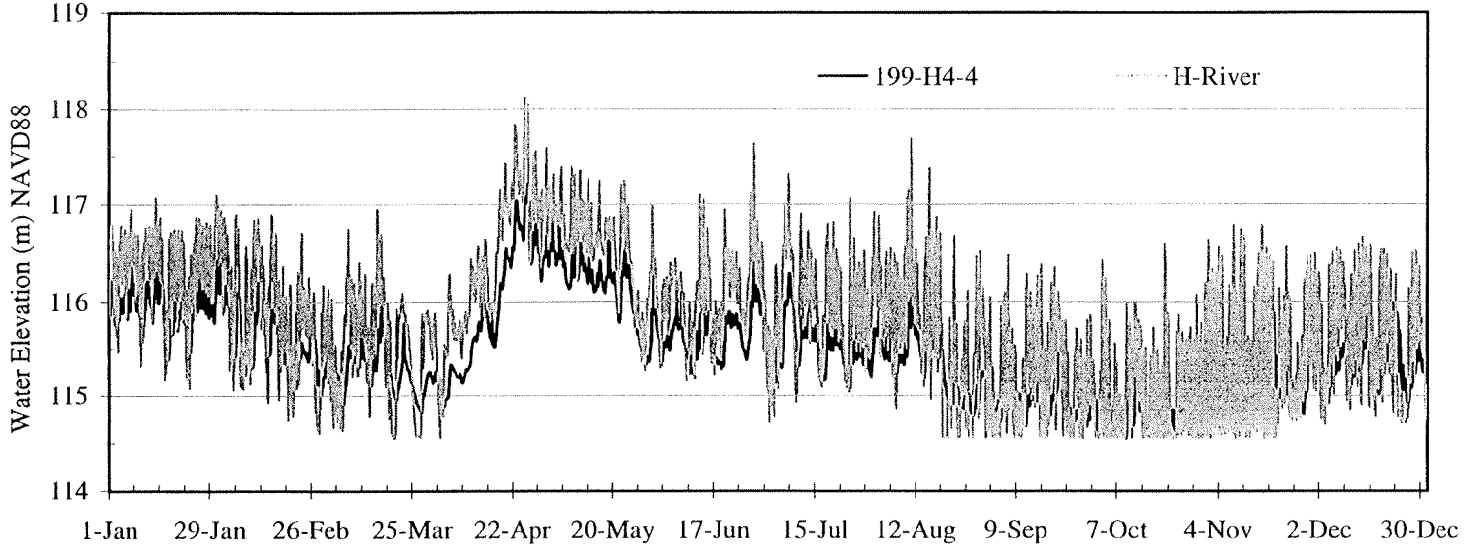
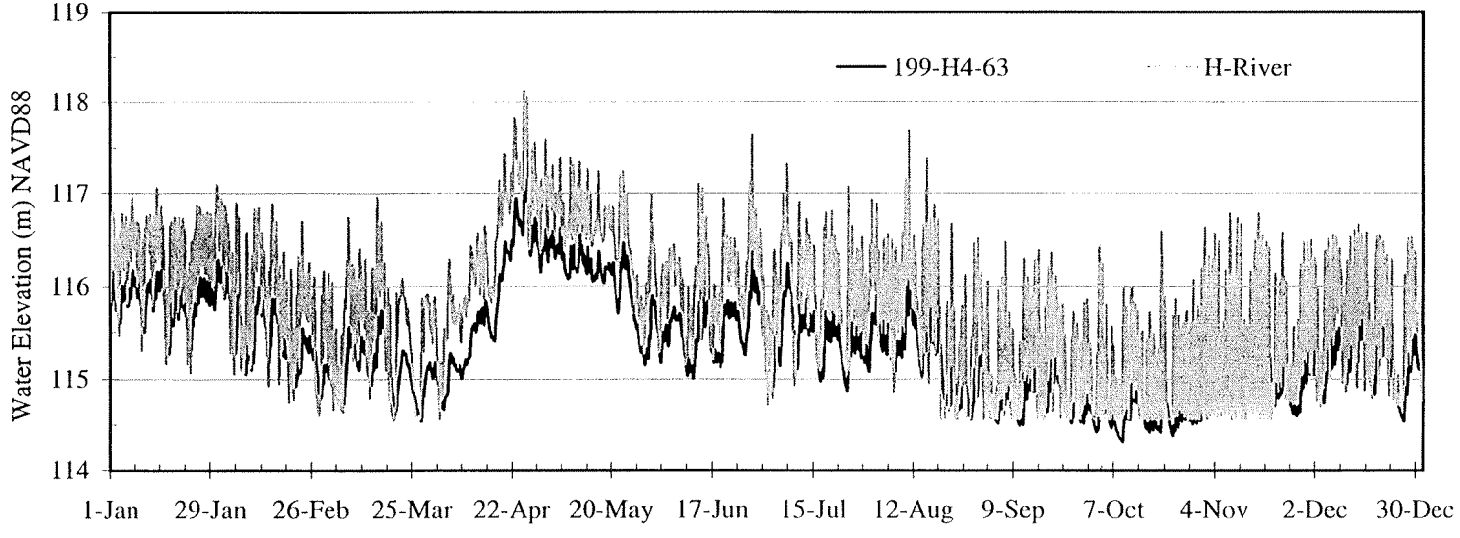
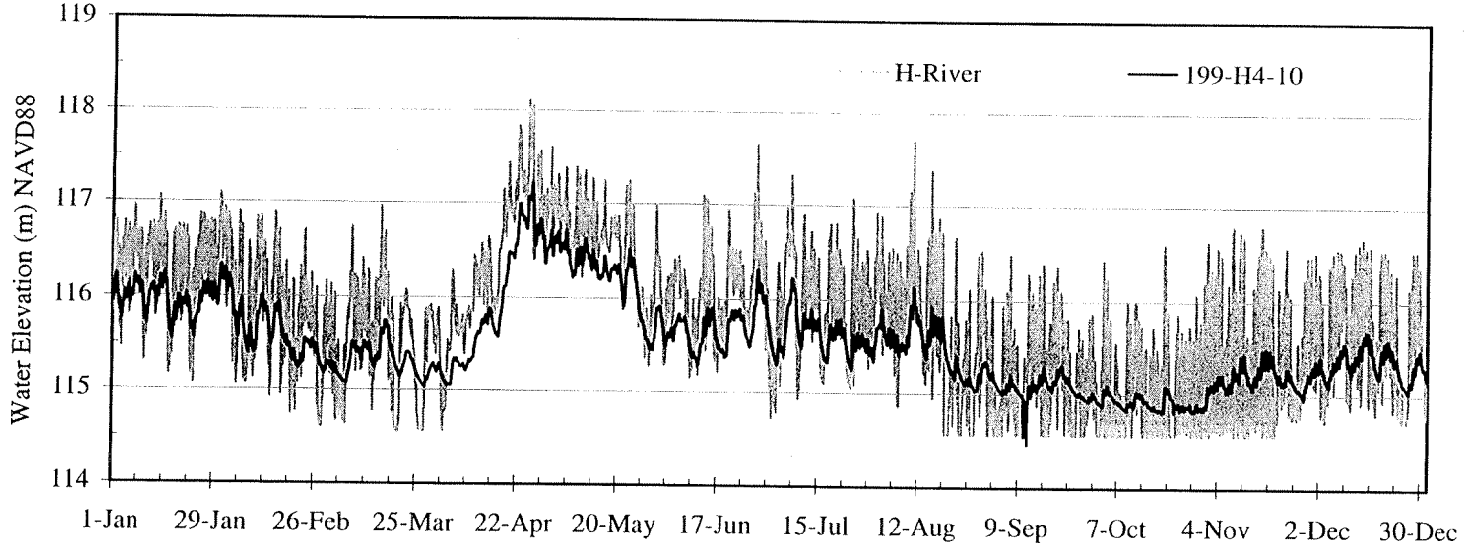
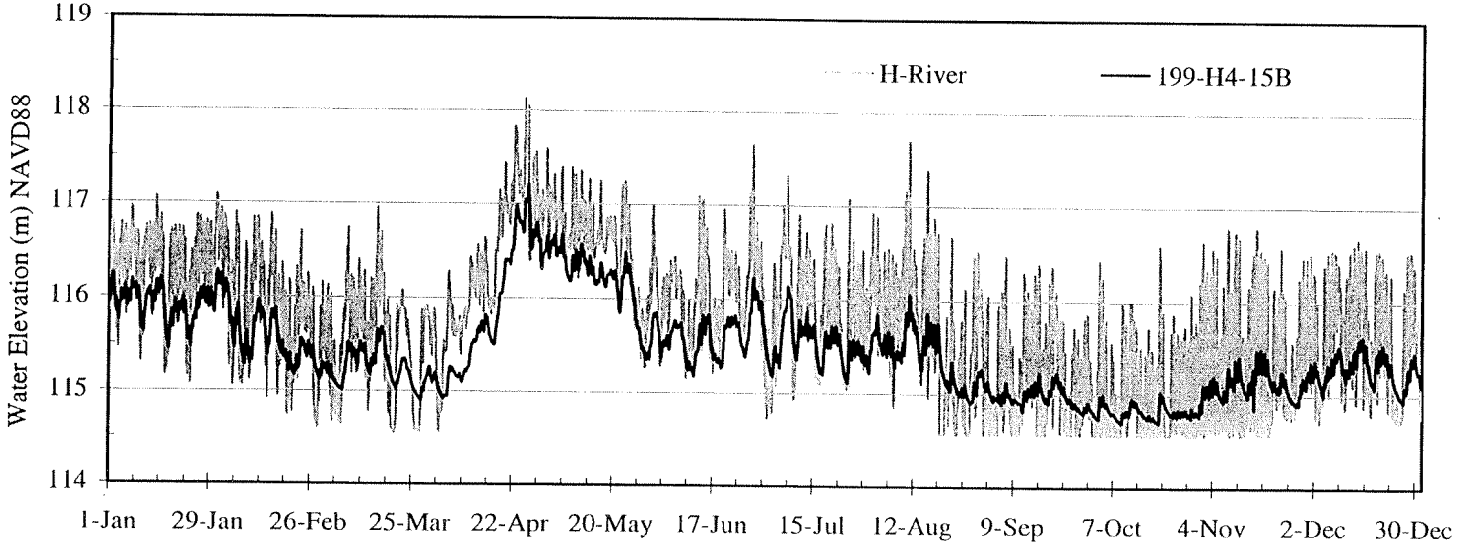
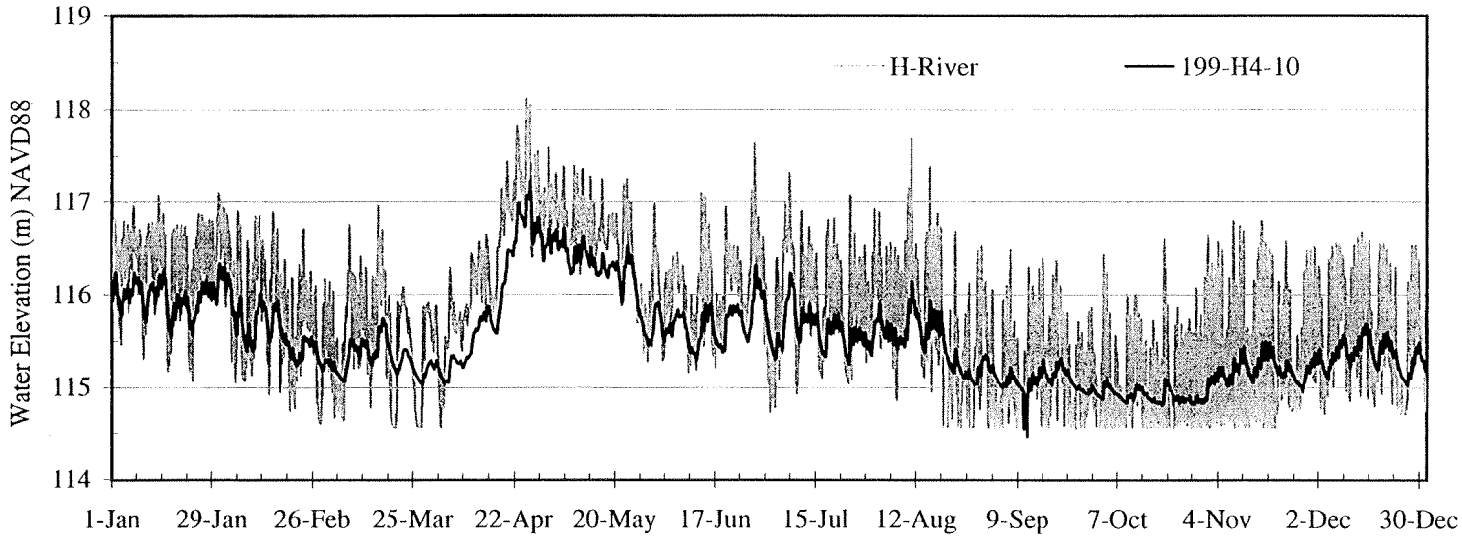
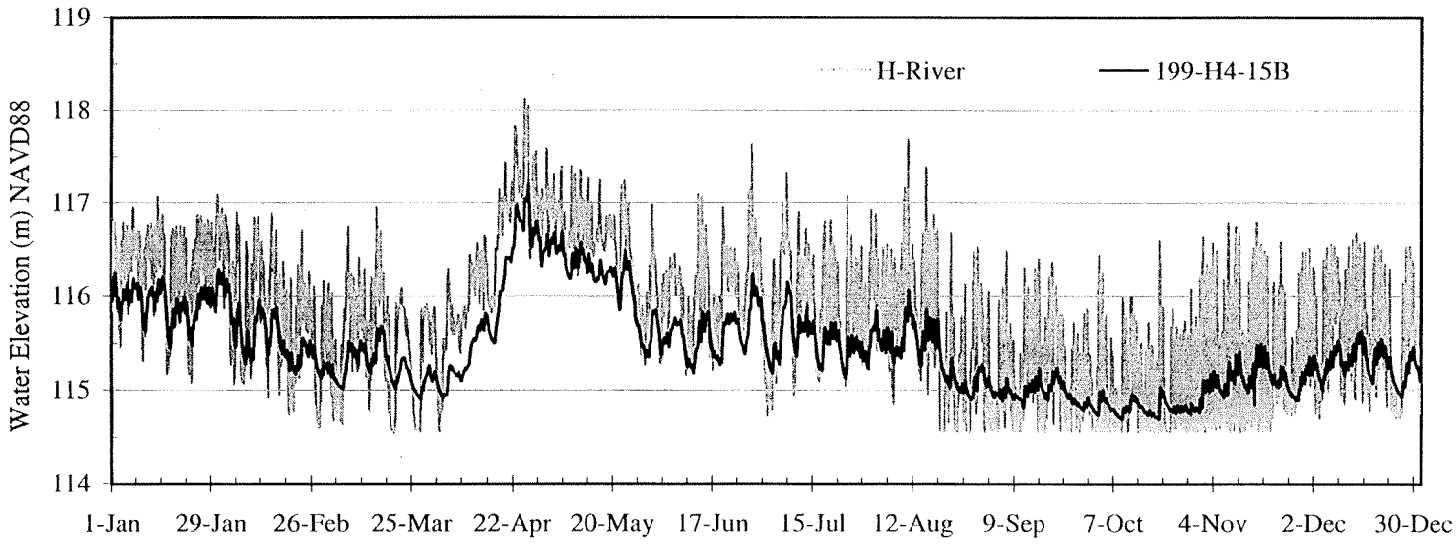

199-H4-4
H-River
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

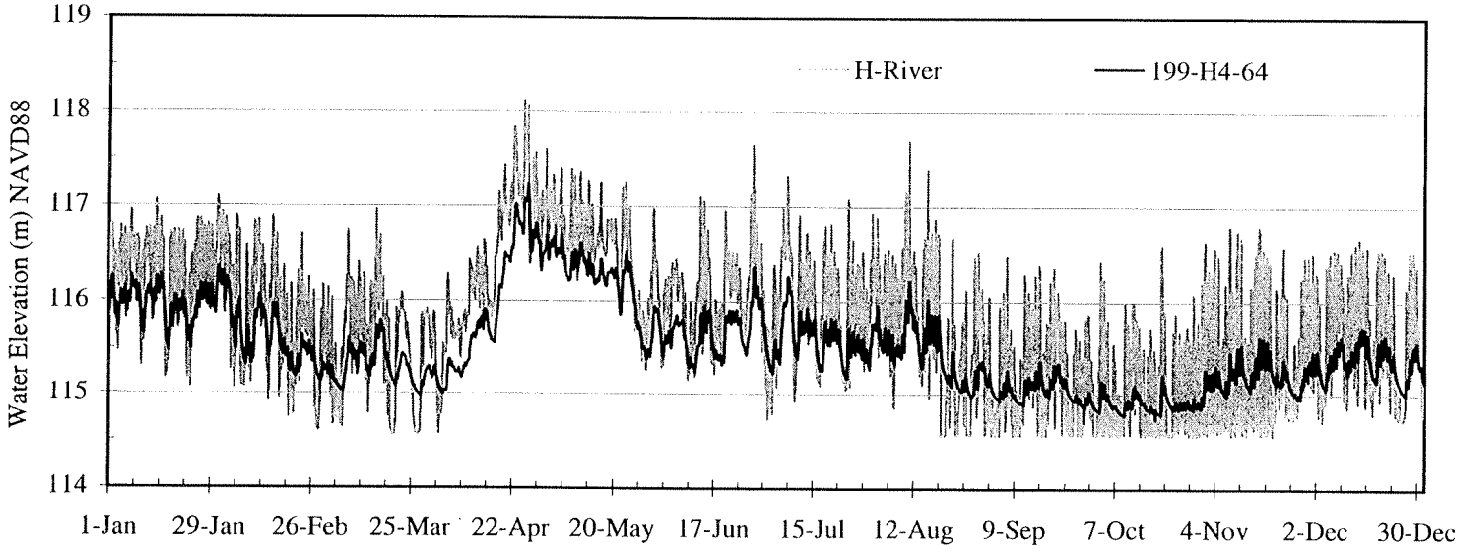

199-H4-63
H-River
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

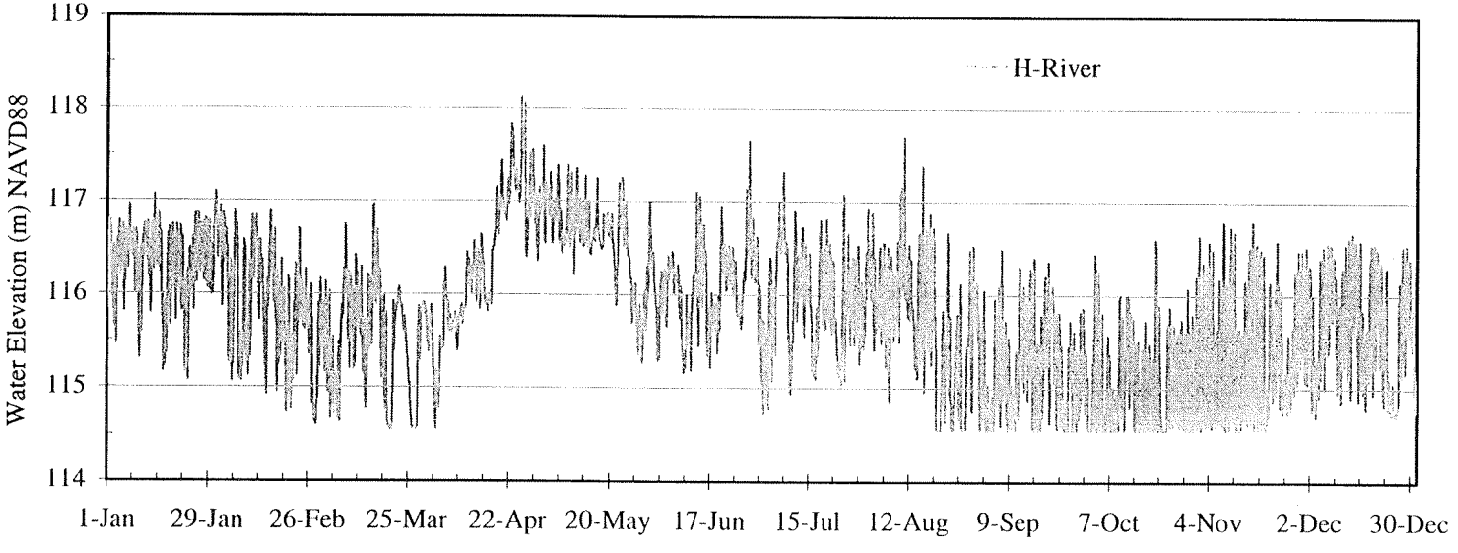

119
118
117
116
115
114
Water Elevation (m) NAVD88
H-River
199-H4-10
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

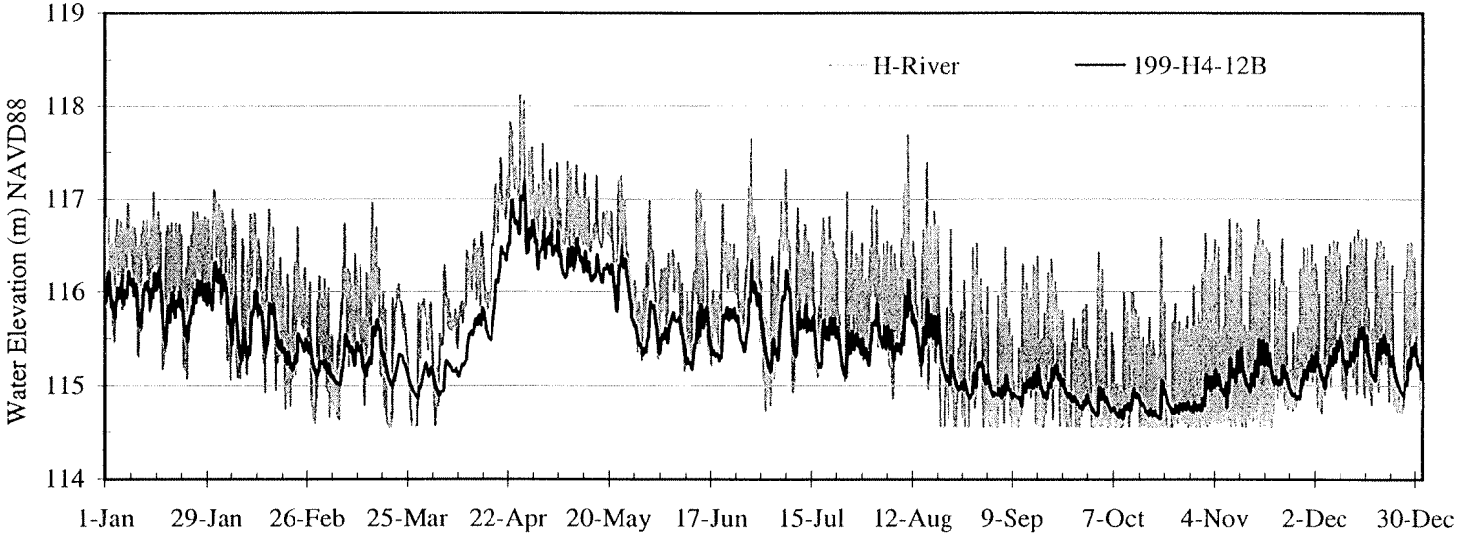

119
118
117
116
115
114
Water Elevation (m) NAVD88
H-River
199-H4-15B
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

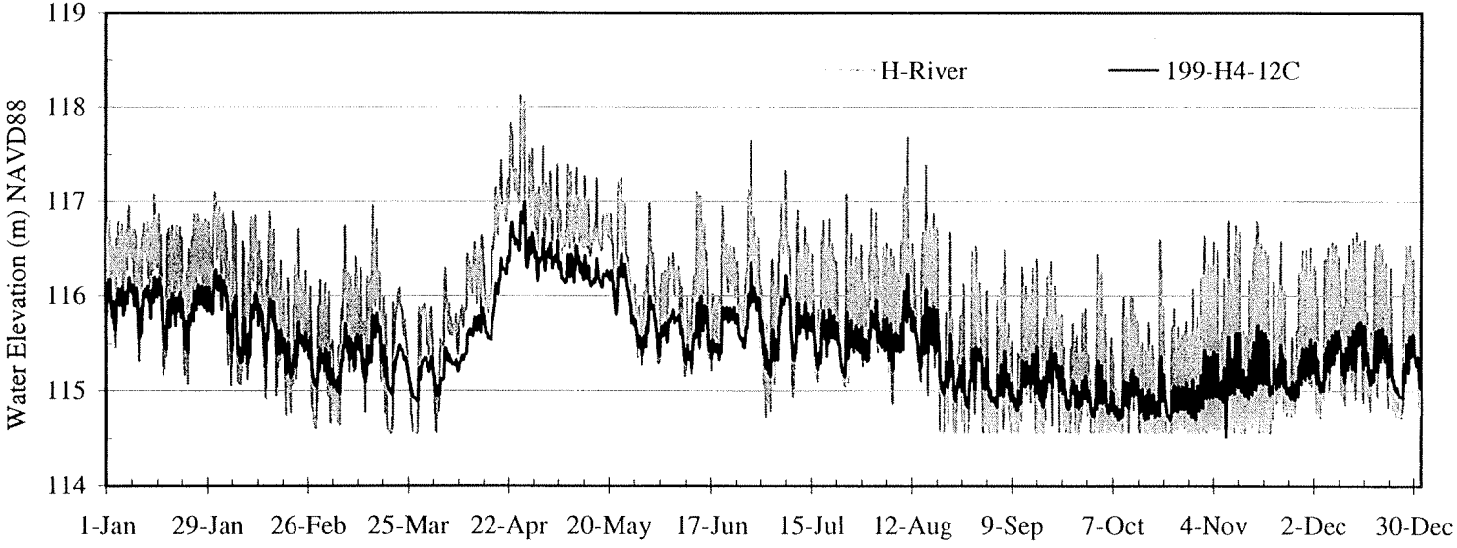

H-River
199-H4-10
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

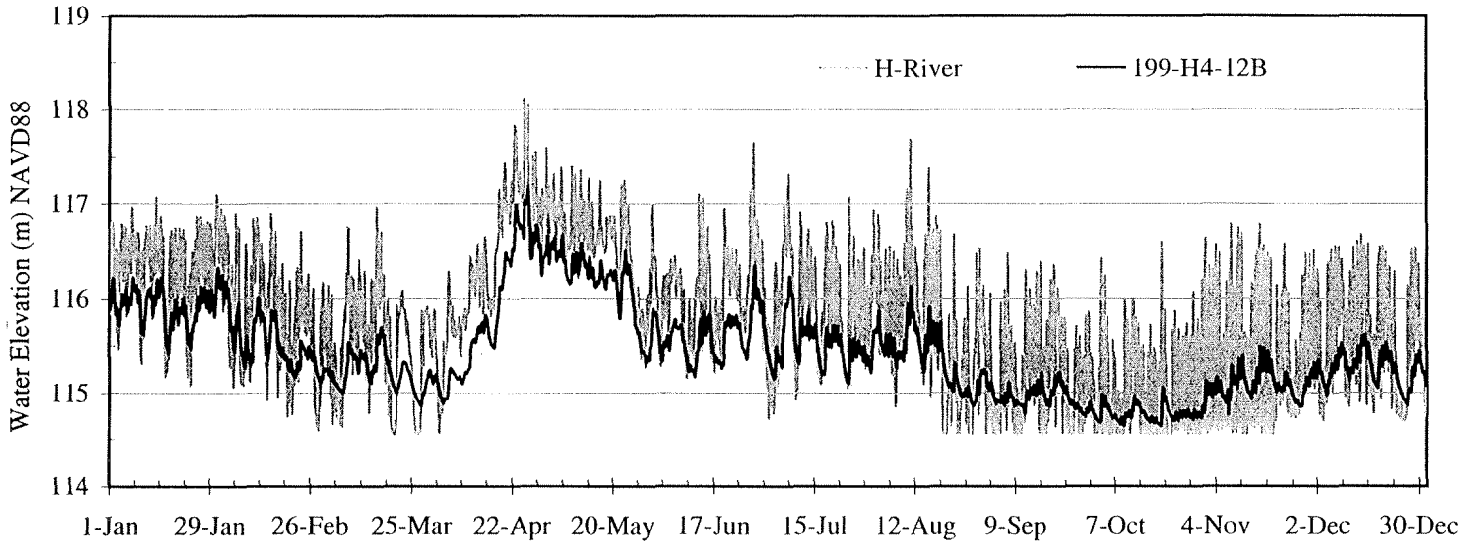

H-River
199-H4-15B
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

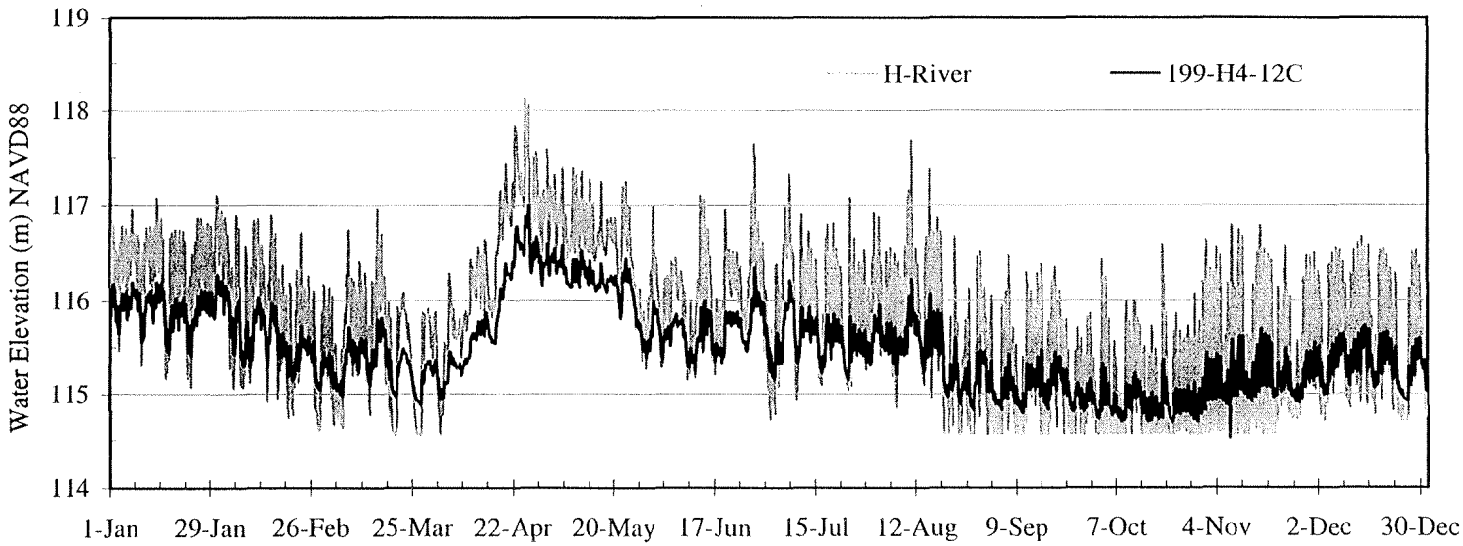

H-River
199-H4-64
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

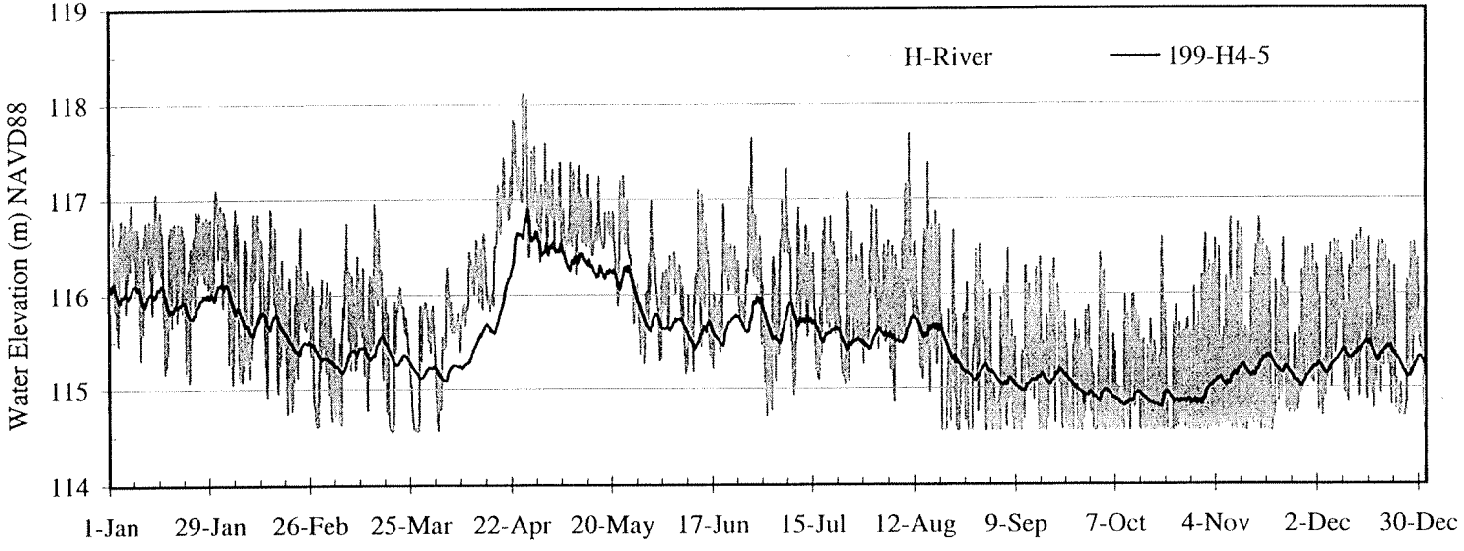

H-River
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

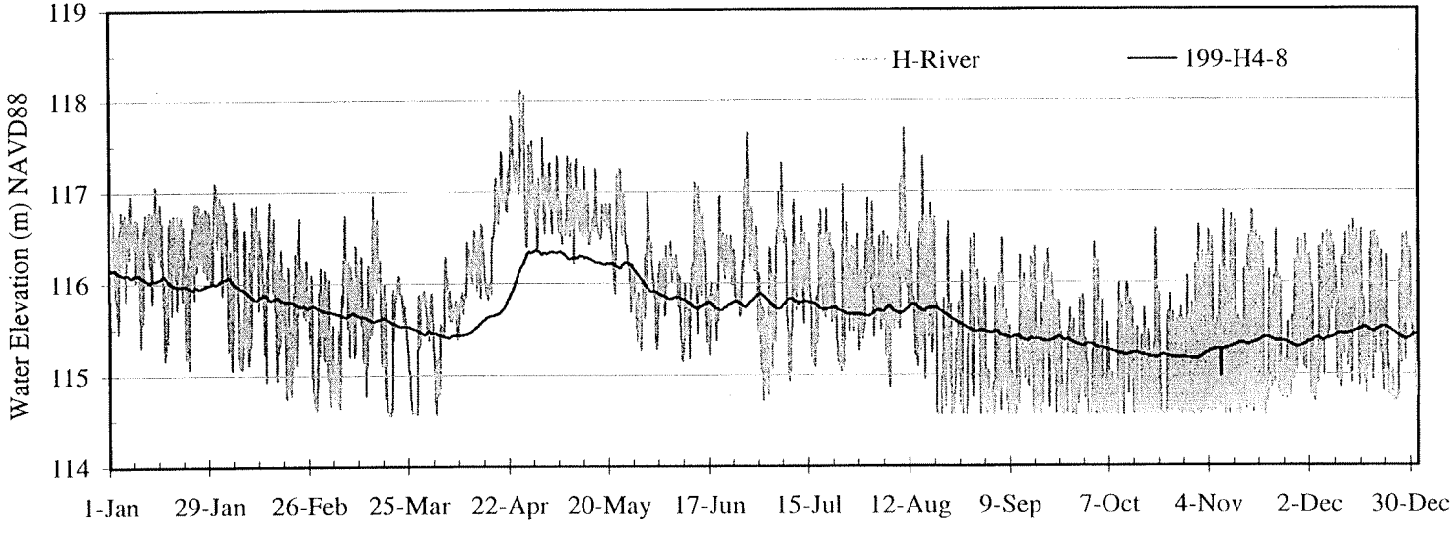

H-River
199-H4-12B
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

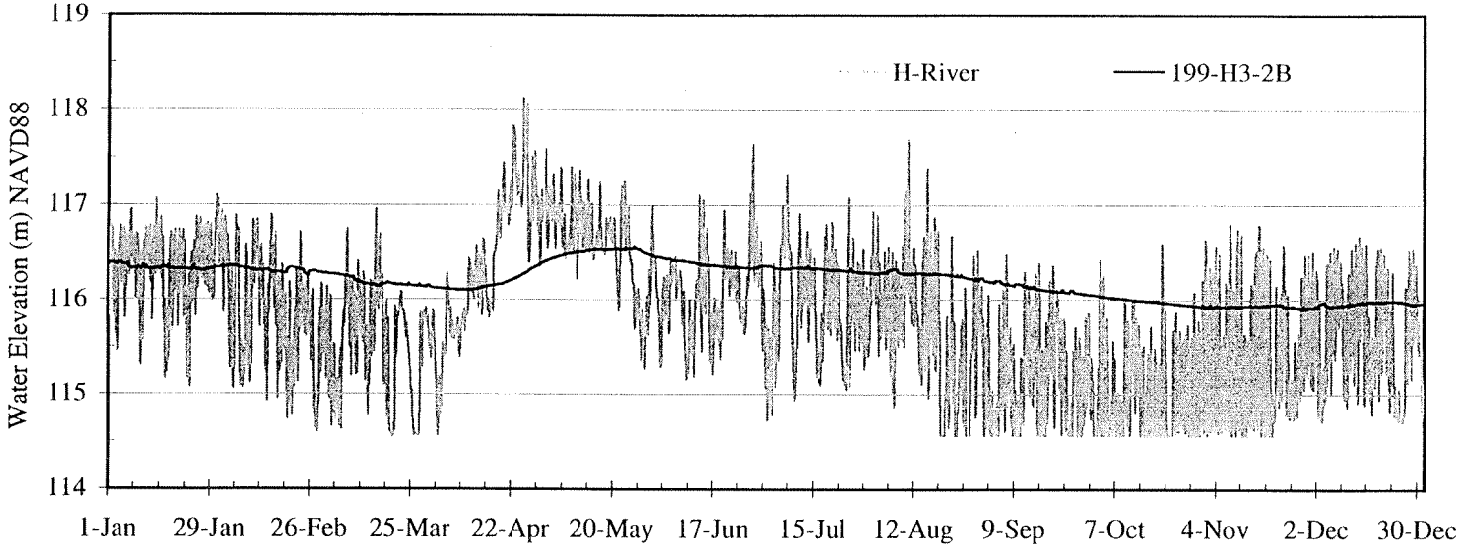

H-River
199-H4-12C
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

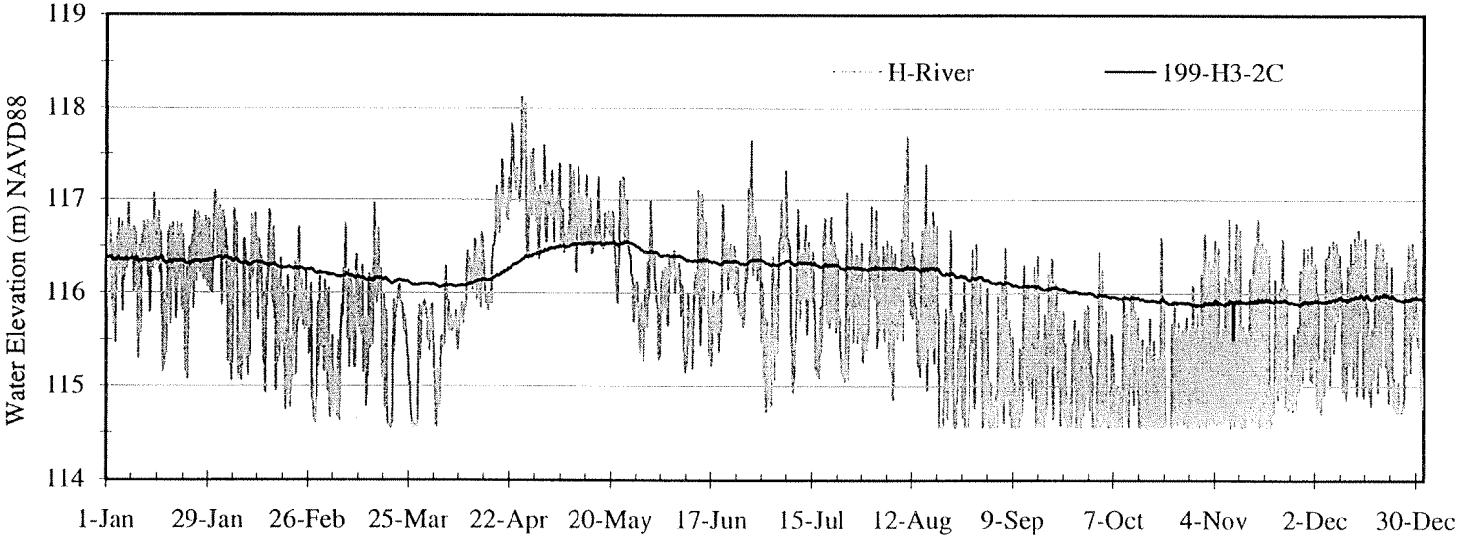

H-River
199-H4-12B
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

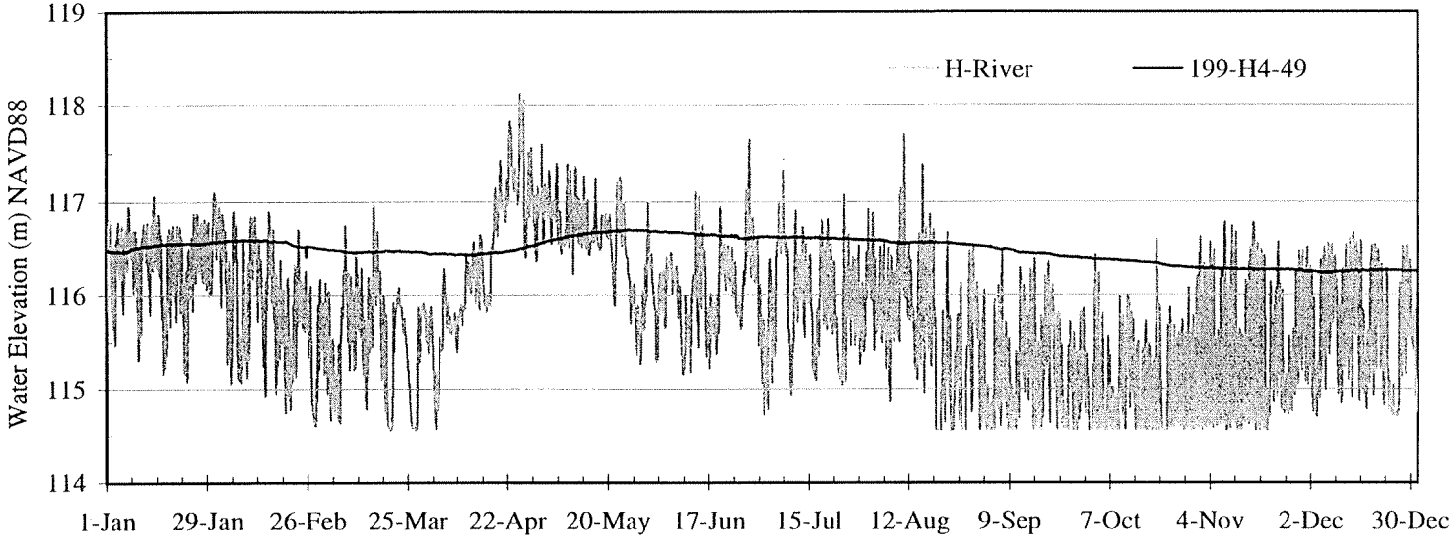

H-River
199-H4-12C
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

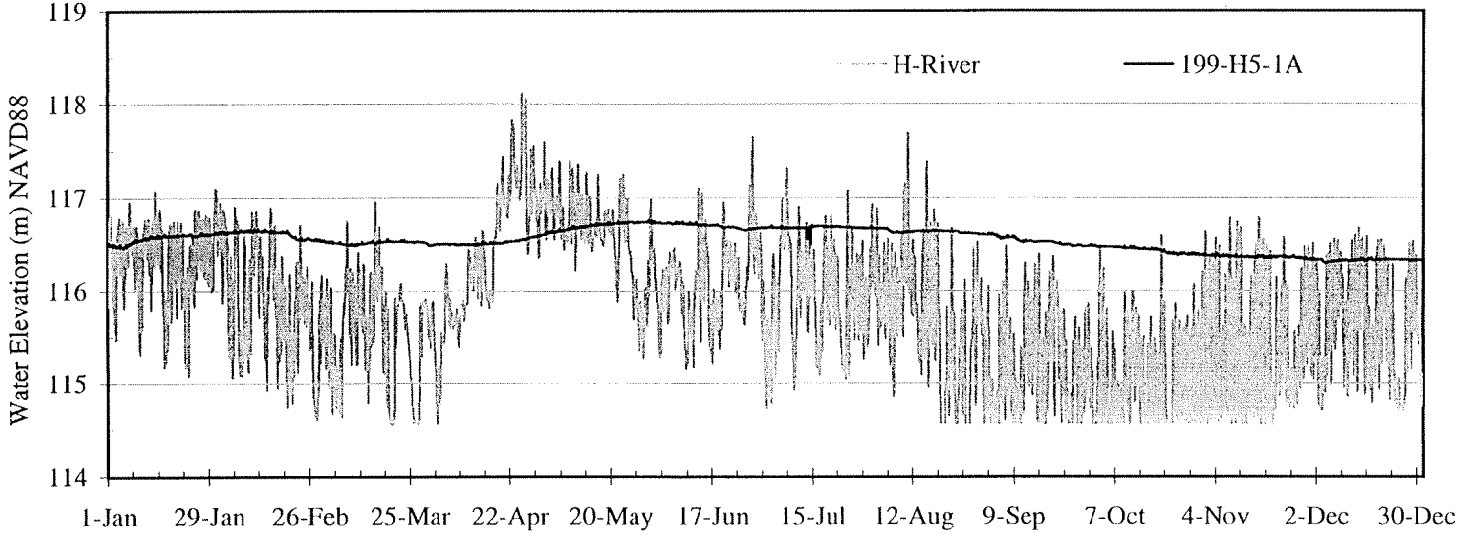

H-River
199-H4-5
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

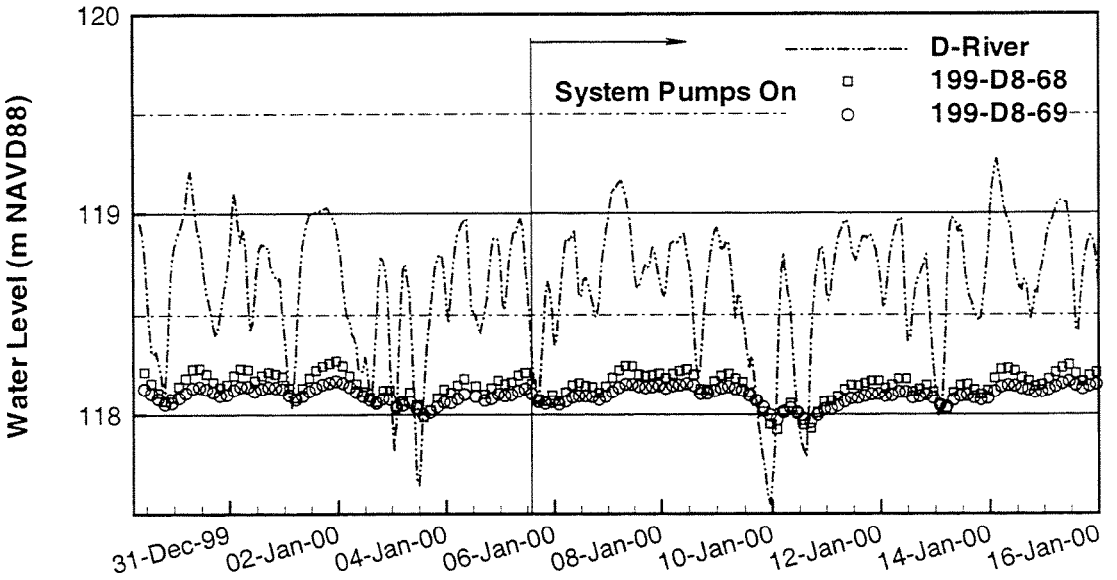

H-River
199-H4-8
Water Elevation (m) NAVD88
119
118
117
116
115
114
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

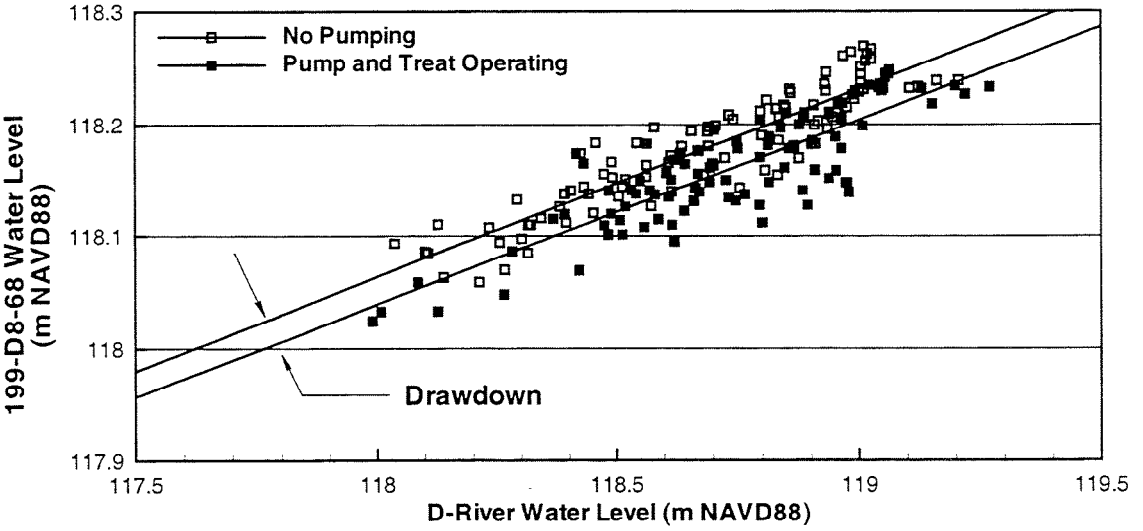

119
118
117
116
115
114
Water Elevation (m) NAVD88
H-River
199-H3-2B
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

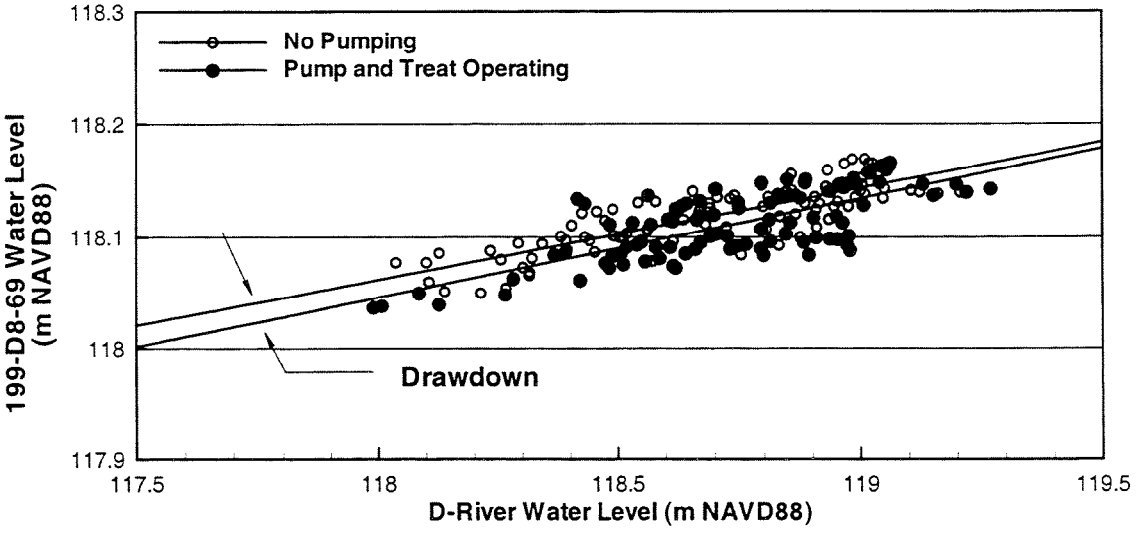

119
118
117
116
115
114
Water Elevation (m) NAVD88
H-River
199-H3-2C
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

