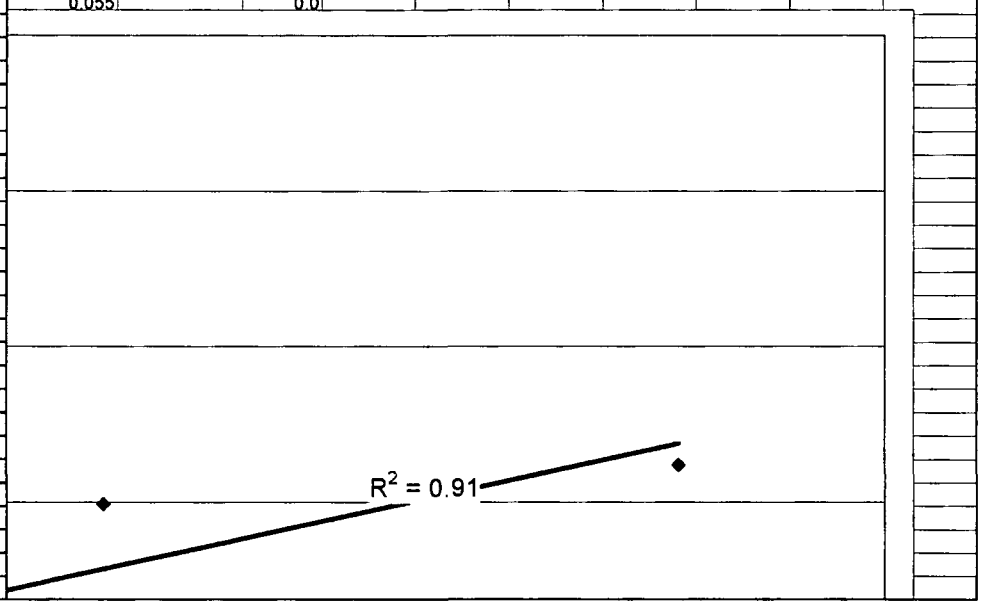
	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE
1										
2										
3										
4	Average									
5										
6	0.036		16.8							
7	0.056		12.2							