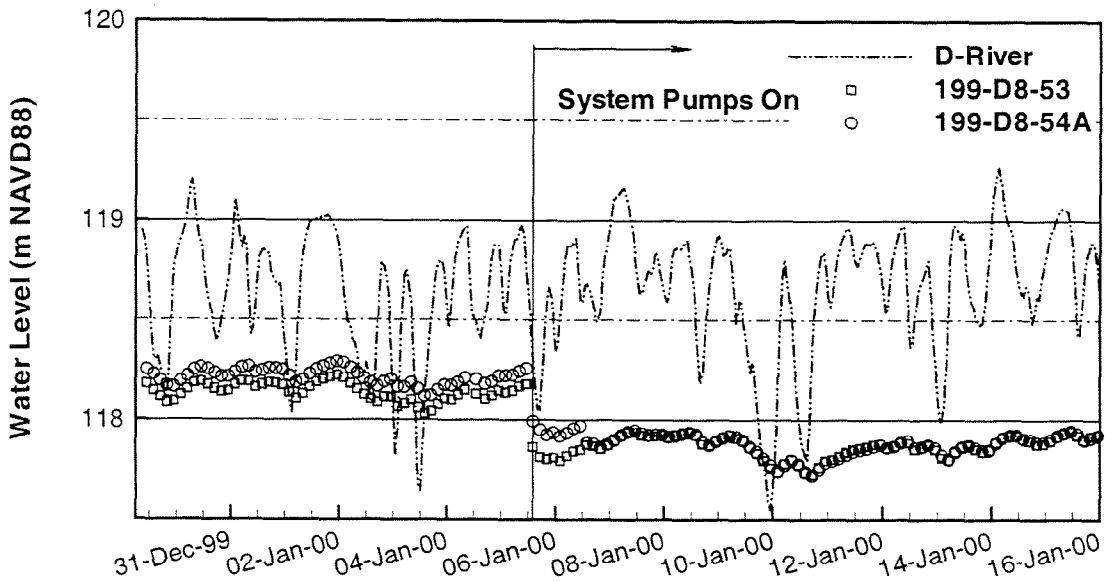

119
118
117
116
115
114
Water Elevation (m) NAVD88
H-River
199-H4-49
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec


119
118
117
116
115
114
Water Elevation (m) NAVD88
H-River
199-H5-1A
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec


120
119
118
Water Level (m NAVD88)
System Pumps On
D-River
199-D8-68
199-D8-69
31-Dec-99
02-Jan-00
04-Jan-00
06-Jan-00
08-Jan-00
10-Jan-00
12-Jan-00
14-Jan-00
16-Jan-00


118.3
118.2
118.1
118
117.9
199-D8-68 Water Level (m NAVD88)
No Pumping
Pump and Treat Operating
Drawdown
117.5
118
118.5
119
119.5
D-River Water Level (m NAVD88)


118.3
118.2
118.1
118
117.9
199-D8-69 Water Level (m NAVD88)
No Pumping
Pump and Treat Operating
Drawdown
117.5
118
118.5
119
119.5
D-River Water Level (m NAVD88)


120
119
118
Water Level (m NAVD88)
System Pumps On
D-River
199-D8-53
199-D8-54A
31-Dec-99
02-Jan-00
04-Jan-00
06-Jan-00
08-Jan-00
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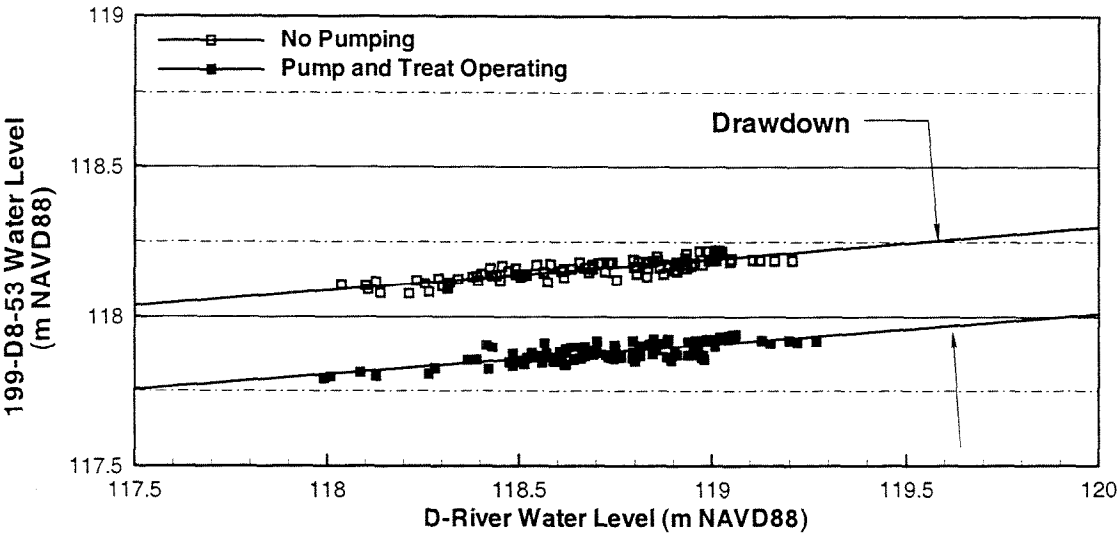
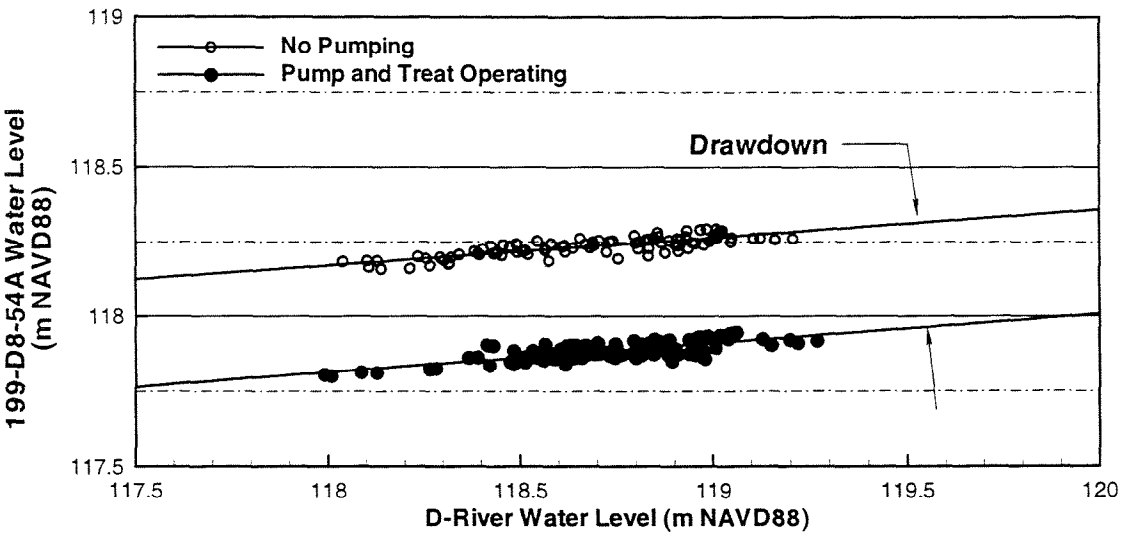
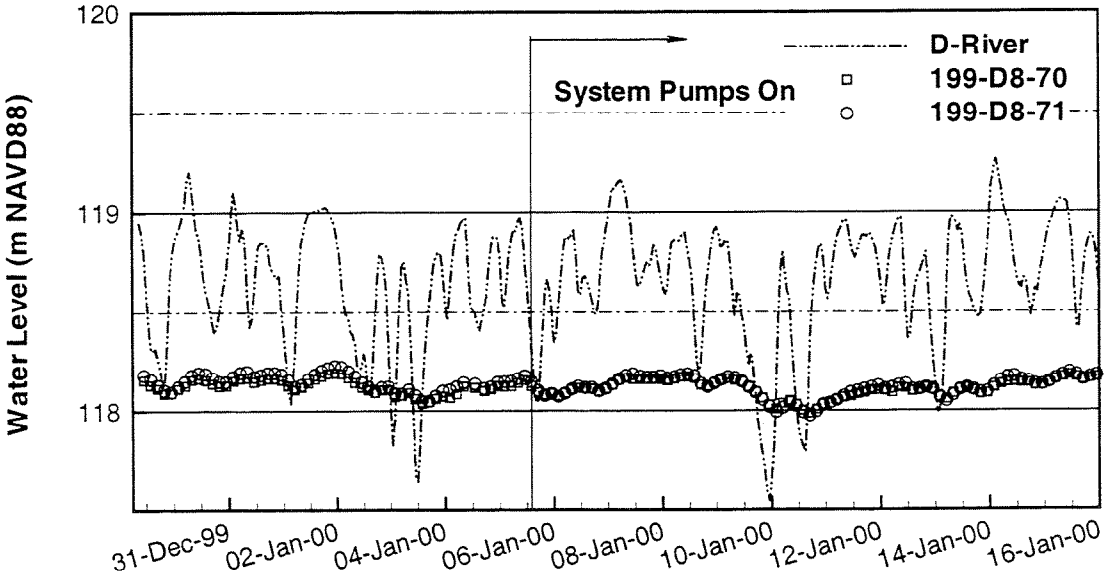
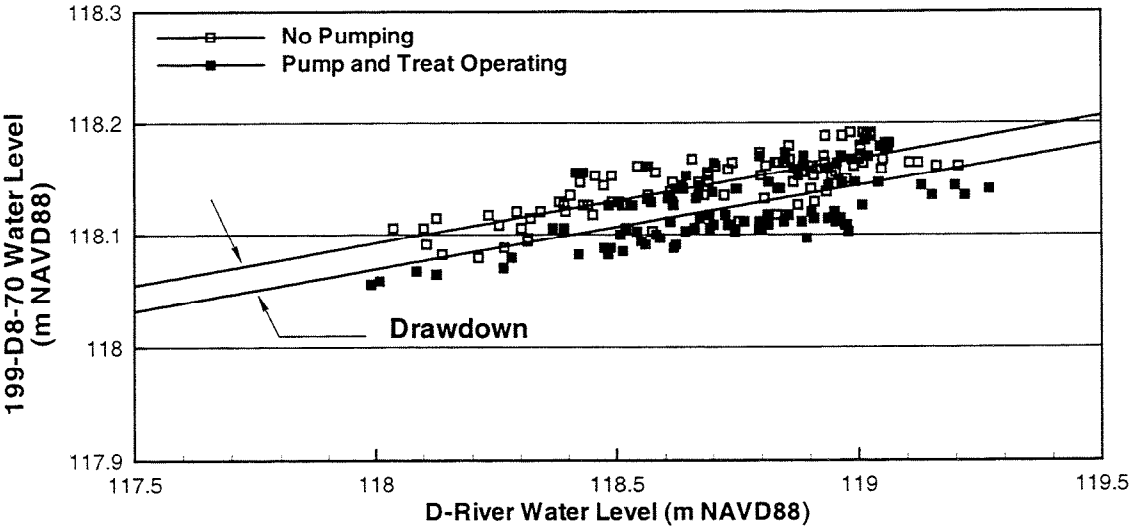
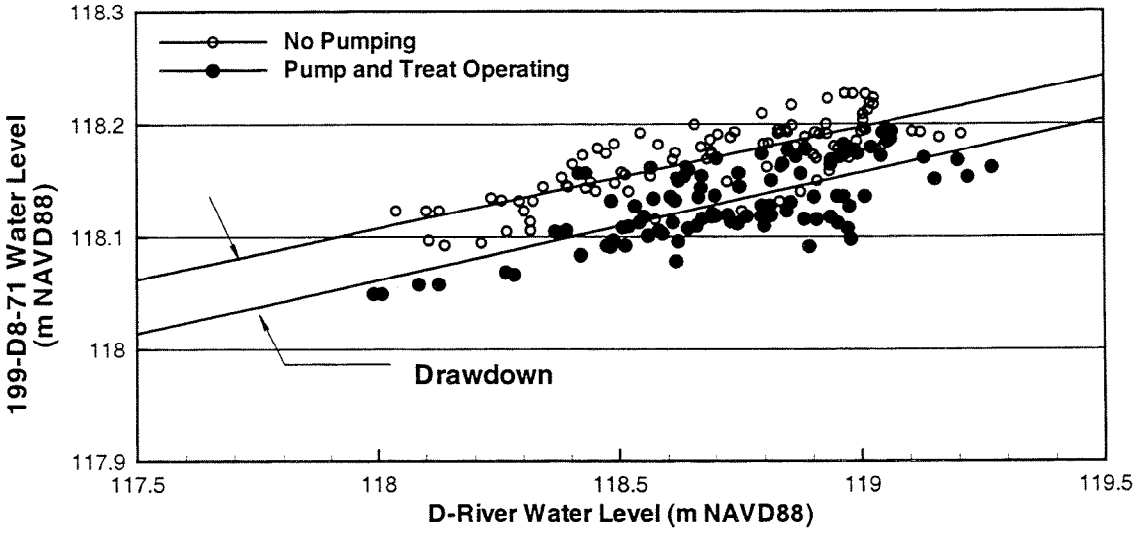
12-Jan-00
14-Jan-00
16-Jan-00

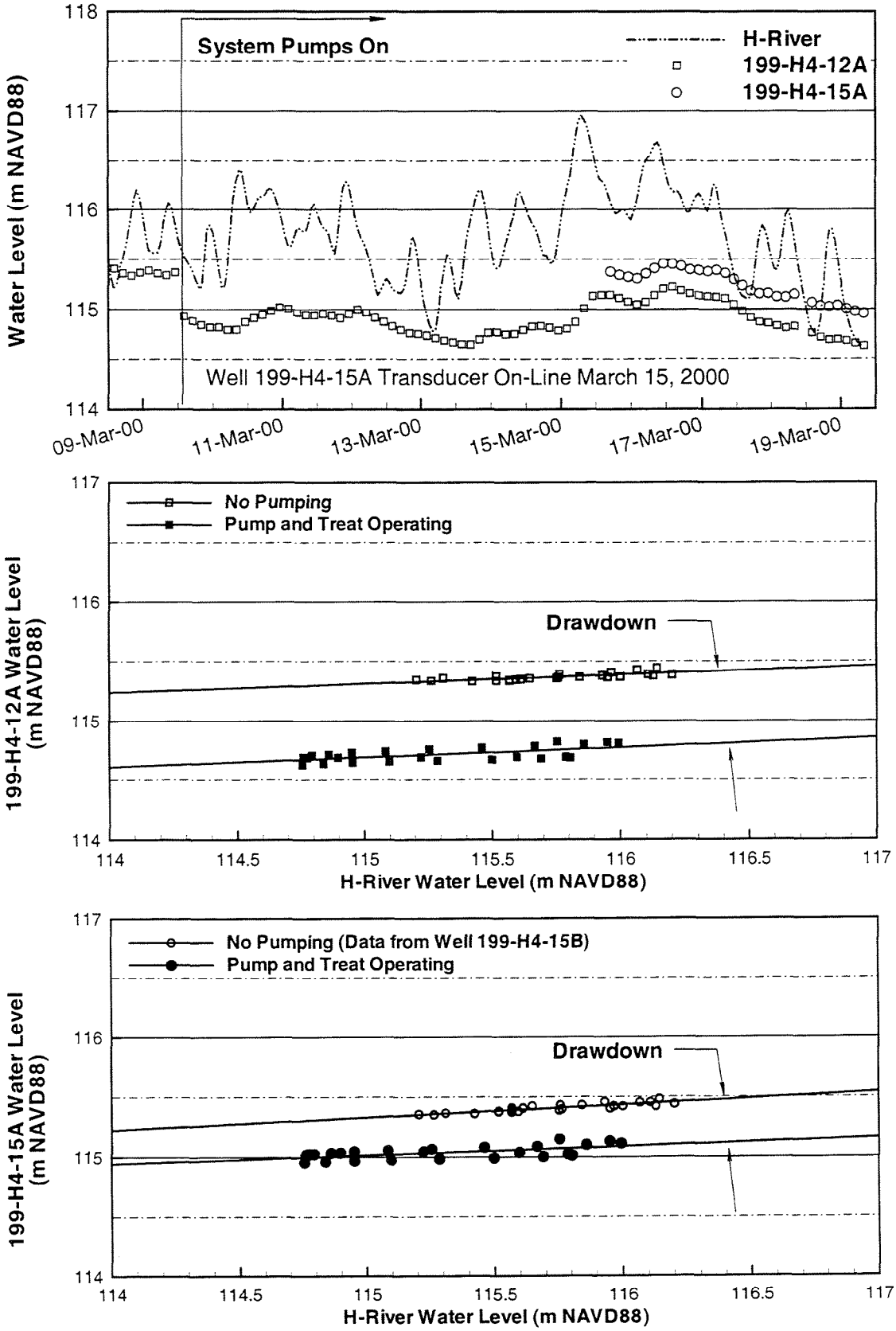

No Pumping
Pump and Treat Operating
Drawdown
199-D8-53 Water Level (m NAVD88)
119
118.5
118
117.5
117.5
118
118.5
119
119.5
120
D-River Water Level (m NAVD88)

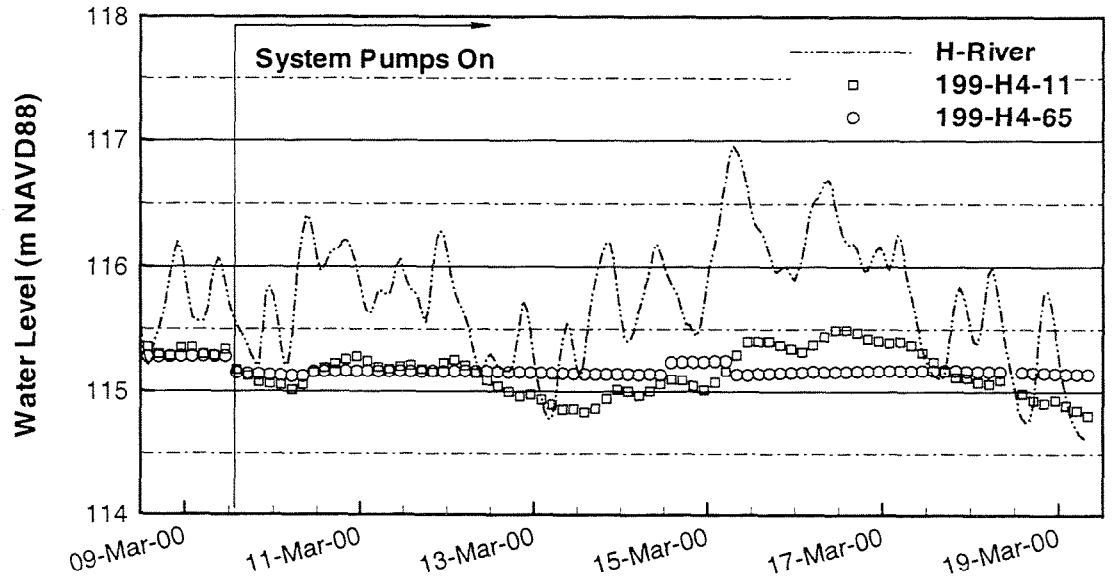

No Pumping
Pump and Treat Operating
Drawdown
199-D8-54A Water Level (m NAVD88)
119
118.5
118
117.5
117.5
118
118.5
119
119.5
120
D-River Water Level (m NAVD88)

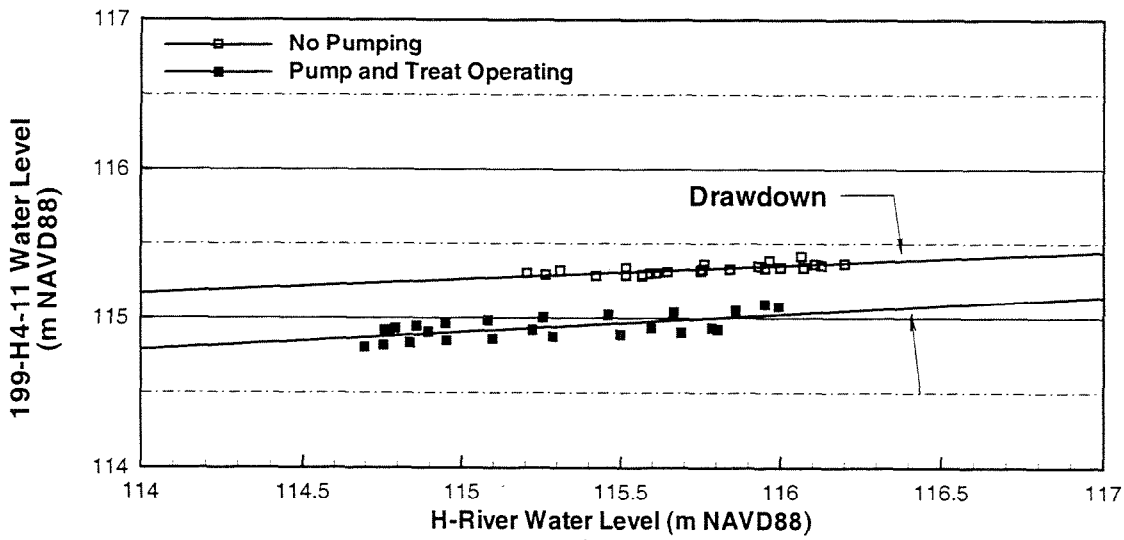

120
119
118
Water Level (m NAVD88)
System Pumps On
D-River
199-D8-70
199-D8-71
31-Dec-99
02-Jan-00
04-Jan-00
06-Jan-00
08-Jan-00
10-Jan-00
12-Jan-00
14-Jan-00
16-Jan-00

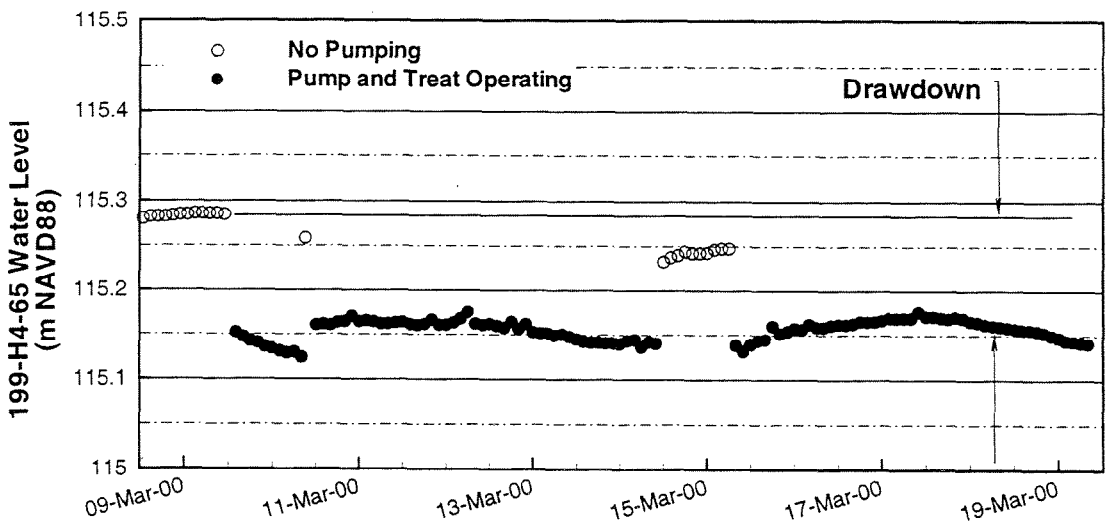

118.3
118.2
118.1
118
117.9
199-D8-70 Water Level (m NAVD88)
No Pumping
Pump and Treat Operating
Drawdown
117.5
118
118.5
119
119.5
D-River Water Level (m NAVD88)

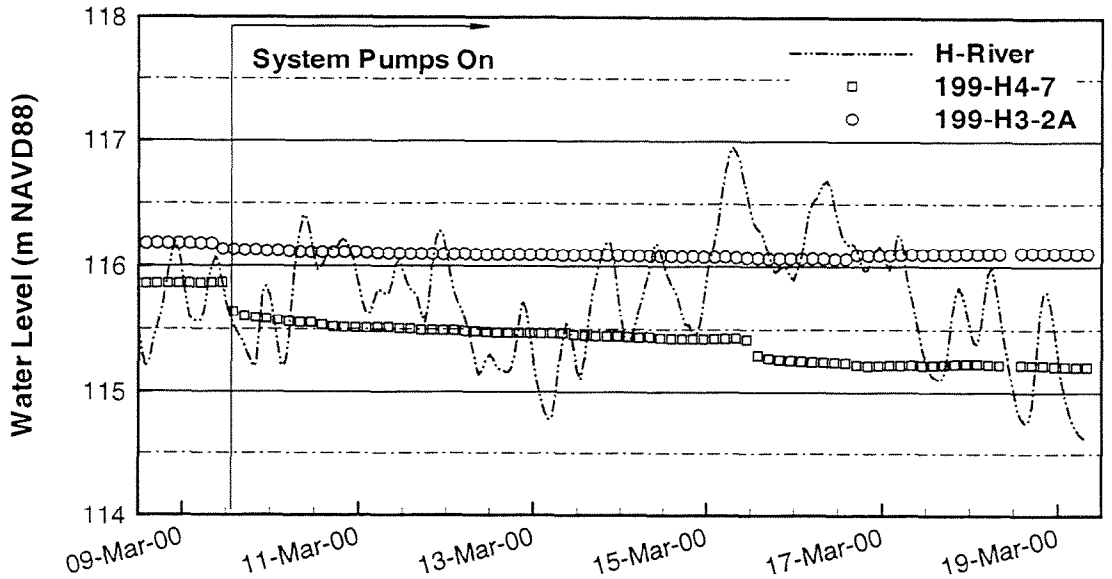

118.3
118.2
118.1
118
117.9
199-D8-71 Water Level (m NAVD88)
No Pumping
Pump and Treat Operating
Drawdown
117.5
118
118.5
119
119.5
D-River Water Level (m NAVD88)

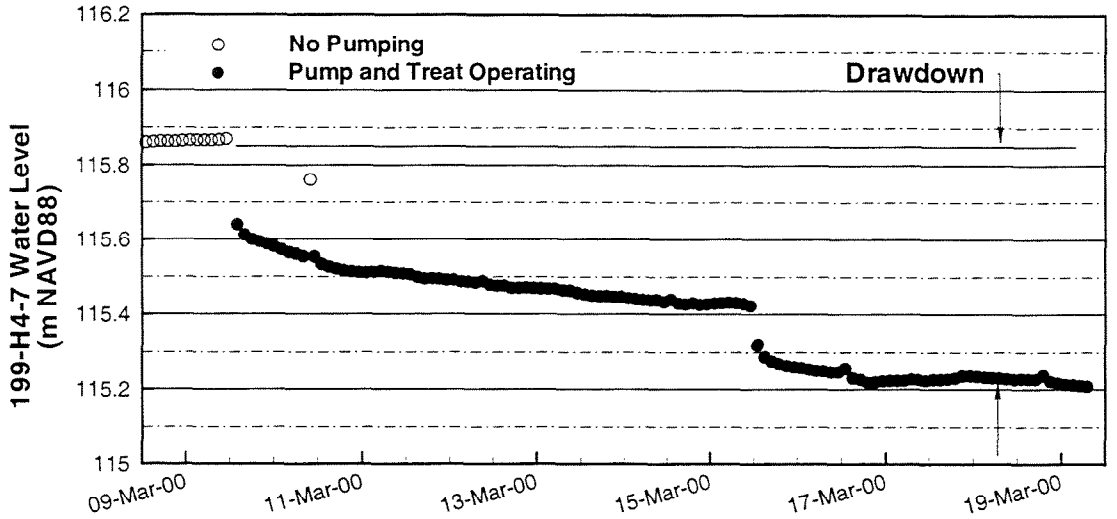

System Pumps On
H-River
199-H4-12A
199-H4-15A
Water Level (m NAVD88)
Well 199-H4-15A Transducer On-Line March 15, 2000
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00
No Pumping
Pump and Treat Operating
Drawdown
199-H4-12A Water Level (m NAVD88)
H-River Water Level (m NAVD88)
No Pumping (Data from Well 199-H4-15B)
Pump and Treat Operating
Drawdown
199-H4-15A Water Level (m NAVD88)
H-River Water Level (m NAVD88)

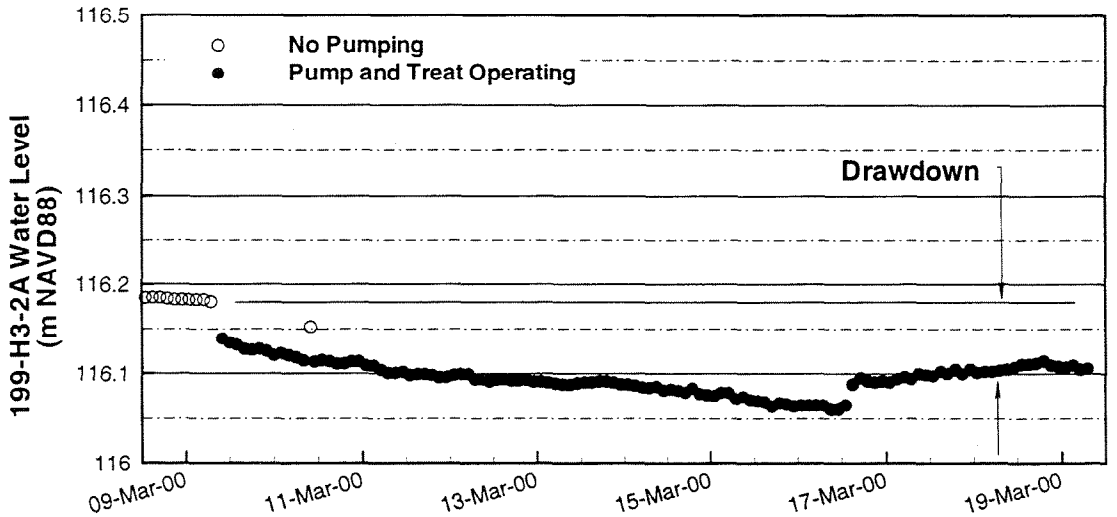

System Pumps On
H-River
199-H4-11
199-H4-65
Water Level (m NAVD88)
118
117
116
115
114
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

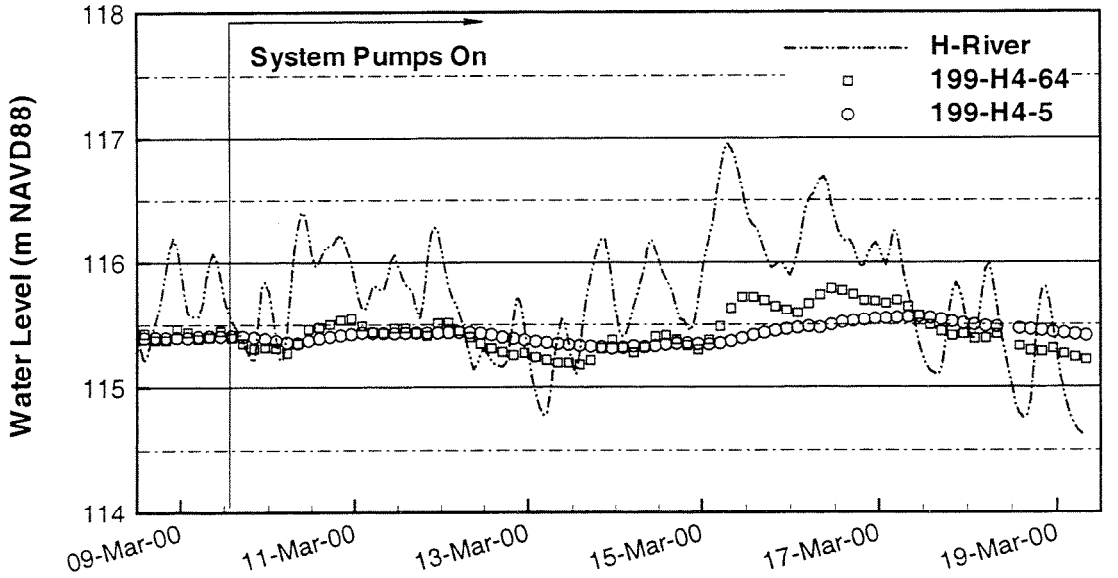

No Pumping
Pump and Treat Operating
Drawdown
199-H4-11 Water Level (m NAVD88)
117
116
115
114
114
114.5
115
115.5
116
116.5
117
H-River Water Level (m NAVD88)

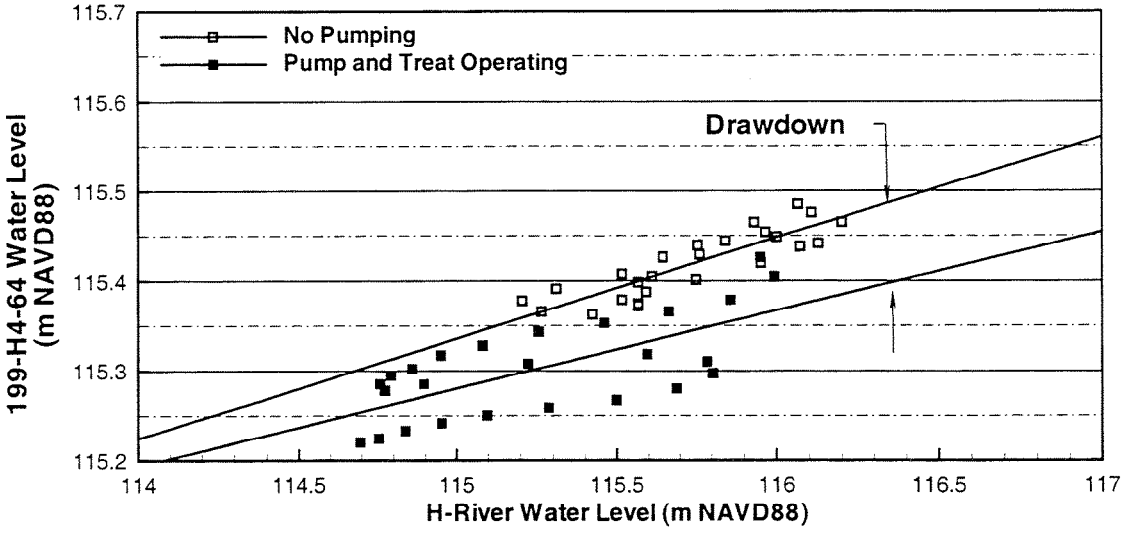

No Pumping
Pump and Treat Operating
Drawdown
199-H4-65 Water Level (m NAVD88)
115.5
115.4
115.3
115.2
115.1
115
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

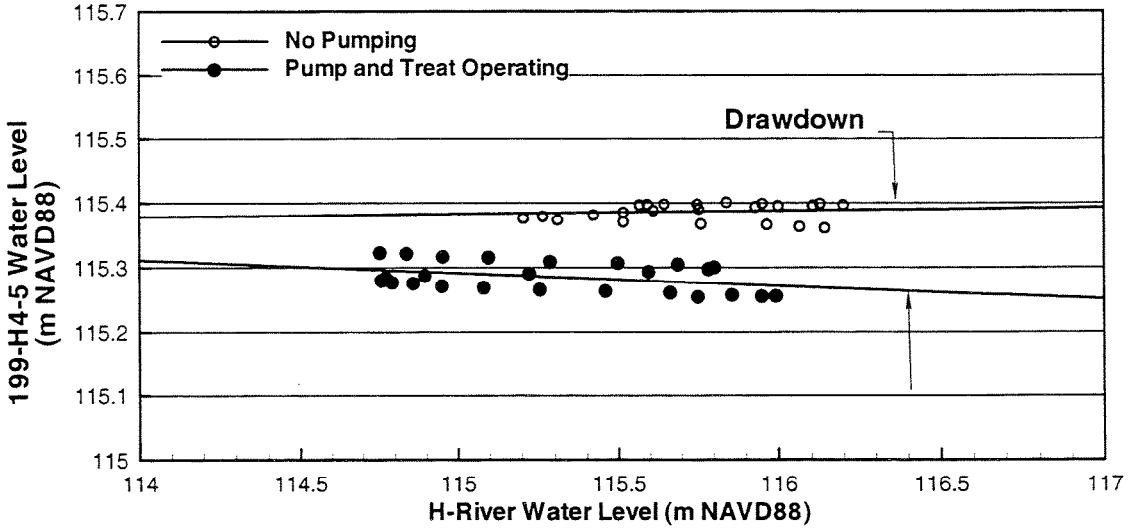

System Pumps On
H-River
199-H4-7
199-H3-2A
Water Level (m NAVD88)
118
117
116
115
114
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

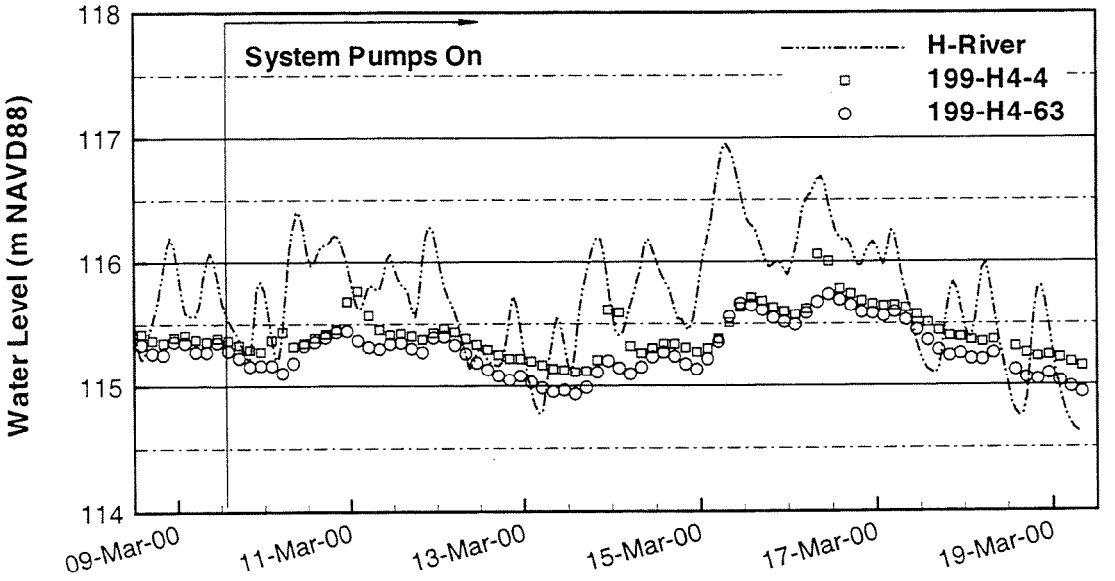

No Pumping
Pump and Treat Operating
Drawdown
199-H4-7 Water Level (m NAVD88)
116.2
116
115.8
115.6
115.4
115.2
115
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

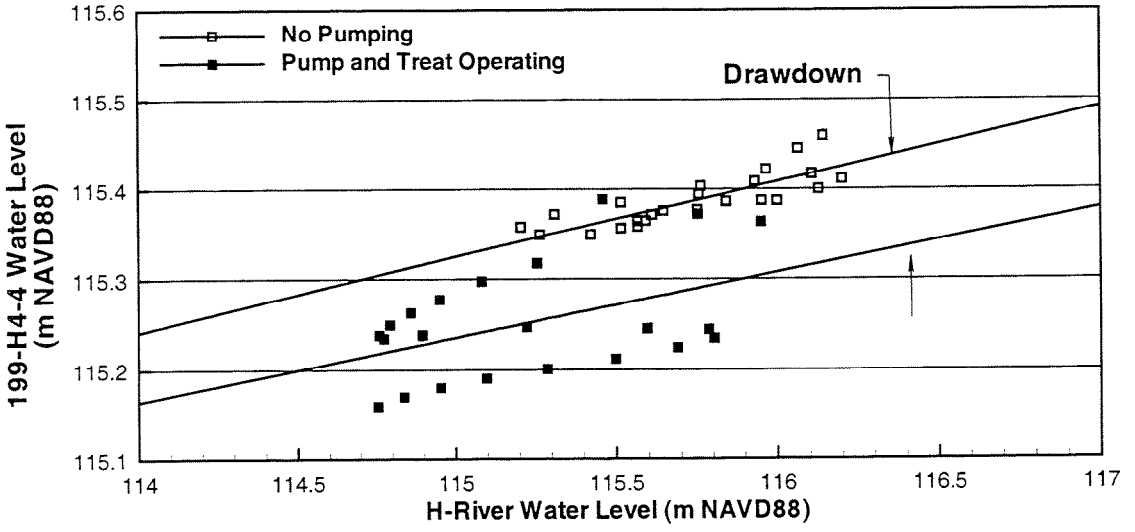

No Pumping
Pump and Treat Operating
Drawdown
199-H3-2A Water Level (m NAVD88)
116.5
116.4
116.3
116.2
116.1
116
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

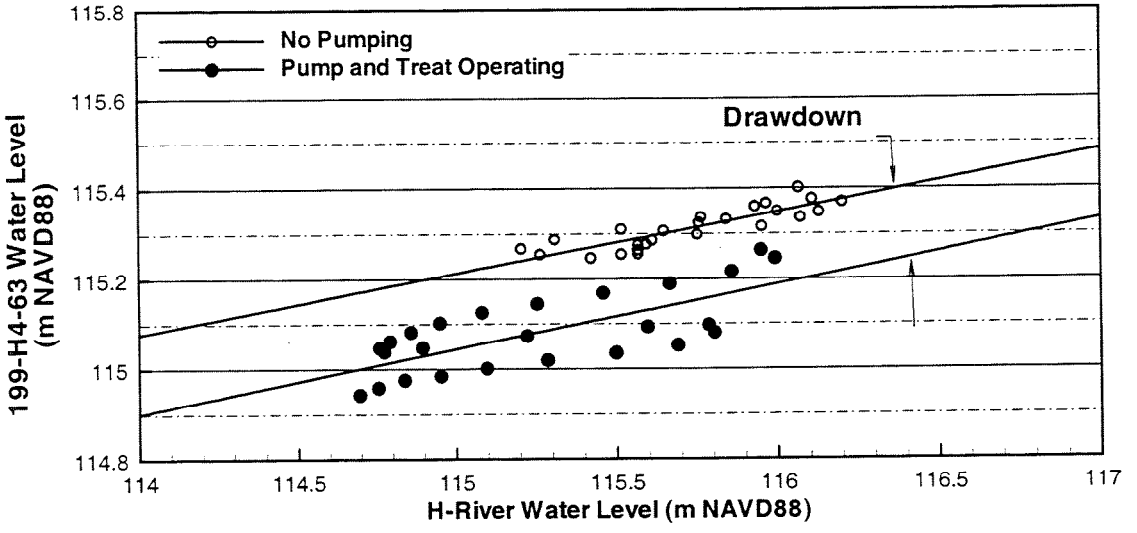

System Pumps On
H-River
199-H4-64
199-H4-5
Water Level (m NAVD88)
118
117
116
115
114
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

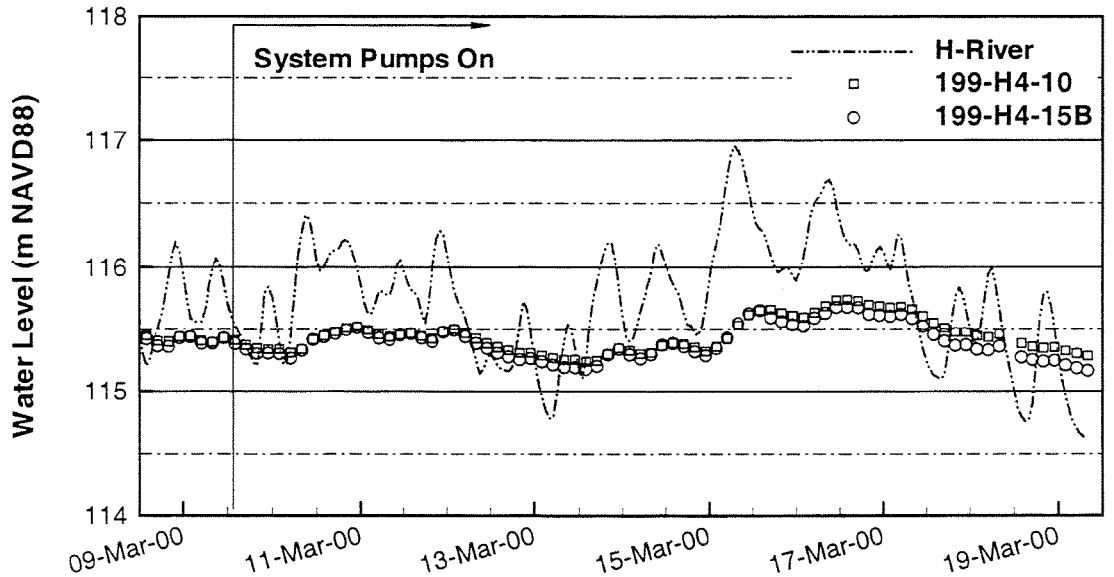

No Pumping
Pump and Treat Operating
Drawdown
199-H4-64 Water Level (m NAVD88)
115.7
115.6
115.5
115.4
115.3
115.2
114
114.5
115
115.5
116
116.5
117
H-River Water Level (m NAVD88)

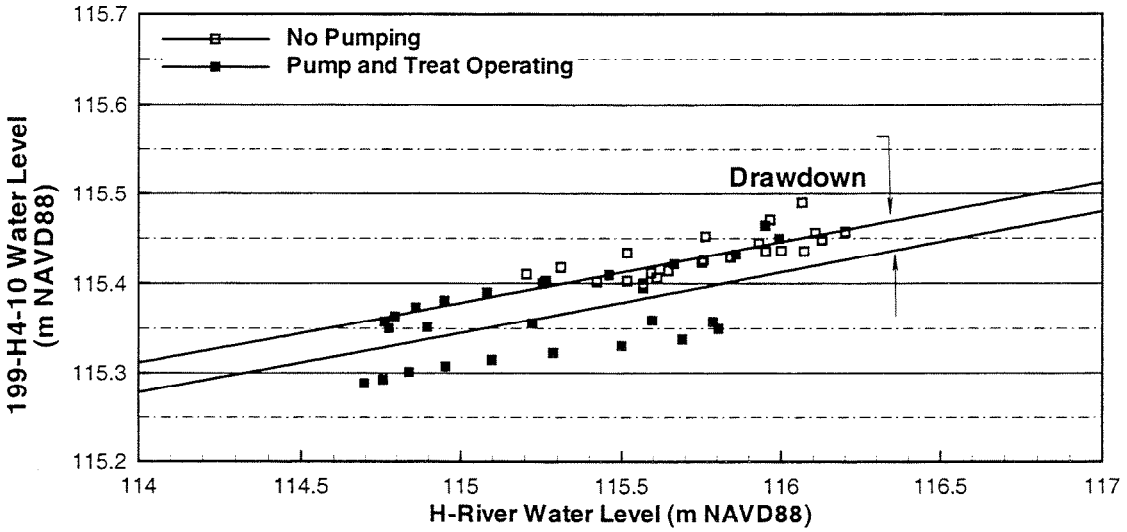

No Pumping
Pump and Treat Operating
Drawdown
199-H4-5 Water Level (m NAVD88)
115.7
115.6
115.5
115.4
115.3
115.2
115.1
115
114
114.5
115
115.5
116
116.5
117
H-River Water Level (m NAVD88)

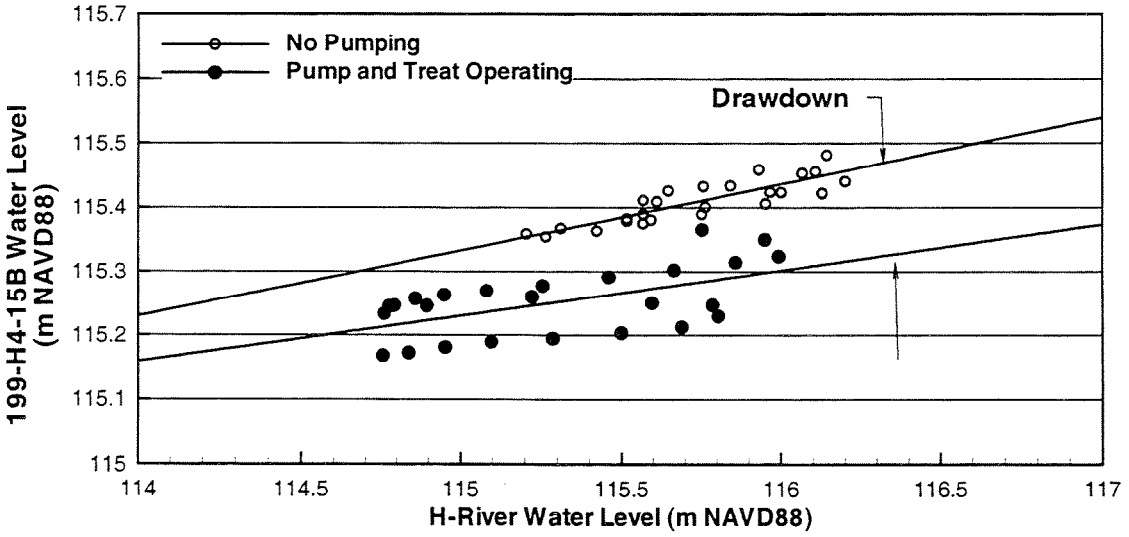

System Pumps On
H-River
199-H4-4
199-H4-63
Water Level (m NAVD88)
118
117
116
115
114
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

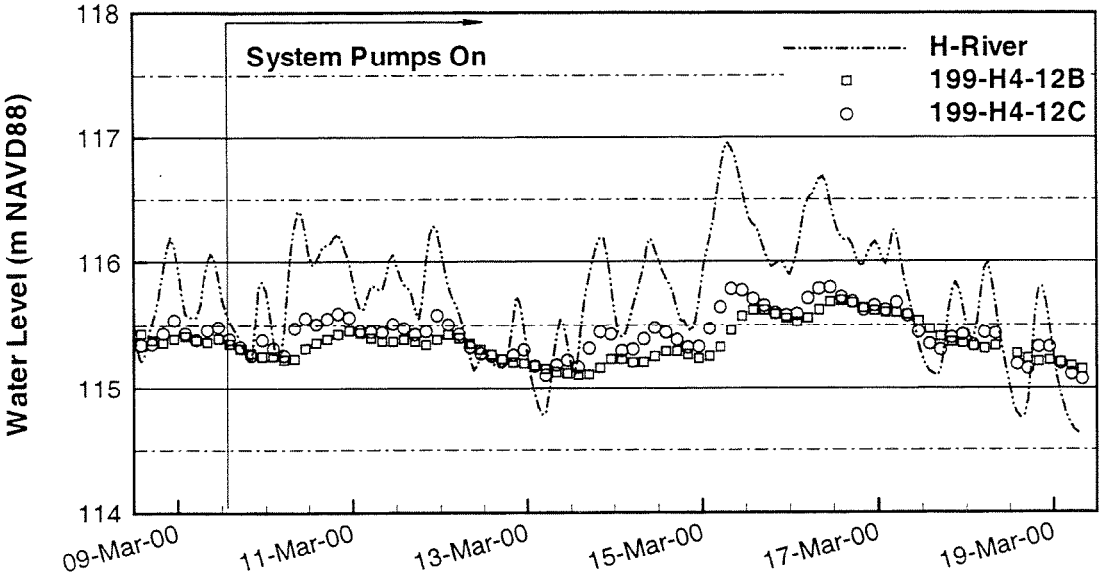

No Pumping
Pump and Treat Operating
Drawdown
199-H4-4 Water Level (m NAVD88)
115.6
115.5
115.4
115.3
115.2
115.1
114
114.5
115
115.5
116
116.5
117
H-River Water Level (m NAVD88)

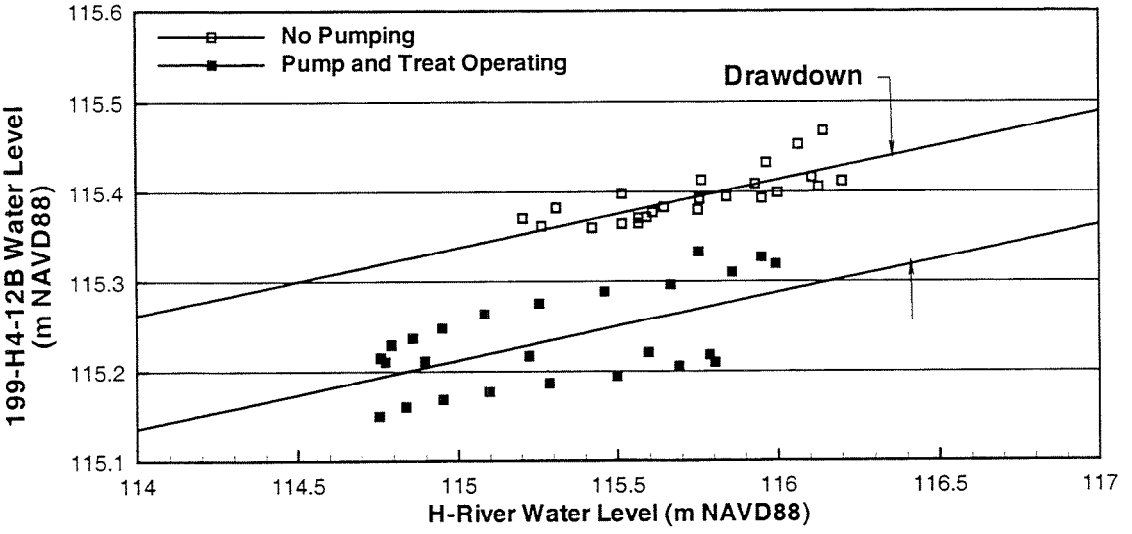

No Pumping
Pump and Treat Operating
Drawdown
199-H4-63 Water Level (m NAVD88)
115.8
115.6
115.4
115.2
115
114.8
114
114.5
115
115.5
116
116.5
117
H-River Water Level (m NAVD88)

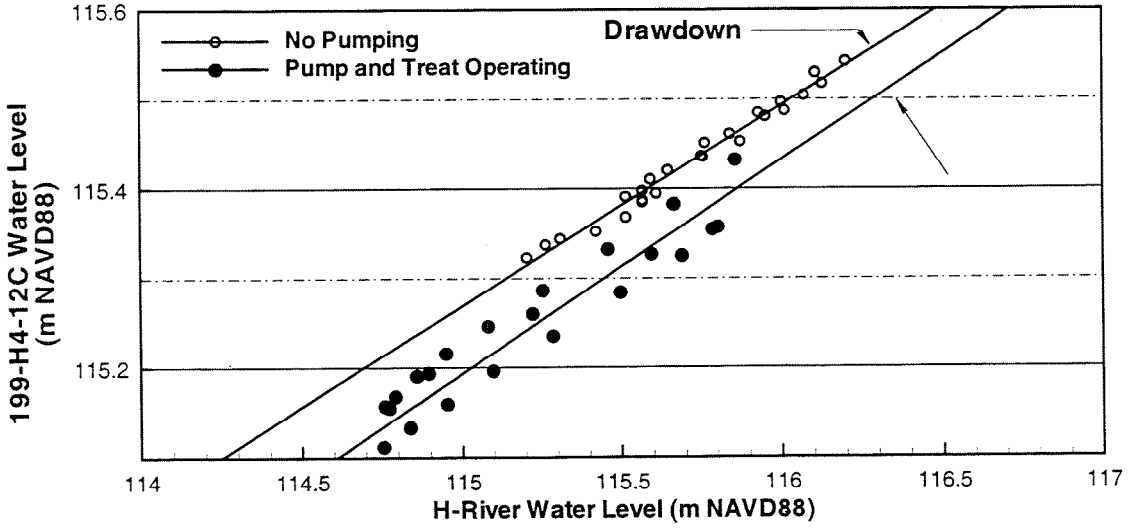

System Pumps On
H-River
199-H4-10
199-H4-15B
Water Level (m NAVD88)
118
117
116
115
114
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

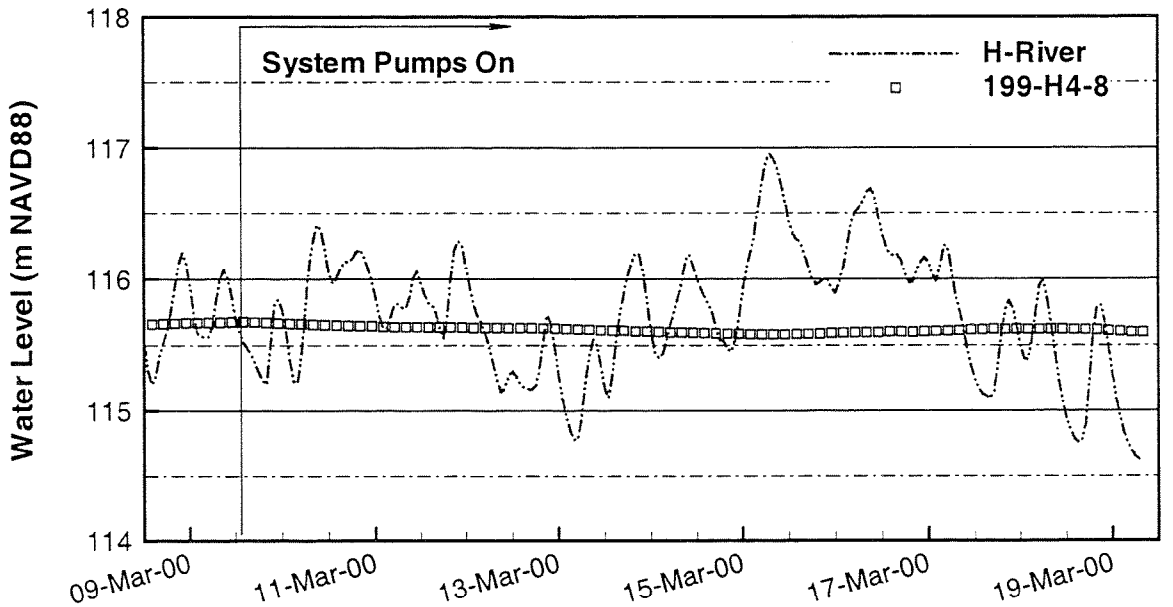

No Pumping
Pump and Treat Operating
Drawdown
199-H4-10 Water Level (m NAVD88)
115.7
115.6
115.5
115.4
115.3
115.2
114
114.5
115
115.5
116
116.5
117
H-River Water Level (m NAVD88)

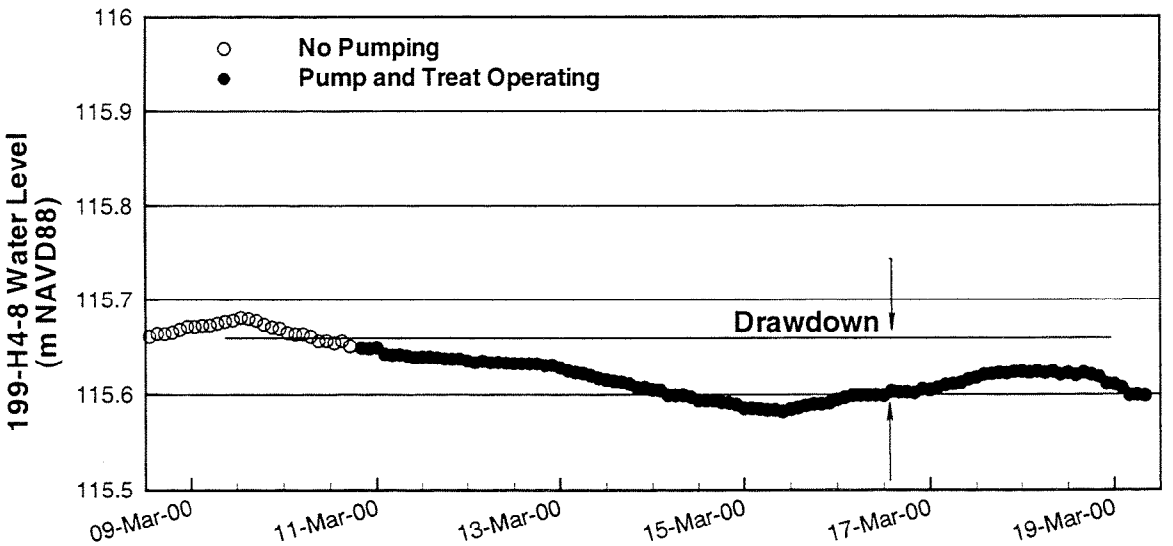

No Pumping
Pump and Treat Operating
Drawdown
199-H4-15B Water Level (m NAVD88)
115.7
115.6
115.5
115.4
115.3
115.2
115.1
115
114
114.5
115
115.5
116
116.5
117
H-River Water Level (m NAVD88)

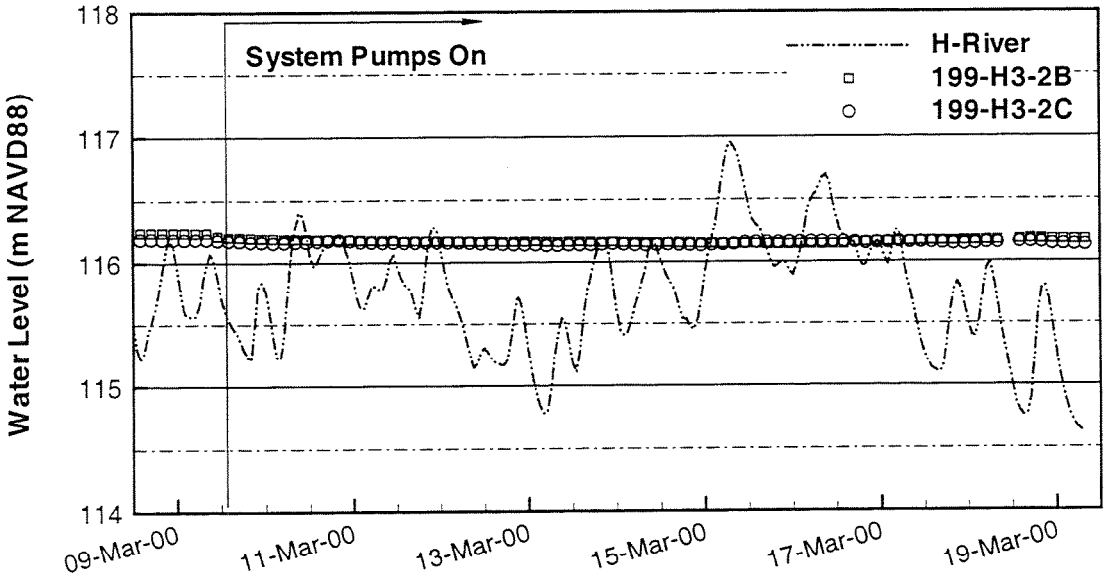

System Pumps On
H-River
199-H4-12B
199-H4-12C
Water Level (m NAVD88)
118
117
116
115
114
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

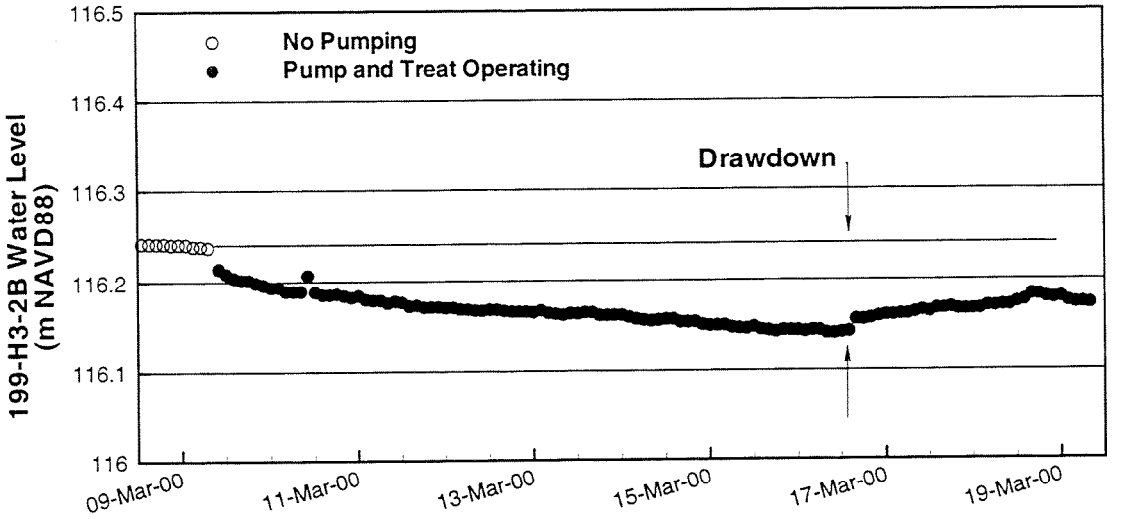

No Pumping
Pump and Treat Operating
Drawdown
199-H4-12B Water Level (m NAVD88)
115.6
115.5
115.4
115.3
115.2
115.1
114
114.5
115
115.5
116
116.5
117
H-River Water Level (m NAVD88)

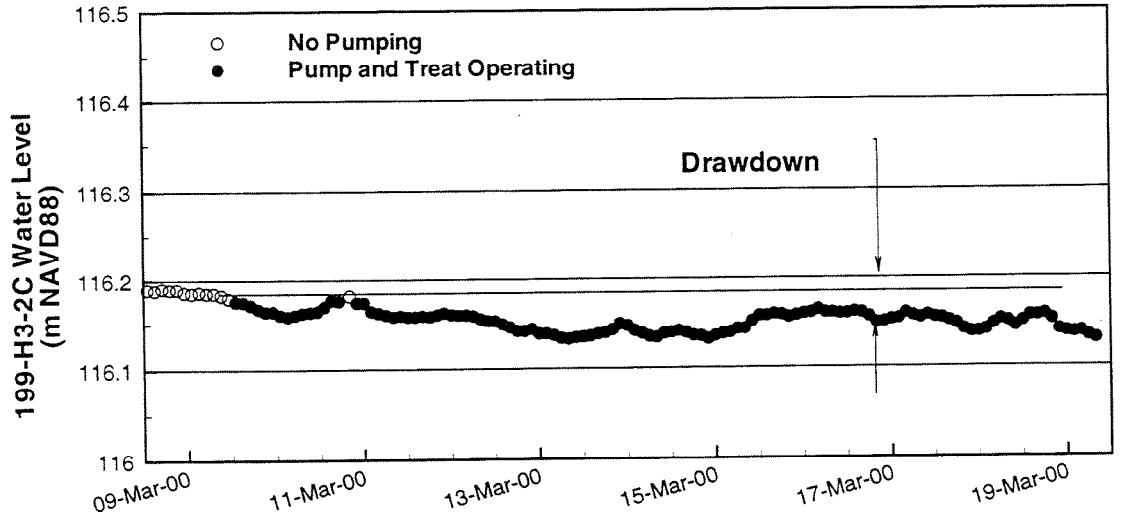

No Pumping
Pump and Treat Operating
Drawdown
199-H4-12C Water Level (m NAVD88)
115.6
115.4
115.2
114
114.5
115
115.5
116
116.5
117
H-River Water Level (m NAVD88)

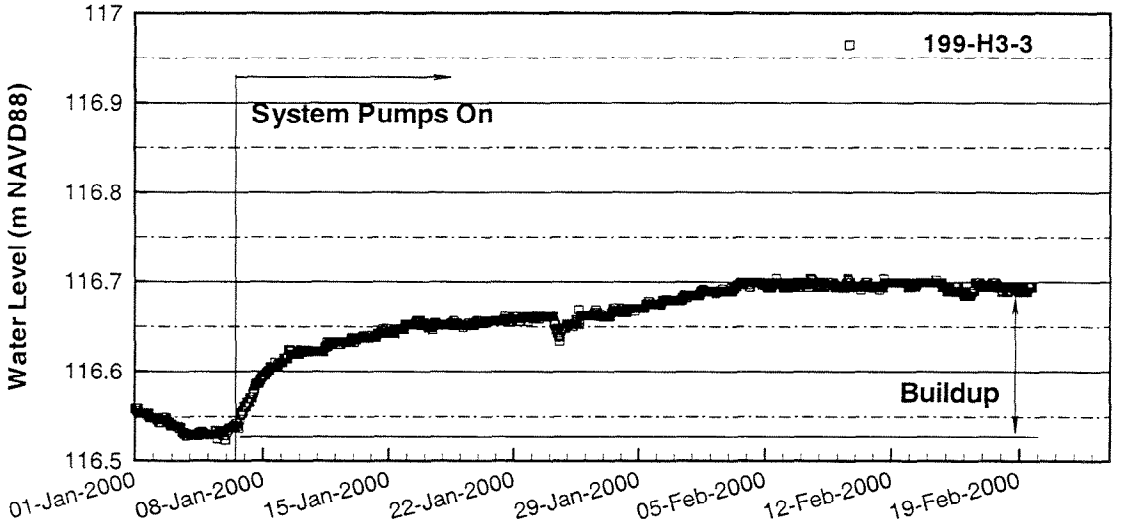

System Pumps On
H-River
199-H4-8
Water Level (m NAVD88)
118
117
116
115
114
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

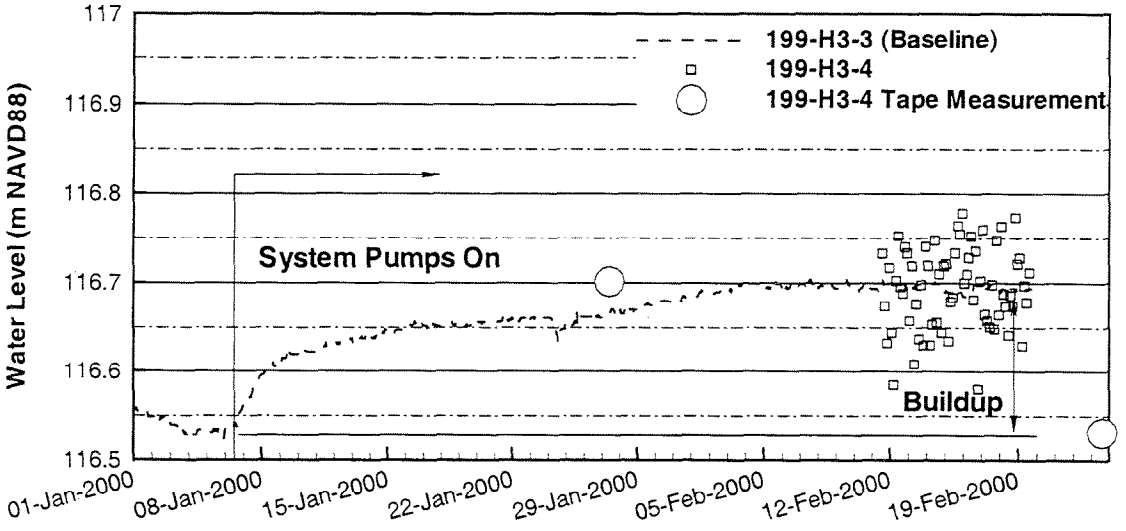

No Pumping
Pump and Treat Operating
Drawdown
199-H4-8 Water Level (m NAVD88)
116
115.9
115.8
115.7
115.6
115.5
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

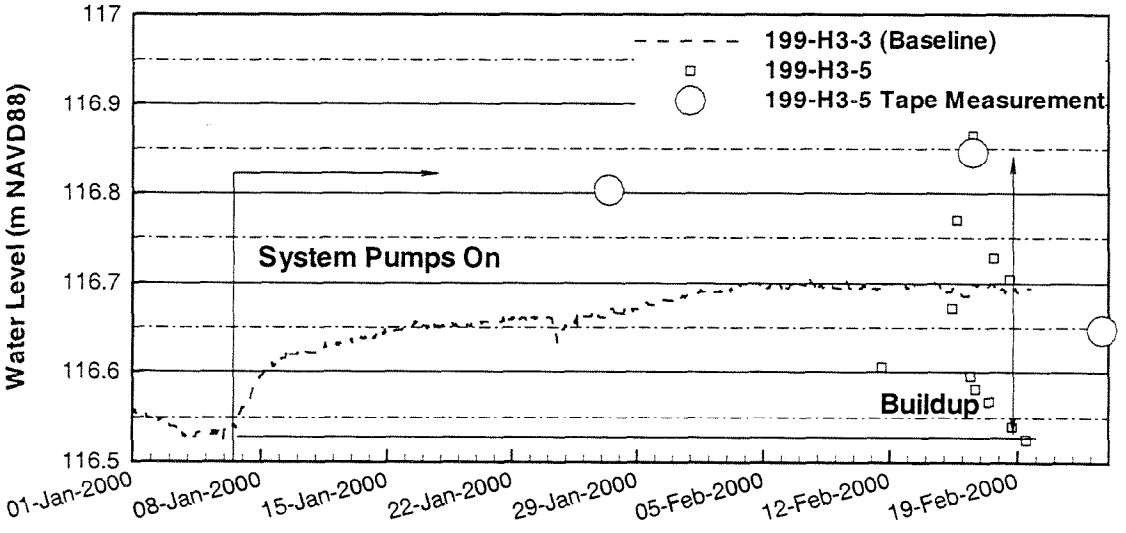

System Pumps On
H-River
199-H3-2B
199-H3-2C
Water Level (m NAVD88)
118
117
116
115
114
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

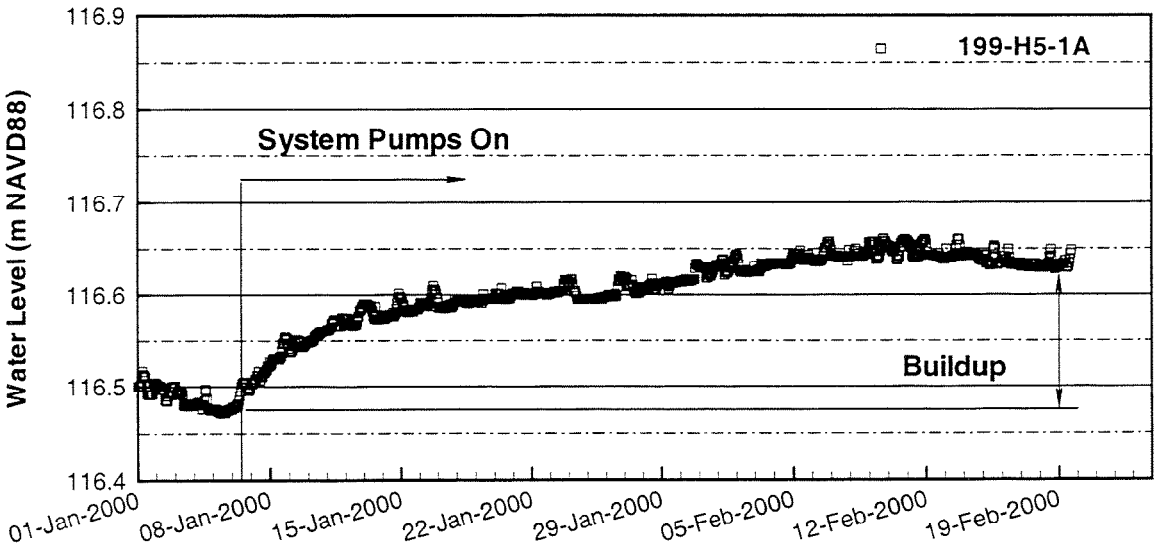

No Pumping
Pump and Treat Operating
Drawdown
199-H3-2B Water Level (m NAVD88)
116.5
116.4
116.3
116.2
116.1
116
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00

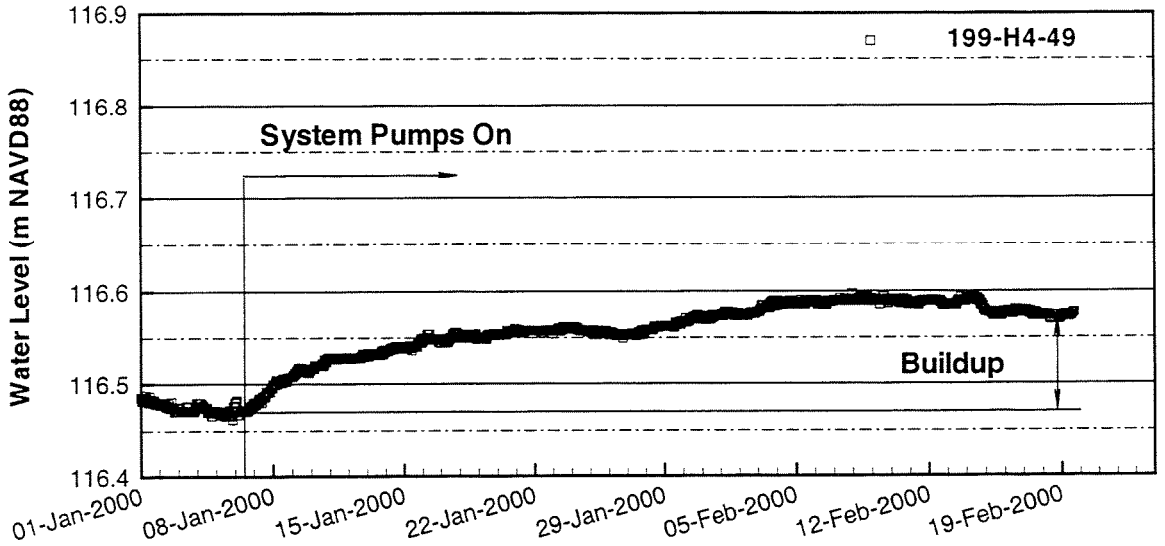

No Pumping
Pump and Treat Operating
Drawdown
199-H3-2C Water Level (m NAVD88)
116.5
116.4
116.3
116.2
116.1
116
09-Mar-00
11-Mar-00
13-Mar-00
15-Mar-00
17-Mar-00
19-Mar-00


199-H3-3
System Pumps On
Buildup
Water Level (m NAVD88)
117
116.9
116.8
116.7
116.6
116.5
01-Jan-2000
08-Jan-2000
15-Jan-2000
22-Jan-2000
29-Jan-2000
05-Feb-2000
12-Feb-2000
19-Feb-2000


199-H3-3 (Baseline)
199-H3-4
199-H3-4 Tape Measurement
System Pumps On
Buildup
Water Level (m NAVD88)
117
116.9
116.8
116.7
116.6
116.5
01-Jan-2000
08-Jan-2000
15-Jan-2000
22-Jan-2000
29-Jan-2000
05-Feb-2000
12-Feb-2000
19-Feb-2000

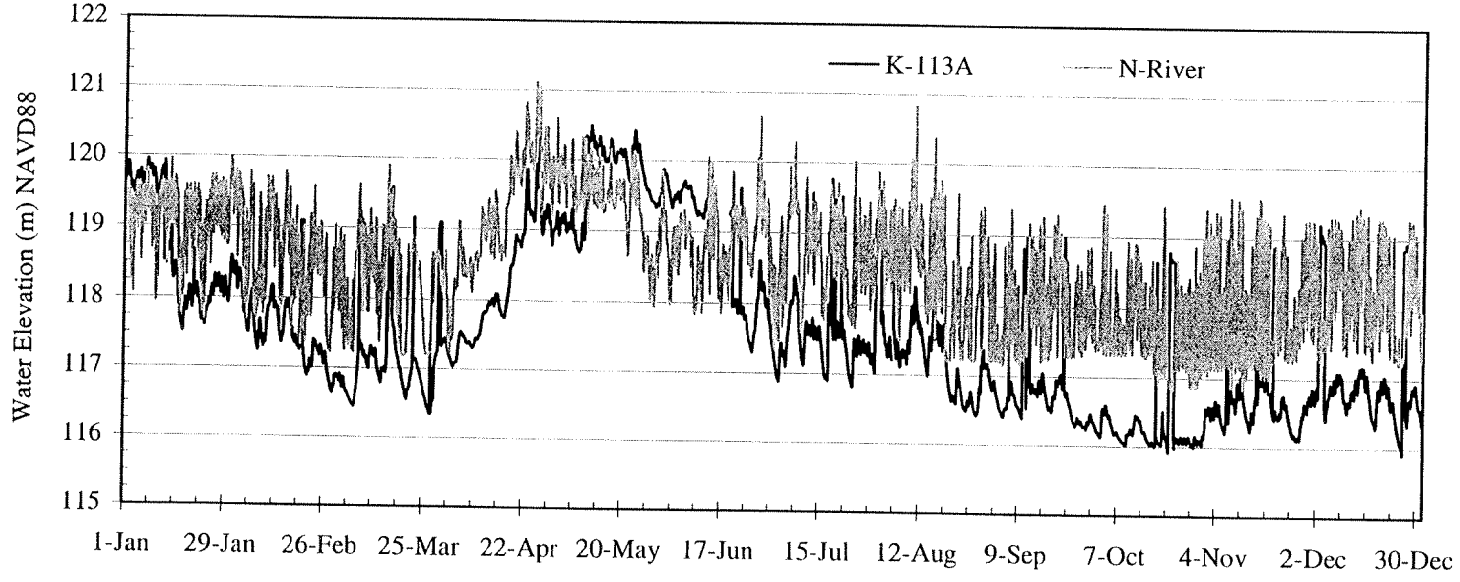

199-H3-3 (Baseline)
199-H3-5
199-H3-5 Tape Measurement
System Pumps On
Buildup
Water Level (m NAVD88)
117
116.9
116.8
116.7
116.6
116.5
01-Jan-2000
08-Jan-2000
15-Jan-2000
22-Jan-2000
29-Jan-2000
05-Feb-2000
12-Feb-2000
19-Feb-2000

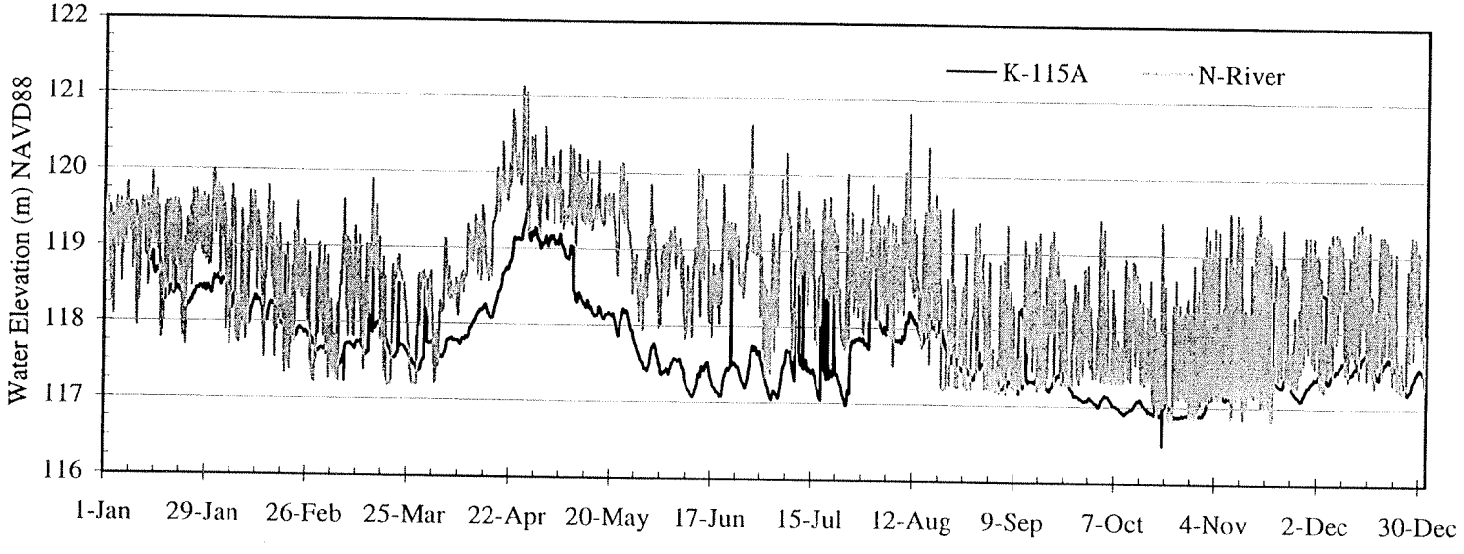

199-H5-1A
System Pumps On
Buildup
Water Level (m NAVD88)
116.9
116.8
116.7
116.6
116.5
116.4
01-Jan-2000
08-Jan-2000
15-Jan-2000
22-Jan-2000
29-Jan-2000
05-Feb-2000
12-Feb-2000
19-Feb-2000

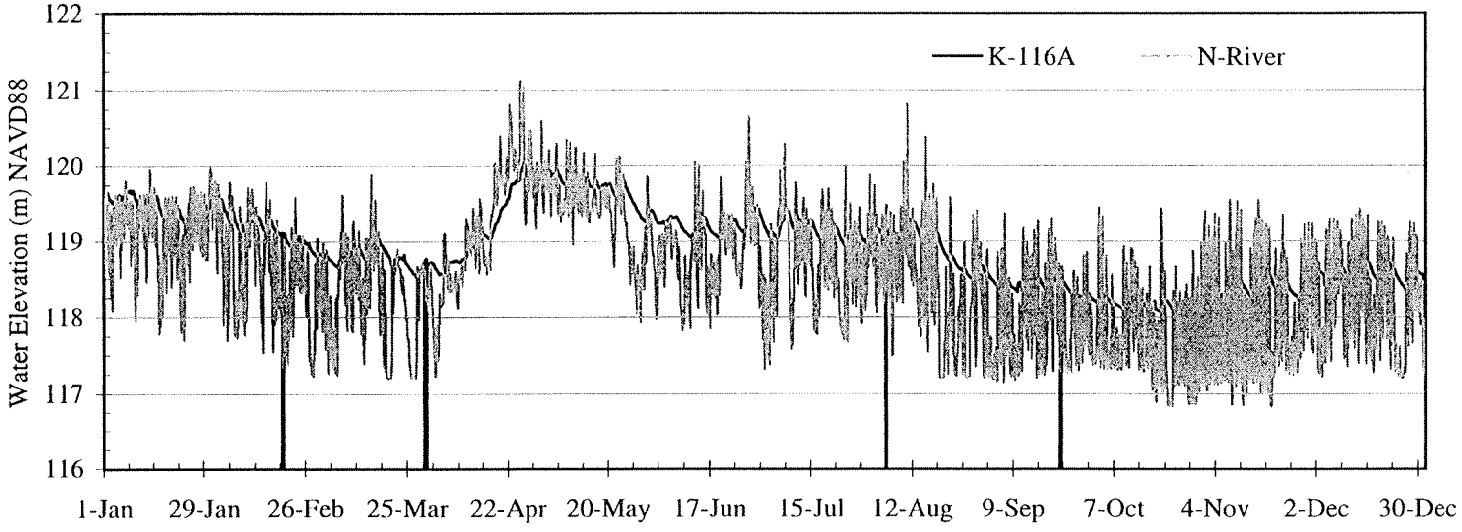

199-H4-49
System Pumps On
Buildup
Water Level (m NAVD88)
116.9
116.8
116.7
116.6
116.5
116.4
01-Jan-2000
08-Jan-2000
15-Jan-2000
22-Jan-2000
29-Jan-2000
05-Feb-2000
12-Feb-2000
19-Feb-2000

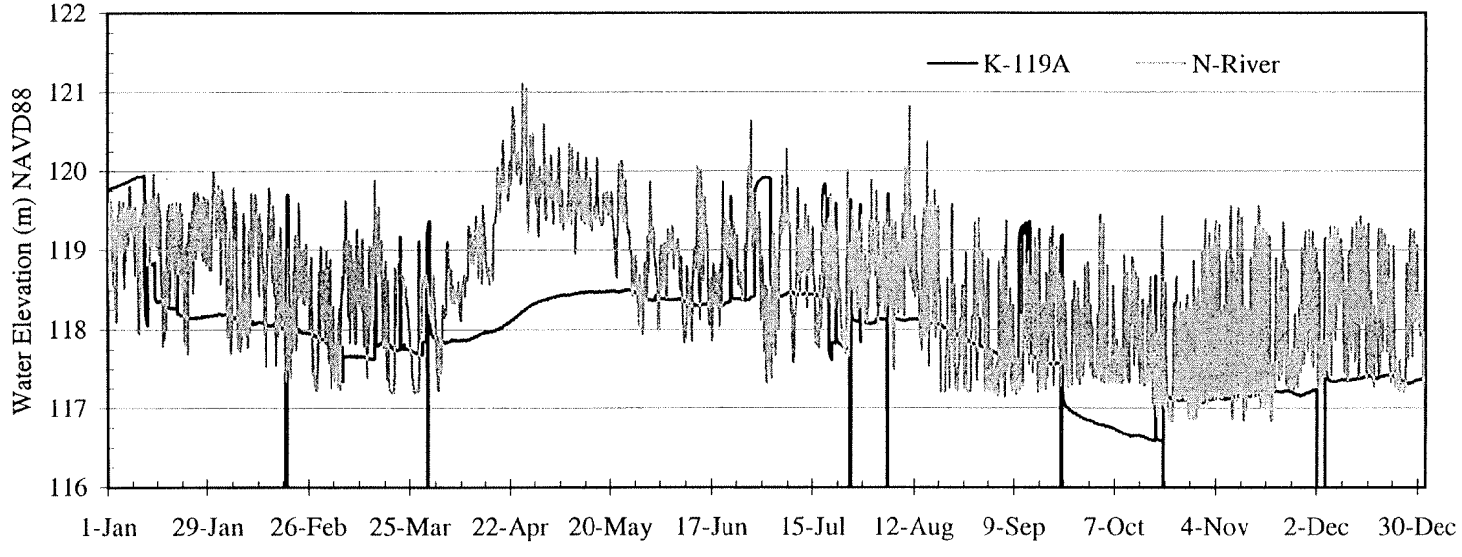
APPENDIX C

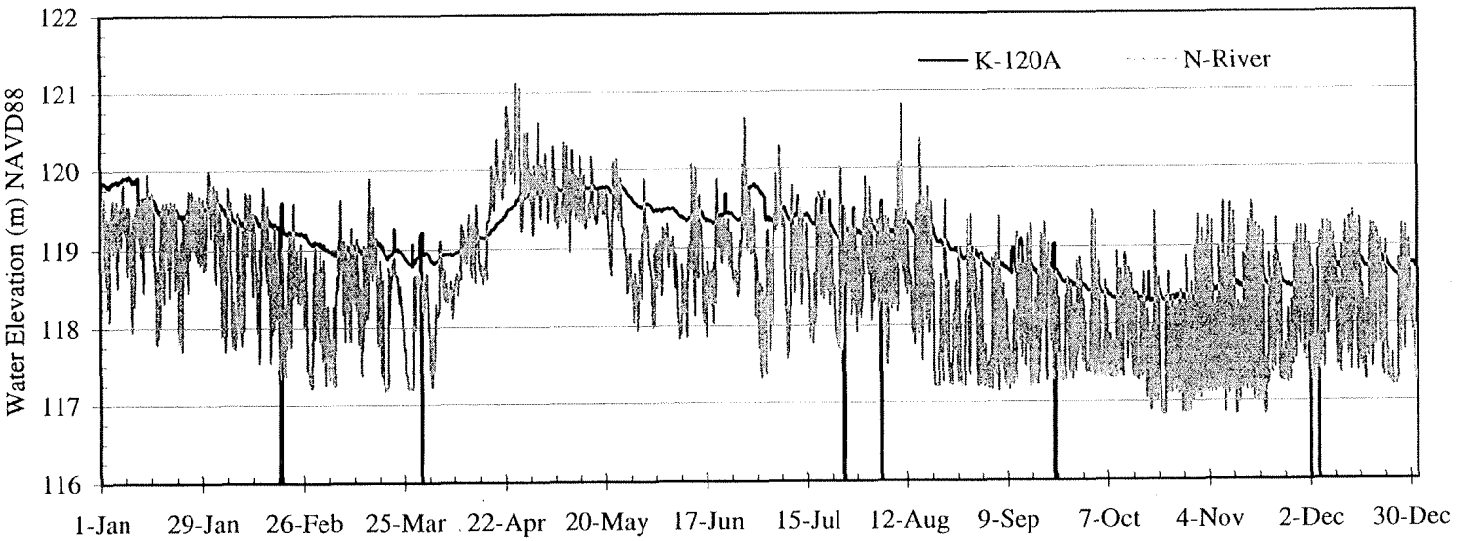
100-KR-4 HYDROGRAPHS AND DRAWDOWN ANALYSIS

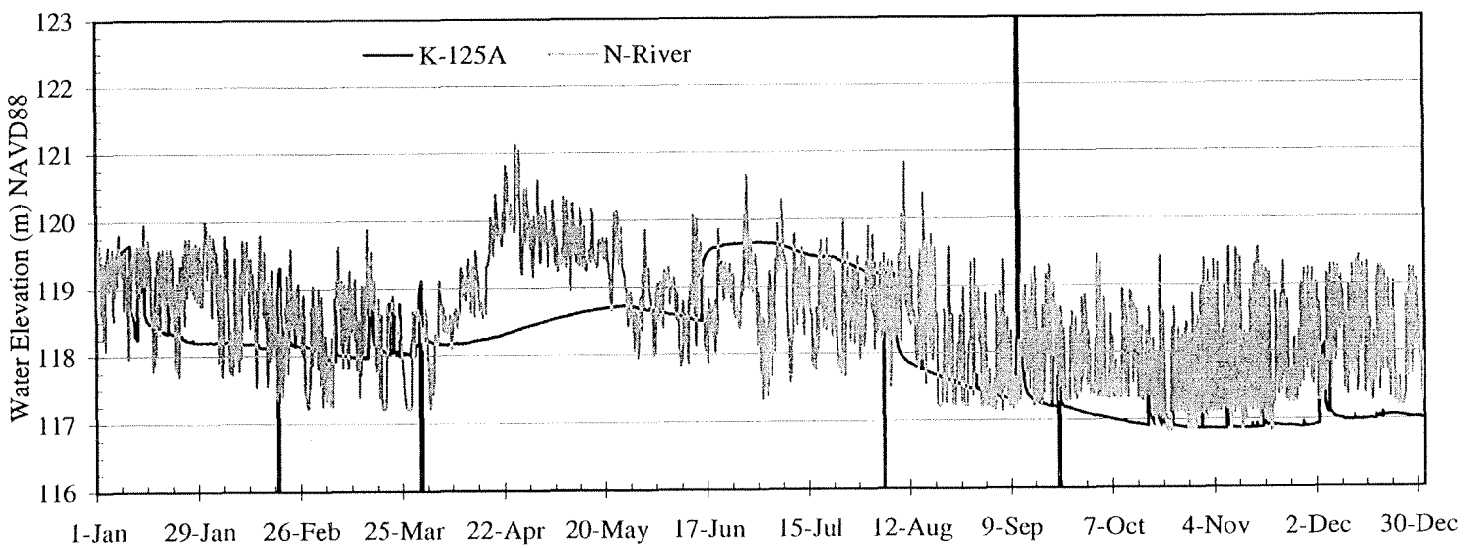

K-113A
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
115
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

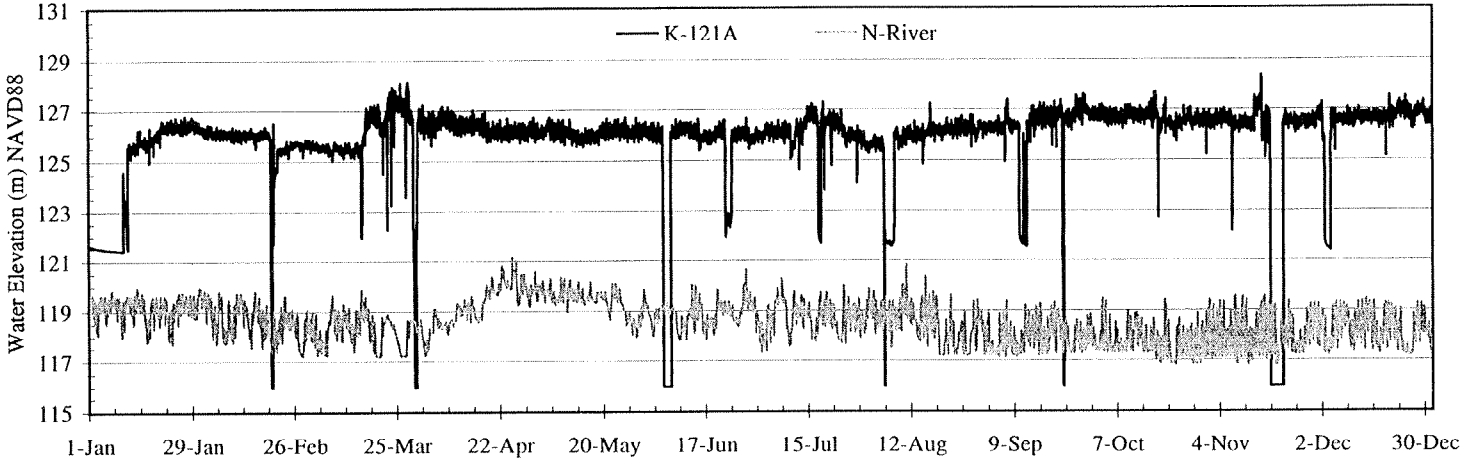

K-115A
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

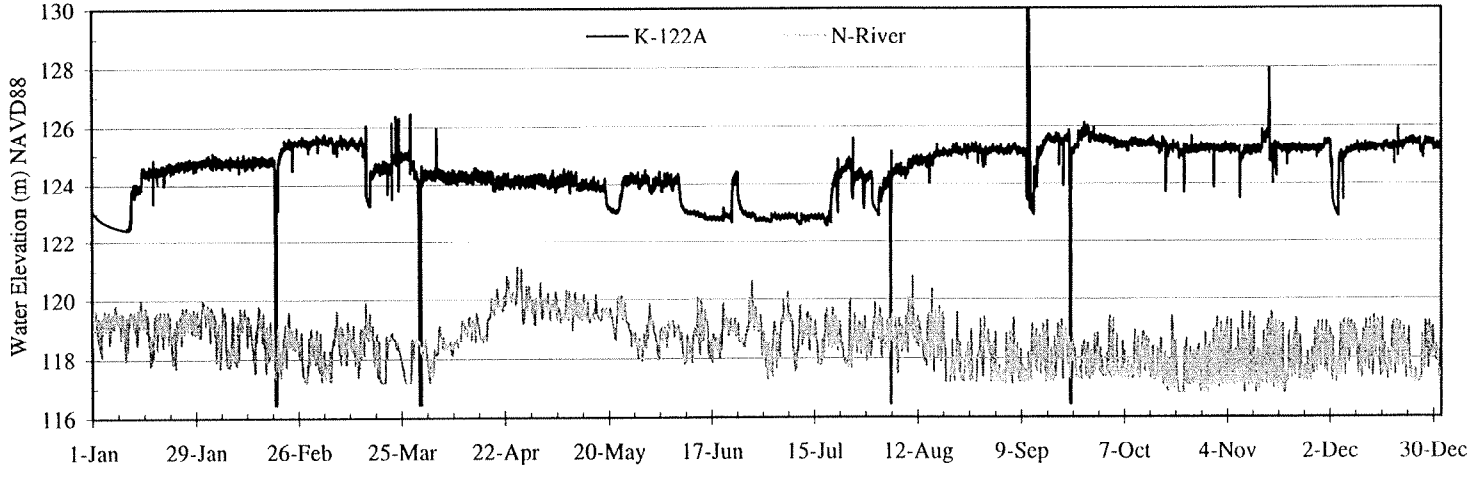

K-116A
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

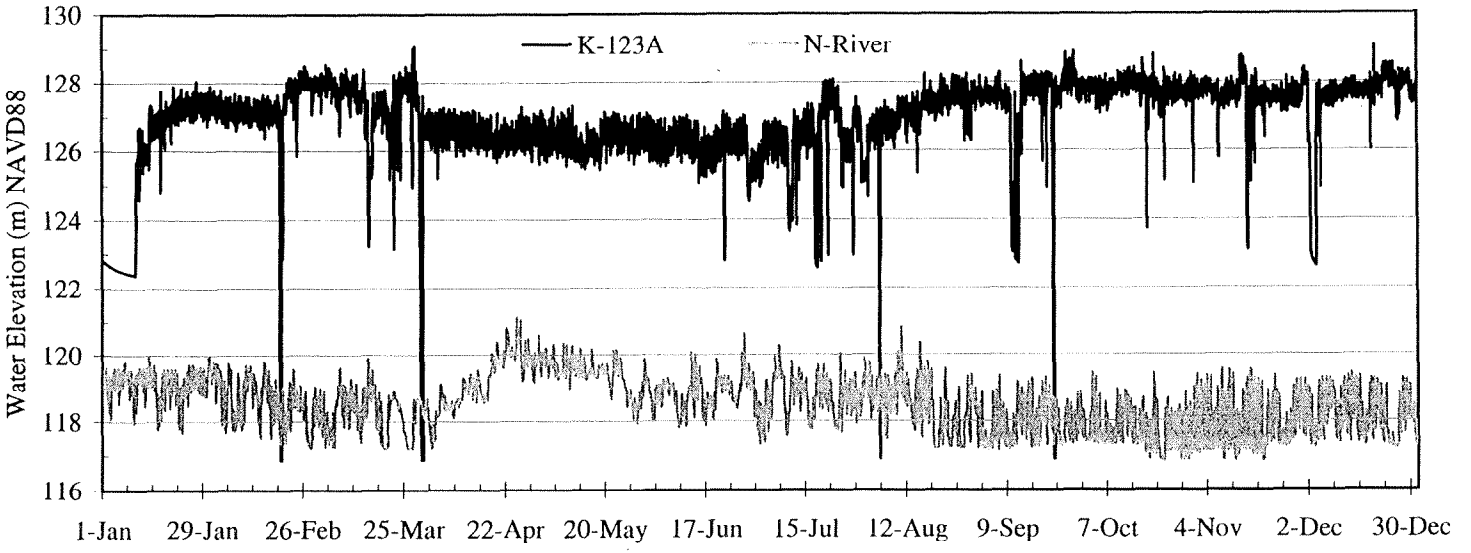

K-119A
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

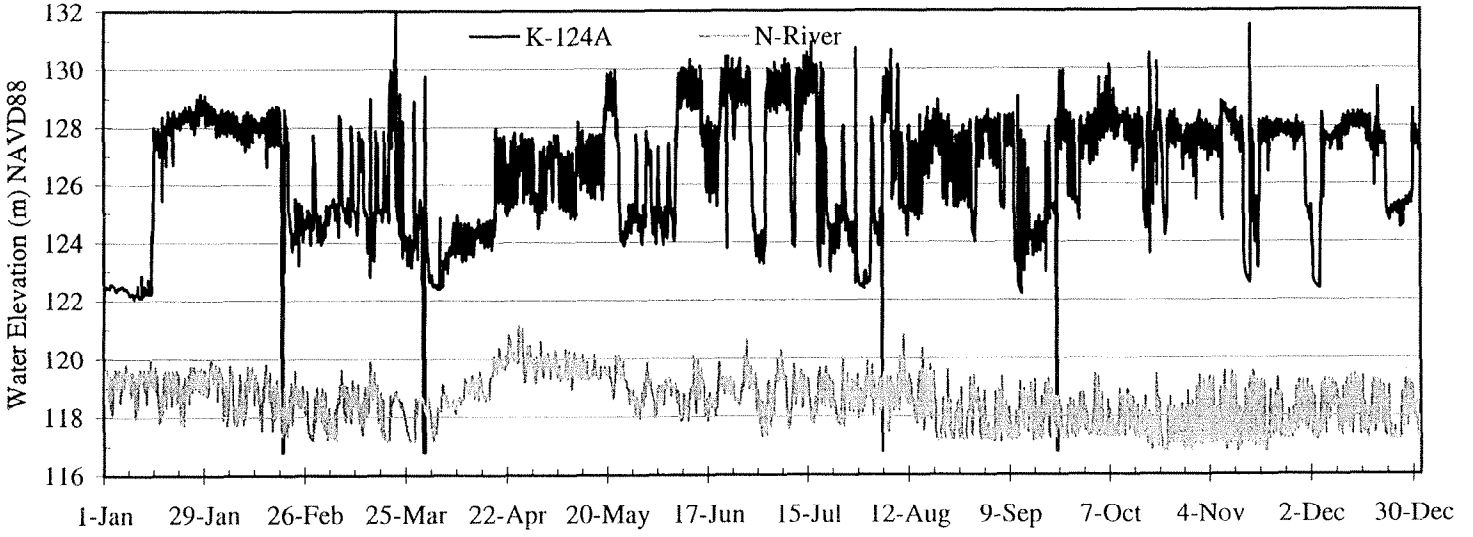

K-120A
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

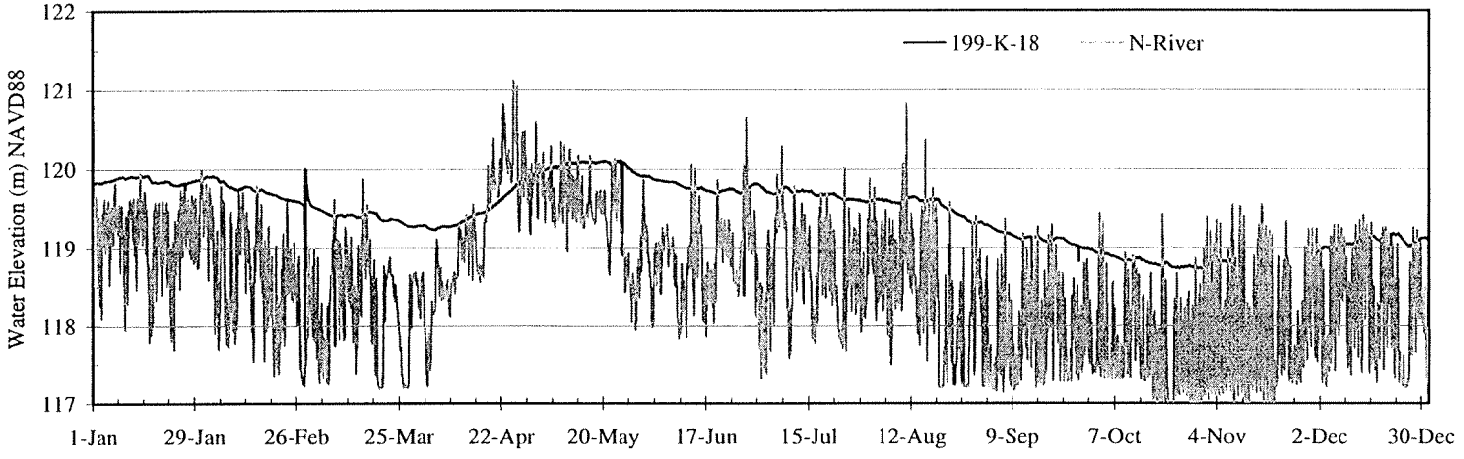

K-125A
N-River
Water Elevation (m) NAVD88
123
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