8	0.073		13.1							
9	0.053		15.1							
10	0.099		4.2							
11	0.208		0.0							
12	0.055		0.0							



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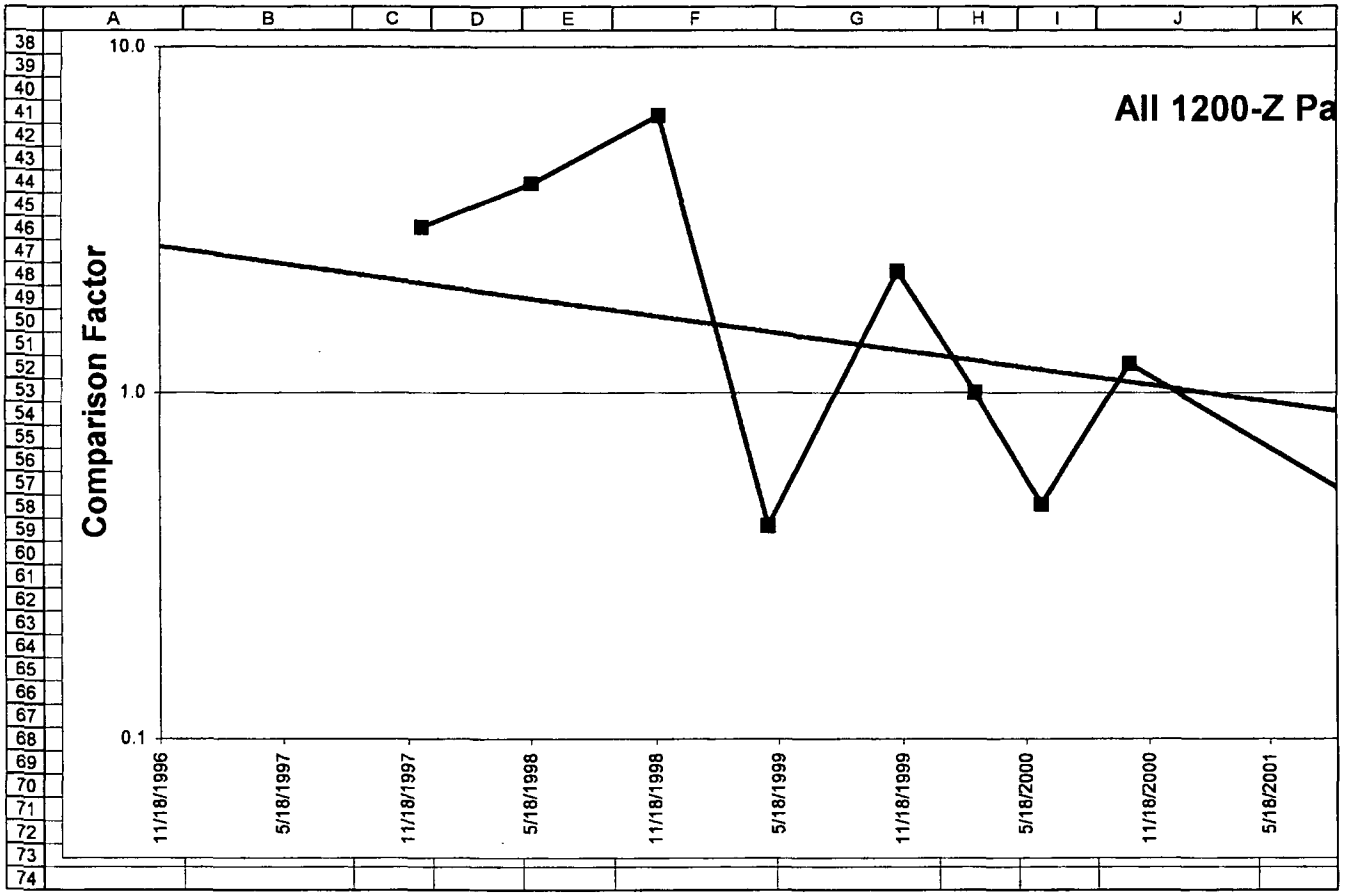