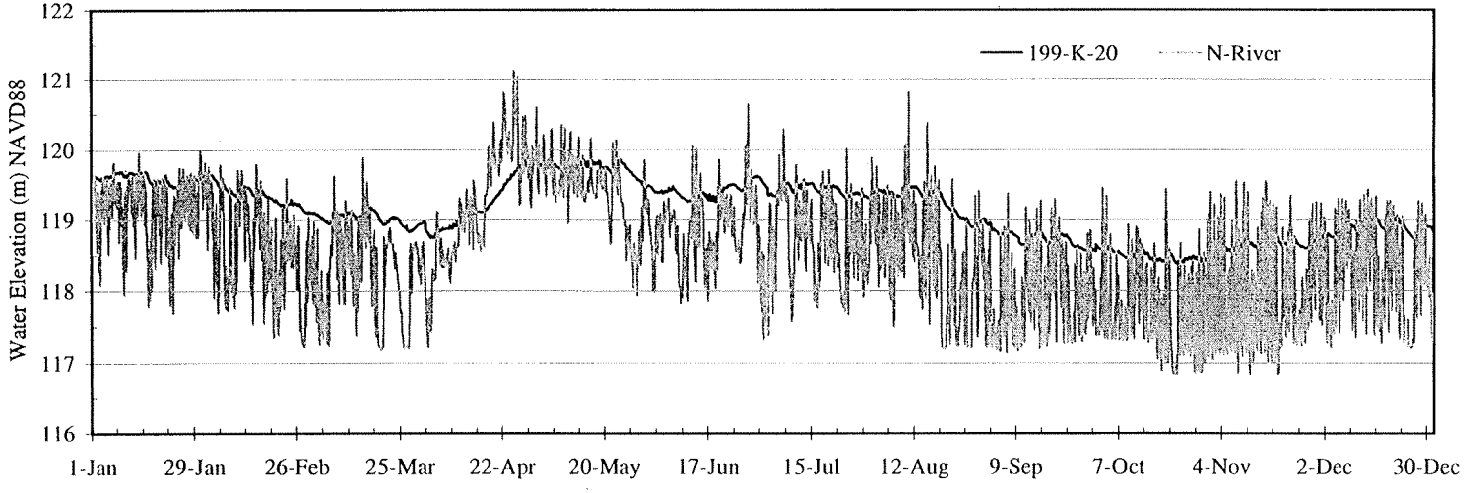

K-121A
N-River
Water Elevation (m) NAVD88
131
129
127
125
123
121
119
117
115
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

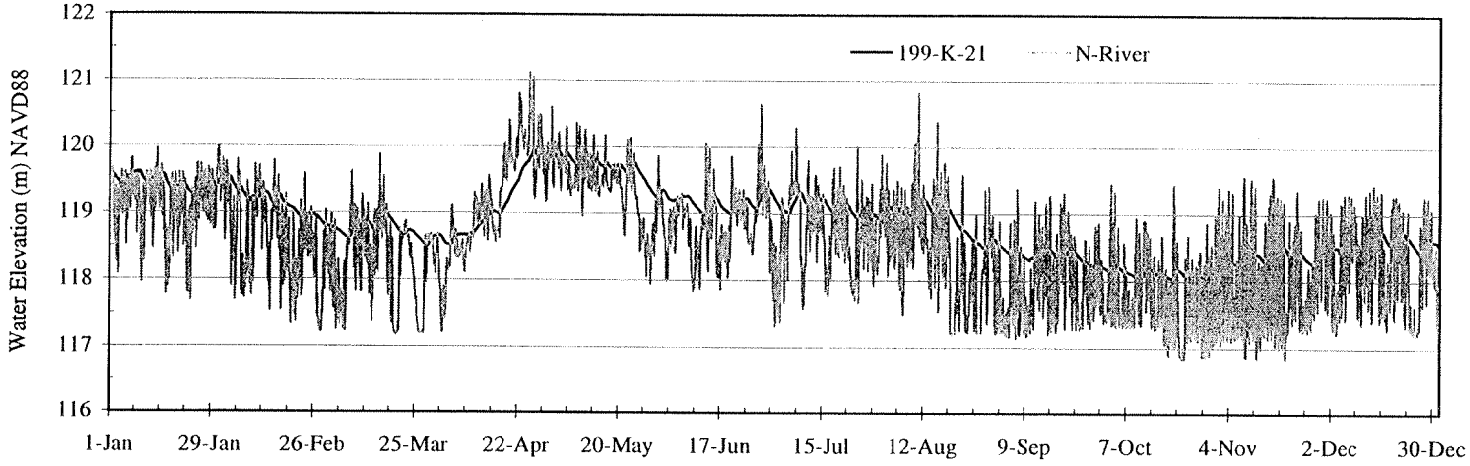

K-122A
N-River
Water Elevation (m) NAVD88
130
128
126
124
122
120
118
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

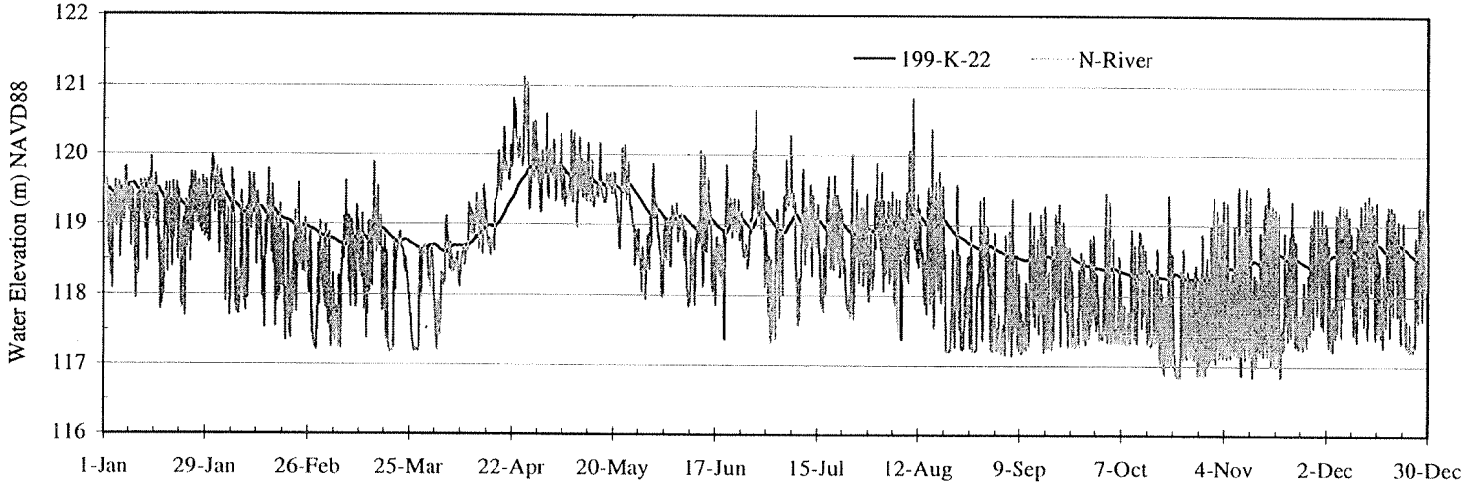

K-123A
N-River
Water Elevation (m) NAVD88
130
128
126
124
122
120
118
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

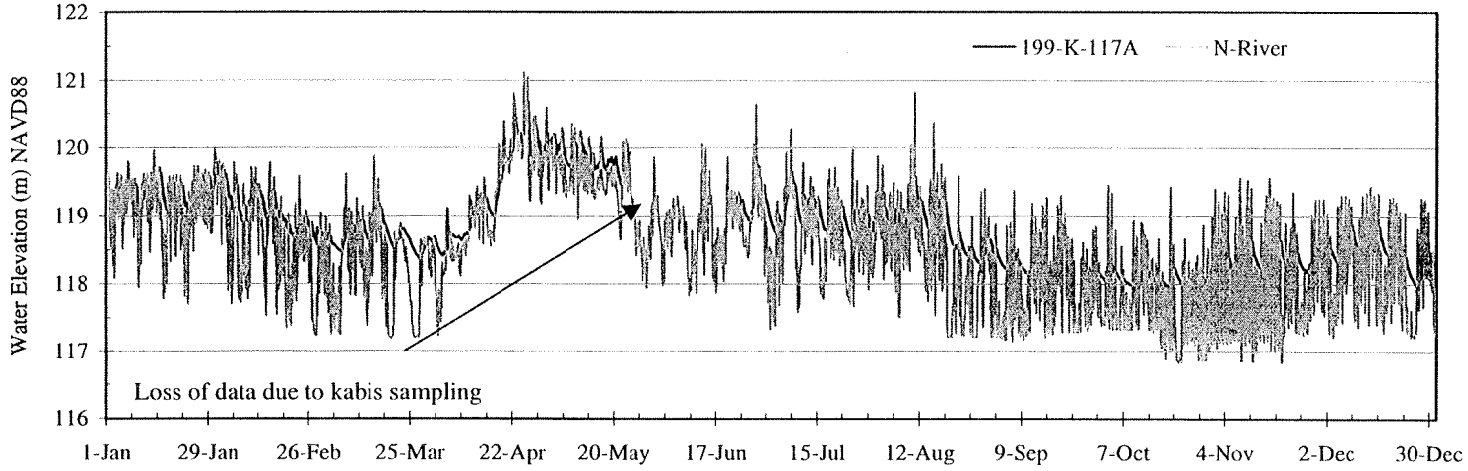

K-124A
N-River
Water Elevation (m) NAVD88
132
130
128
126
124
122
120
118
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

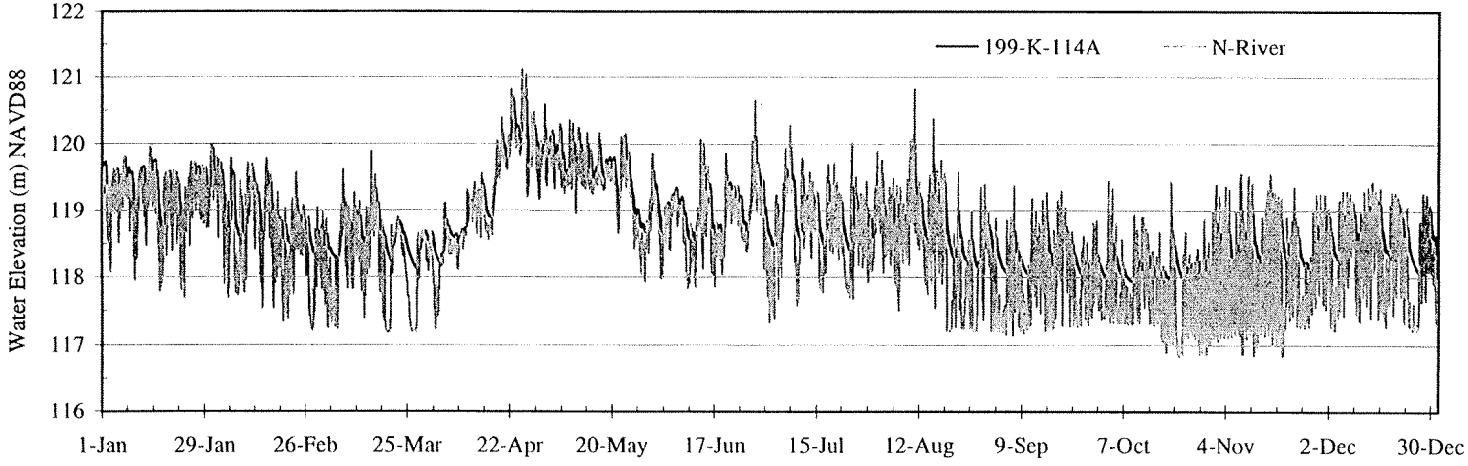

199-K-18
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

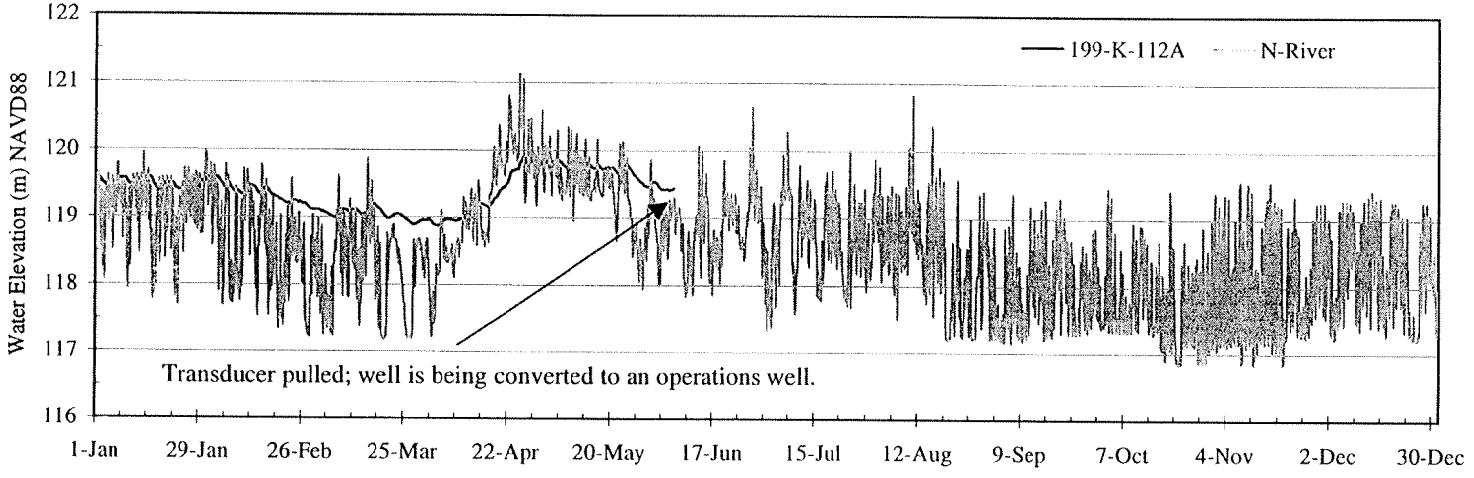

199-K-20
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

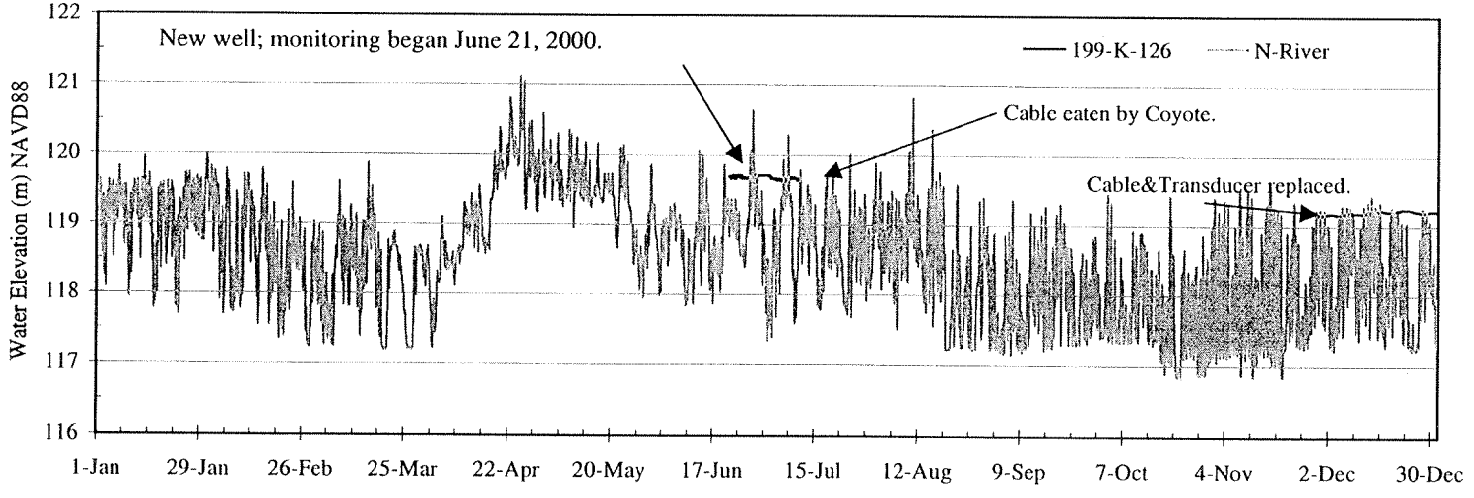

199-K-21
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

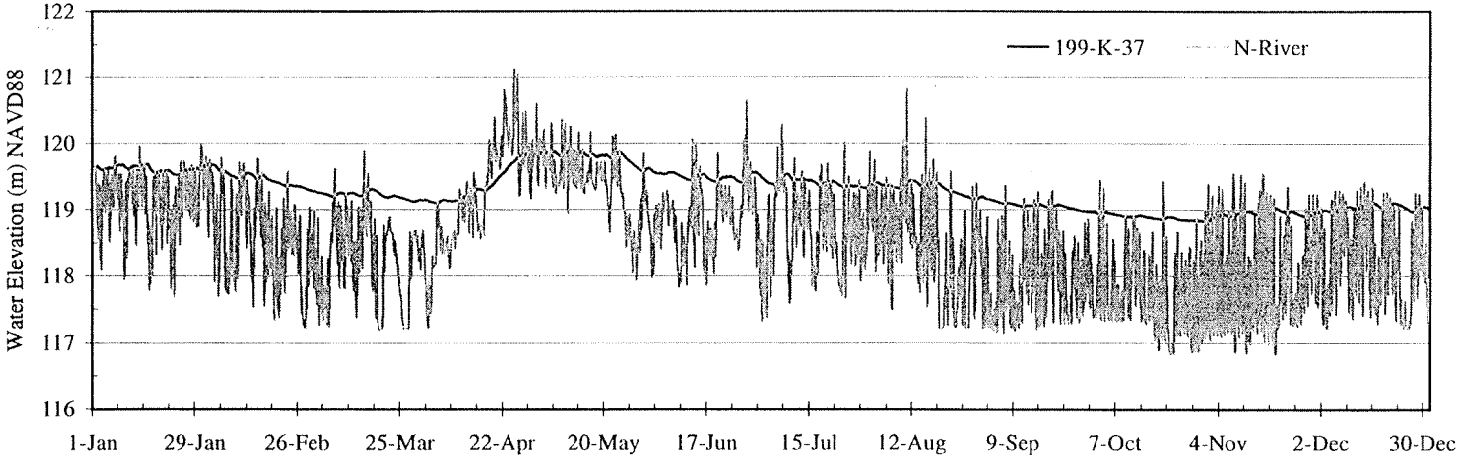

199-K-22
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

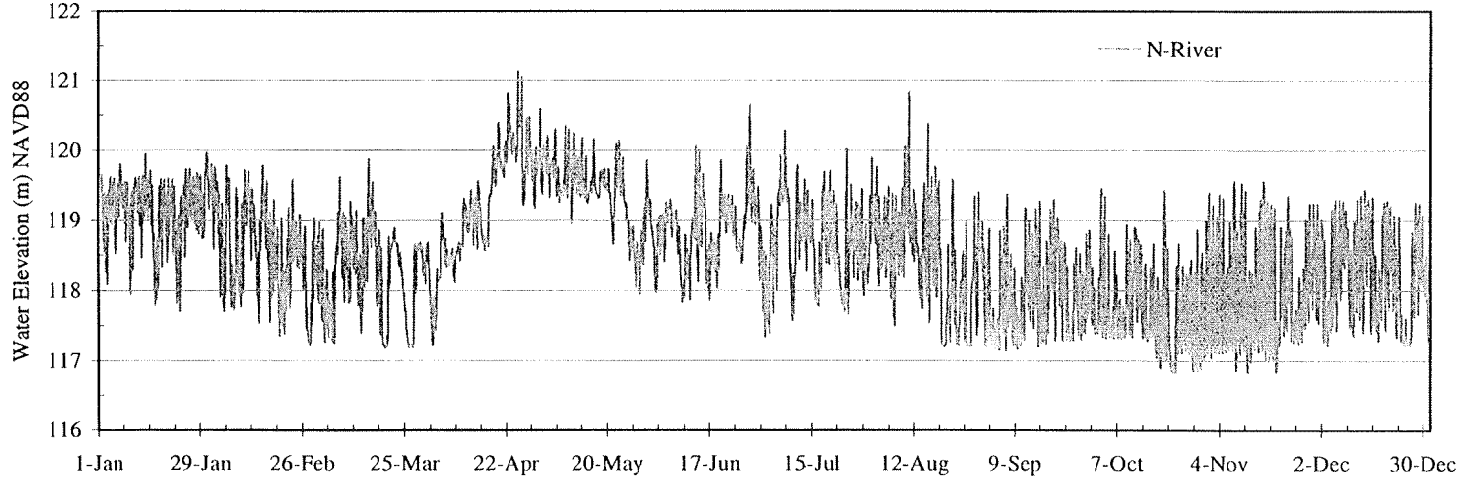

199-K-117A
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
Loss of data due to kabis sampling
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

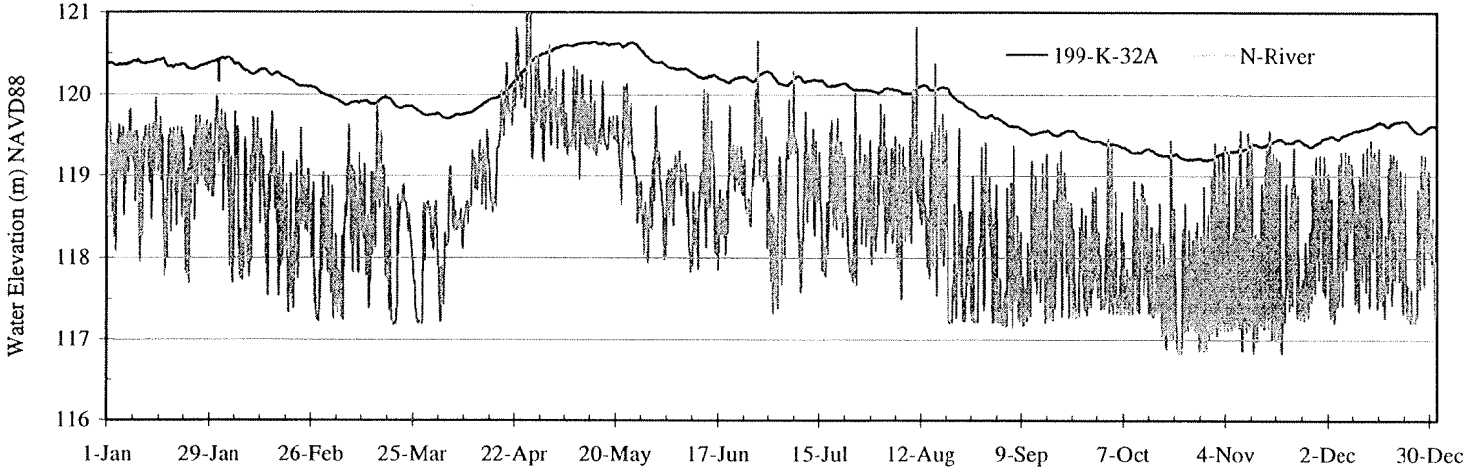

199-K-114A
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

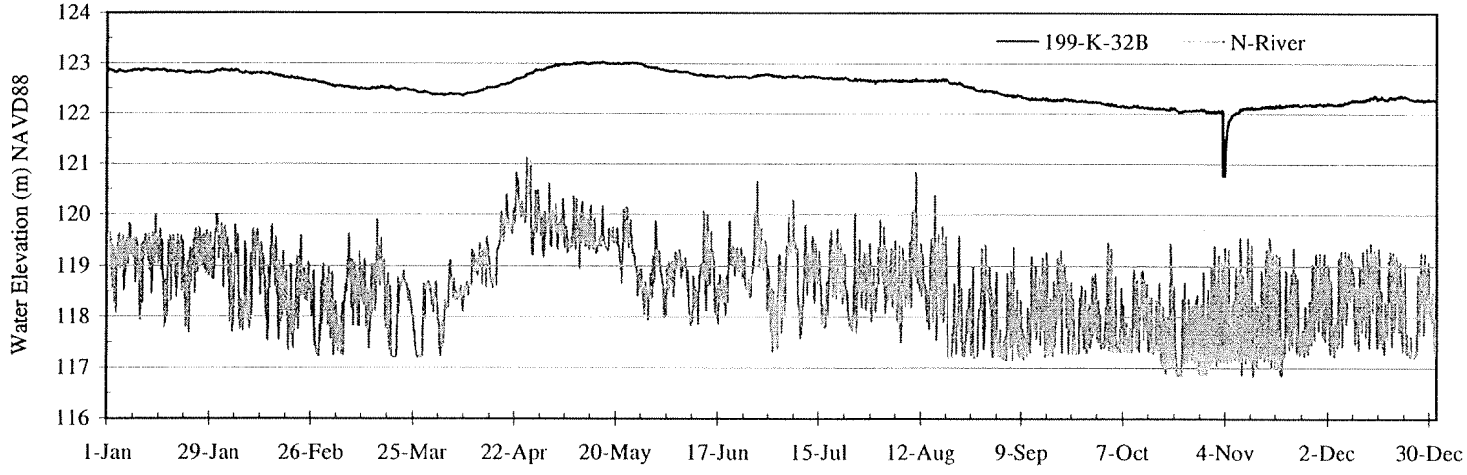

199-K-112A
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
Transducer pulled; well is being converted to an operations well.
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

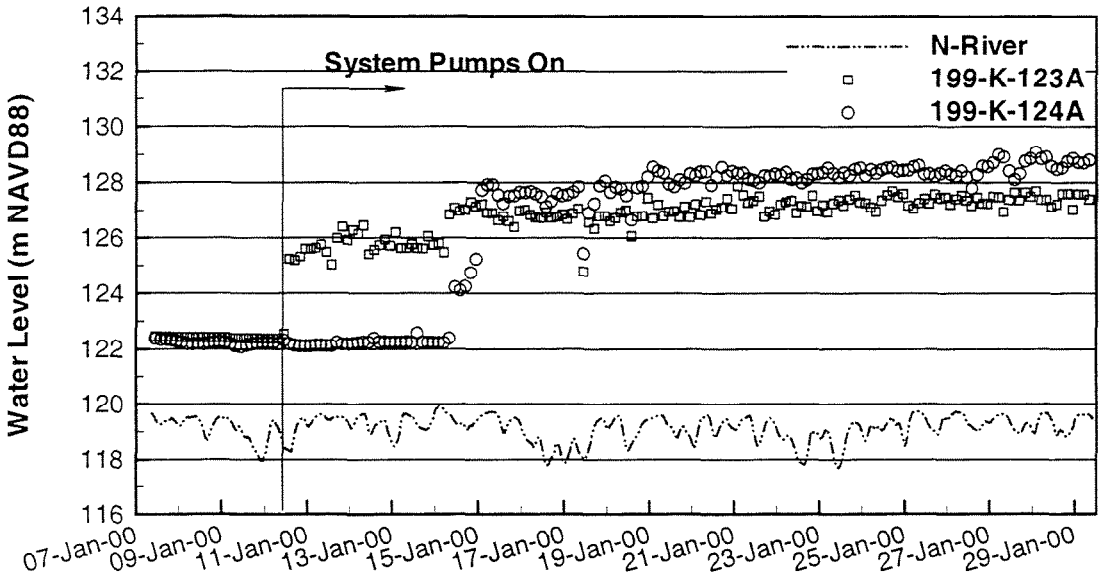

New well; monitoring began June 21, 2000.
199-K-126
N-River
Cable eaten by Coyote.
Cable&Transducer replaced.
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

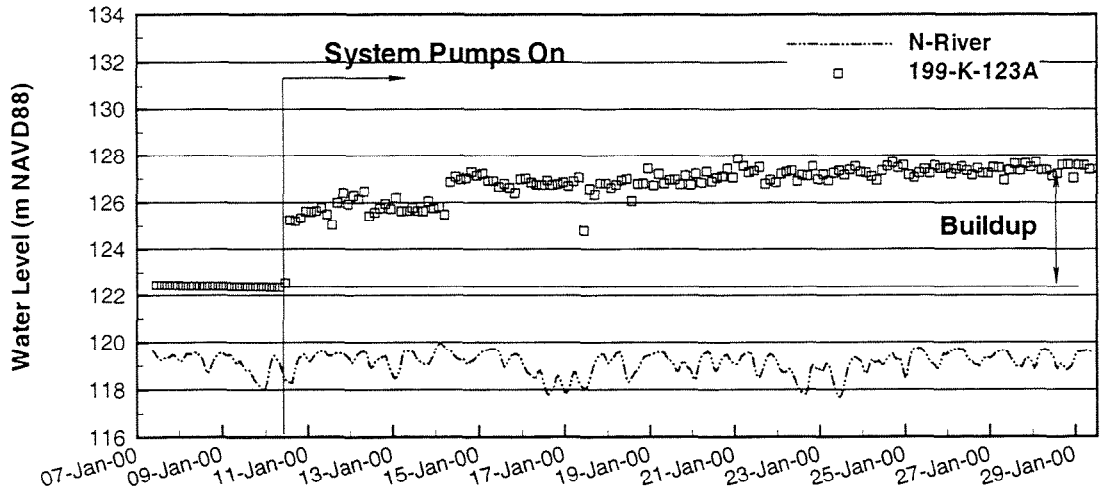

199-K-37
N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

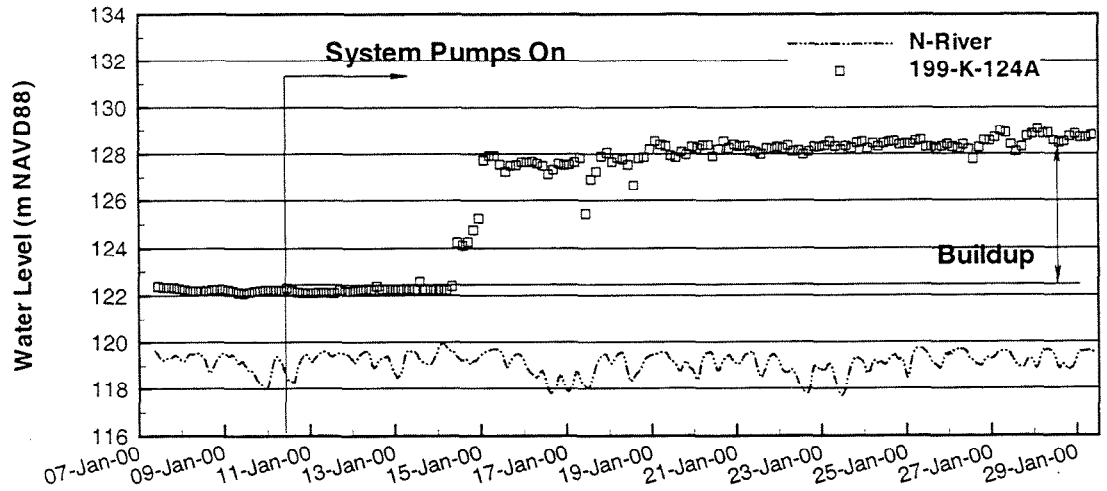

N-River
Water Elevation (m) NAVD88
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

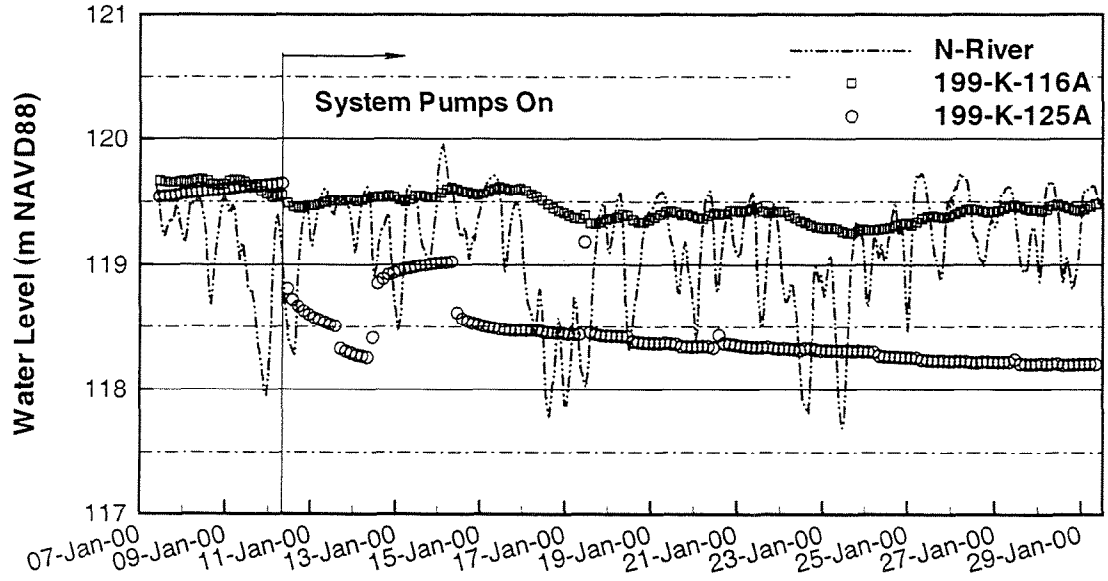

199-K-32A
N-River
Water Elevation (m) NAVD88
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

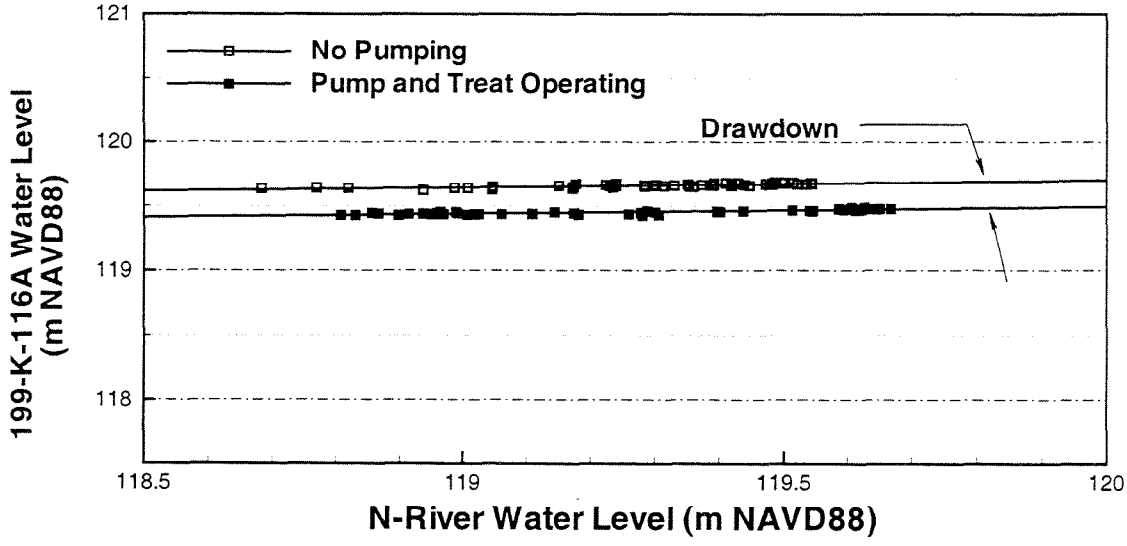

199-K-32B
N-River
Water Elevation (m) NAVD88
124
123
122
121
120
119
118
117
116
1-Jan
29-Jan
26-Feb
25-Mar
22-Apr
20-May
17-Jun
15-Jul
12-Aug
9-Sep
7-Oct
4-Nov
2-Dec
30-Dec

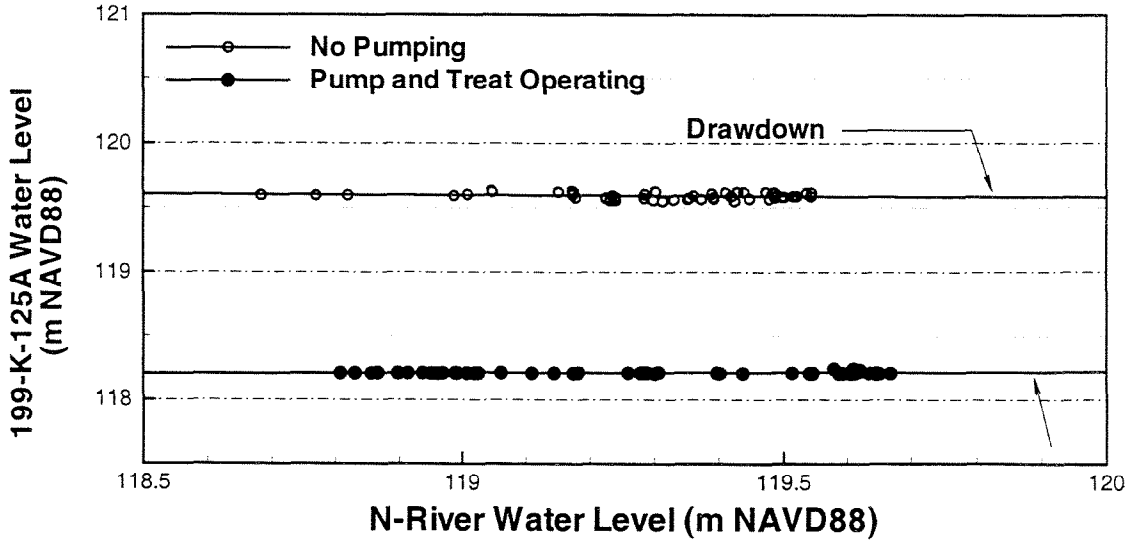

System Pumps On
N-River
199-K-123A
199-K-124A
Water Level (m NAVD88)
134
132
130
128
126
124
122
120
118
116
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

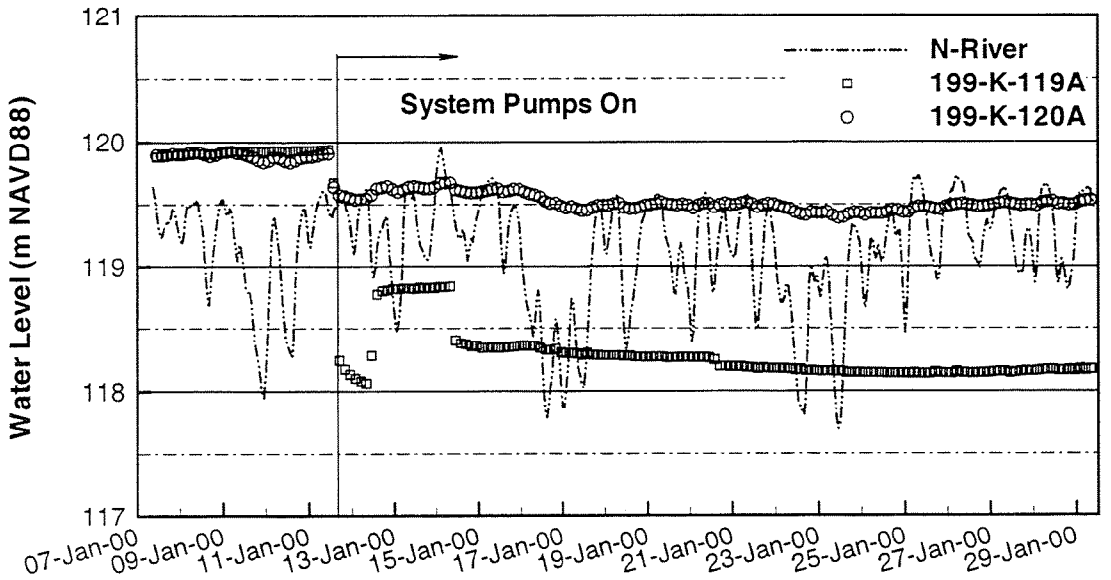

System Pumps On
N-River
199-K-123A
Buildup
Water Level (m NAVD88)
134
132
130
128
126
124
122
120
118
116
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

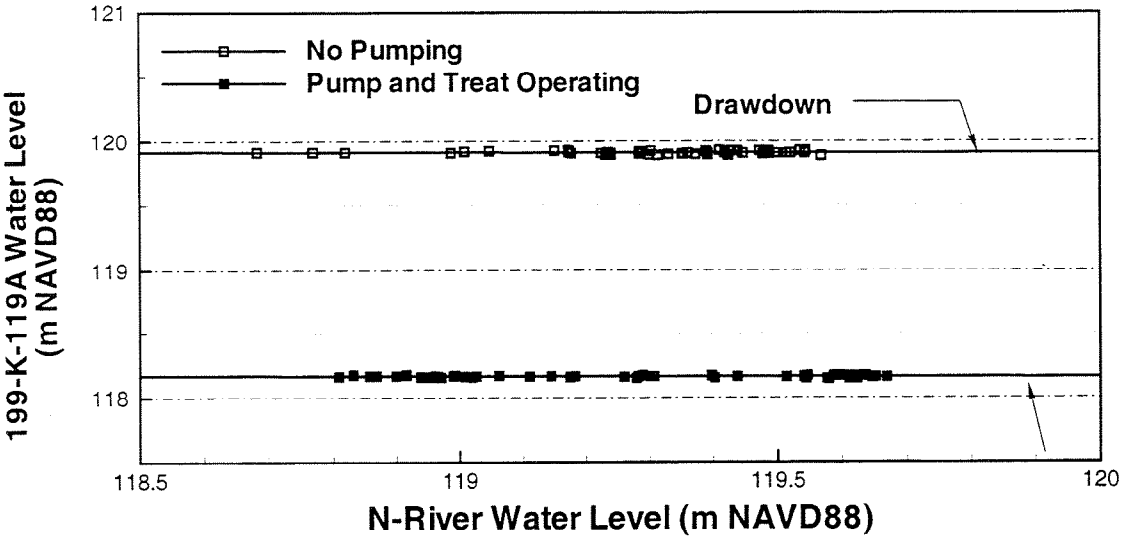

System Pumps On
N-River
199-K-124A
Buildup
Water Level (m NAVD88)
134
132
130
128
126
124
122
120
118
116
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

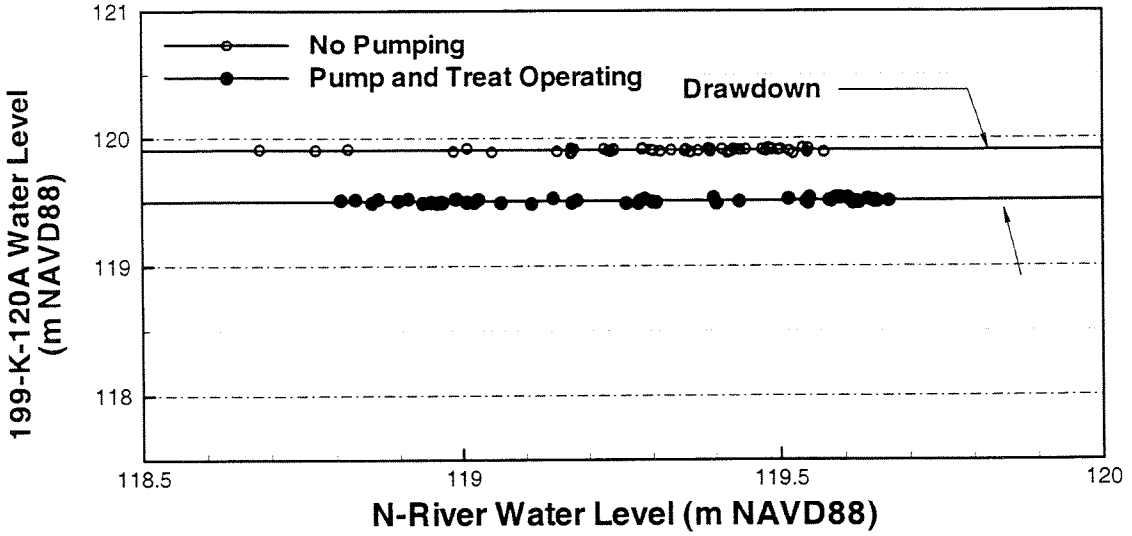

Water Level (m NAVD88)
121
120
119
118
117
System Pumps On
N-River
199-K-116A
199-K-125A
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

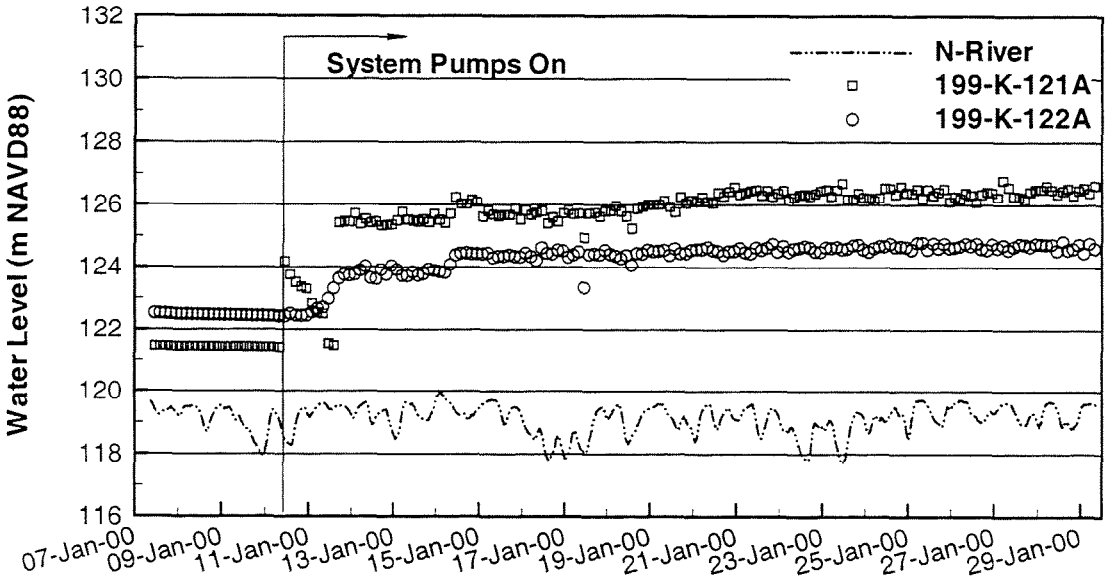

199-K-116A Water Level (m NAVD88)
121
120
119
118
No Pumping
Pump and Treat Operating
Drawdown
118.5
119
119.5
120
N-River Water Level (m NAVD88)

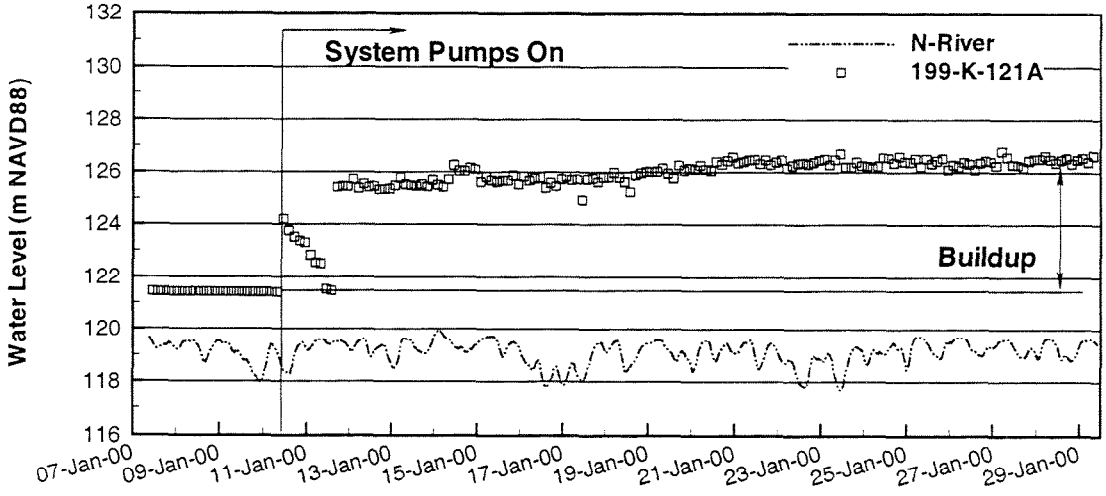

199-K-125A Water Level (m NAVD88)
121
120
119
118
No Pumping
Pump and Treat Operating
Drawdown
118.5
119
119.5
120
N-River Water Level (m NAVD88)