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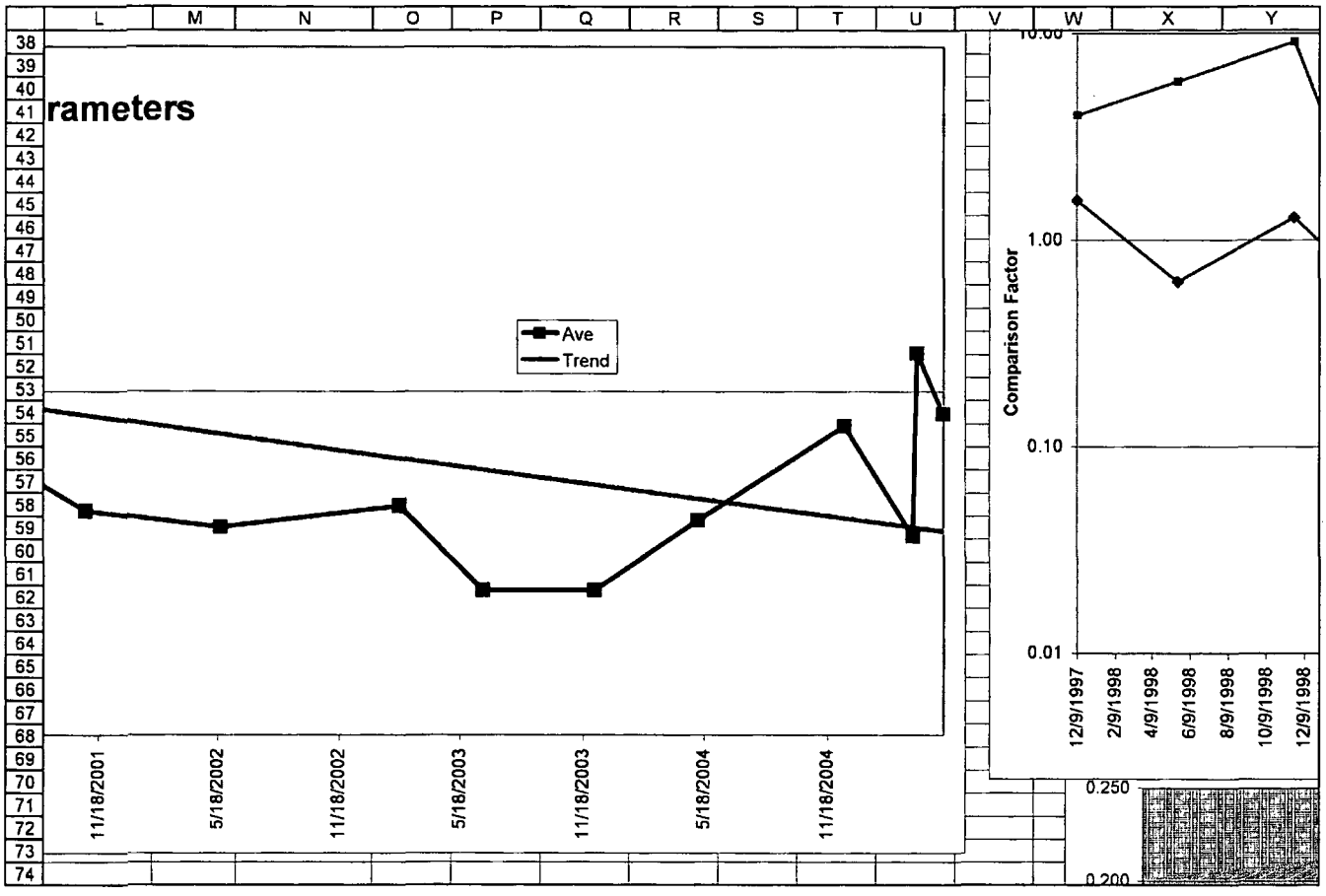

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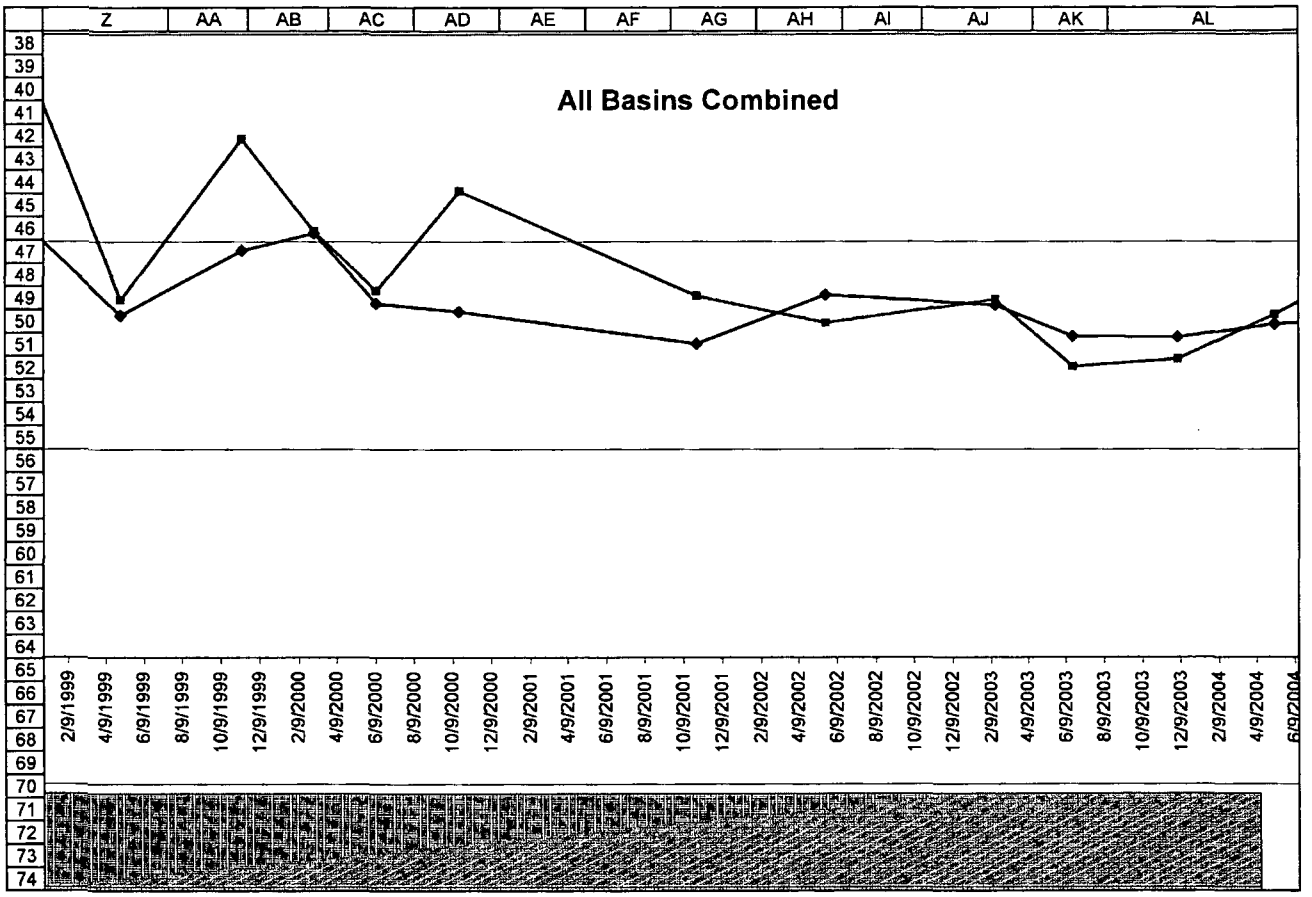

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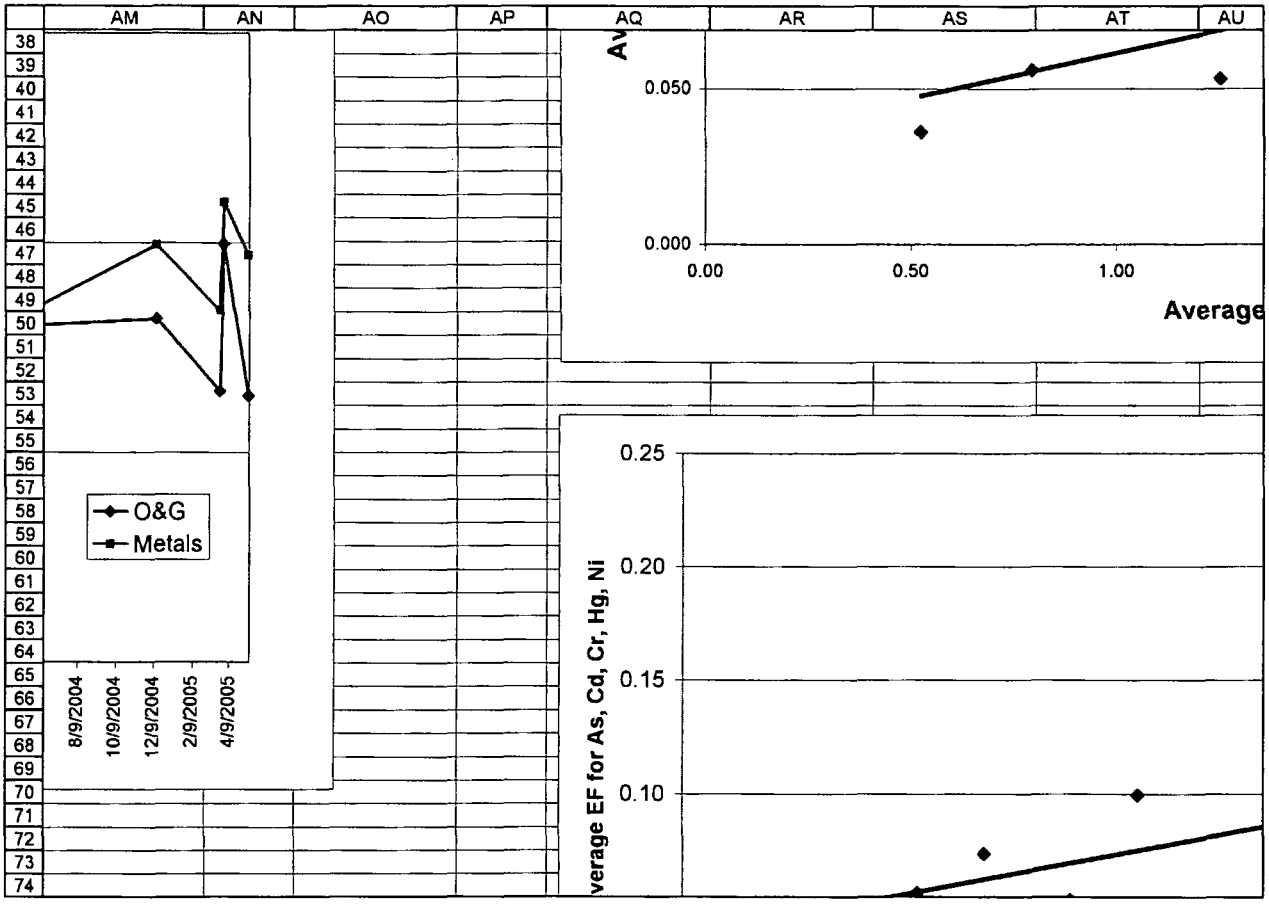

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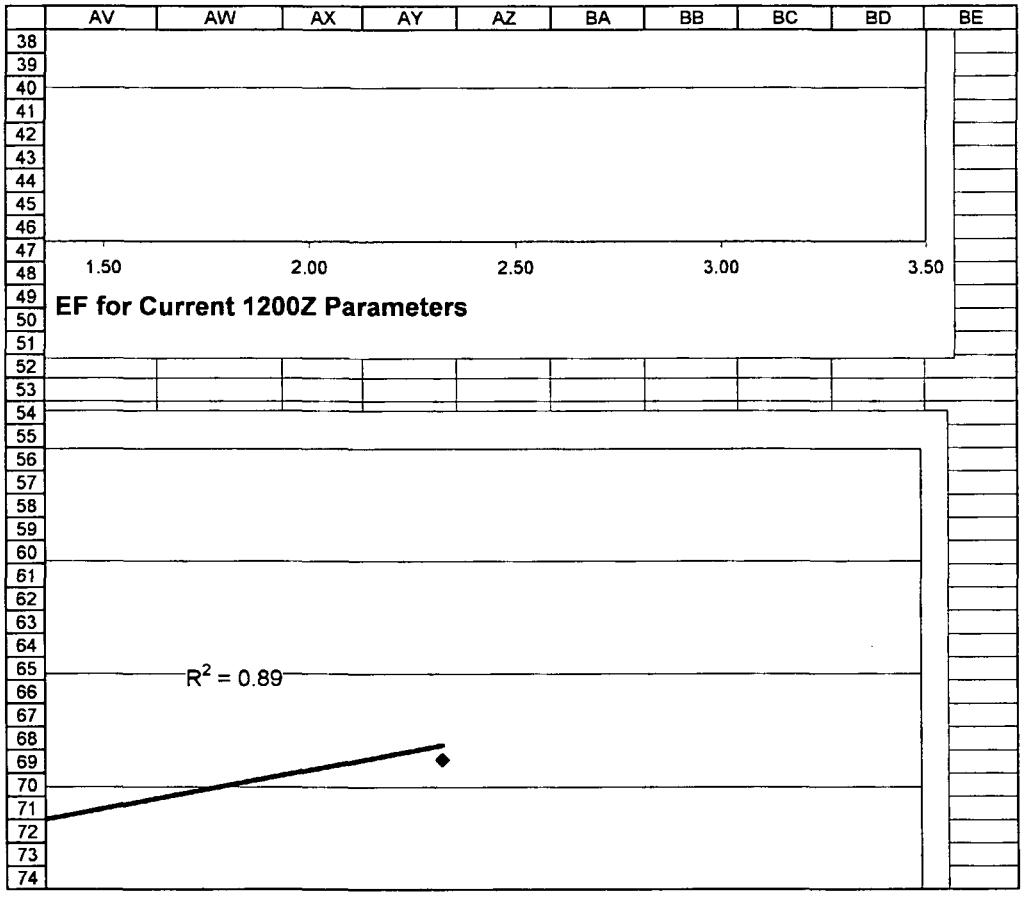