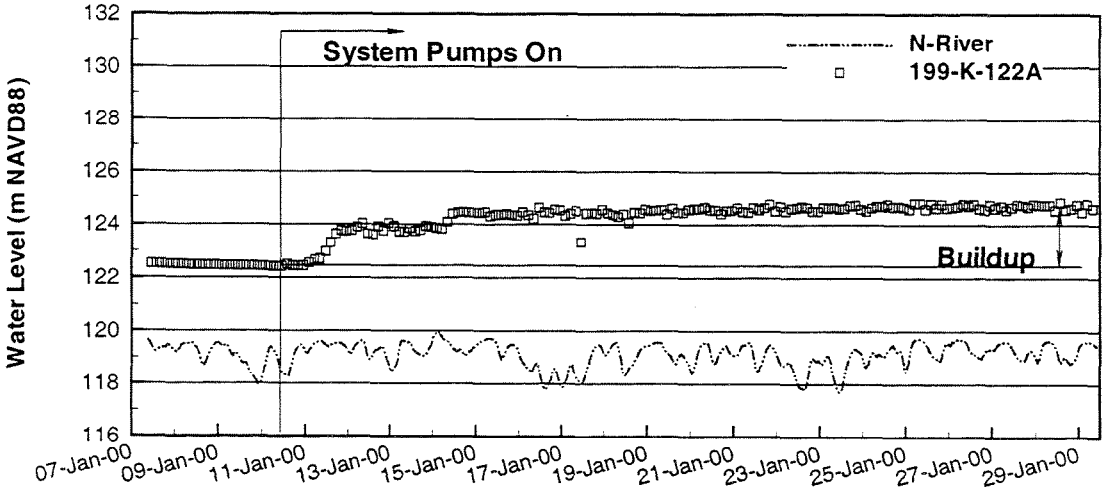

N-River
199-K-119A
199-K-120A
System Pumps On
Water Level (m NAVD88)
121
120
119
118
117
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

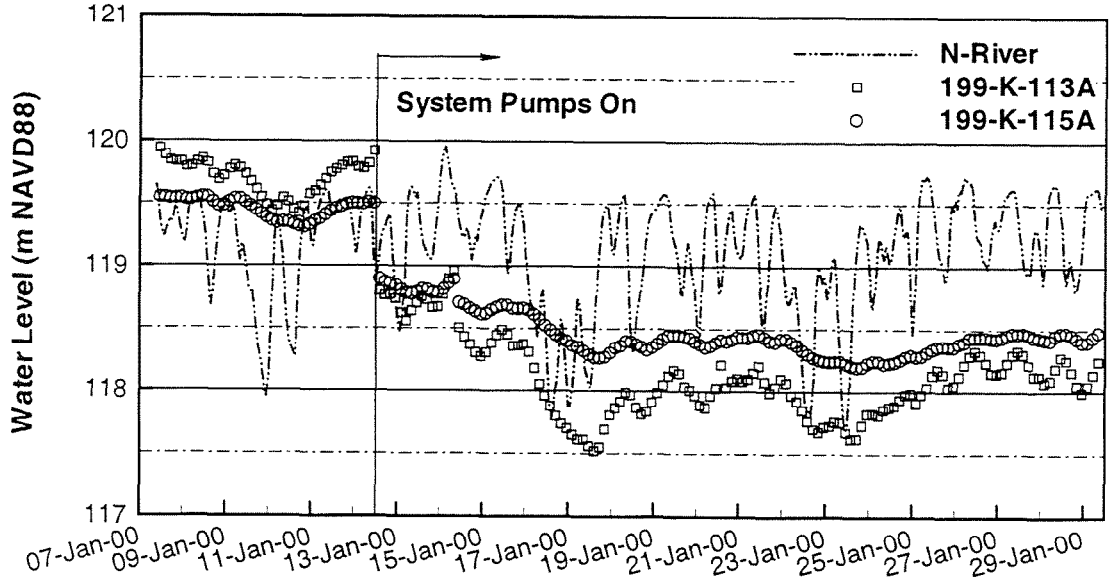

No Pumping
Pump and Treat Operating
Drawdown
199-K-119A Water Level (m NAVD88)
121
120
119
118
118.5
119
119.5
120
N-River Water Level (m NAVD88)

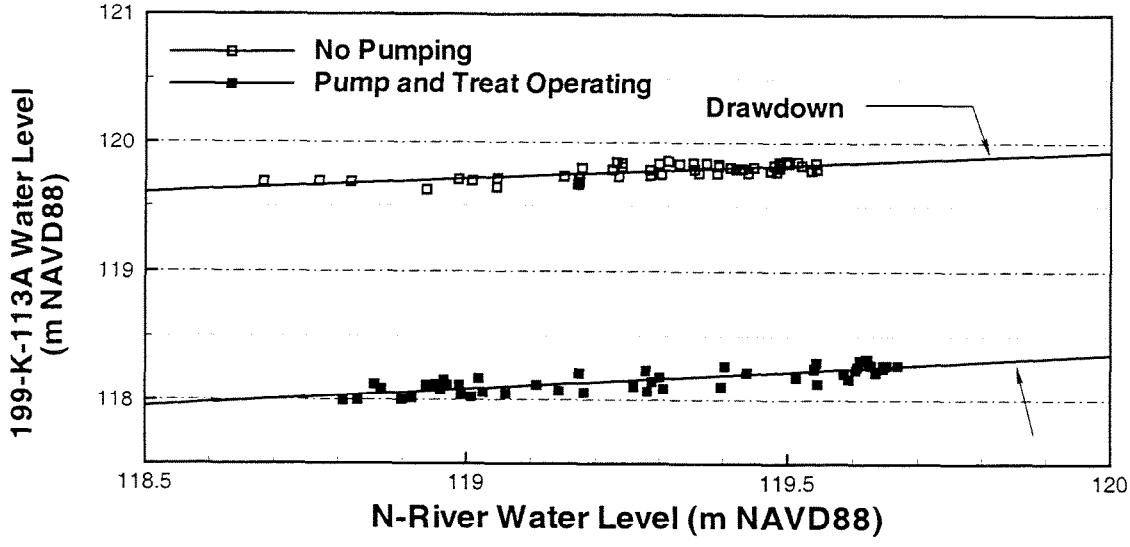

No Pumping
Pump and Treat Operating
Drawdown
199-K-120A Water Level (m NAVD88)
121
120
119
118
118.5
119
119.5
120
N-River Water Level (m NAVD88)

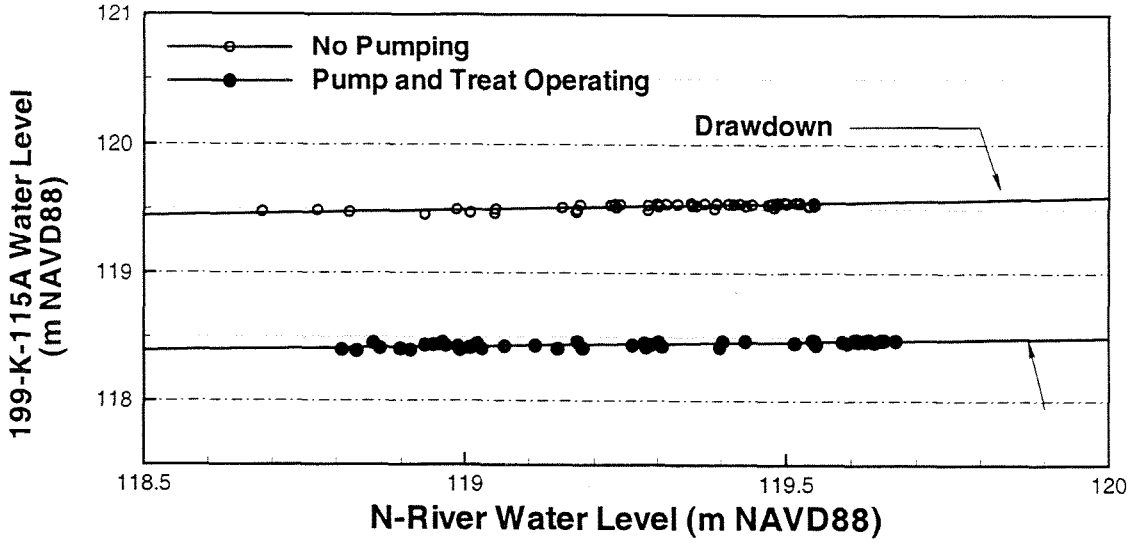

System Pumps On
N-River
199-K-121A
199-K-122A
Water Level (m NAVD88)
132
130
128
126
124
122
120
118
116
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

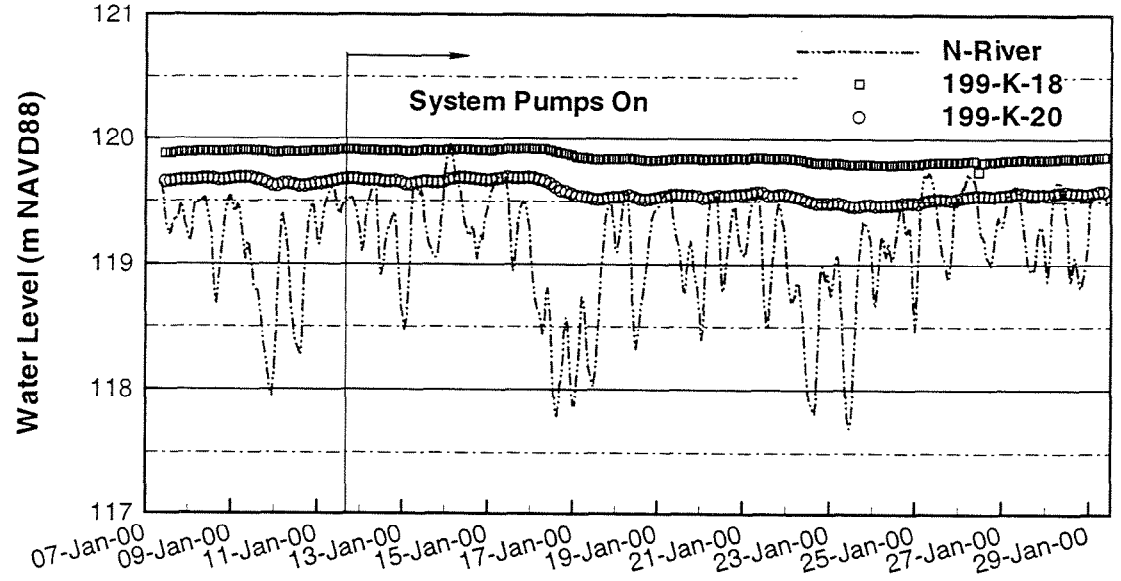

System Pumps On
N-River
199-K-121A
Buildup
Water Level (m NAVD88)
132
130
128
126
124
122
120
118
116
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

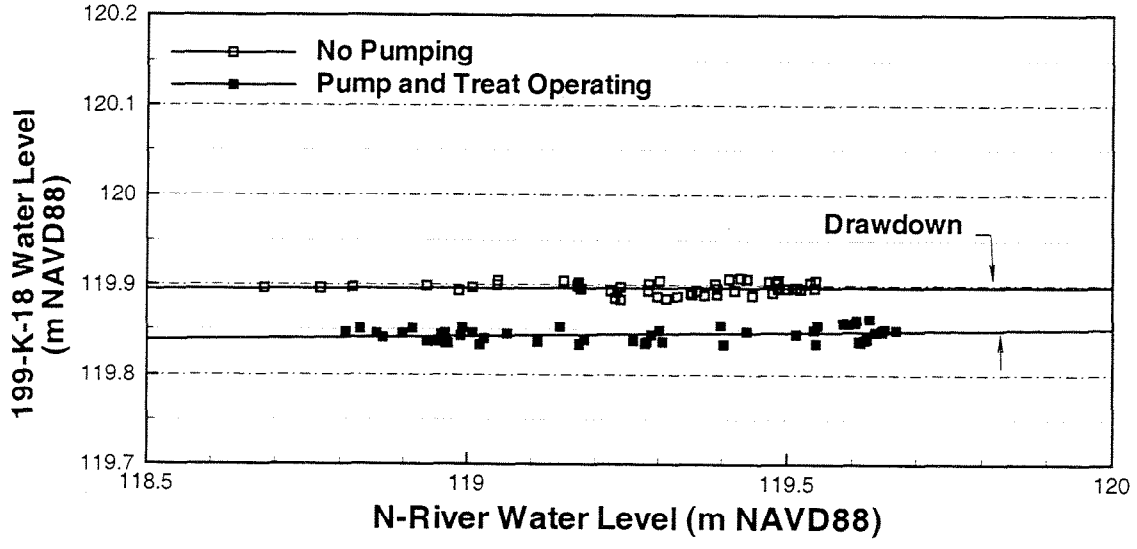

System Pumps On
N-River
199-K-122A
Buildup
Water Level (m NAVD88)
132
130
128
126
124
122
120
118
116
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

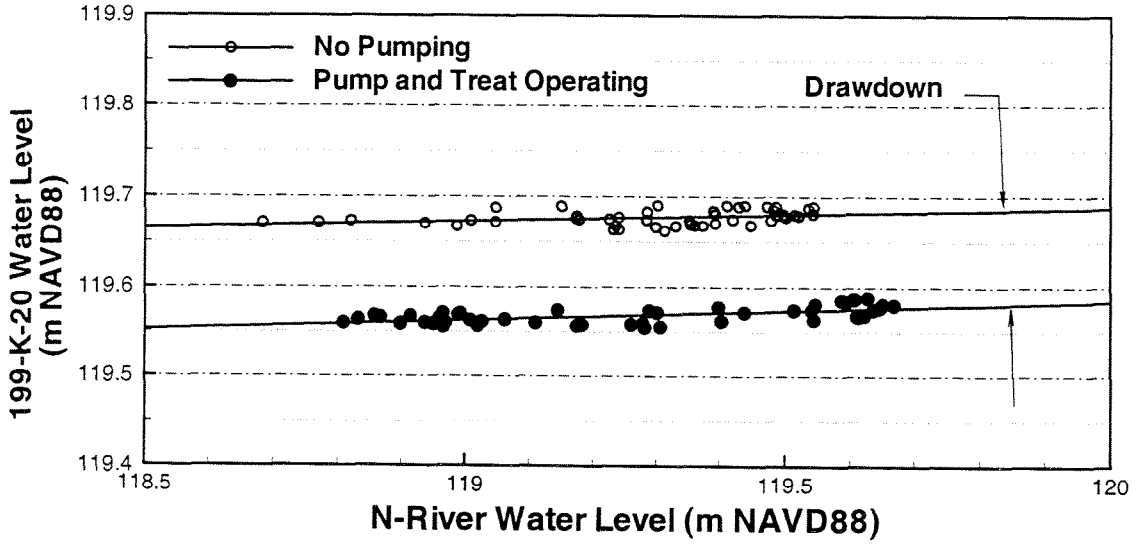

N-River
199-K-113A
199-K-115A
System Pumps On
Water Level (m NAVD88)
121
120
119
118
117
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

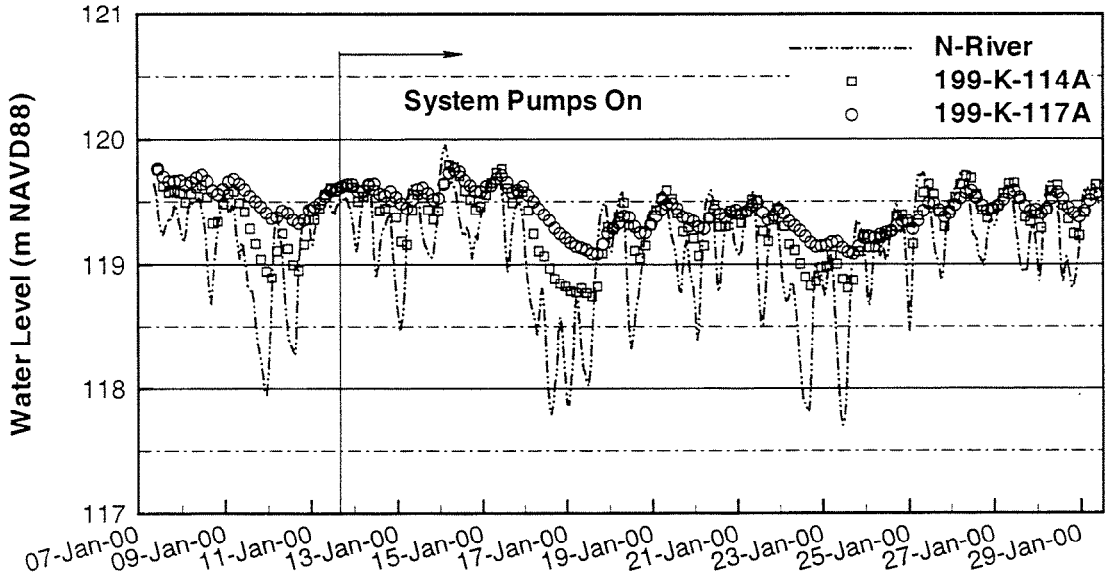

No Pumping
Pump and Treat Operating
Drawdown
199-K-113A Water Level (m NAVD88)
121
120
119
118
118.5
119
119.5
120
N-River Water Level (m NAVD88)

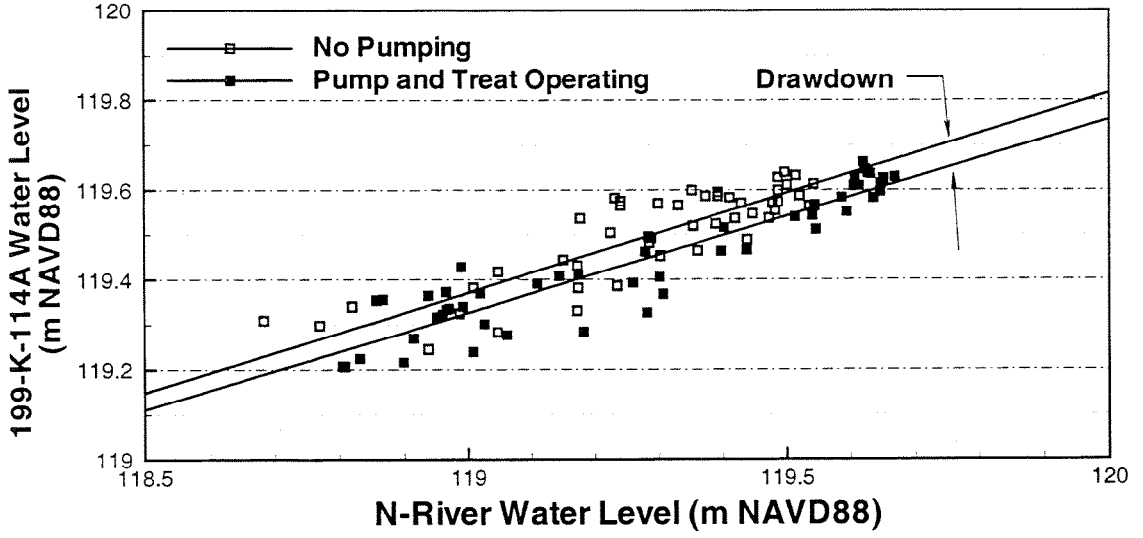

No Pumping
Pump and Treat Operating
Drawdown
199-K-115A Water Level (m NAVD88)
121
120
119
118
118.5
119
119.5
120
N-River Water Level (m NAVD88)

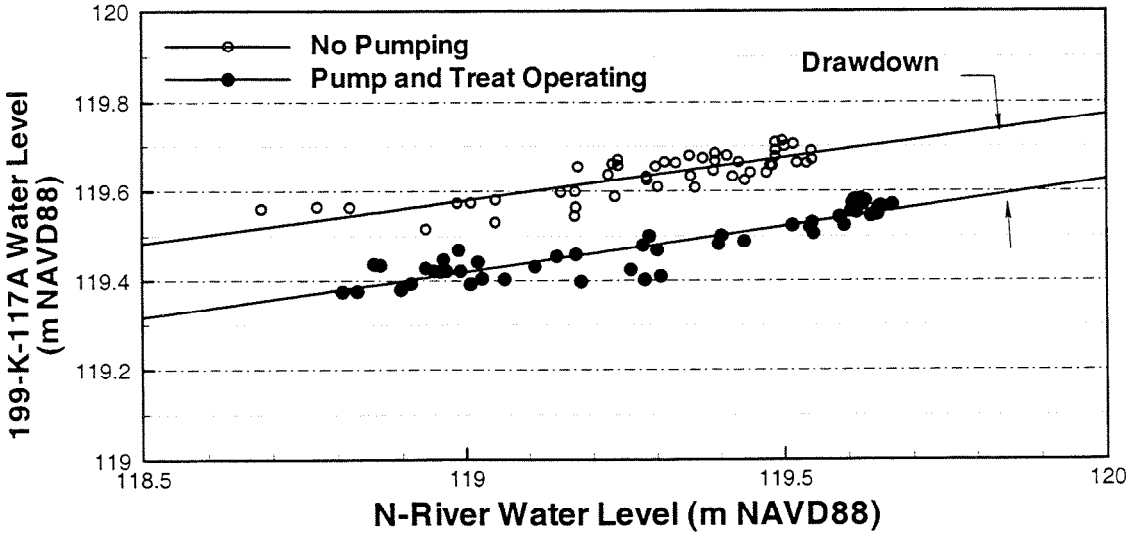

N-River
199-K-18
199-K-20
System Pumps On
Water Level (m NAVD88)
121
120
119
118
117
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

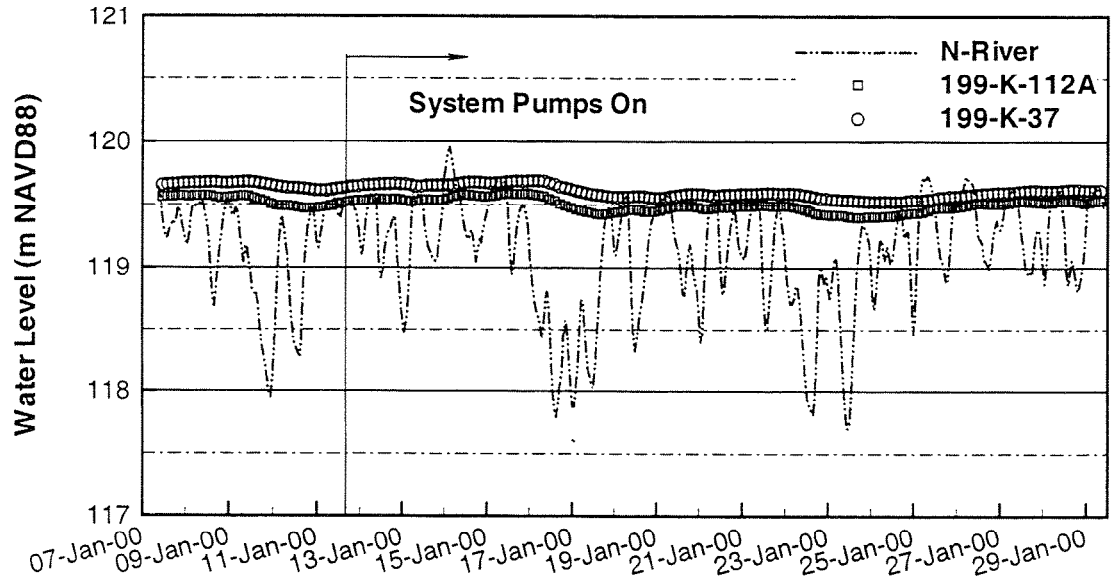

No Pumping
Pump and Treat Operating
Drawdown
199-K-18 Water Level (m NAVD88)
120.2
120.1
120
119.9
119.8
119.7
118.5
119
119.5
120
N-River Water Level (m NAVD88)

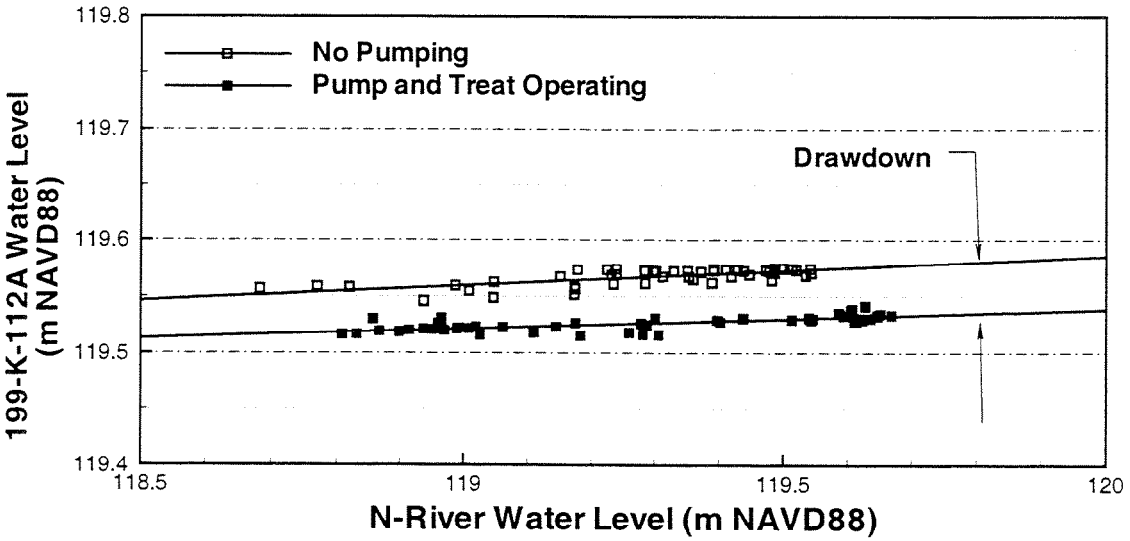

No Pumping
Pump and Treat Operating
Drawdown
199-K-20 Water Level (m NAVD88)
119.9
119.8
119.7
119.6
119.5
119.4
118.5
119
119.5
120
N-River Water Level (m NAVD88)

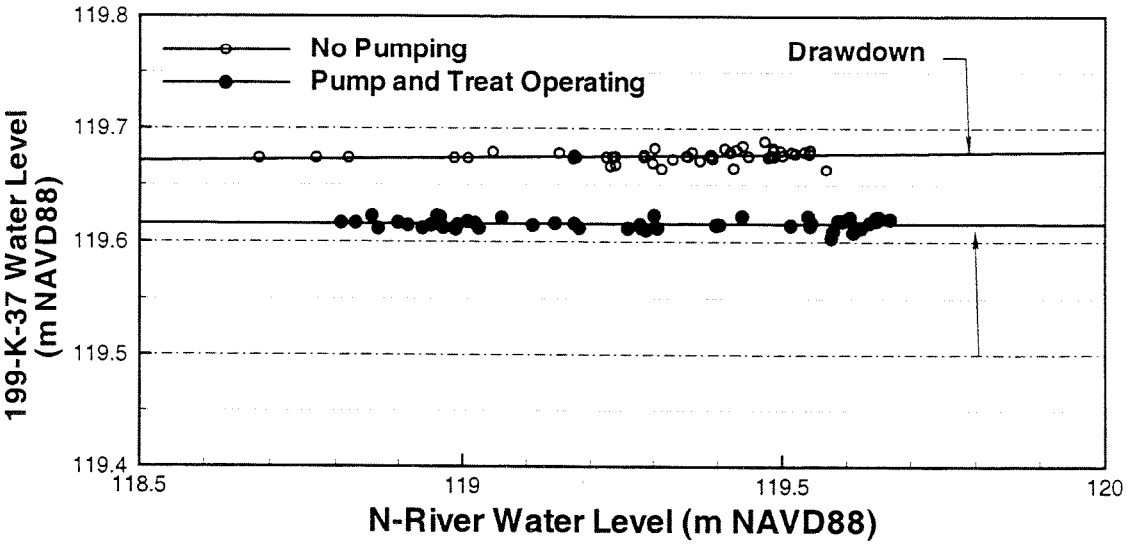

N-River
199-K-114A
199-K-117A
System Pumps On
Water Level (m NAVD88)
121
120
119
118
117
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

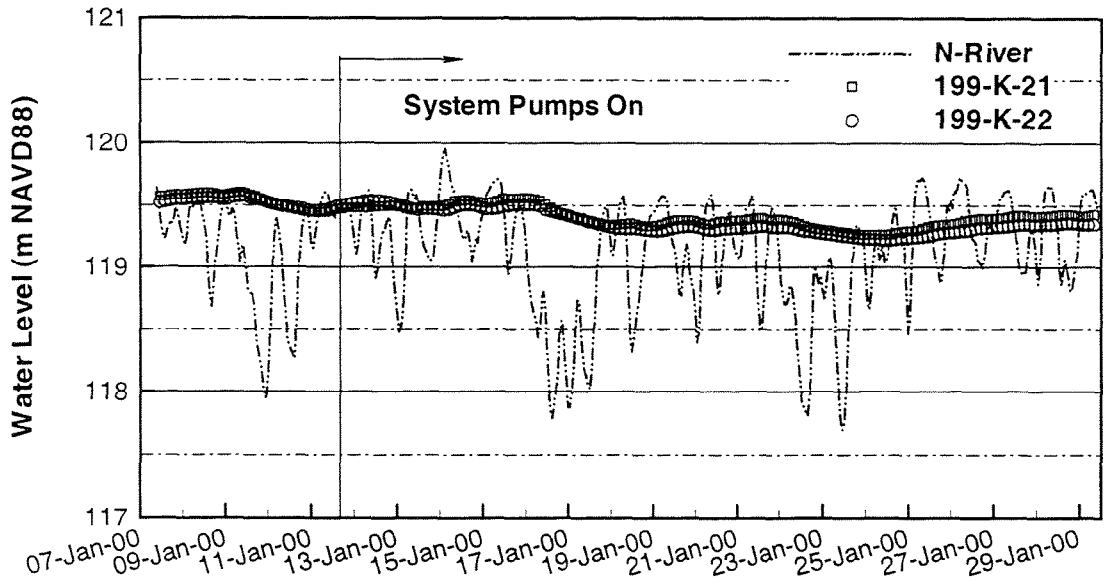

No Pumping
Pump and Treat Operating
Drawdown
199-K-114A Water Level (m NAVD88)
120
119.8
119.6
119.4
119.2
119
118.5
119
119.5
120
N-River Water Level (m NAVD88)

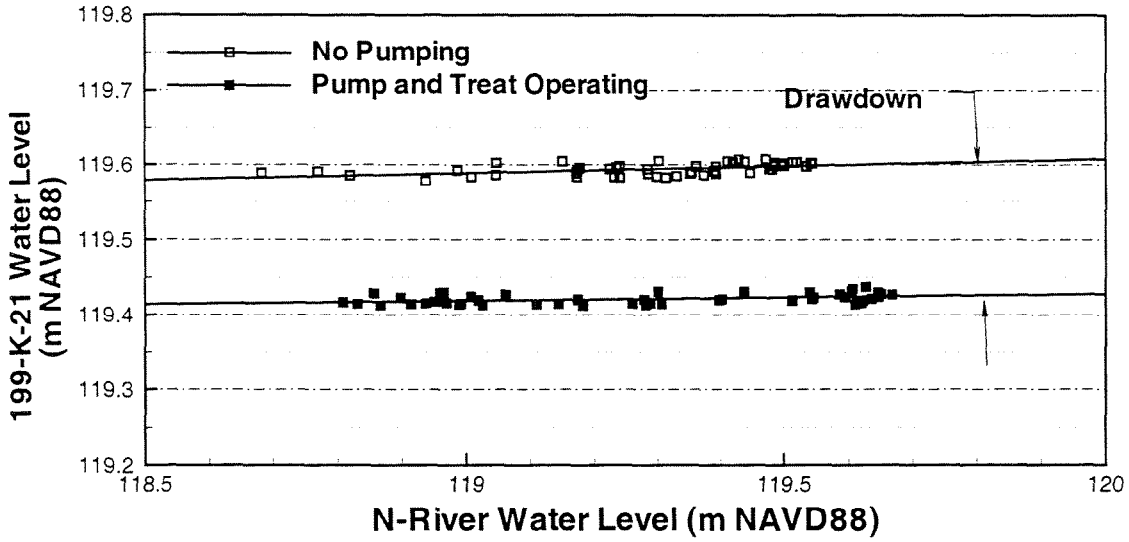

No Pumping
Pump and Treat Operating
Drawdown
199-K-117A Water Level (m NAVD88)
120
119.8
119.6
119.4
119.2
119
118.5
119
119.5
120
N-River Water Level (m NAVD88)

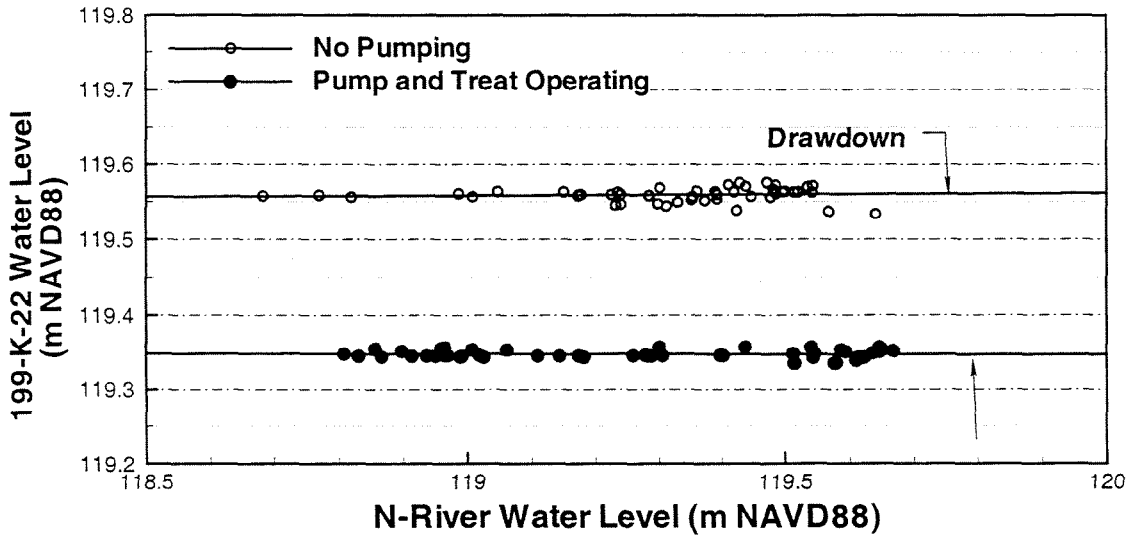

Water Level (m NAVD88)
121
120
119
118
117
System Pumps On
N-River
199-K-112A
199-K-37
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00


199-K-112A Water Level (m NAVD88)
119.8
119.7
119.6
119.5
119.4
No Pumping
Pump and Treat Operating
Drawdown
118.5
119
119.5
120
N-River Water Level (m NAVD88)


199-K-37 Water Level (m NAVD88)
119.8
119.7
119.6
119.5
119.4
No Pumping
Pump and Treat Operating
Drawdown
118.5
119
119.5
120
N-River Water Level (m NAVD88)


N-River
199-K-21
199-K-22
System Pumps On
Water Level (m NAVD88)
121
120
119
118
117
07-Jan-00
09-Jan-00
11-Jan-00
13-Jan-00
15-Jan-00
17-Jan-00
19-Jan-00
21-Jan-00
23-Jan-00
25-Jan-00
27-Jan-00
29-Jan-00

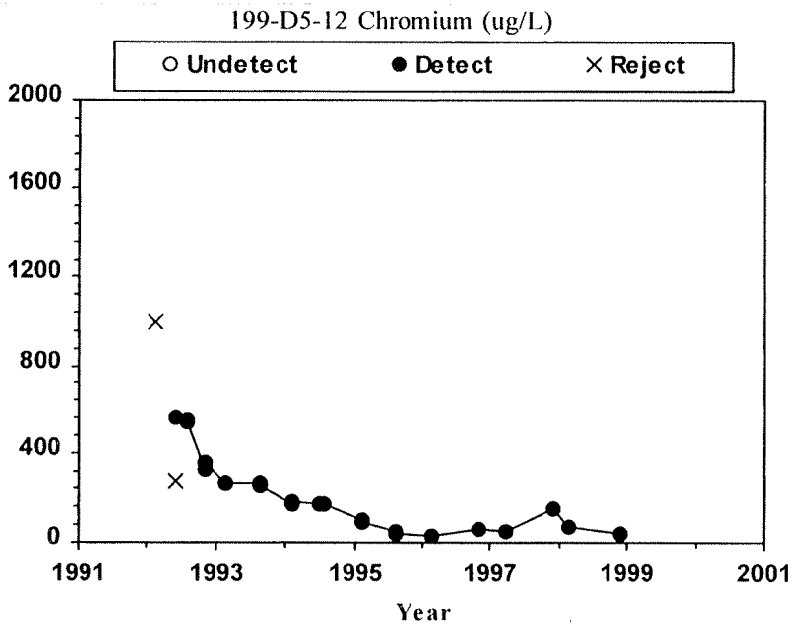

No Pumping
Pump and Treat Operating
Drawdown
199-K-21 Water Level (m NAVD88)
119.8
119.7
119.6
119.5
119.4
119.3
119.2
118.5
119
119.5
120
N-River Water Level (m NAVD88)

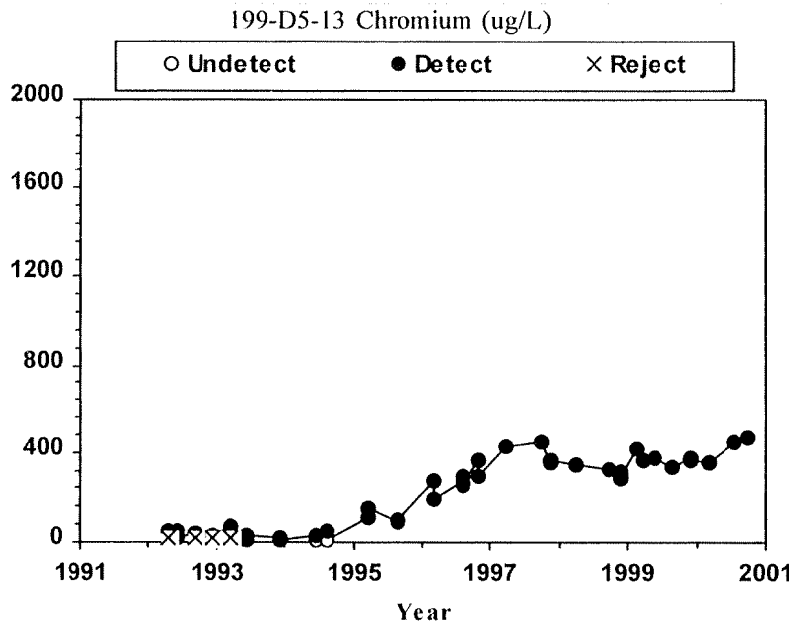

No Pumping
Pump and Treat Operating
Drawdown
199-K-22 Water Level (m NAVD88)
119.8
119.7
119.6
119.5
119.4
119.3
119.2
118.5
119
119.5
120
N-River Water Level (m NAVD88)

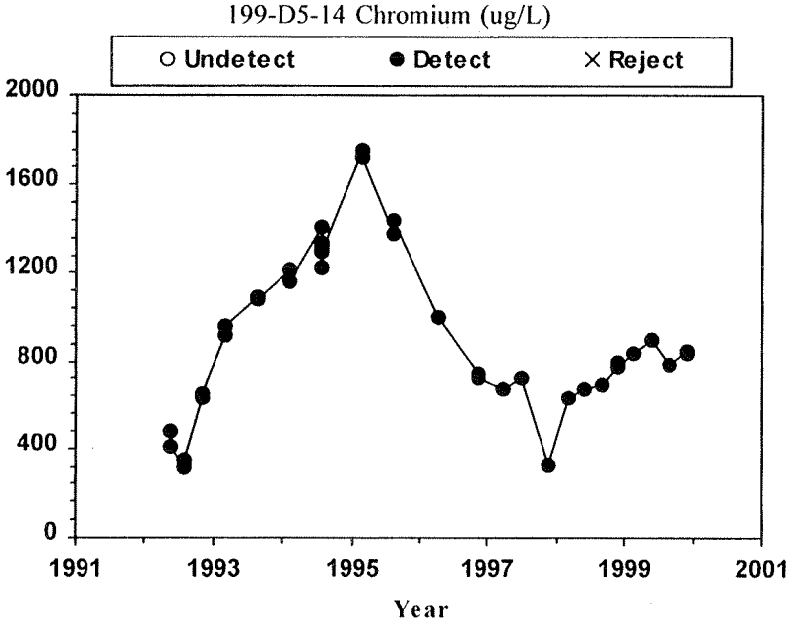
APPENDIX D

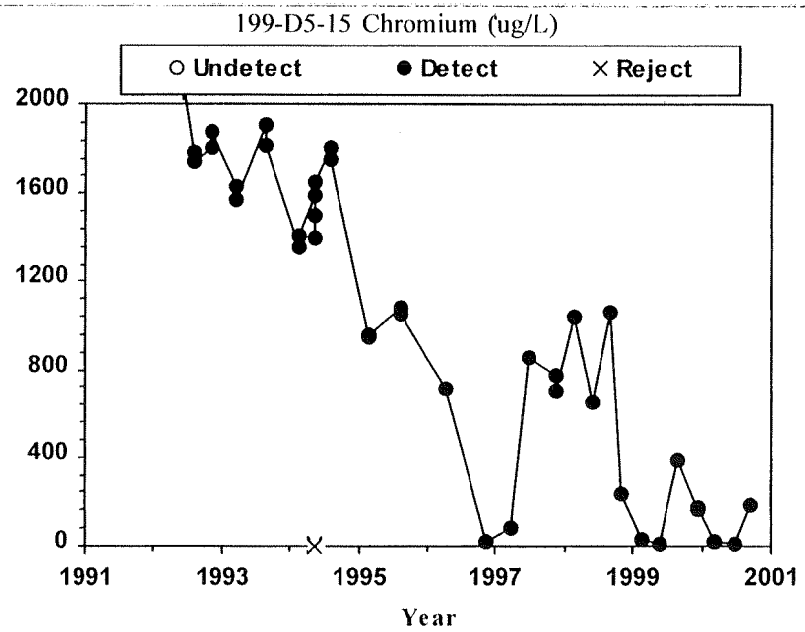
100-HR-3 CONTAMINANT TREND PLOTS FOR THE 100-D AREA WELLS

Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

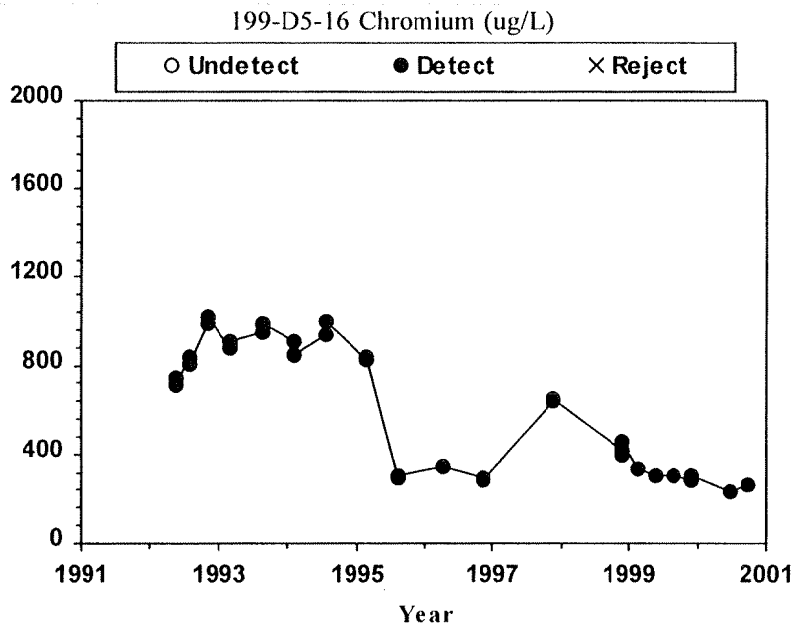


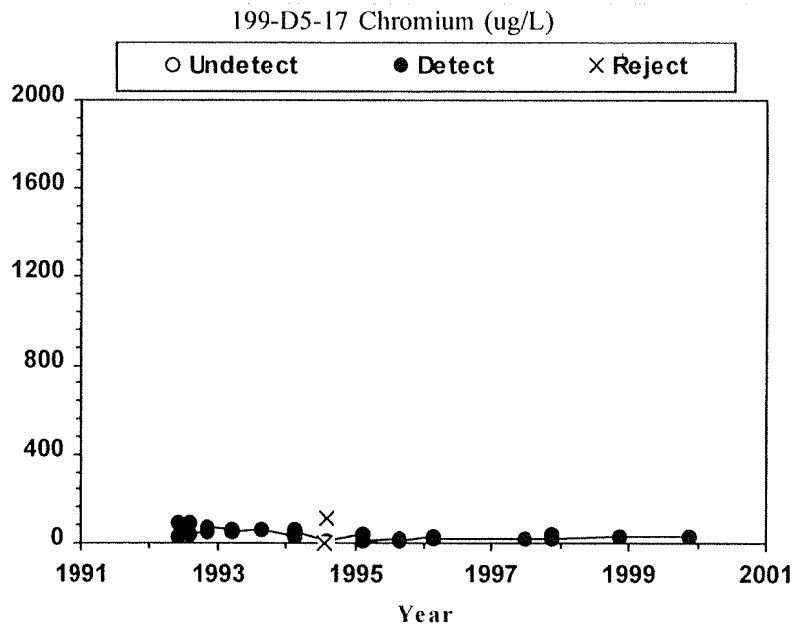


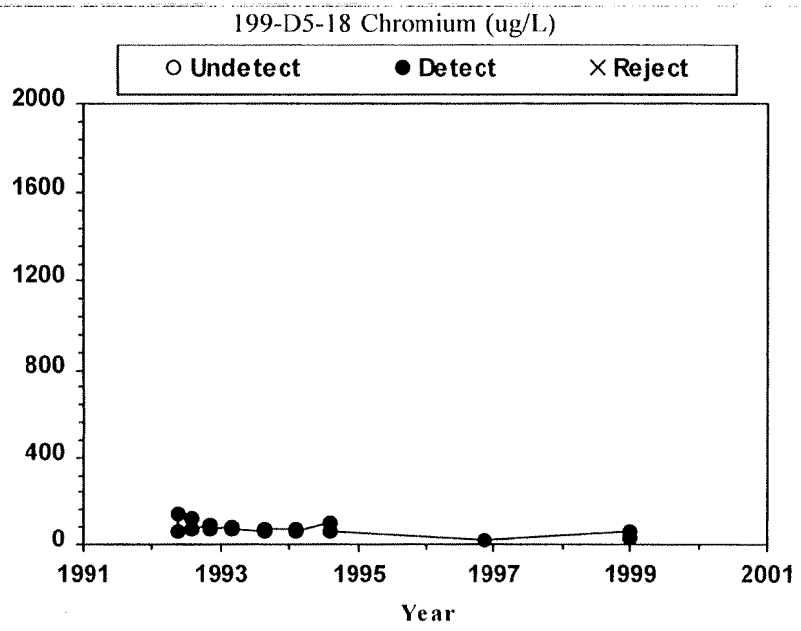


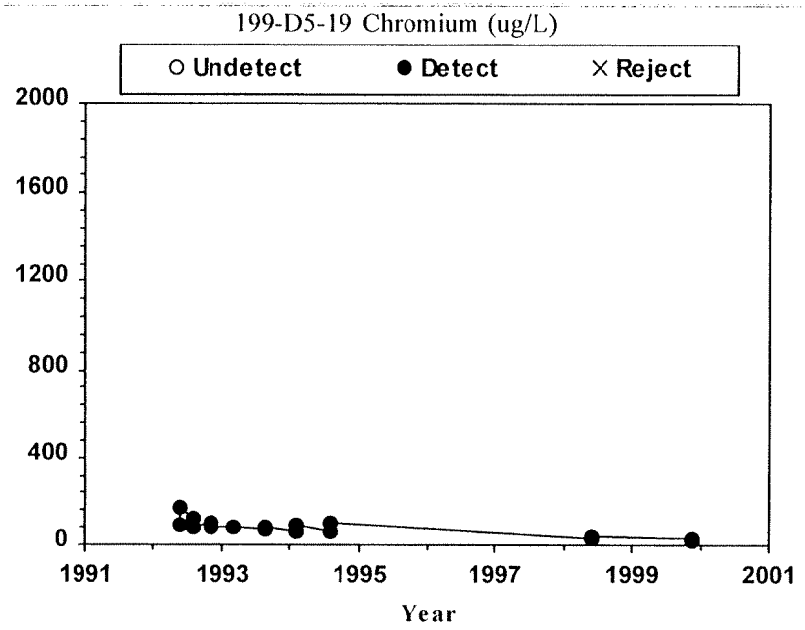


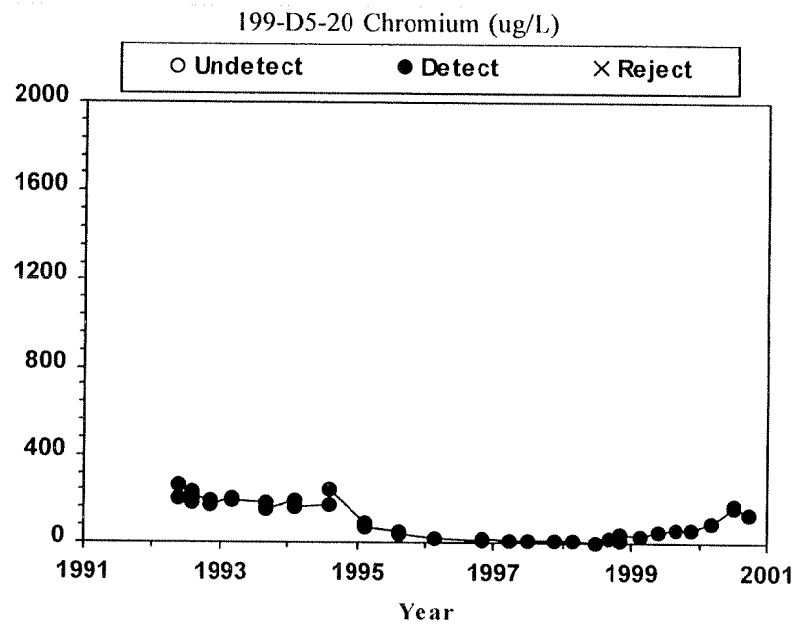
Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

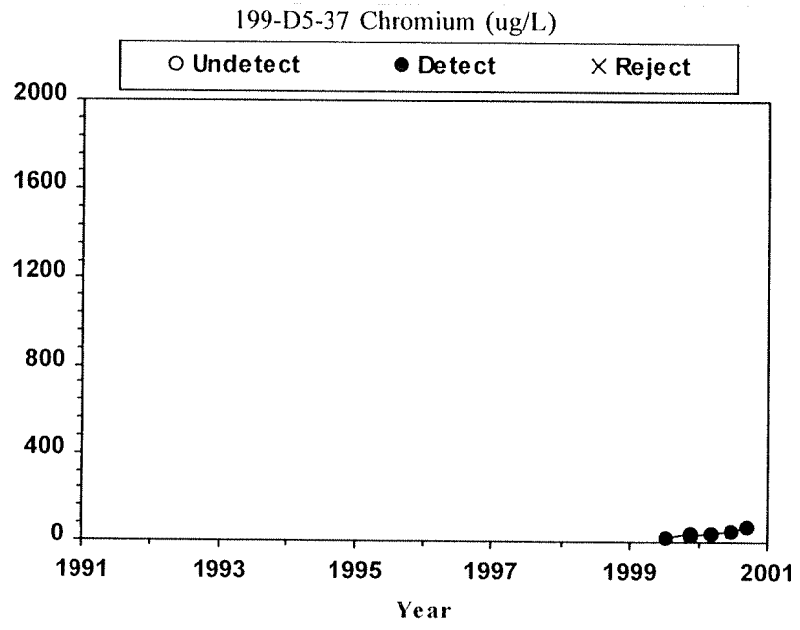


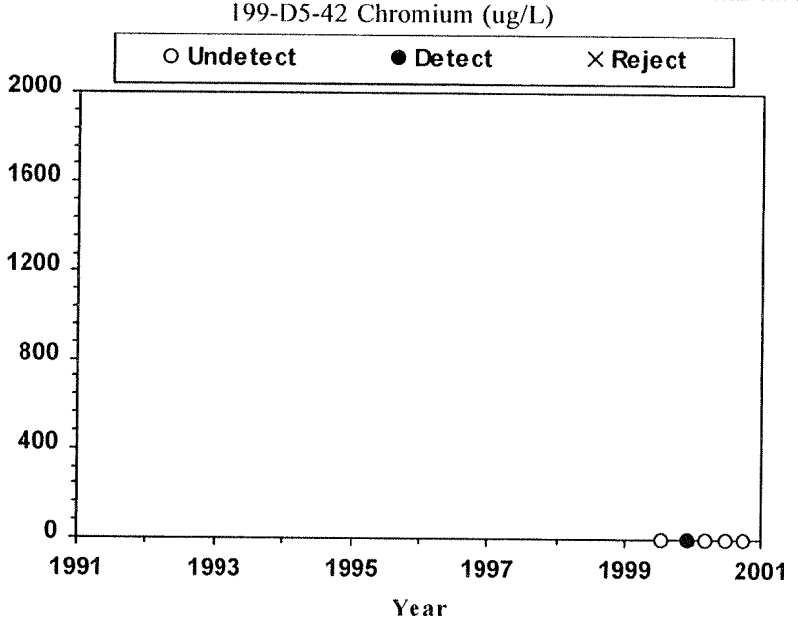


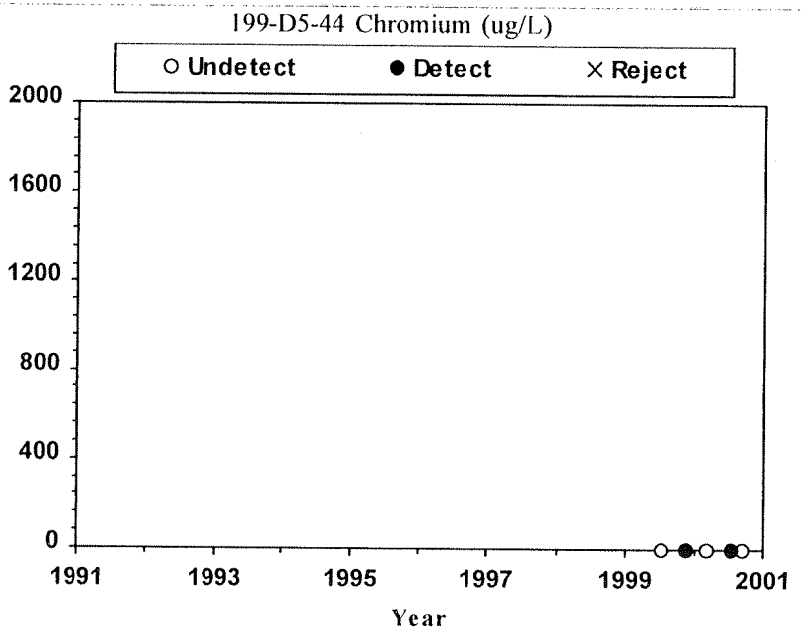




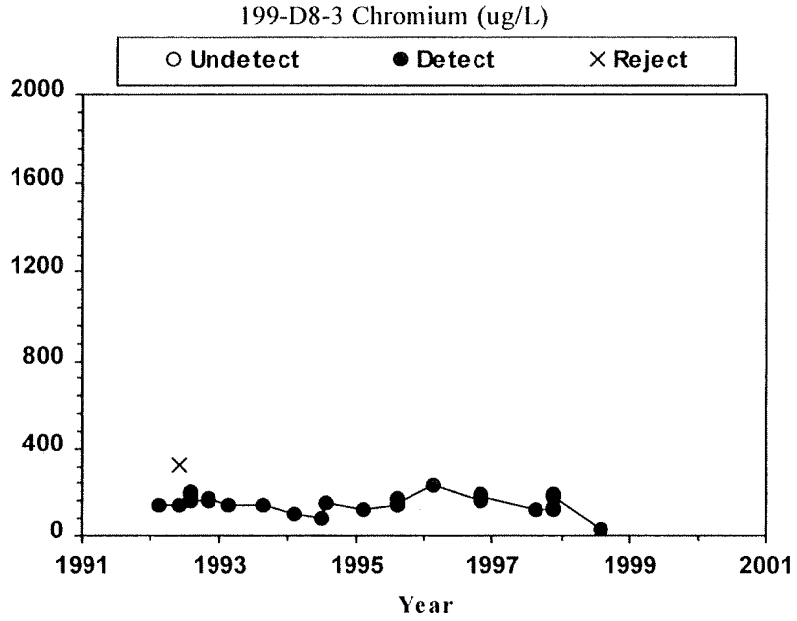

199-D5-20 Chromium (ug/L)
Undetect
Detect
Reject
2000
1600
1200
800
400
0
1991
1993
1995
1997
1999
2001
Year

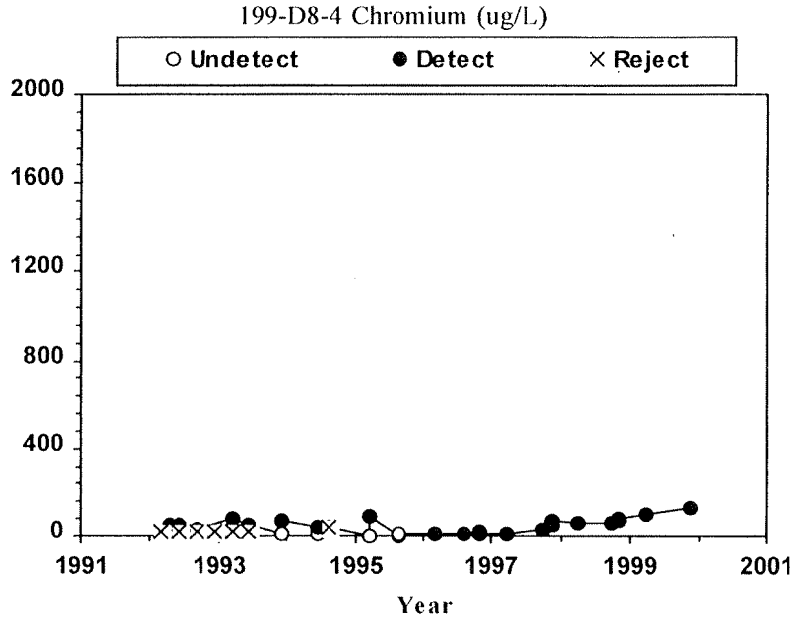

199-D5-37 Chromium (ug/L)
Undetect
Detect
Reject
2000
1600
1200
800
400
0
1991
1993
1995
1997
1999
2001
Year

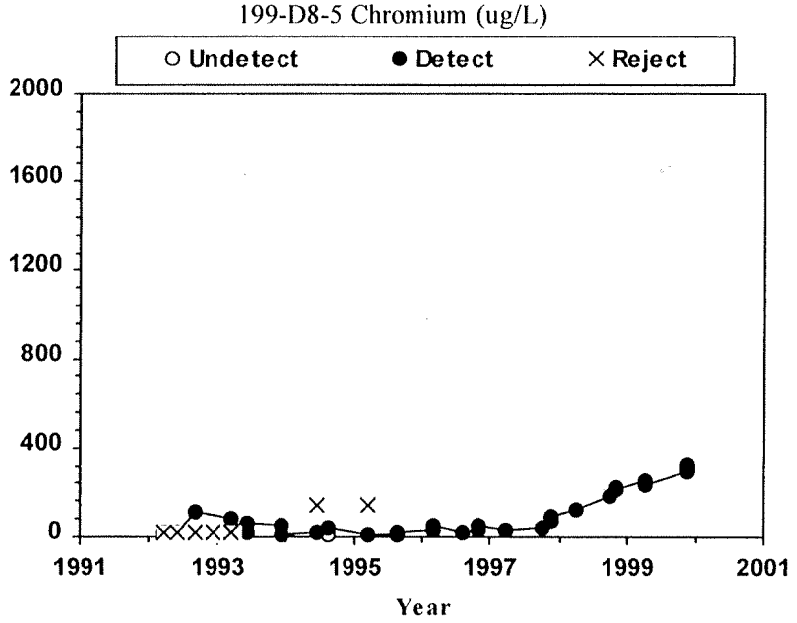

199-D5-42 Chromium (ug/L)
Undetect
Detect
Reject
2000
1600
1200
800
400
0
1991
1993
1995
1997
1999
2001
Year

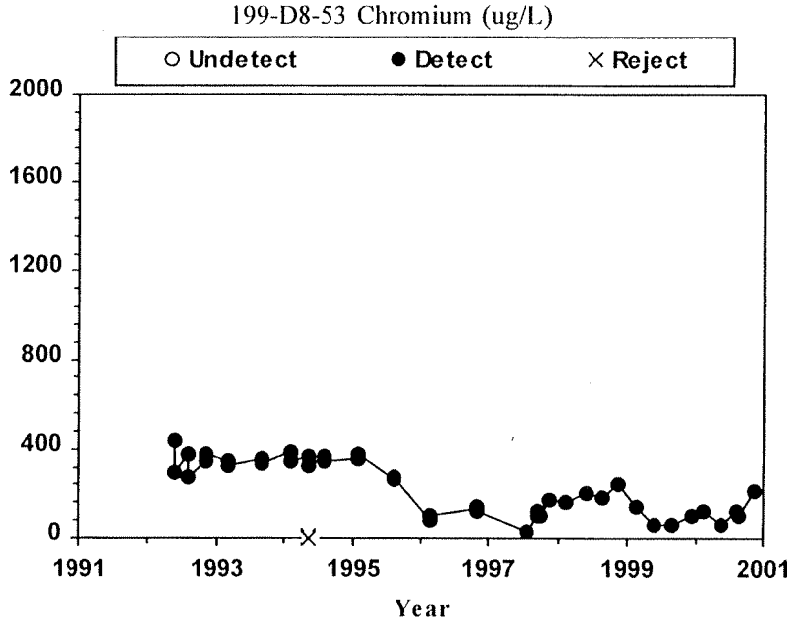

199-D5-44 Chromium (ug/L)
Undetect
Detect
Reject
2000
1600
1200
800
400
0
1991
1993
1995
1997
1999
2001
Year

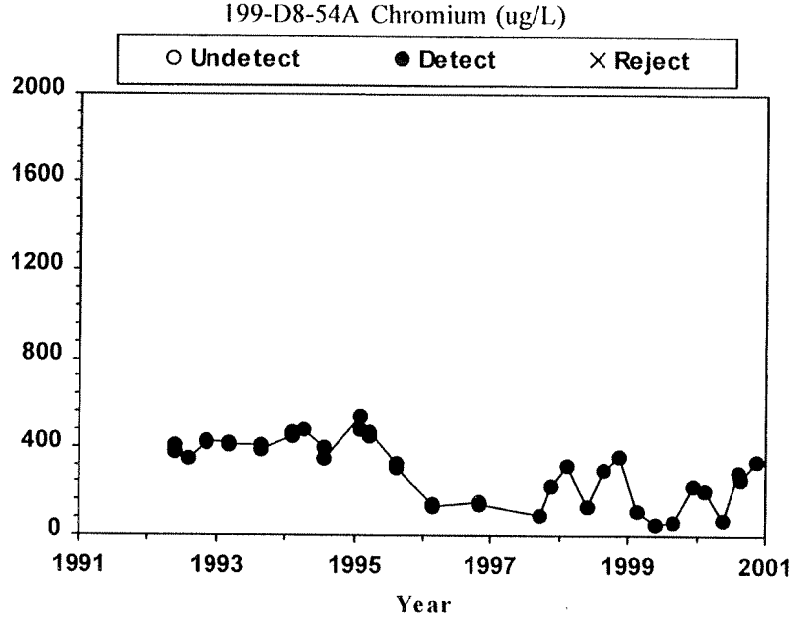
Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

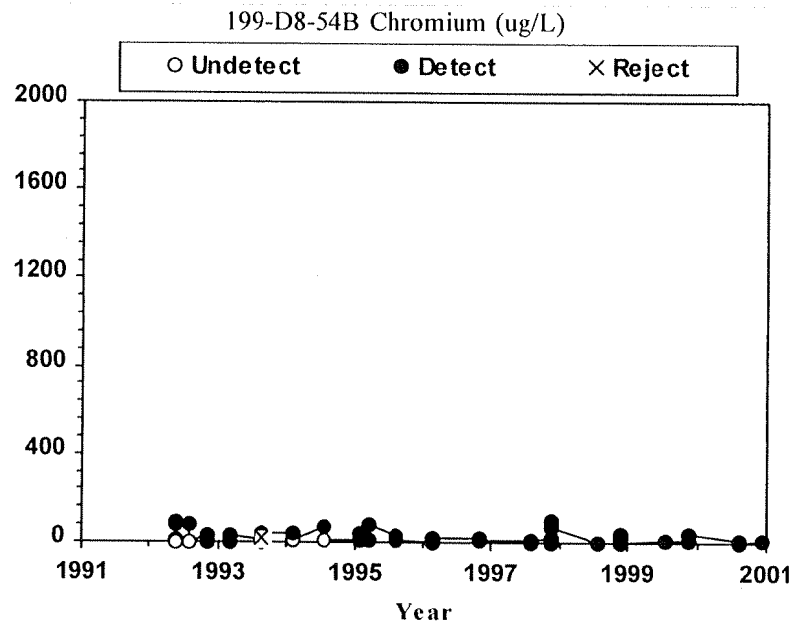


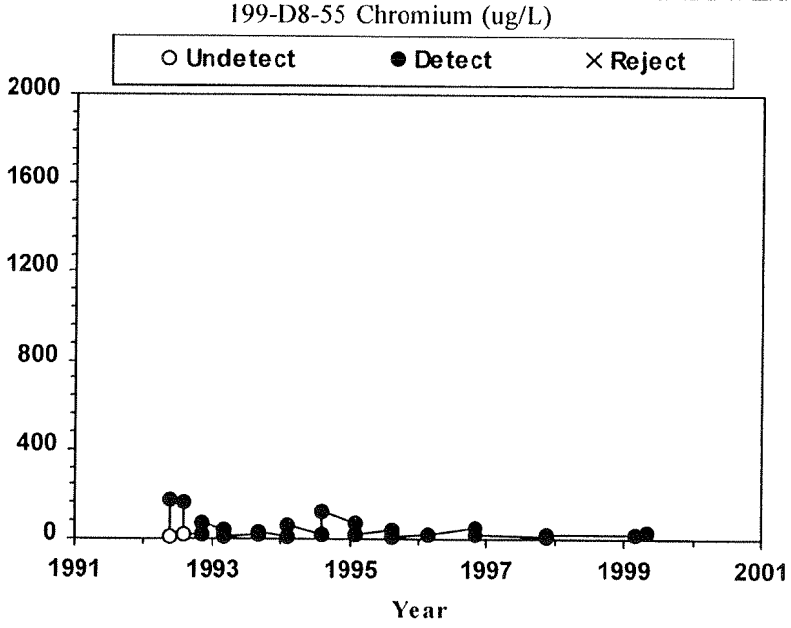


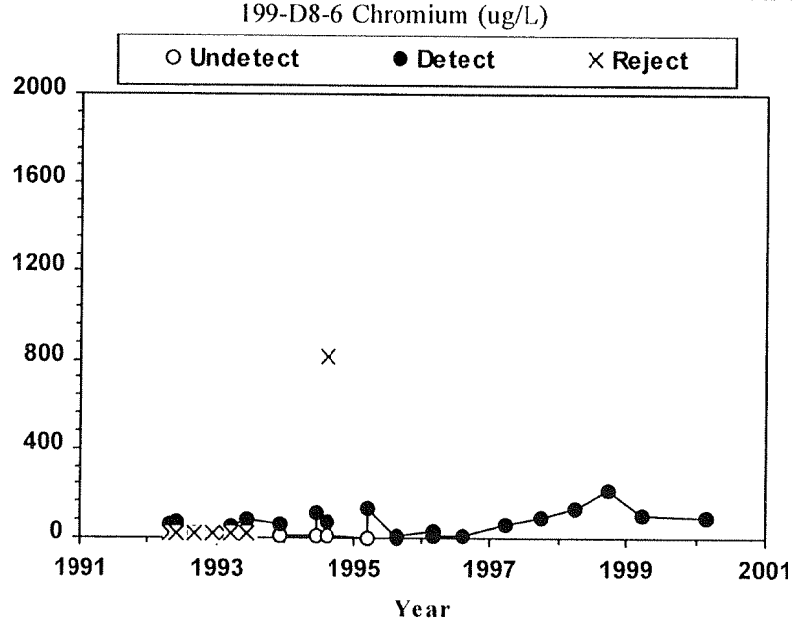




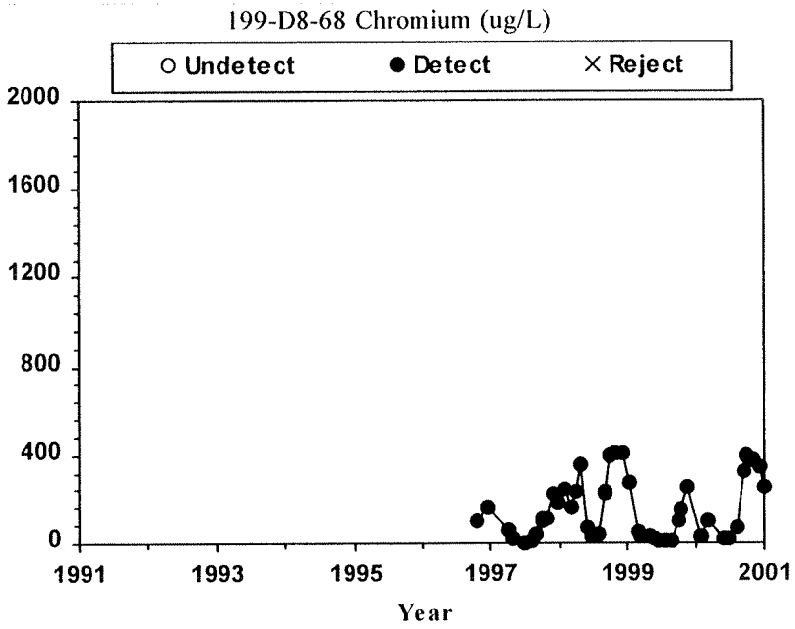

199-D8-54A Chromium (ug/L)
Undetect
Detect
Reject
2000
1600
1200
800
400
0
1991
1993
1995
1997
1999
2001
Year

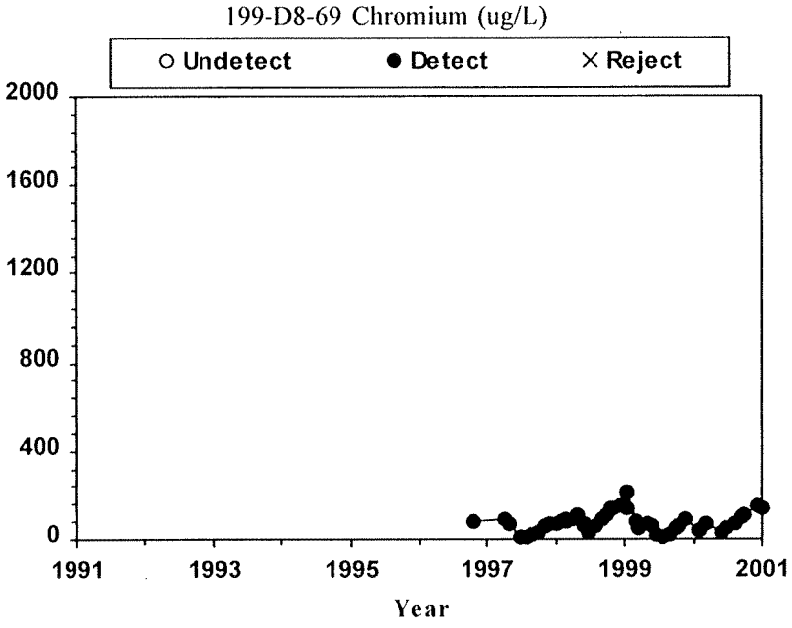

199-D8-54B Chromium (ug/L)
Undetect
Detect
Reject
2000
1600
1200
800
400
0
1991
1993
1995
1997
1999
2001
Year

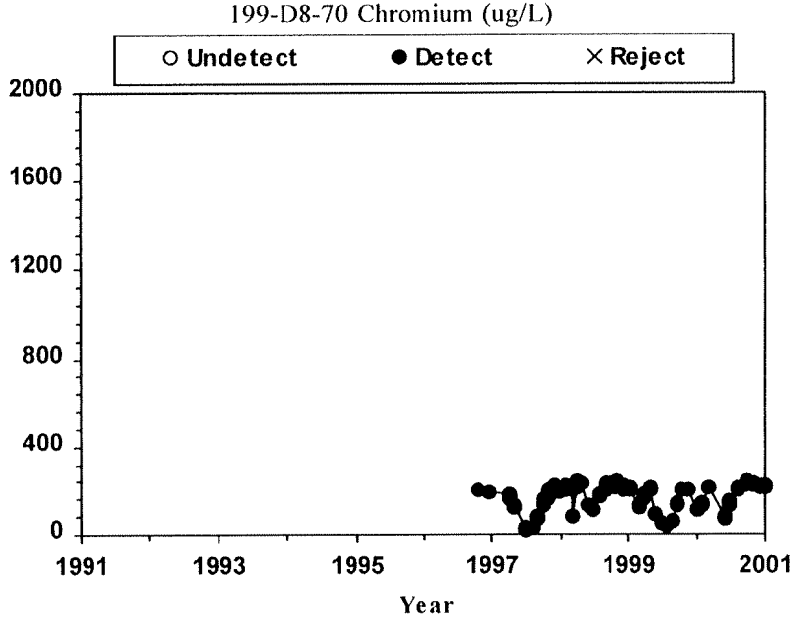

199-D8-55 Chromium (ug/L)
Undetect
Detect
Reject
2000
1600
1200
800
400
0
1991
1993
1995
1997
1999
2001
Year

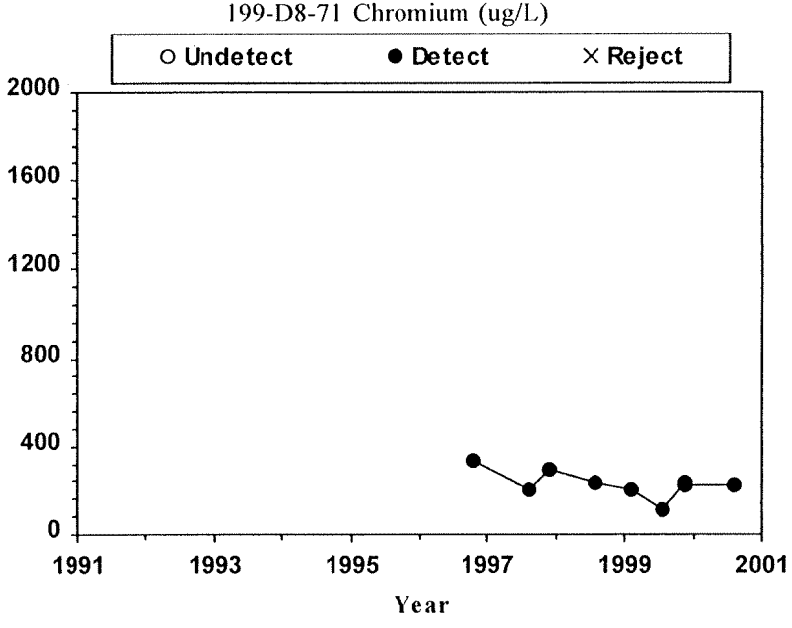

199-D8-6 Chromium (ug/L)
Undetect
Detect
Reject
2000
1600
1200
800
400
0
1991
1993
1995
1997
1999
2001
Year

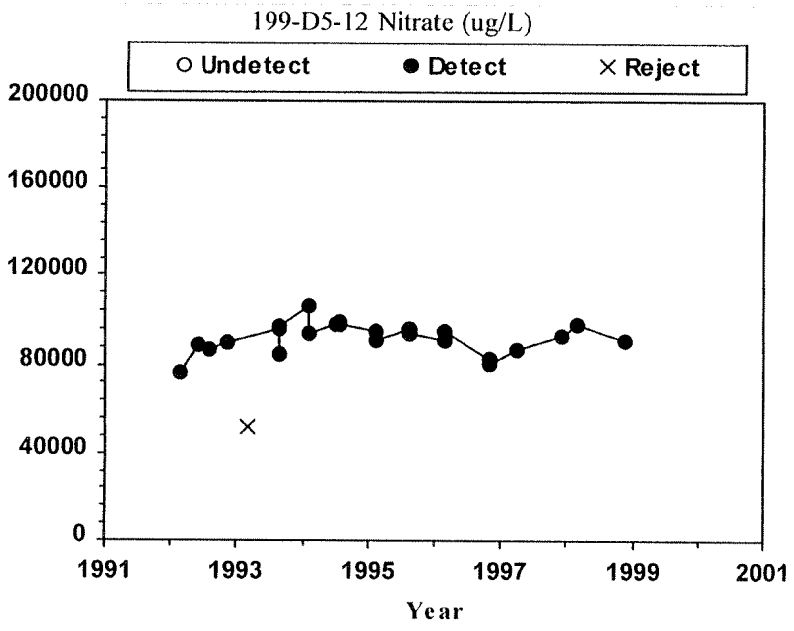
Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

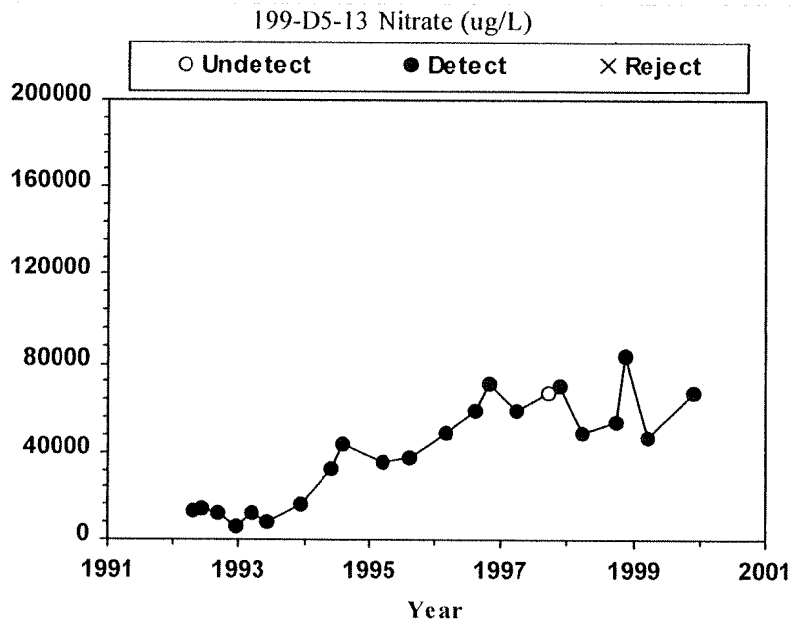


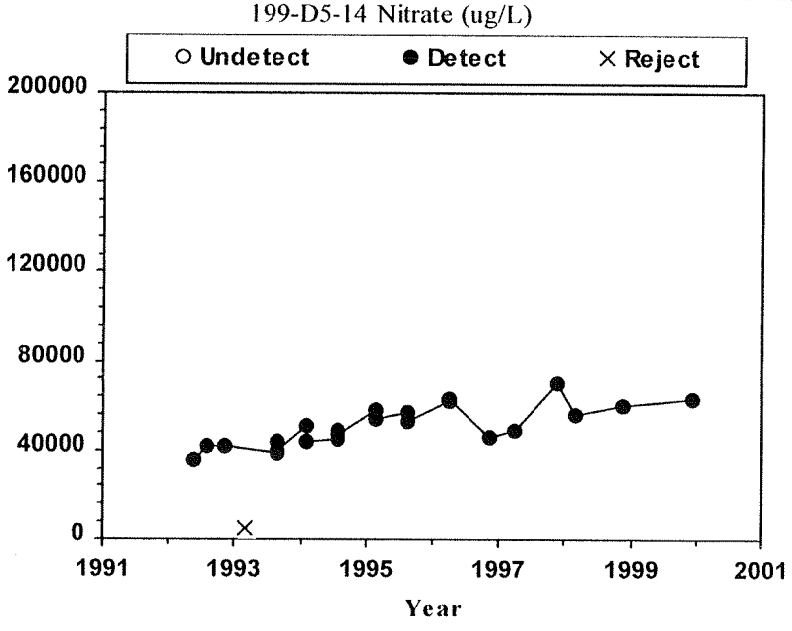


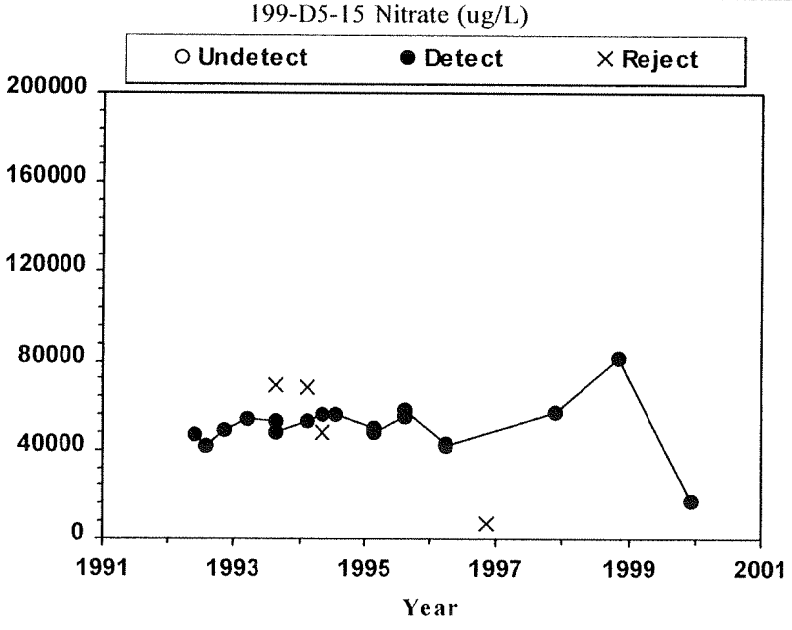




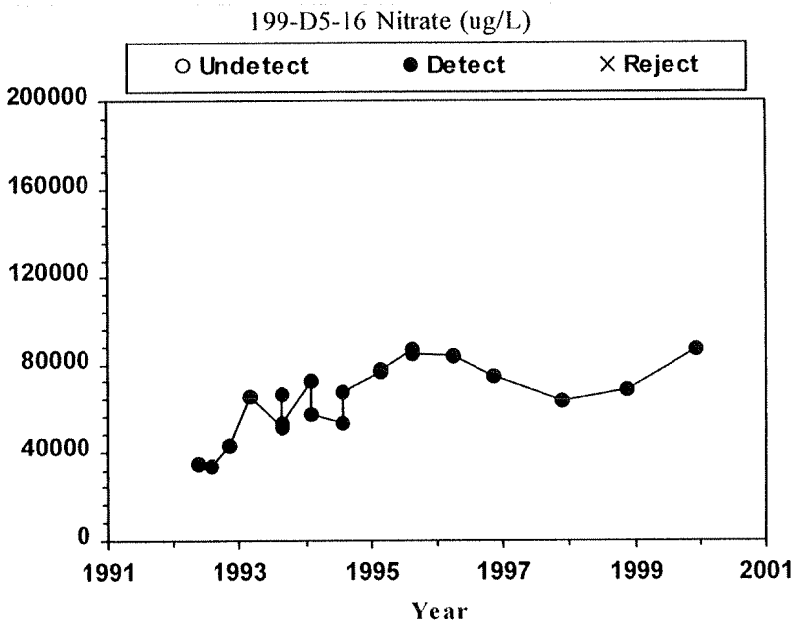

199-D5-12 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

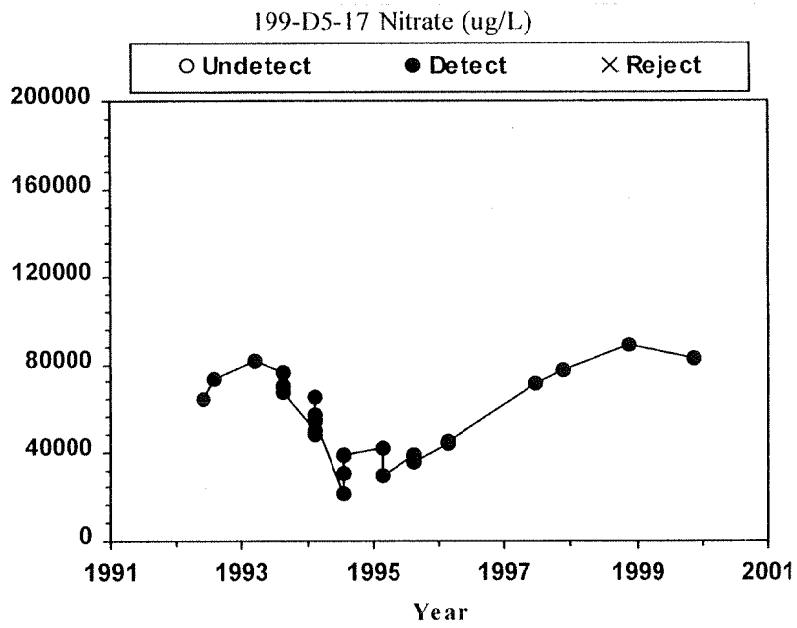

199-D5-13 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

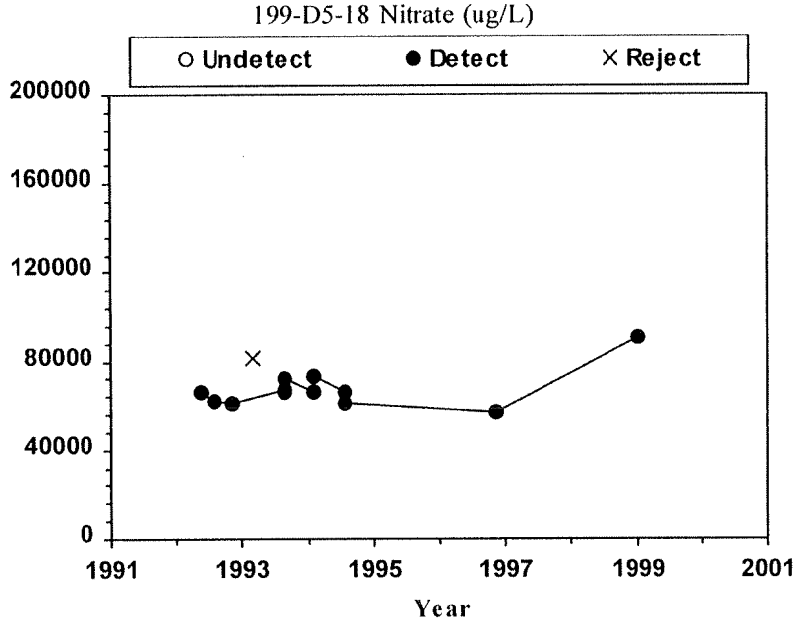

199-D5-14 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

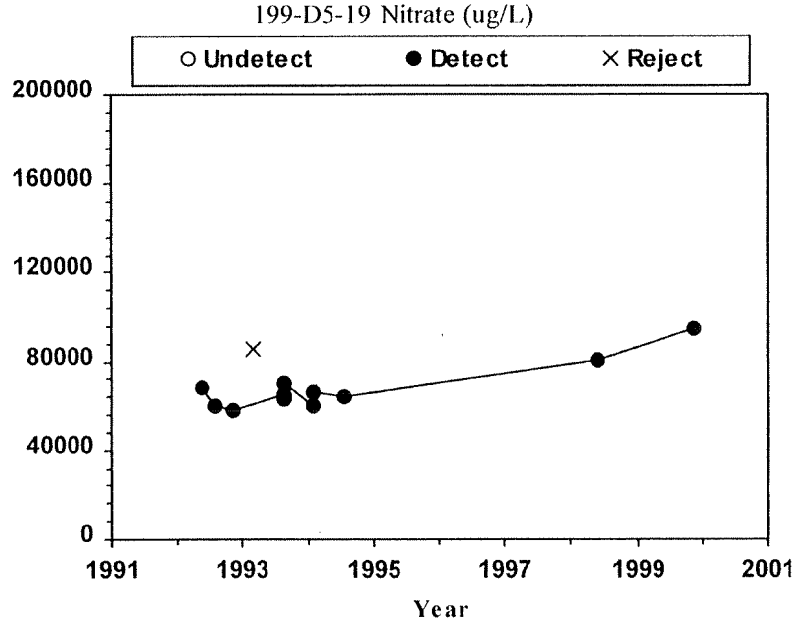

199-D5-15 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

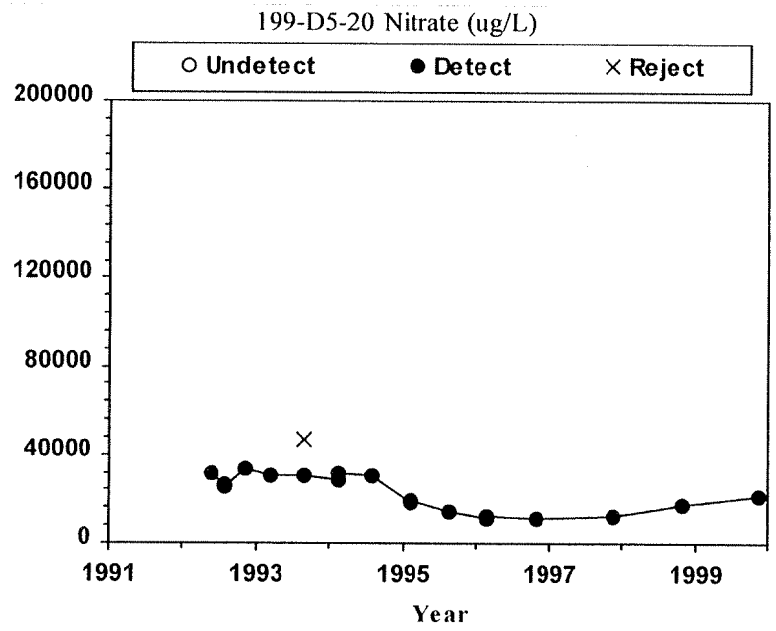
Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

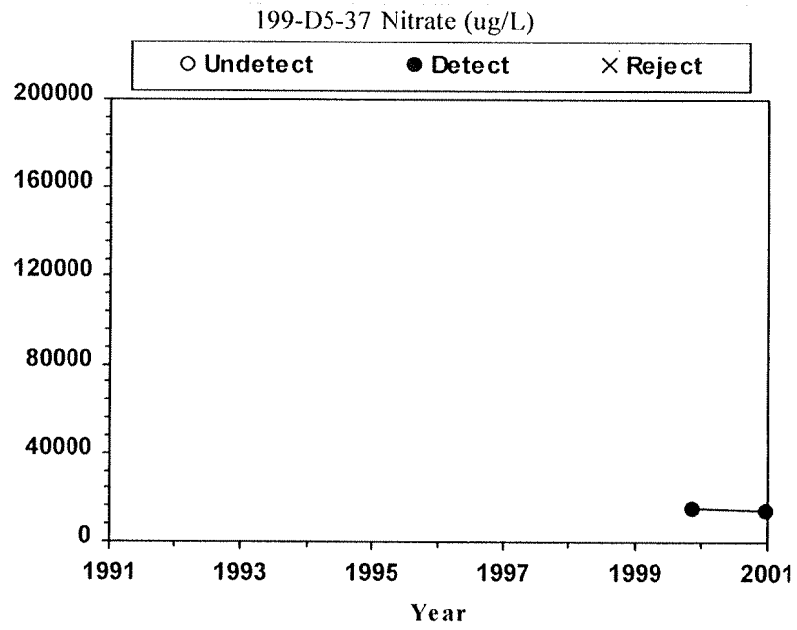


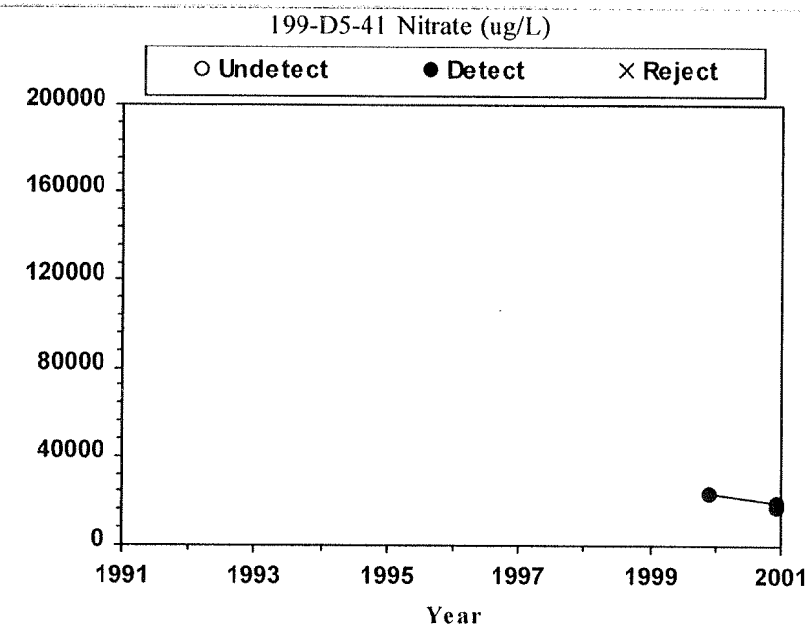


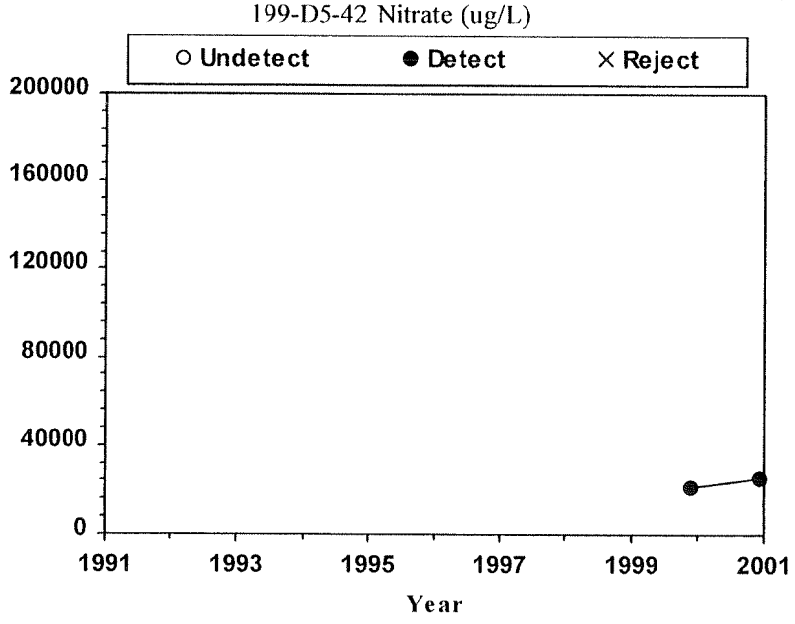




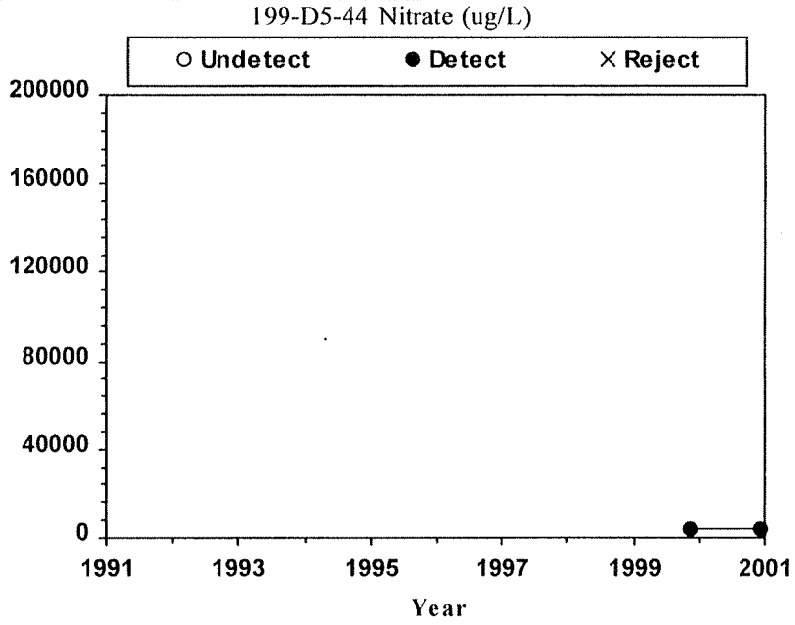

199-D5-20 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
Year

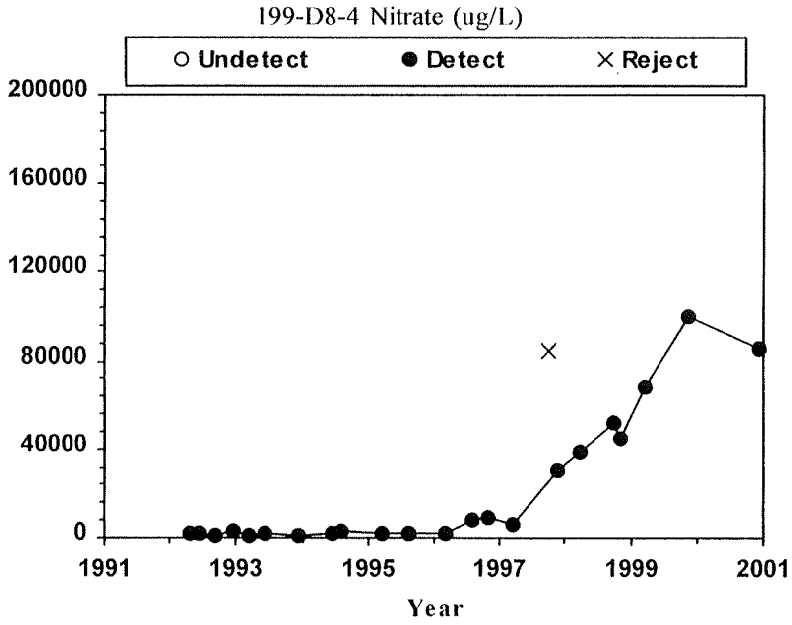

199-D5-37 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

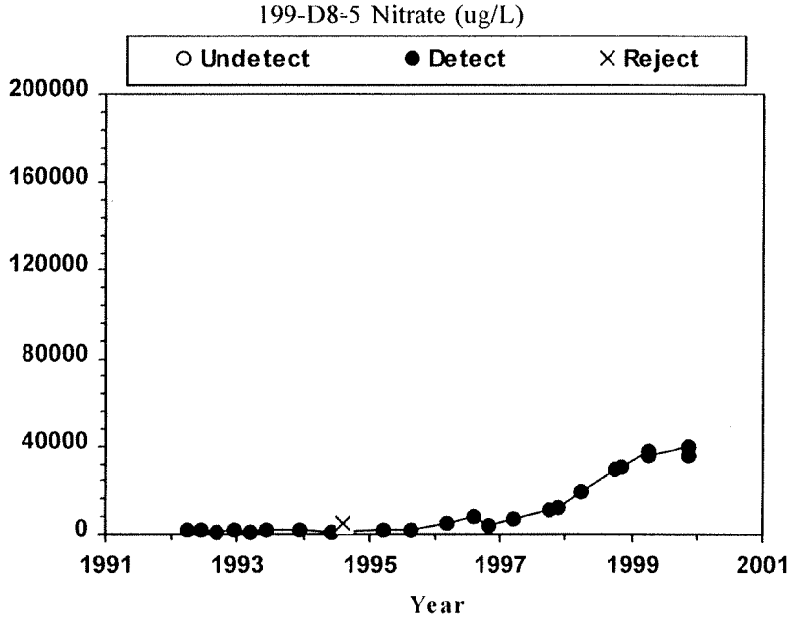

199-D5-41 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

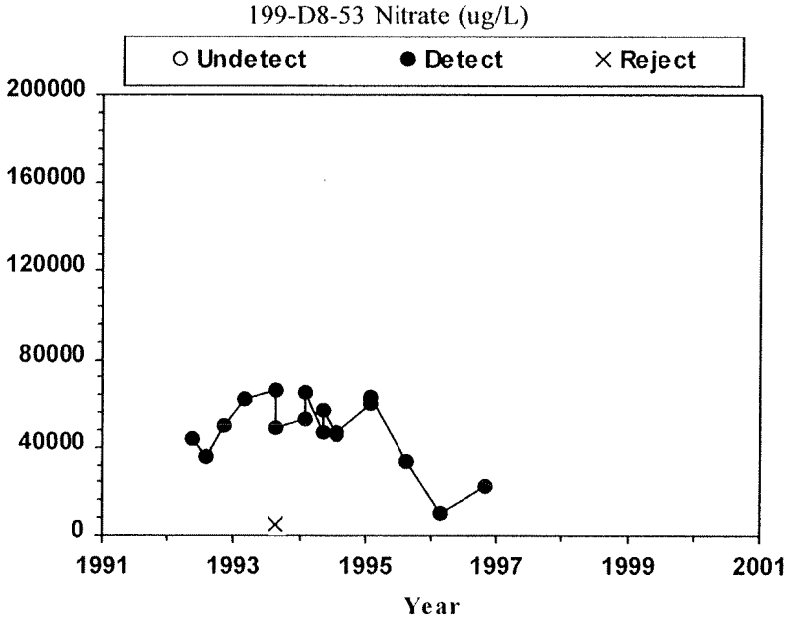

199-D5-42 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

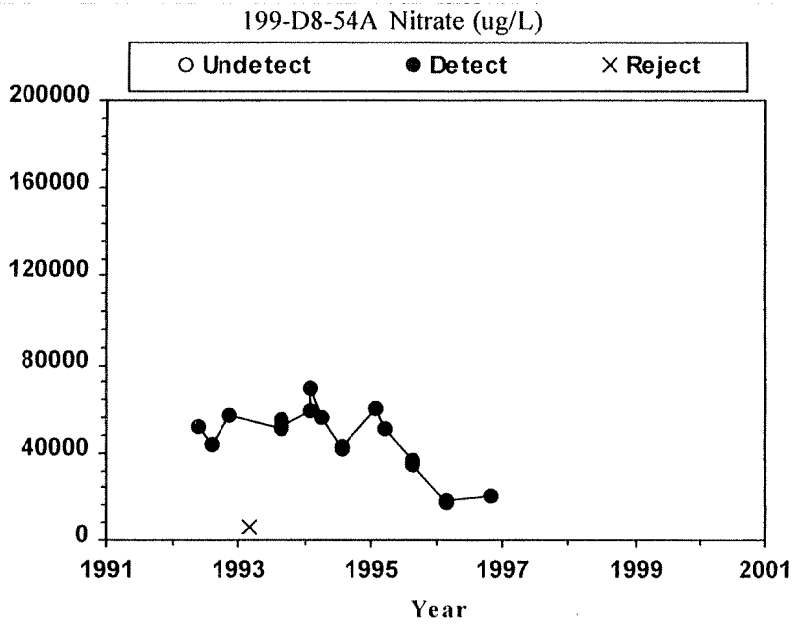
Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