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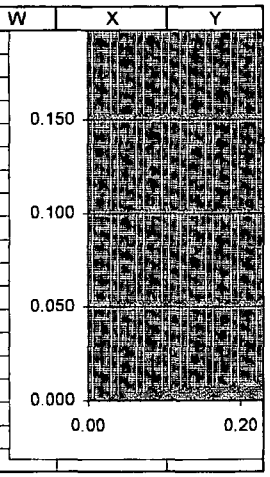

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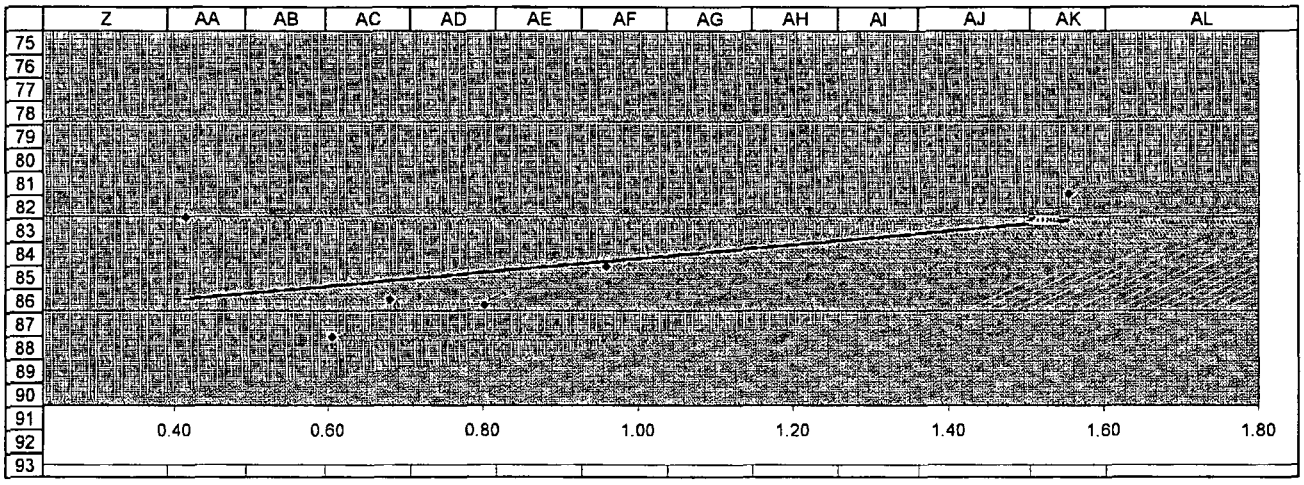

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