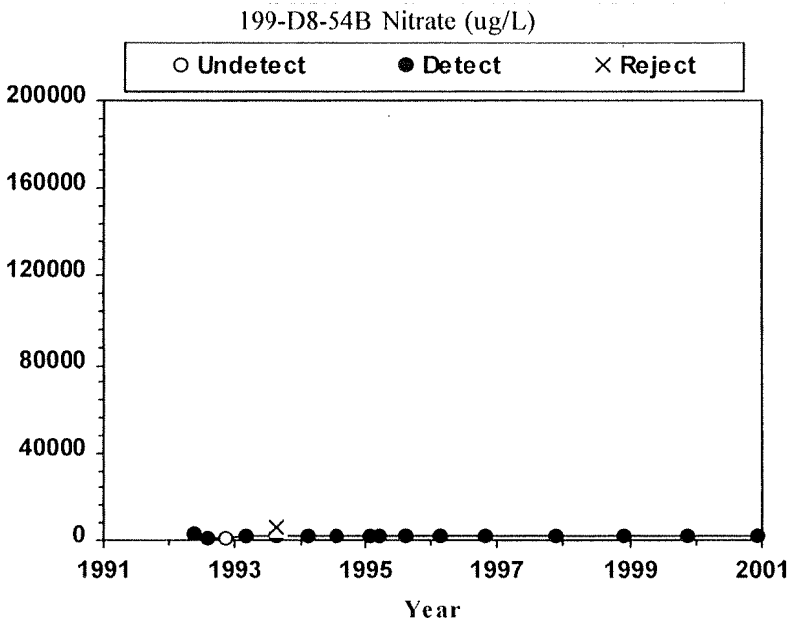


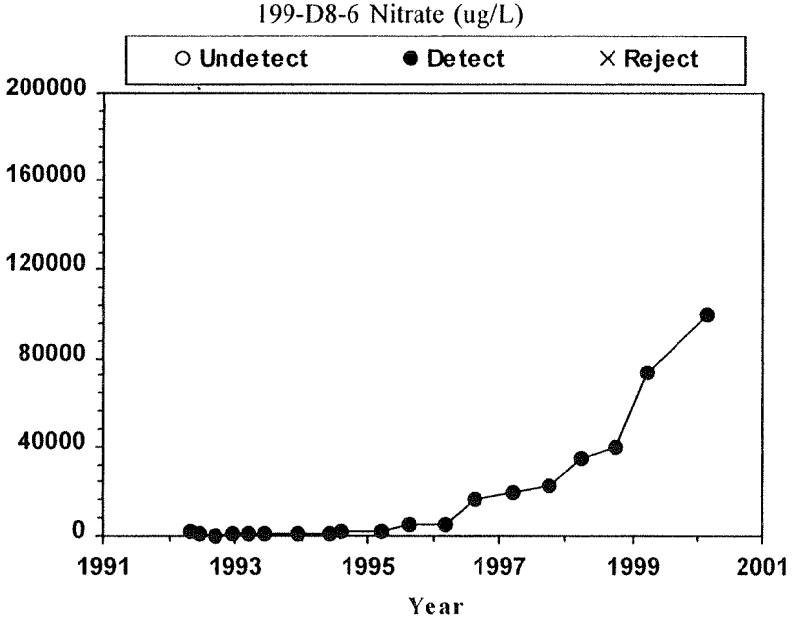


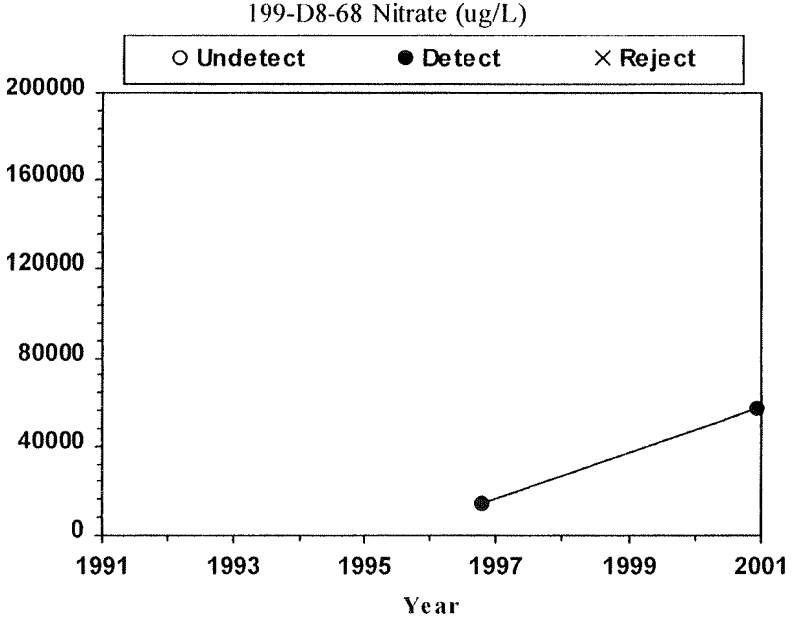


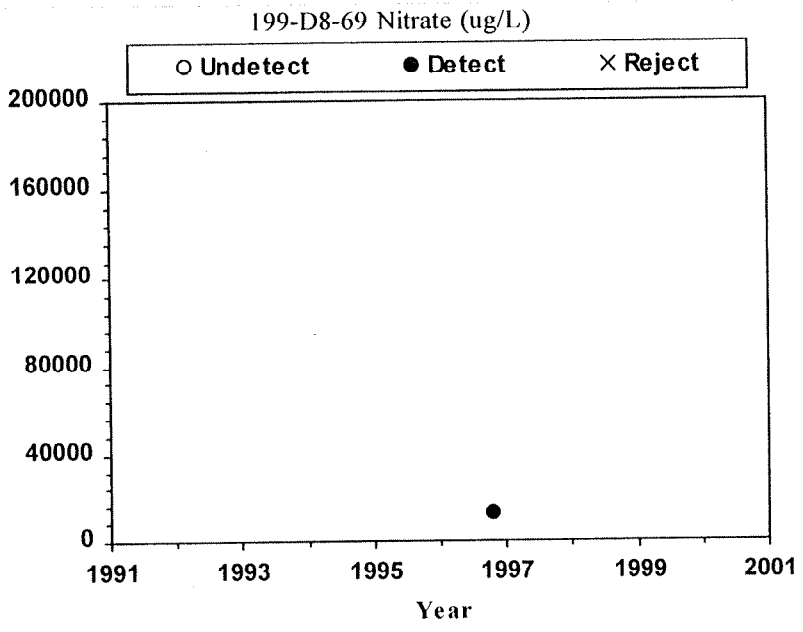


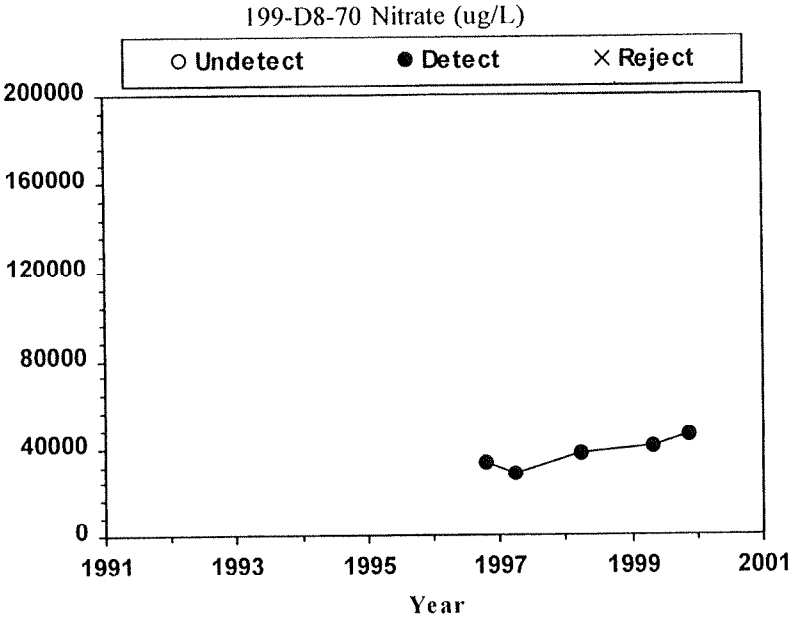

199-D8-54A Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

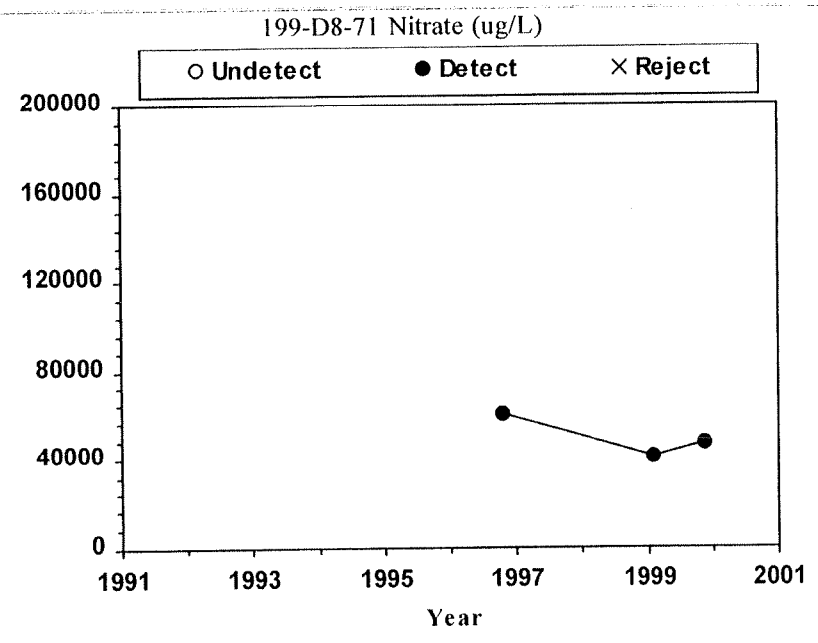

199-D8-54B Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

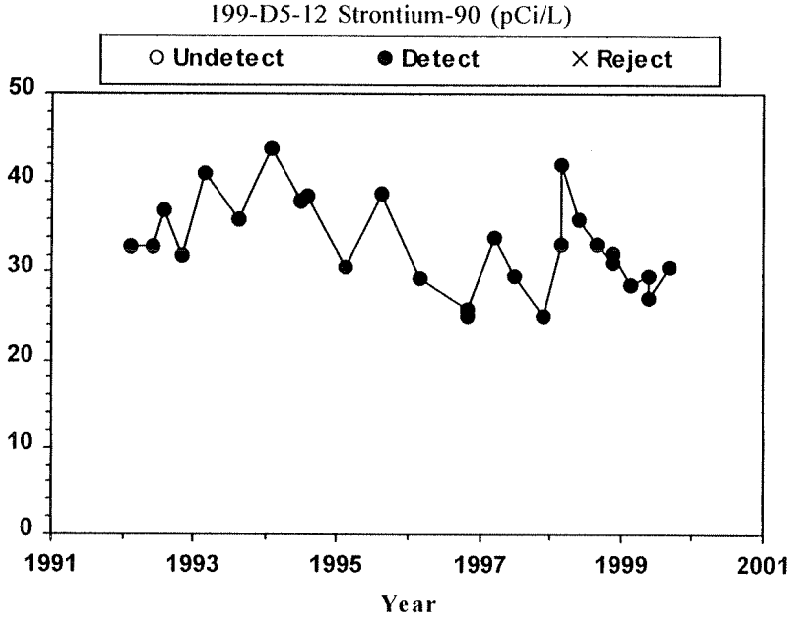

199-D8-6 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

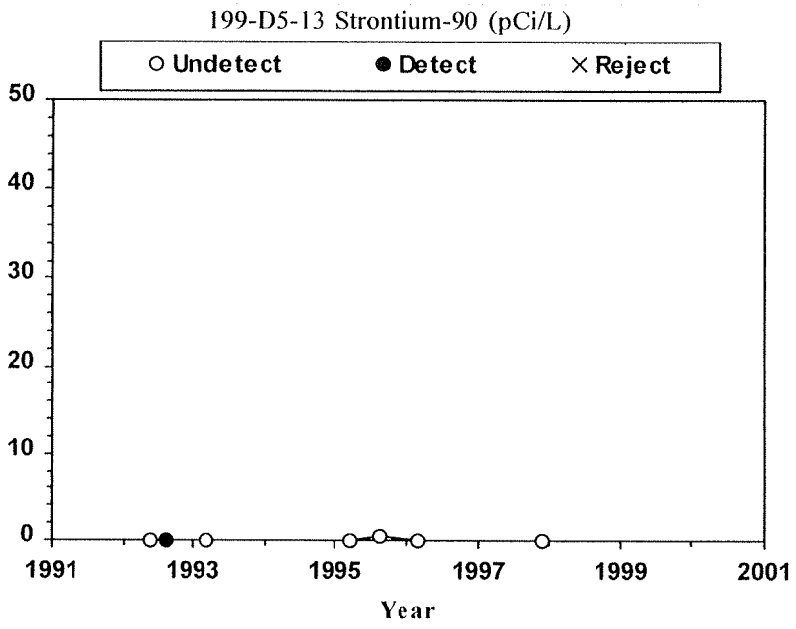

199-D8-68 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

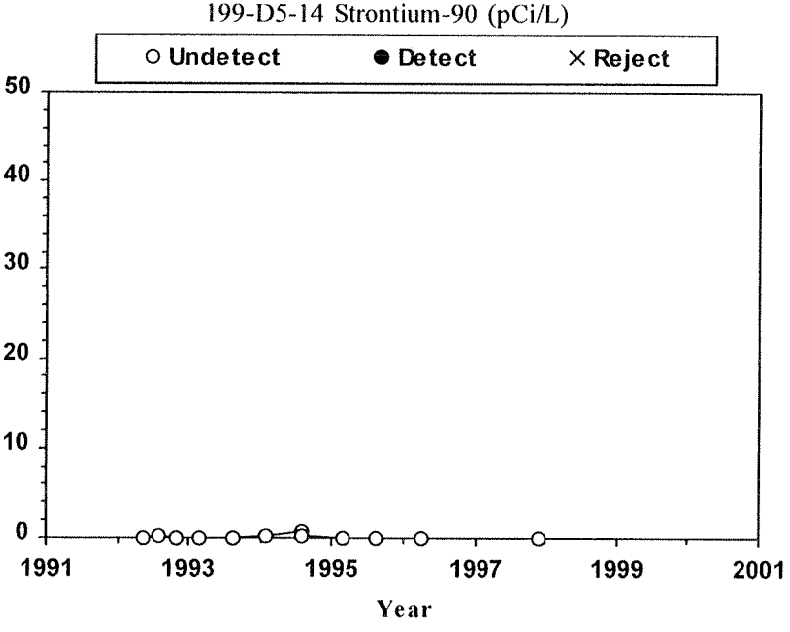

199-D8-69 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

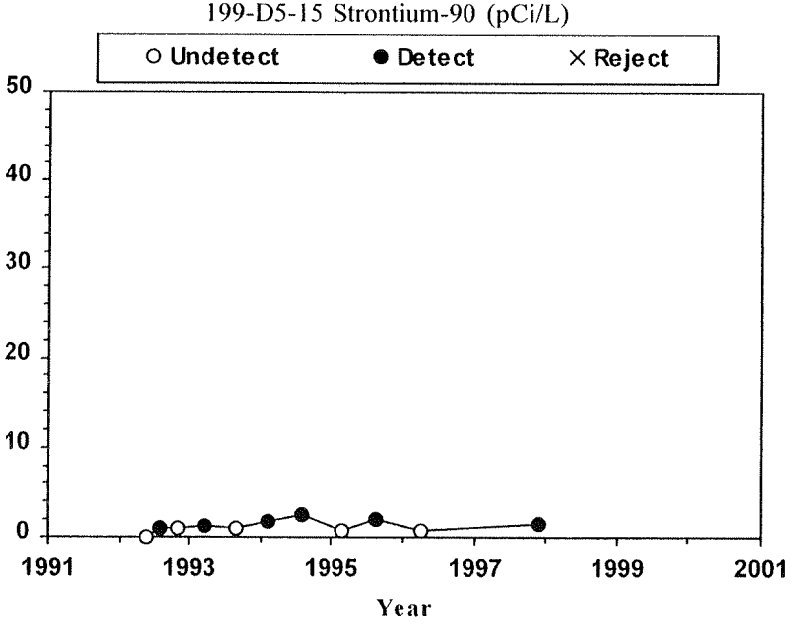

199-D8-70 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year


199-D8-71 Nitrate (ug/L)
Undetect
Detect
Reject
200000
160000
120000
80000
40000
0
1991
1993
1995
1997
1999
2001
Year

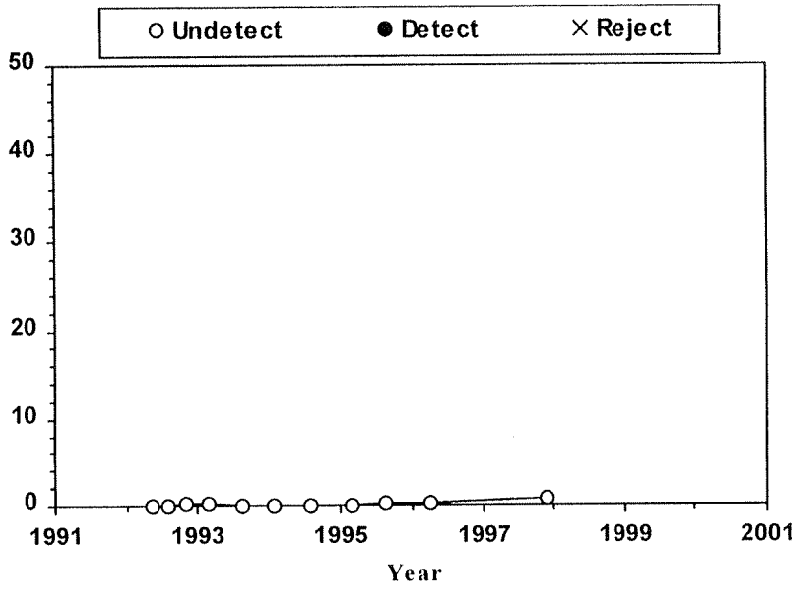

199-D5-12 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year


199-D5-13 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

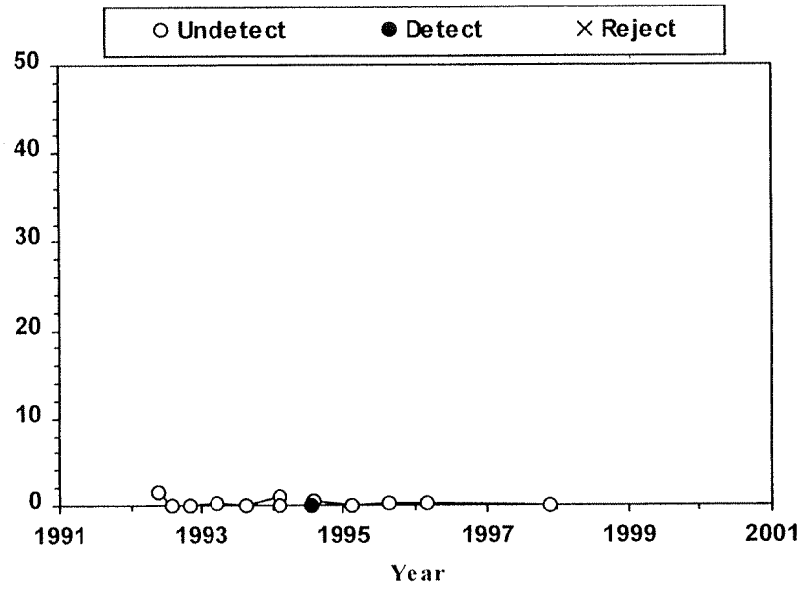

199-D5-14 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year


199-D5-15 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

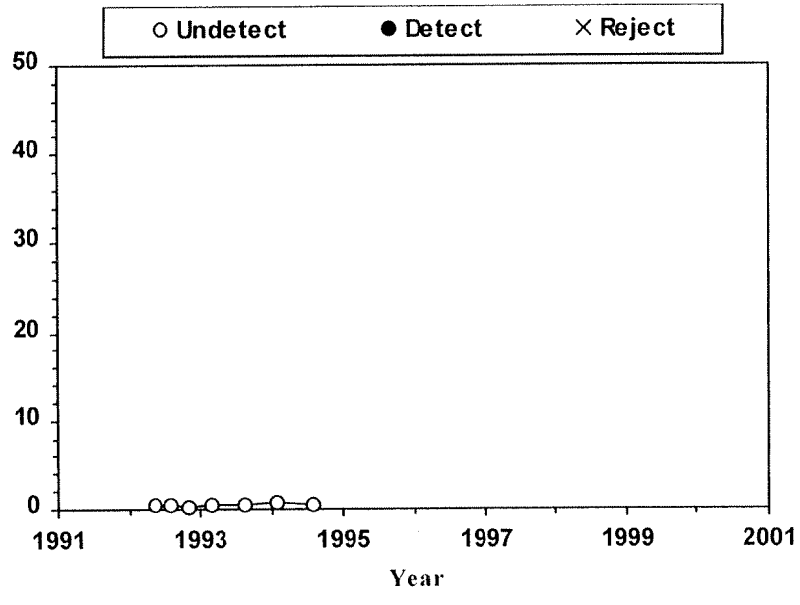
199-D5-16 Strontium-90 (pCi/L)



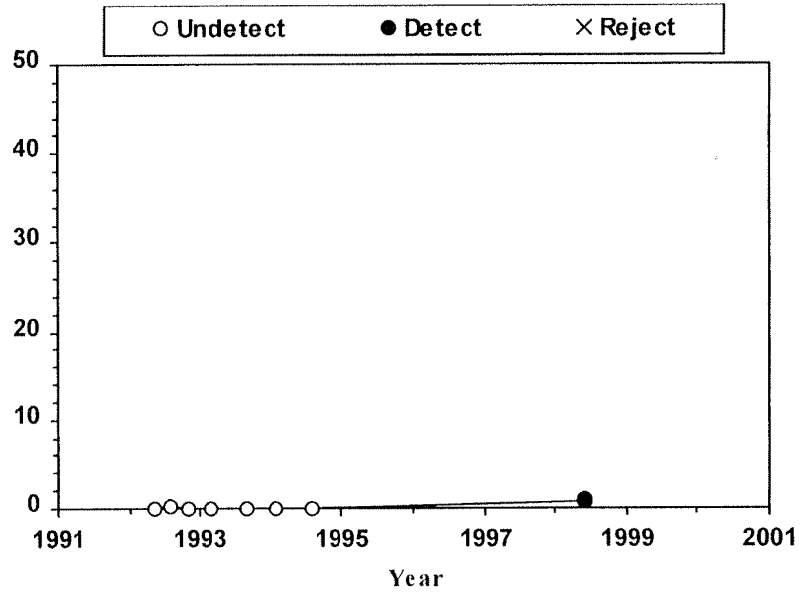
199-D5-17 Strontium-90 (pCi/L)

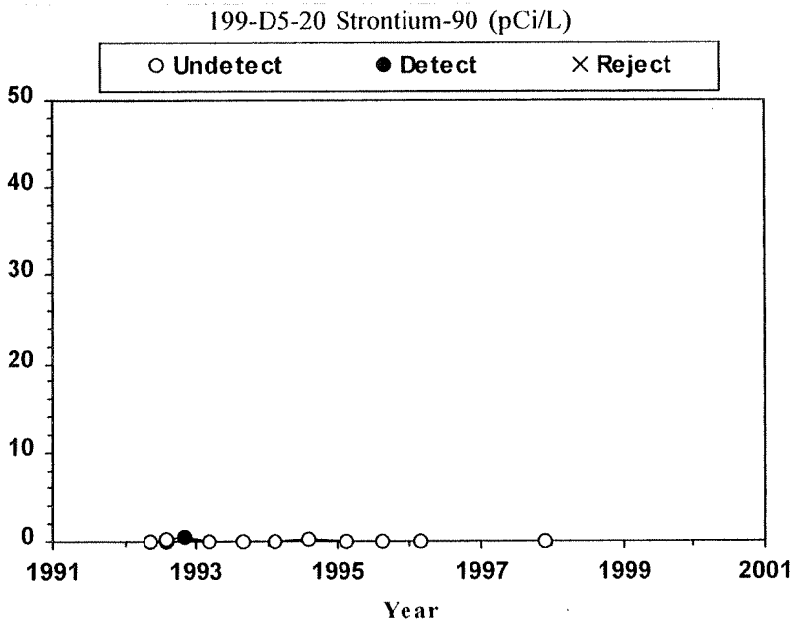


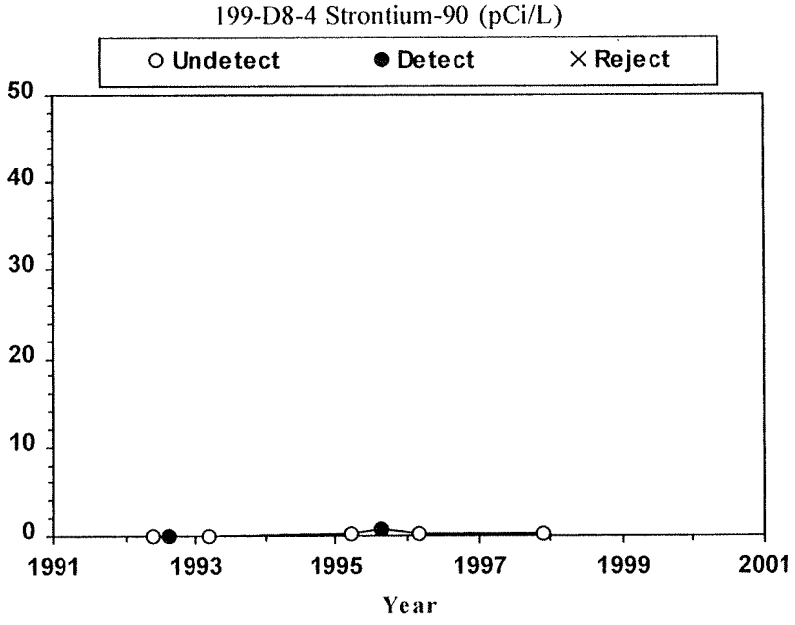
199-D5-18 Strontium-90 (pCi/L)

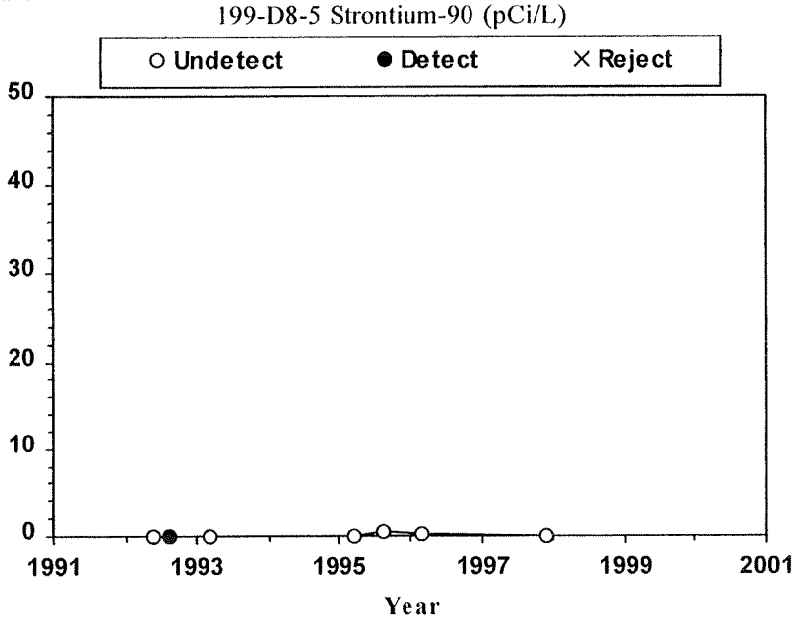


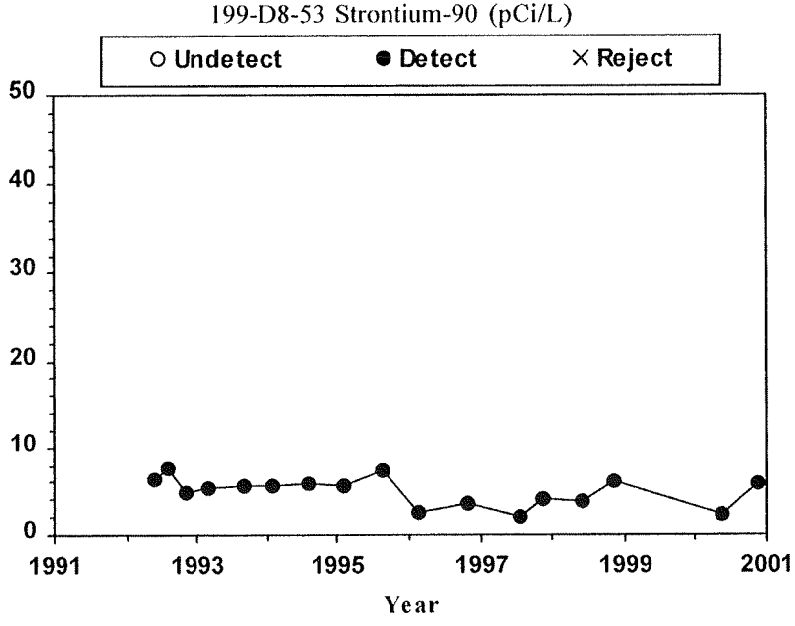
199-D5-19 Strontium-90 (pCi/L)

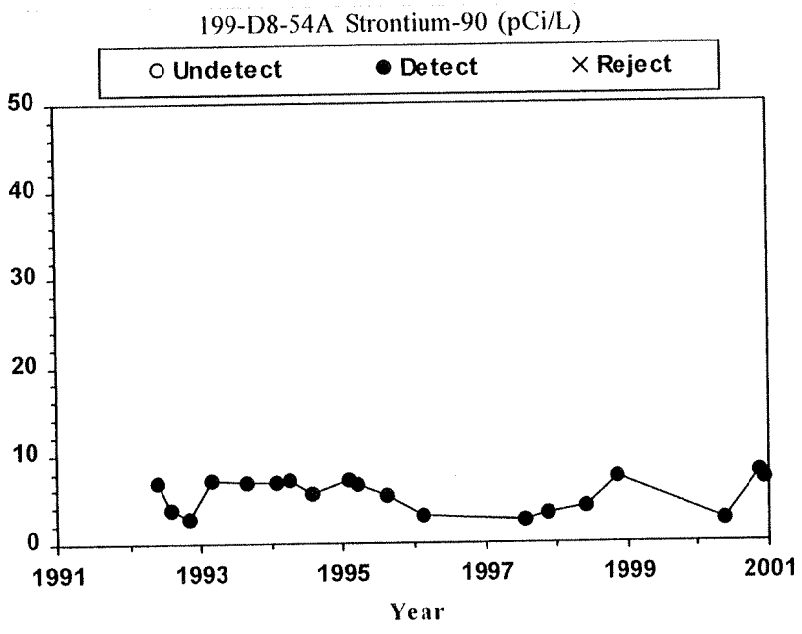


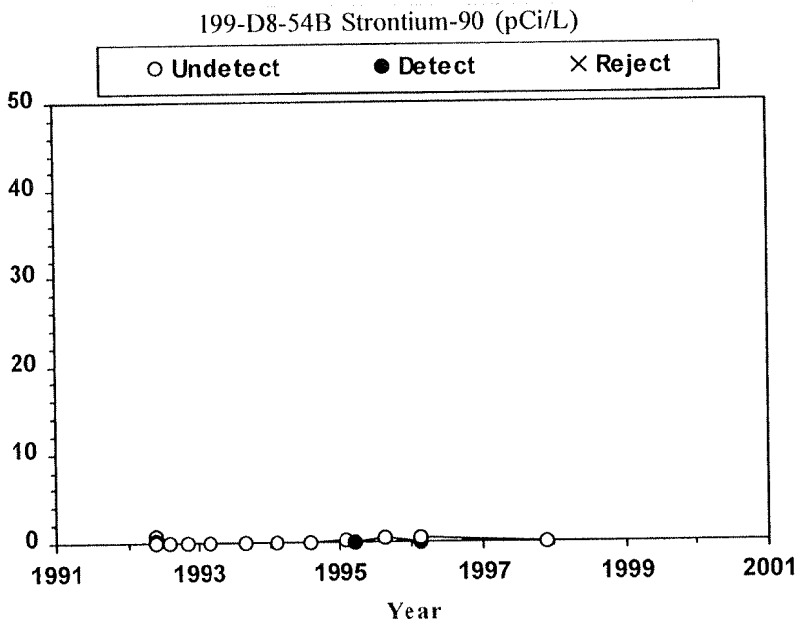

199-D5-20 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

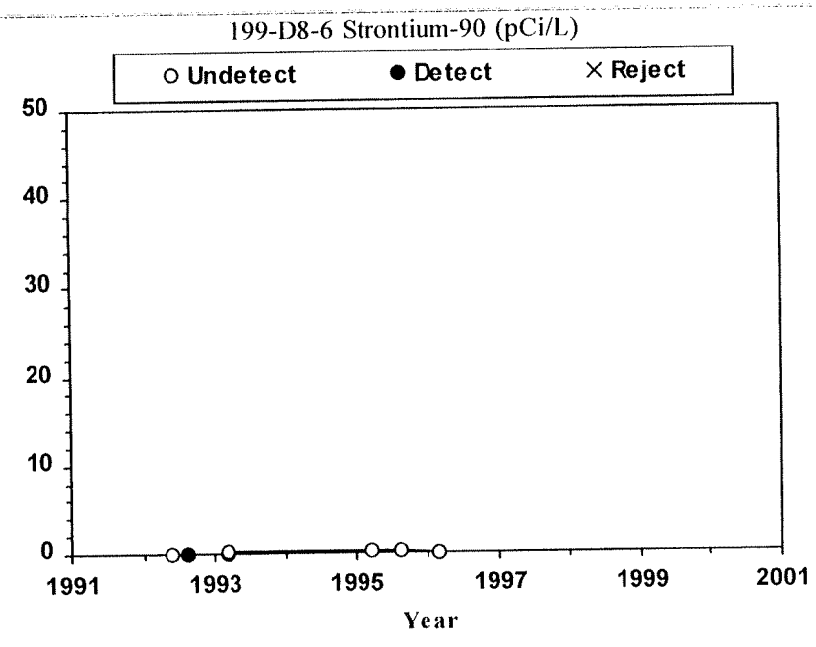

199-D8-4 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

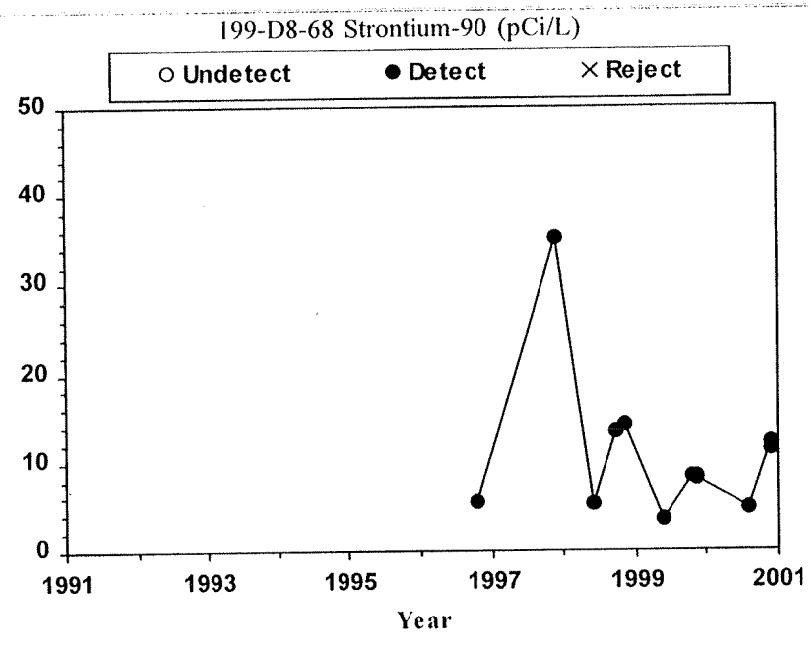

199-D8-5 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

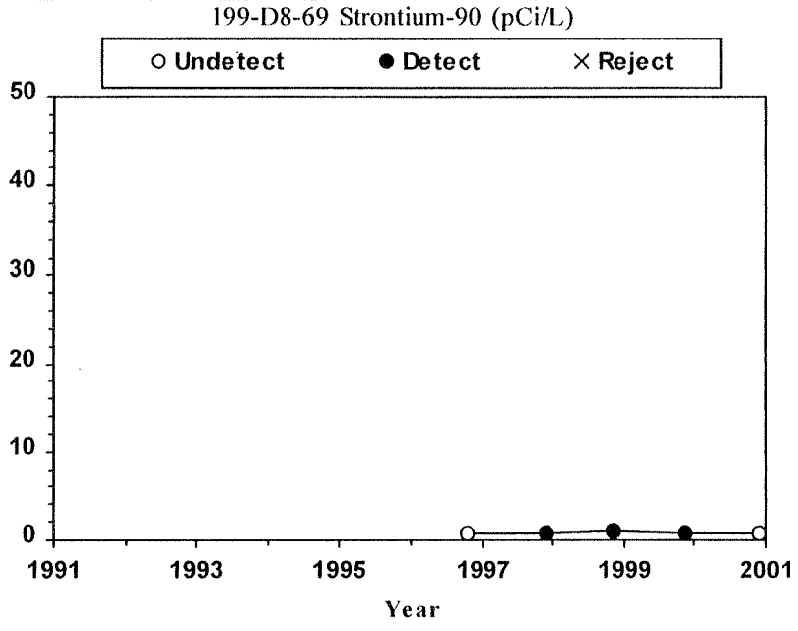

199-D8-53 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

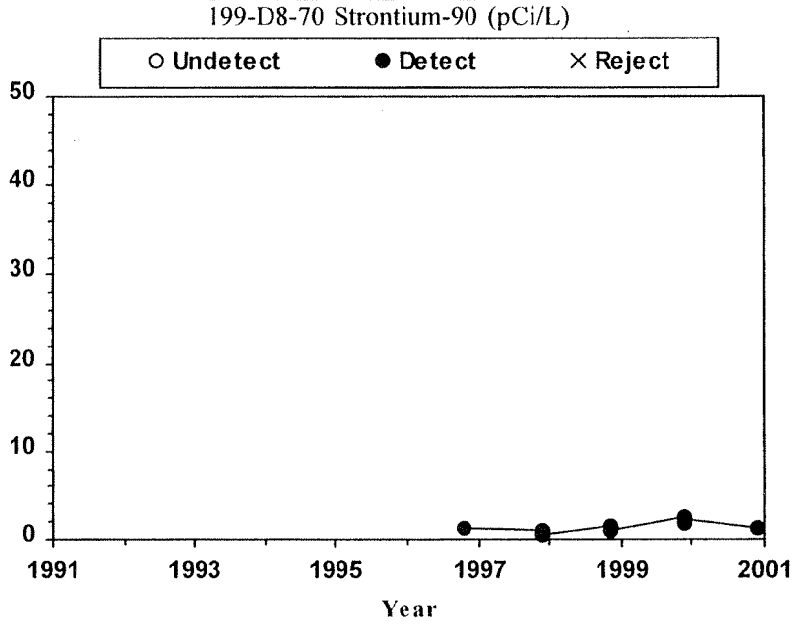

199-D8-54A Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

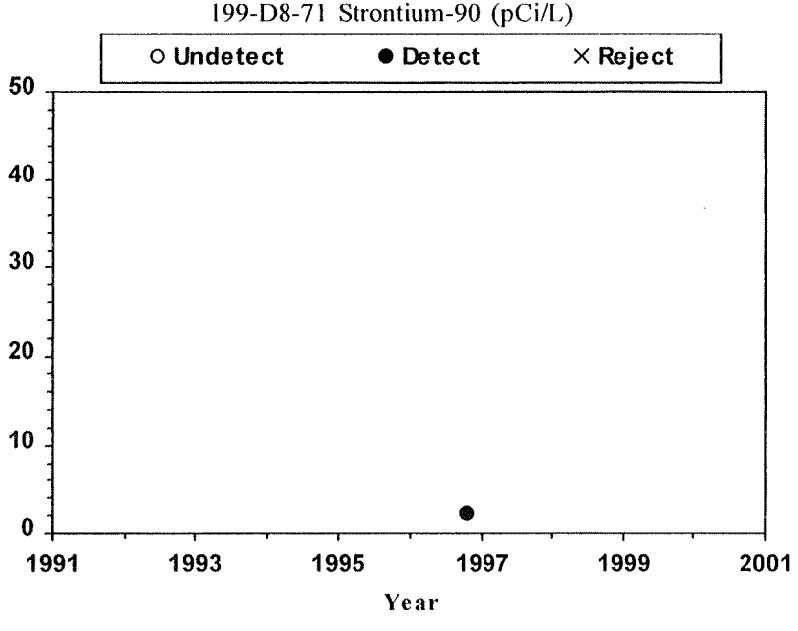

199-D8-54B Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

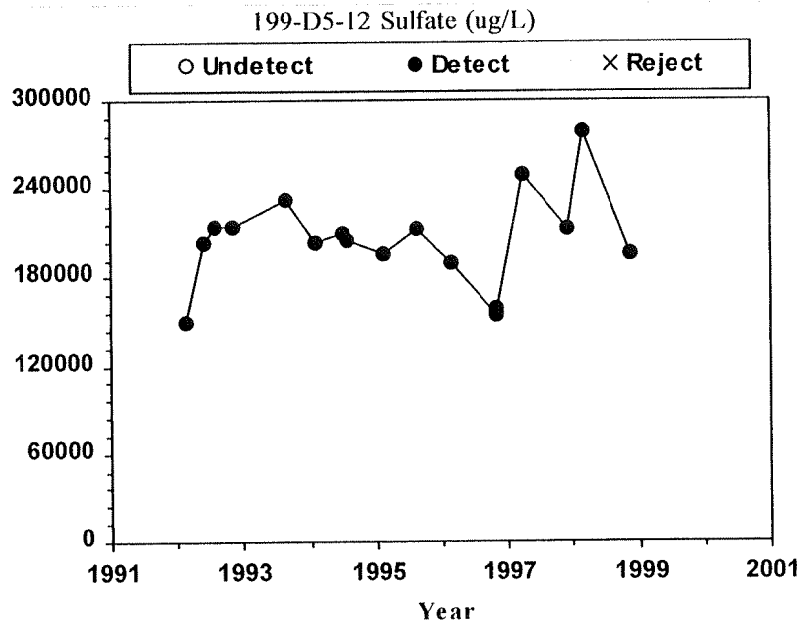

199-D8-6 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

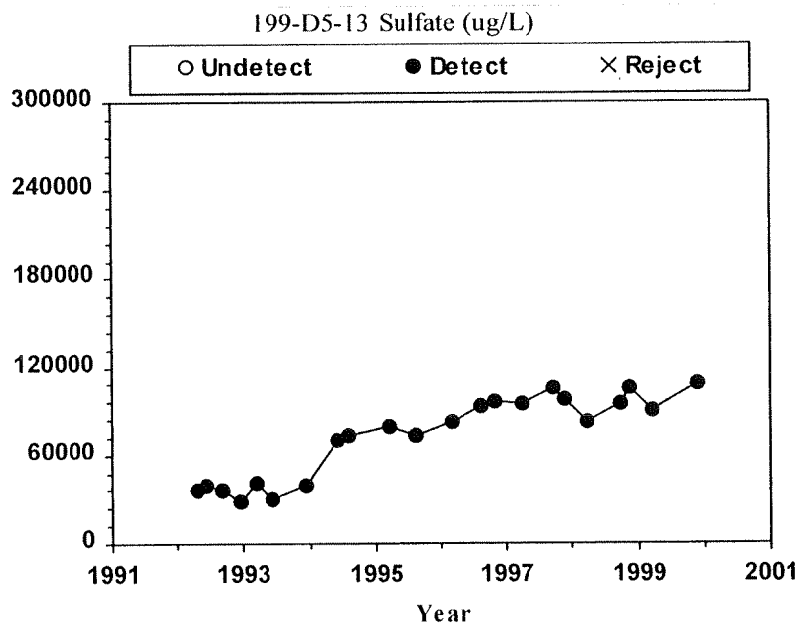

199-D8-68 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

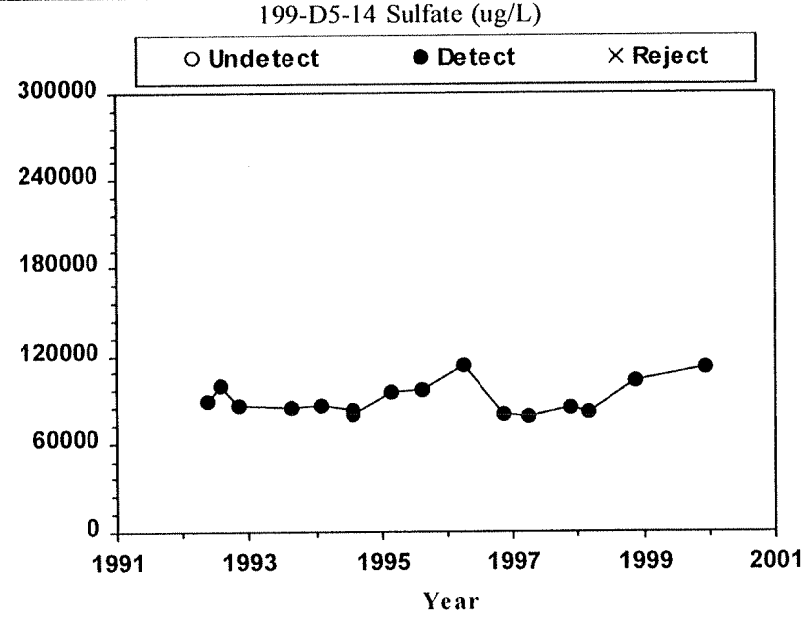

199-D8-69 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

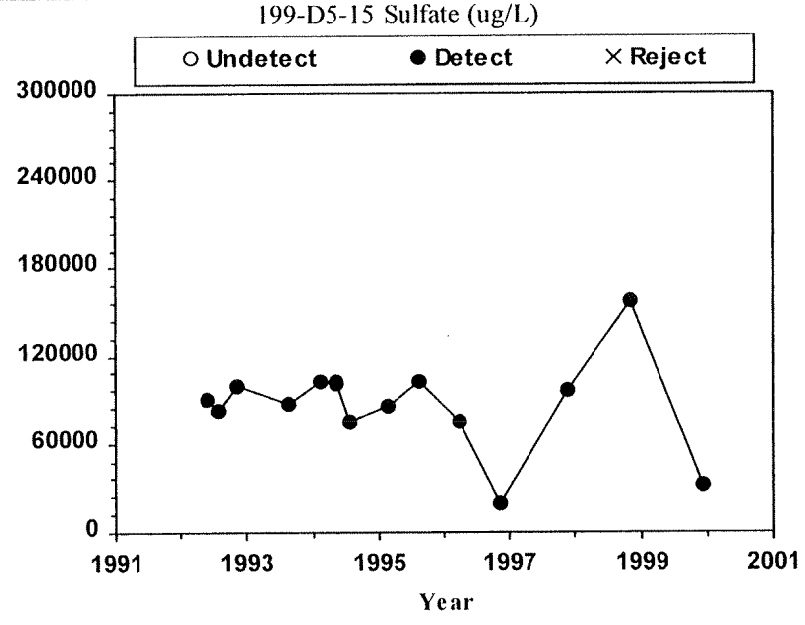

199-D8-70 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

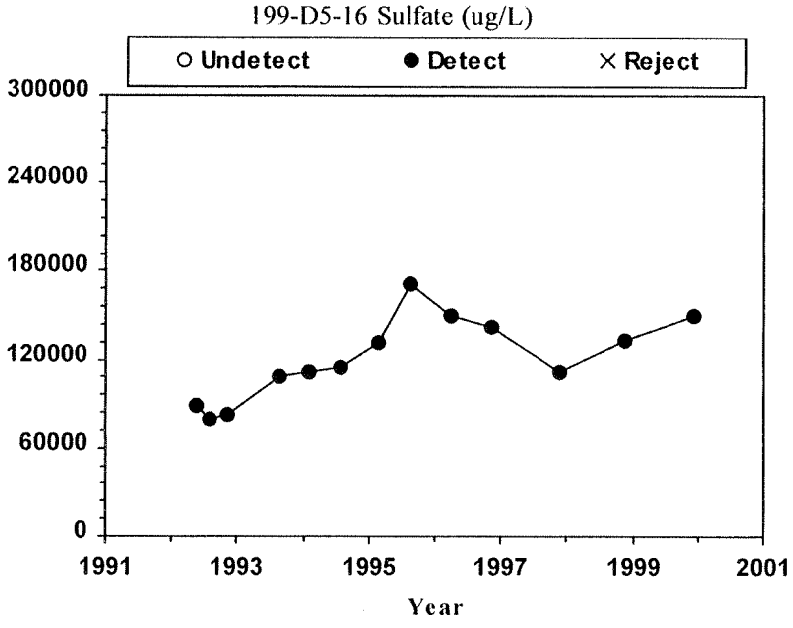

199-D8-71 Strontium-90 (pCi/L)
Undetect
Detect
Reject
50
40
30
20
10
0
1991
1993
1995
1997
1999
2001
Year