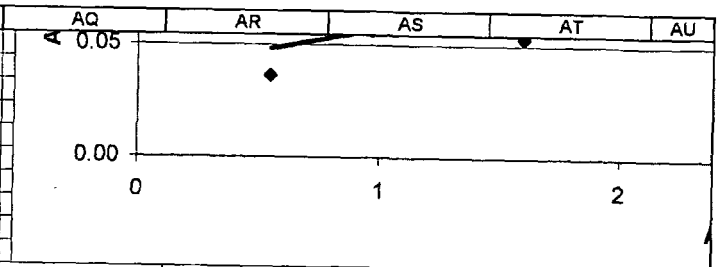

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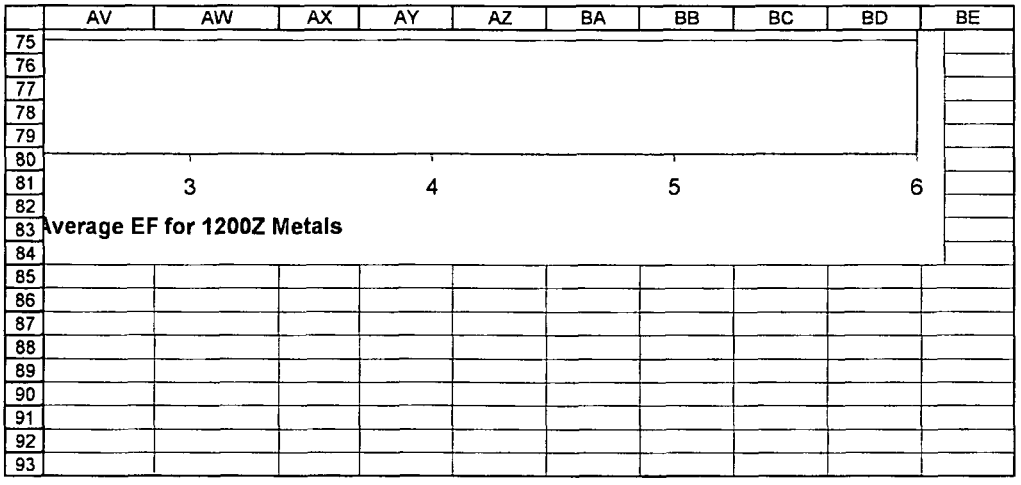

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