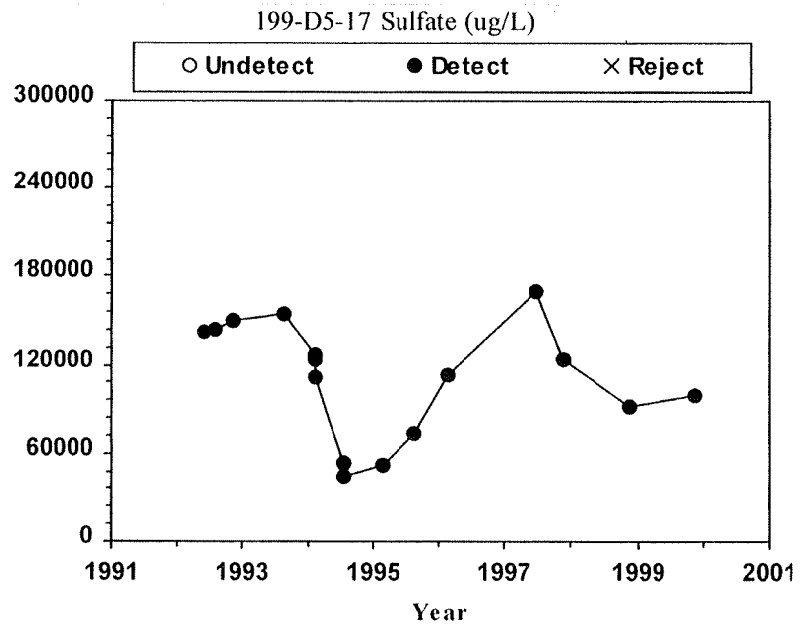

199-D5-12 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

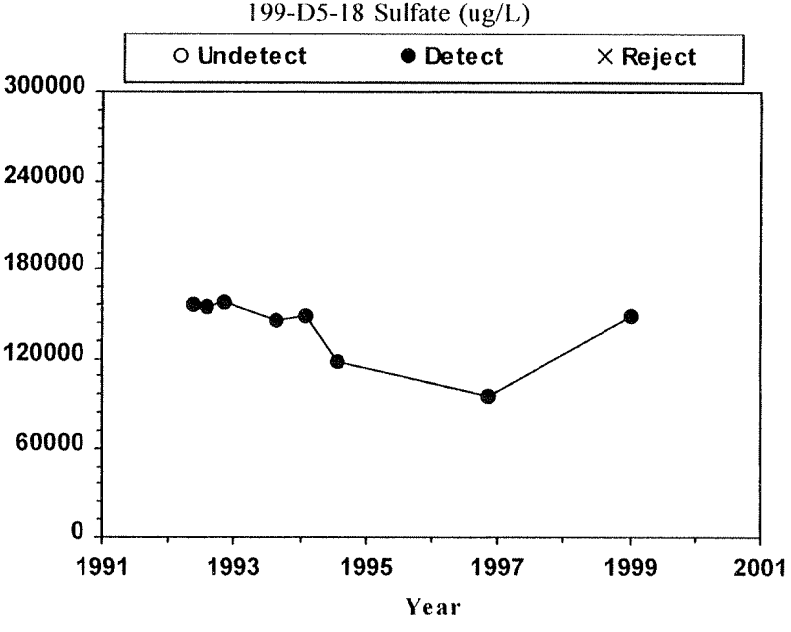

199-D5-13 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

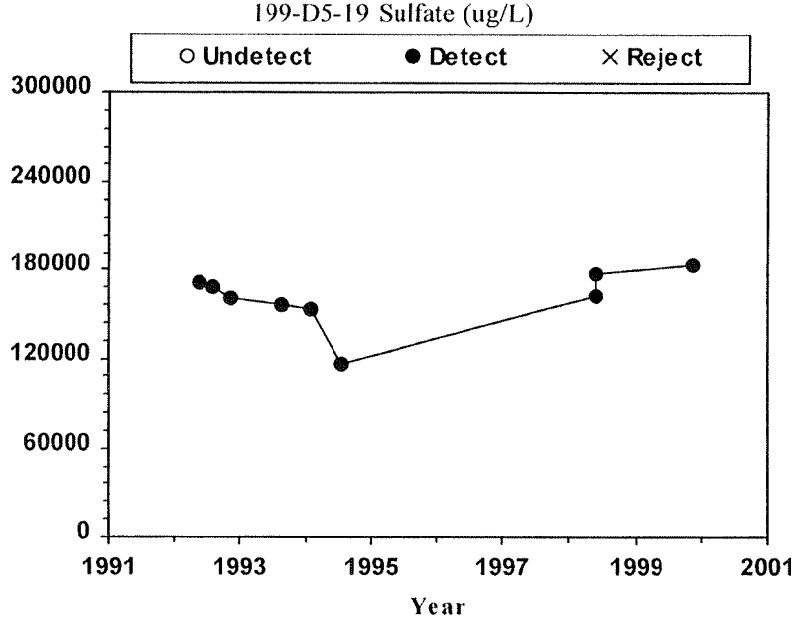

199-D5-14 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

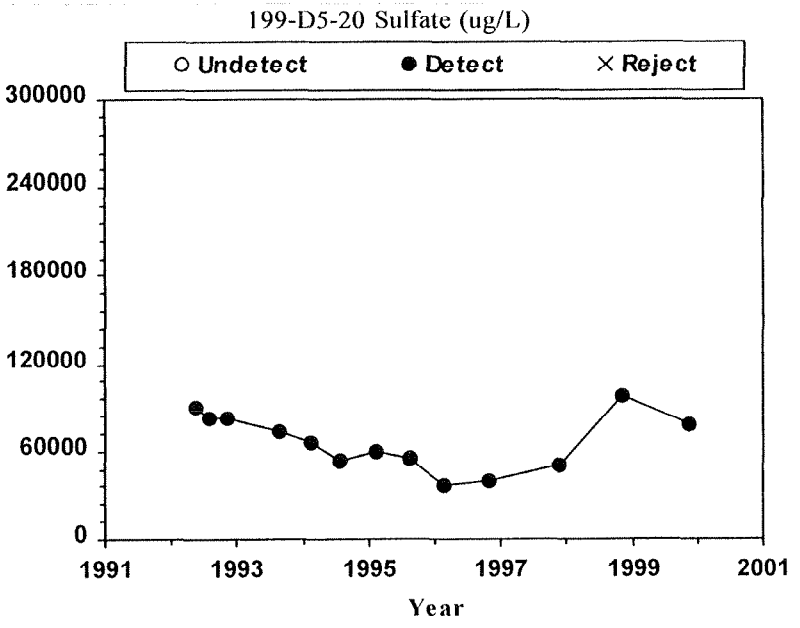

199-D5-15 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

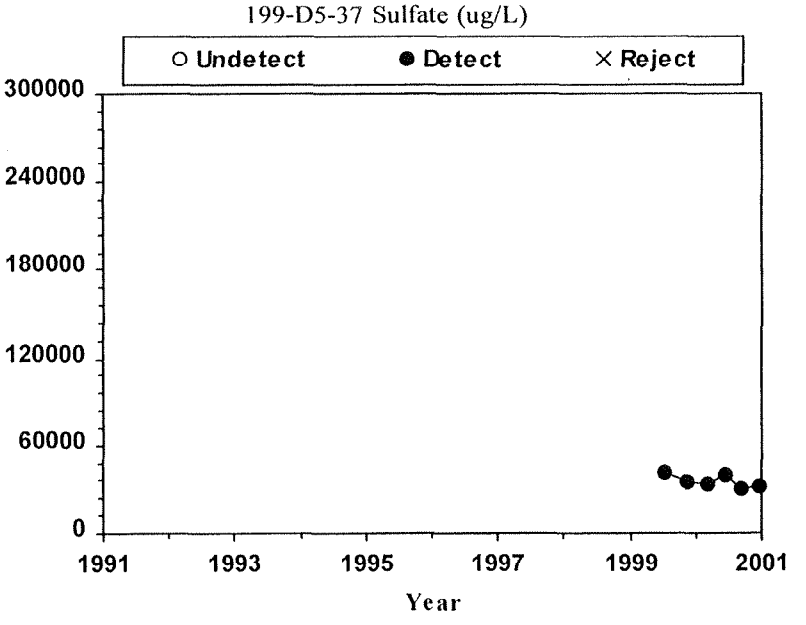

199-D5-16 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

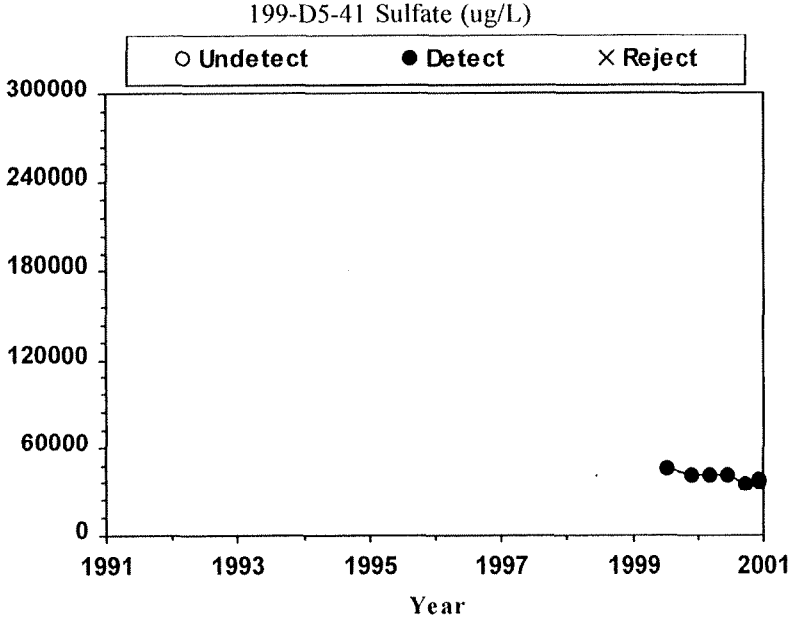

199-D5-17 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

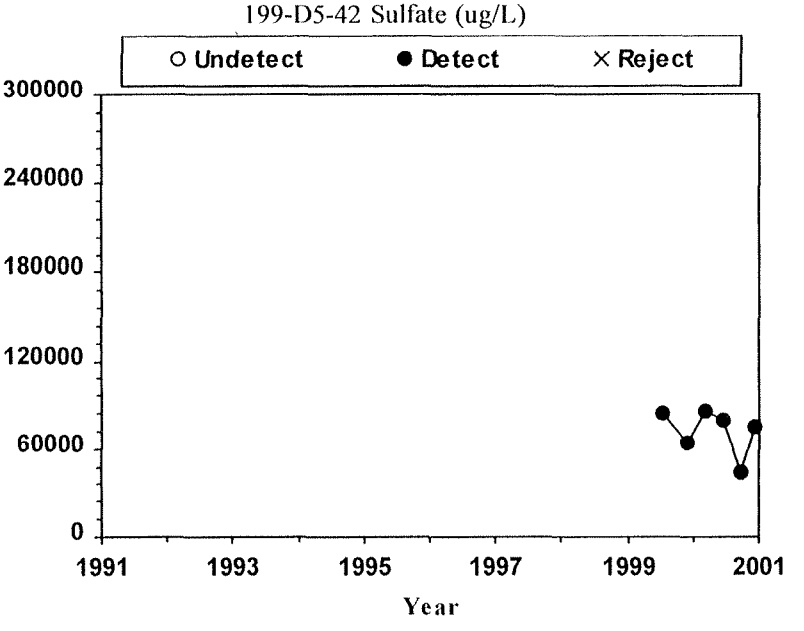

199-D5-18 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

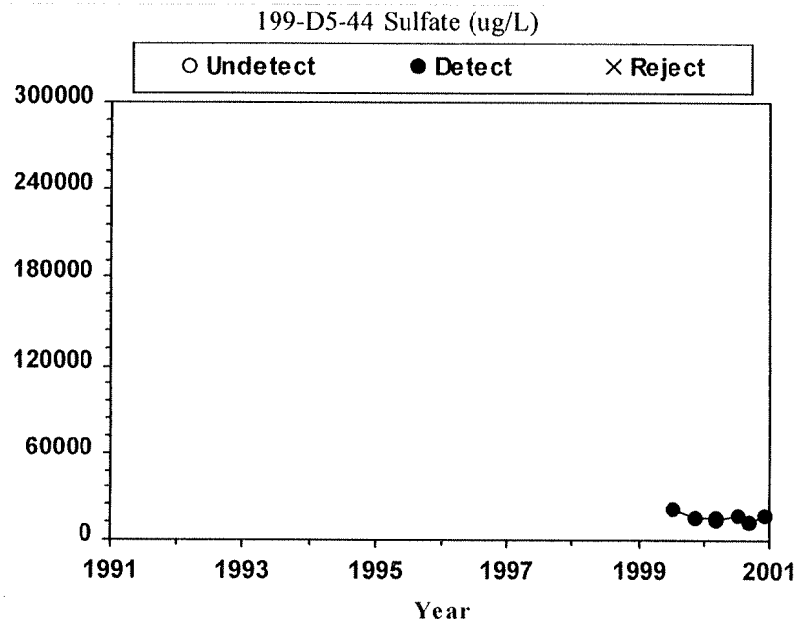

199-D5-19 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

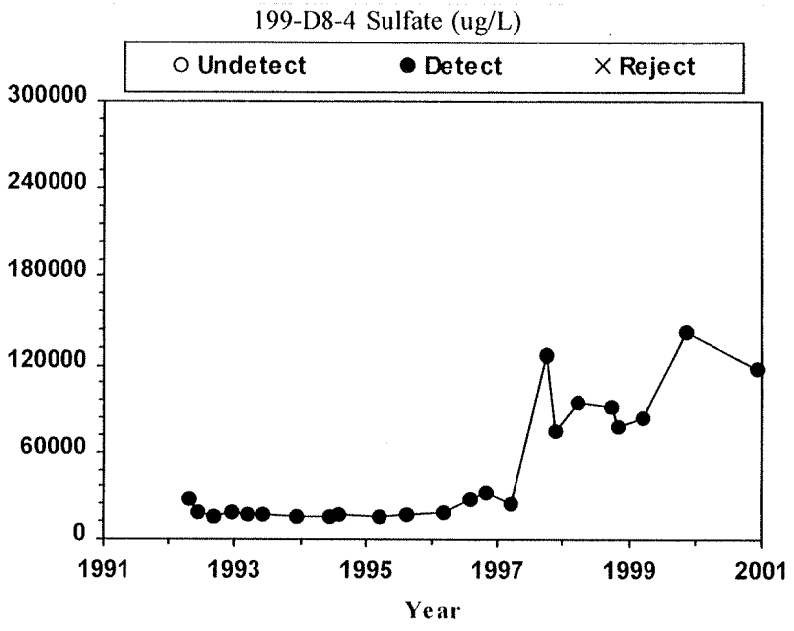

199-D5-20 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

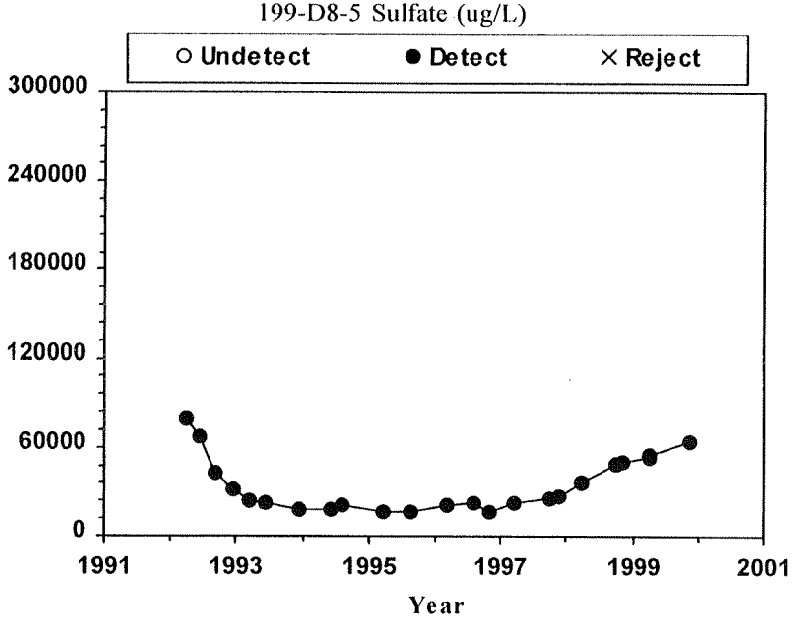

199-D5-37 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

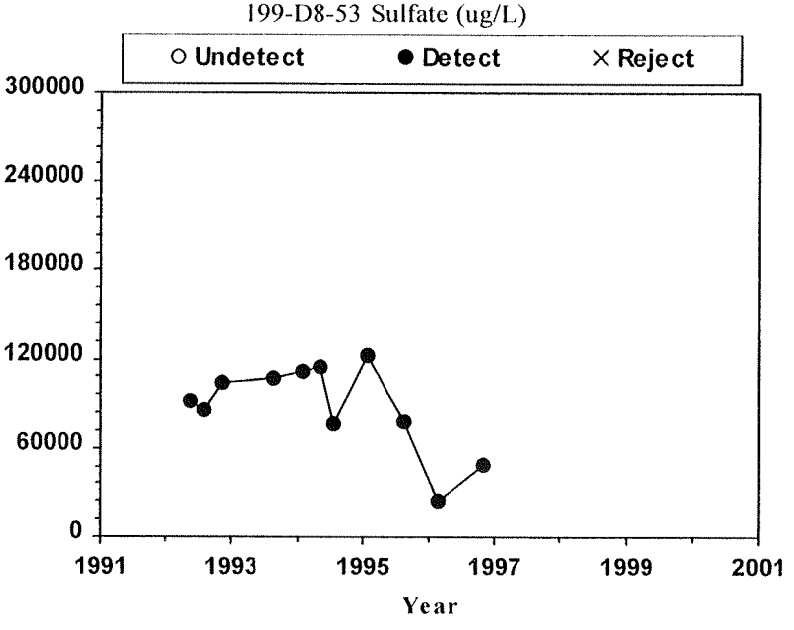

199-D5-41 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year


199-D5-42 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

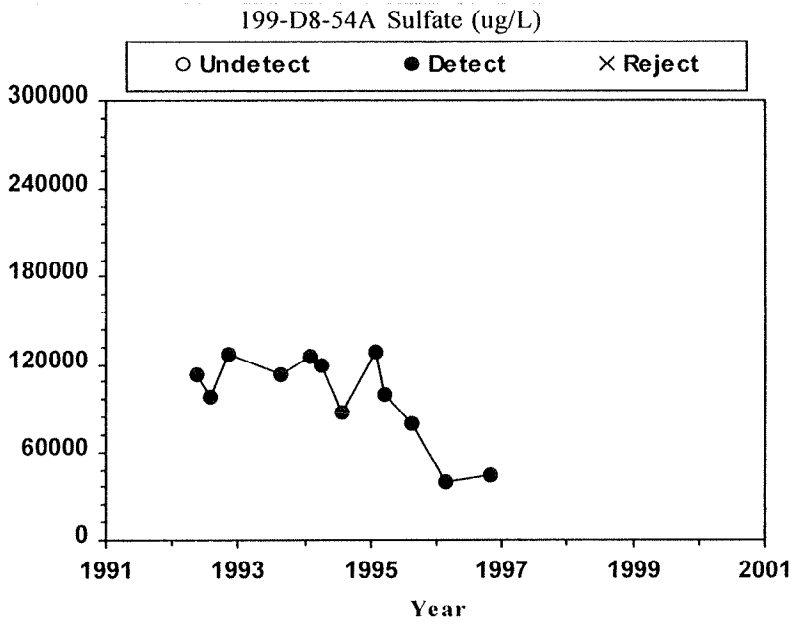

199-D5-44 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

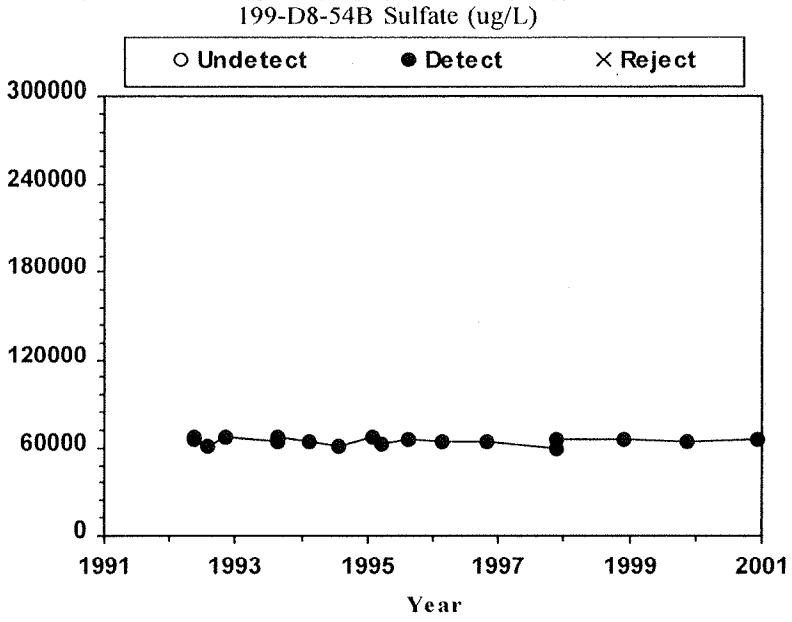

199-D8-4 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

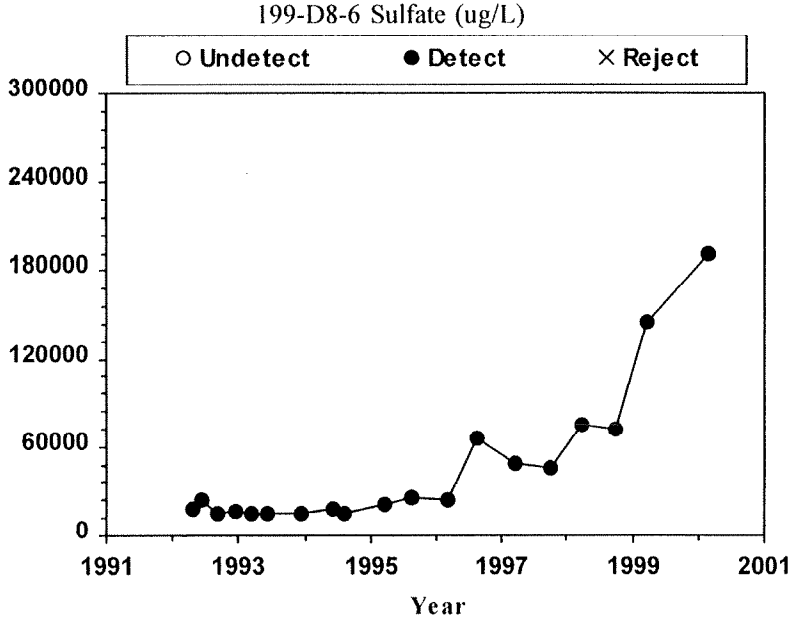

199-D8-5 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

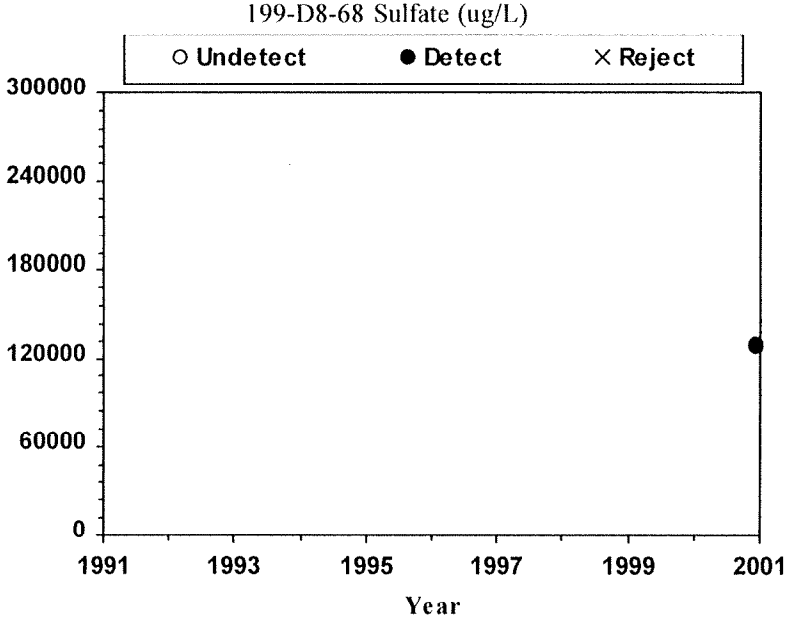

199-D8-53 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

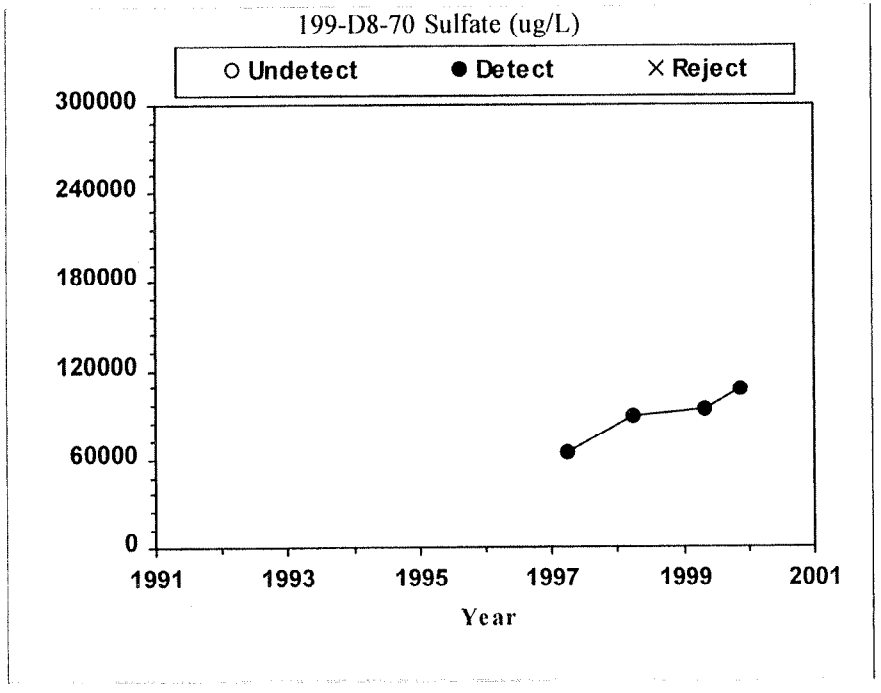
Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

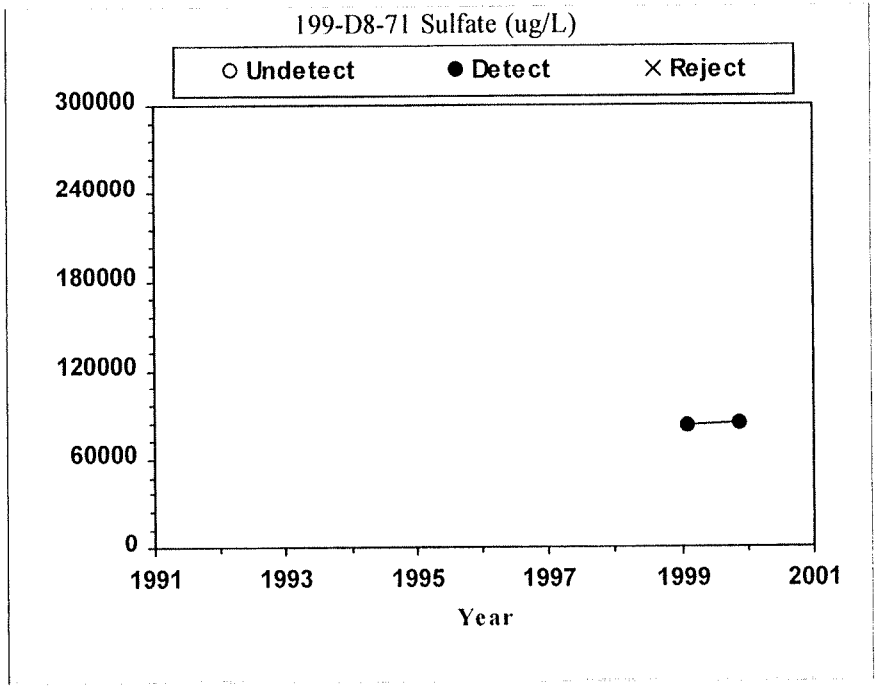




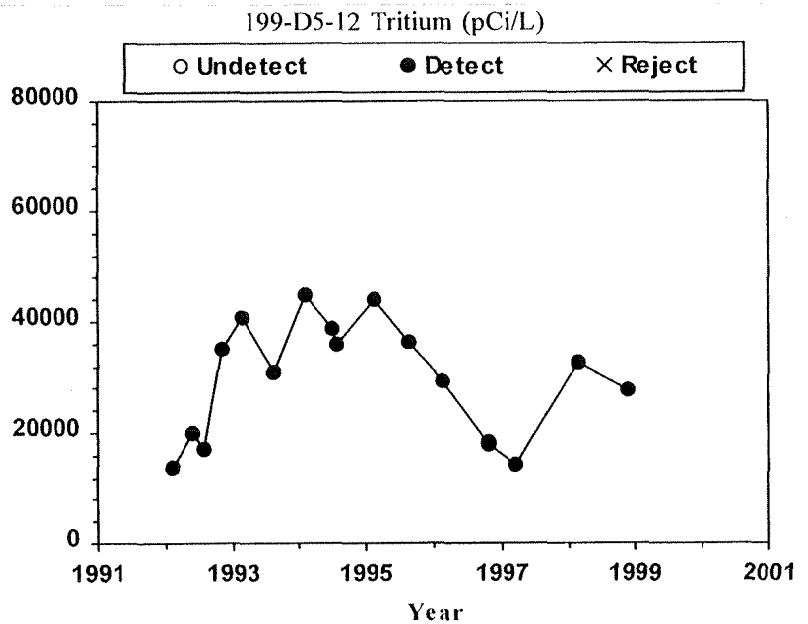


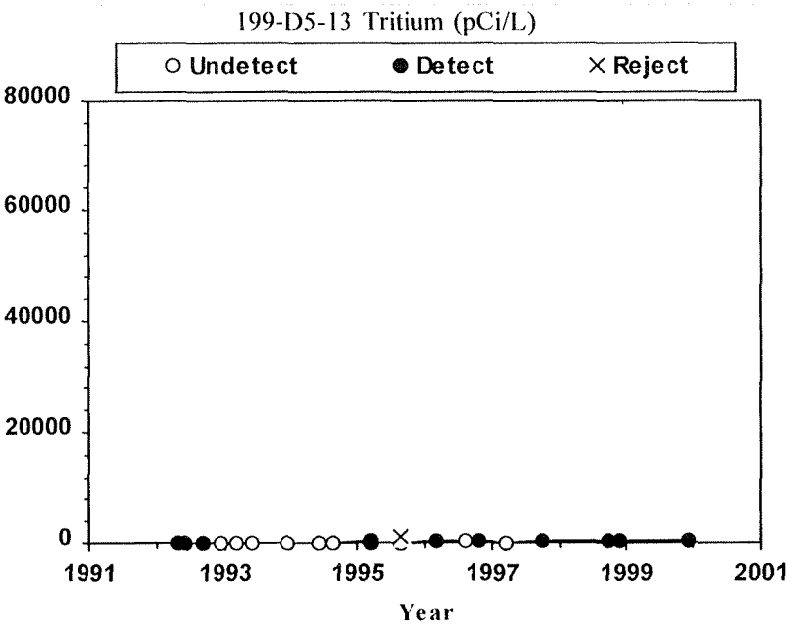


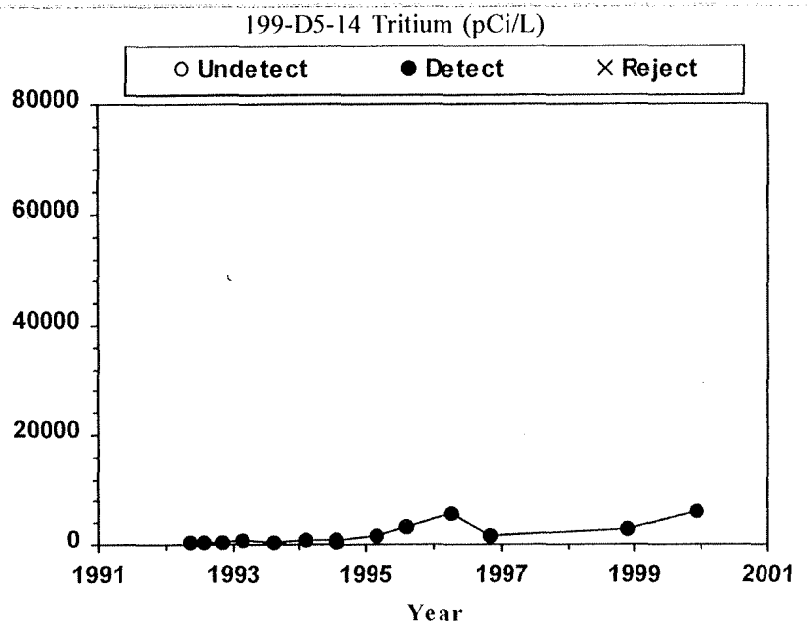

199-D8-70 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

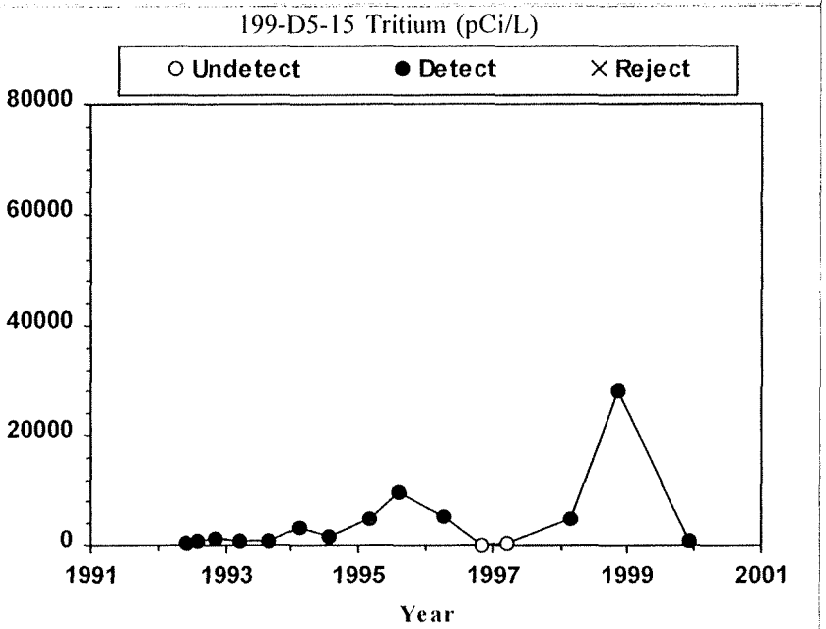

199-D8-71 Sulfate (ug/L)
Undetect
Detect
Reject
300000
240000
180000
120000
60000
0
1991
1993
1995
1997
1999
2001
Year

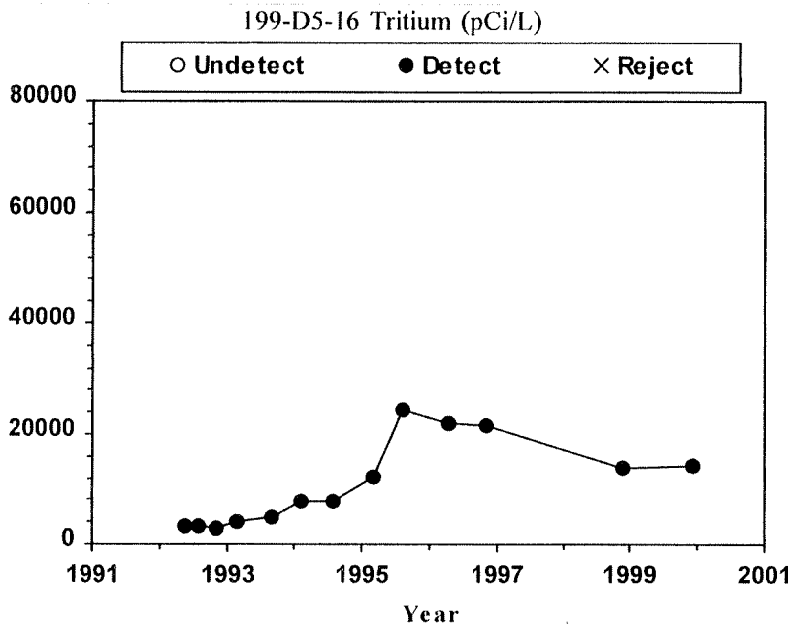
Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

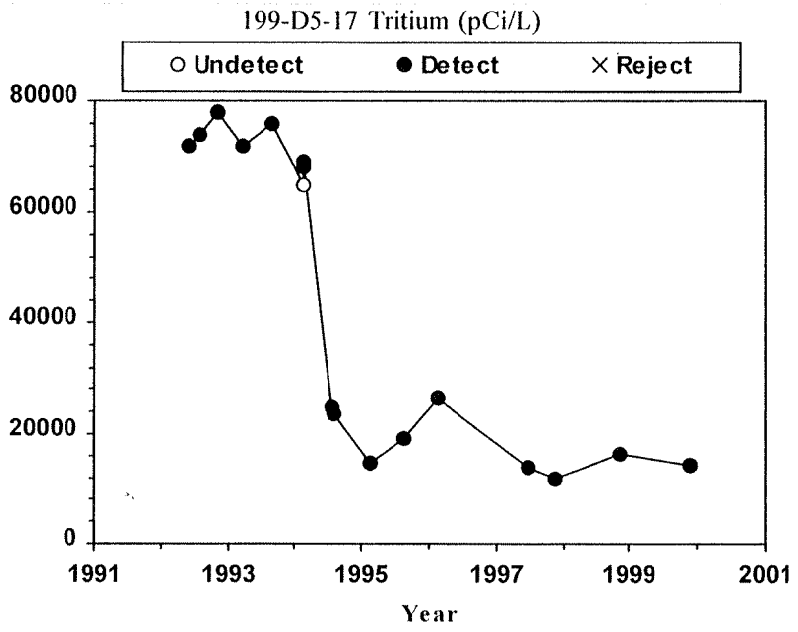


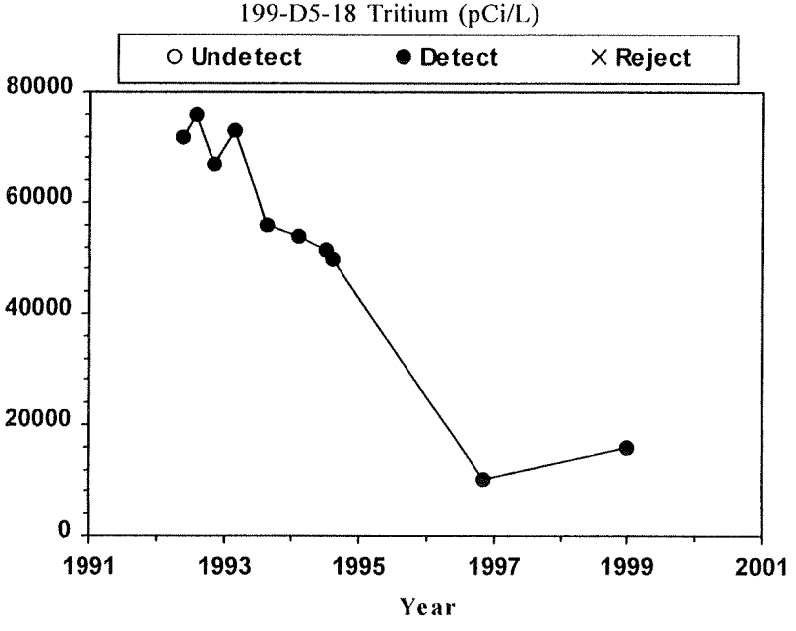


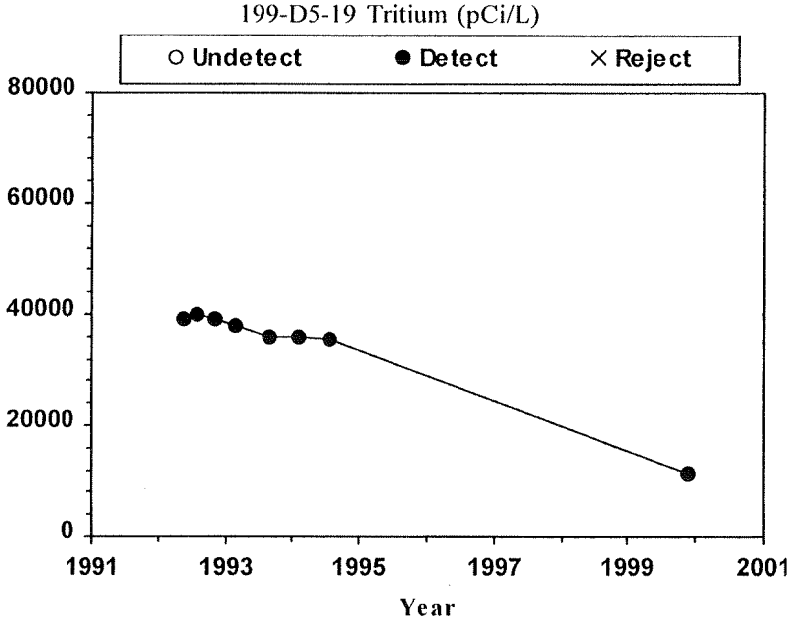


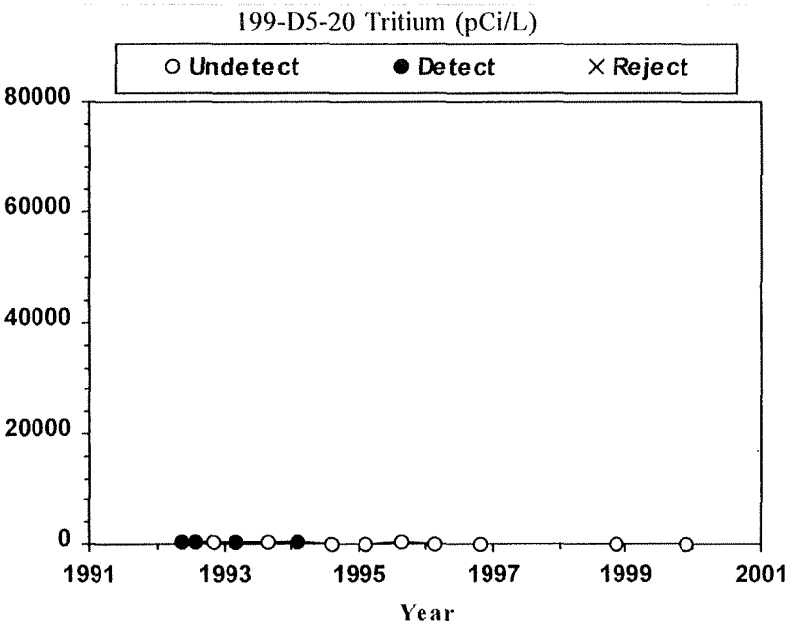


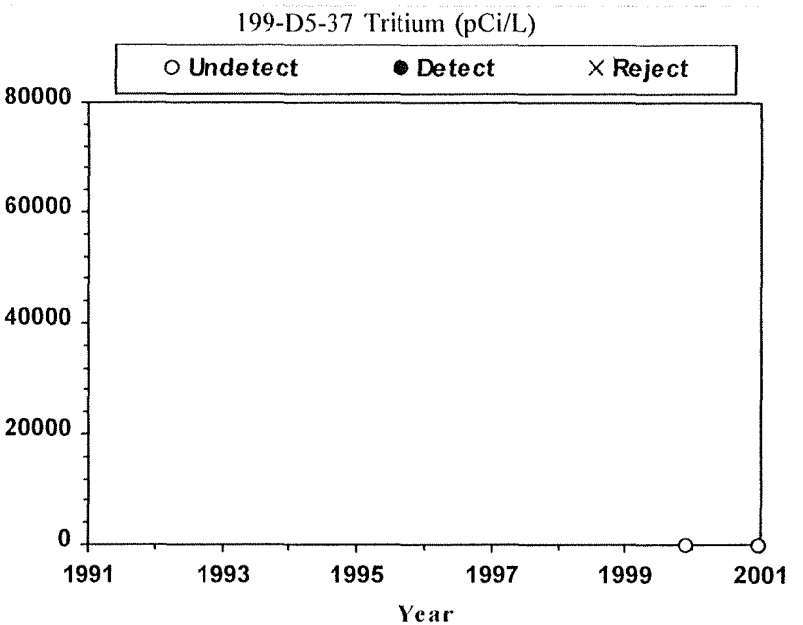

199-D5-16 Tritium (pCi/L)
○ Undetect
● Detect
× Reject
80000
60000
40000
20000
0
1991
1993
1995
1997
1999
2001
Year

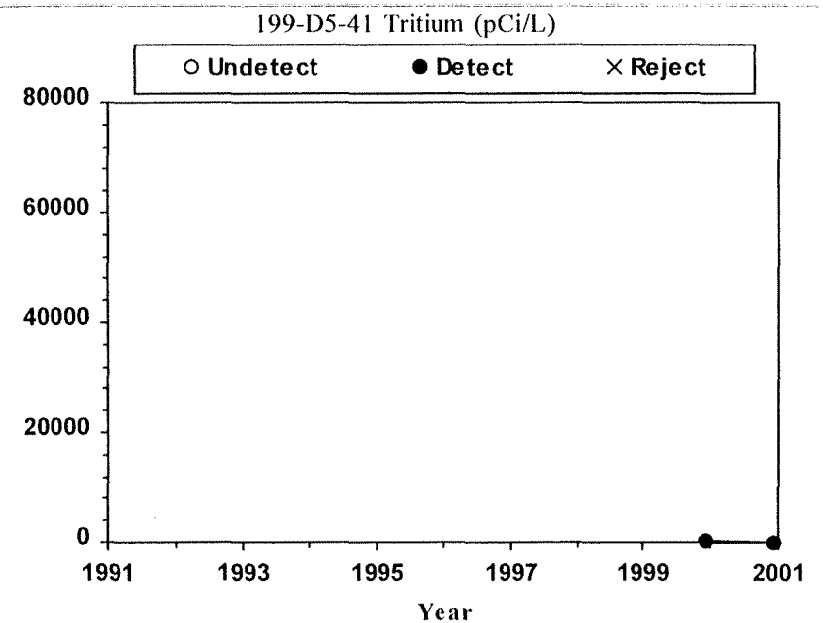

199-D5-17 Tritium (pCi/L)
○ Undetect
● Detect
× Reject
80000
60000
40000
20000
0
1991
1993
1995
1997
1999
2001
Year

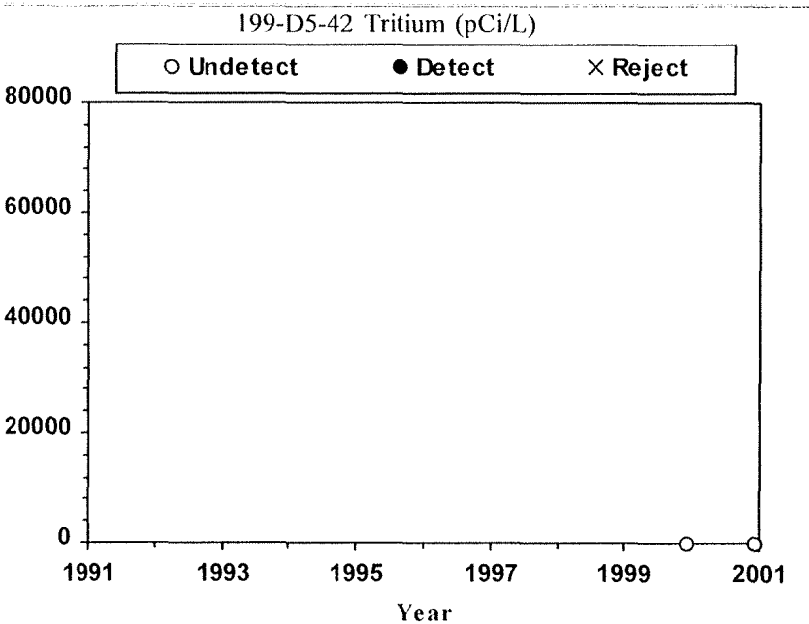

199-D5-18 Tritium (pCi/L)
○ Undetect
● Detect
× Reject
80000
60000
40000
20000
0
1991
1993
1995
1997
1999
2001
Year


199-D5-19 Tritium (pCi/L)
○ Undetect
● Detect
× Reject
80000
60000
40000
20000
0
1991
1993
1995
1997
1999
2001
Year

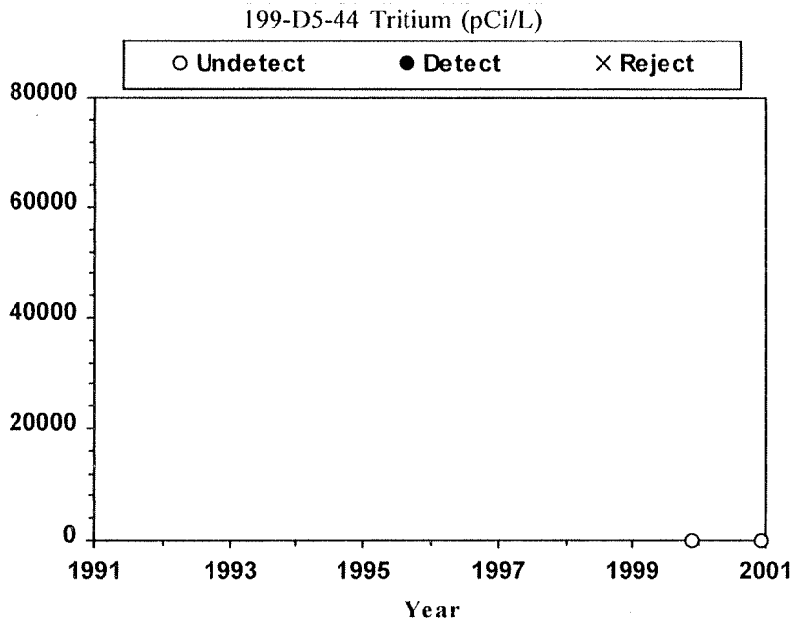

199-D5-20 Tritium (pCi/L)
Undetect
Detect
Reject
80000
60000
40000
20000
0
1991
1993
1995
1997
1999
2001
Year

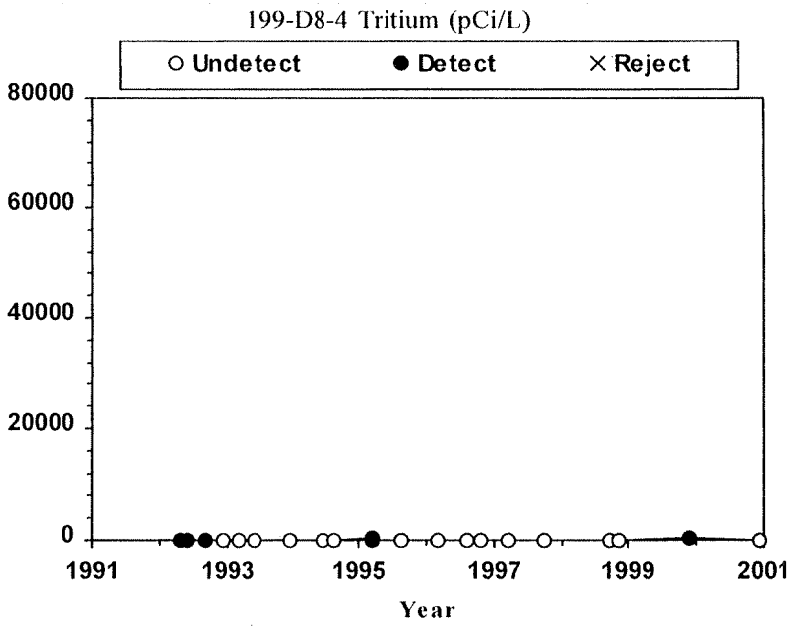

199-D5-37 Tritium (pCi/L)
Undetect
Detect
Reject
80000
60000
40000
20000
0
1991
1993
1995
1997
1999
2001
Year

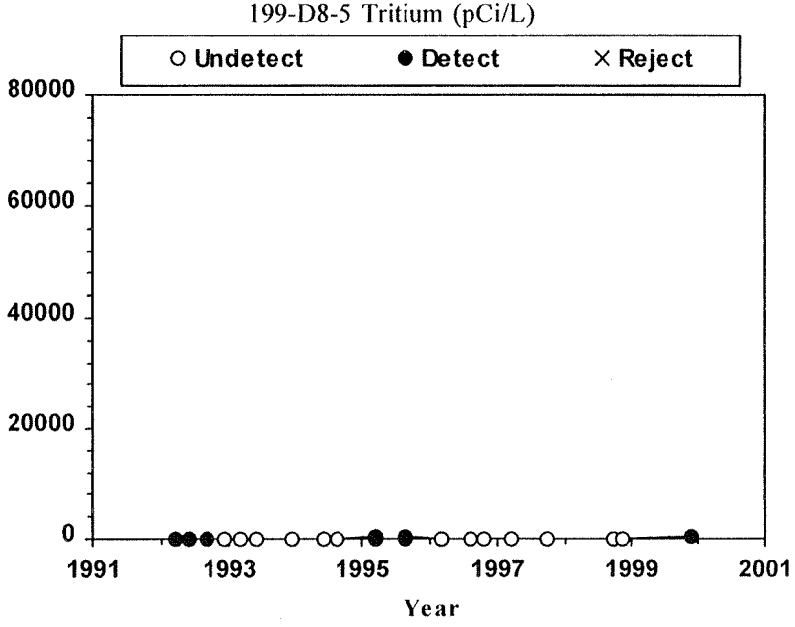

199-D5-41 Tritium (pCi/L)
Undetect
Detect
Reject
80000
60000
40000
20000
0
1991
1993
1995
1997
1999
2001
Year

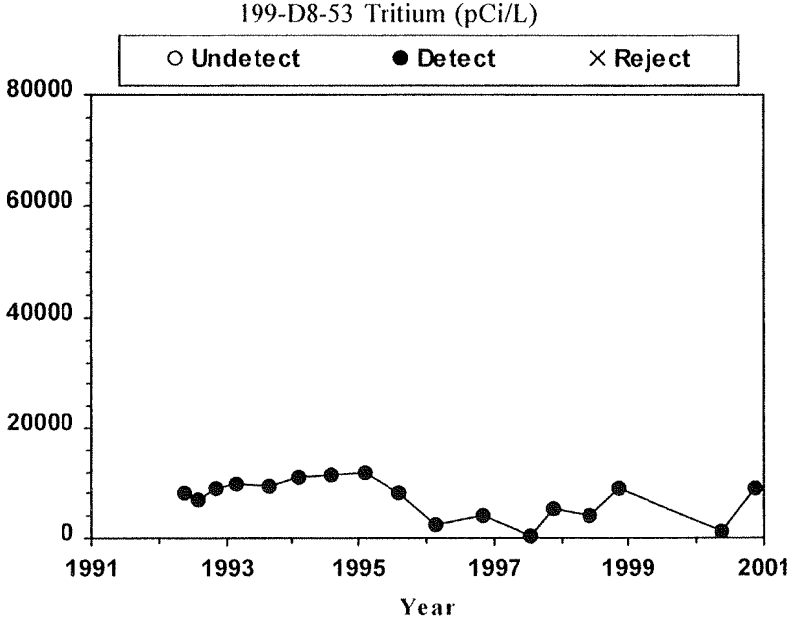

199-D5-42 Tritium (pCi/L)
Undetect
Detect
Reject
80000
60000
40000
20000
0
1991
1993
1995
1997
1999
2001
Year

Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

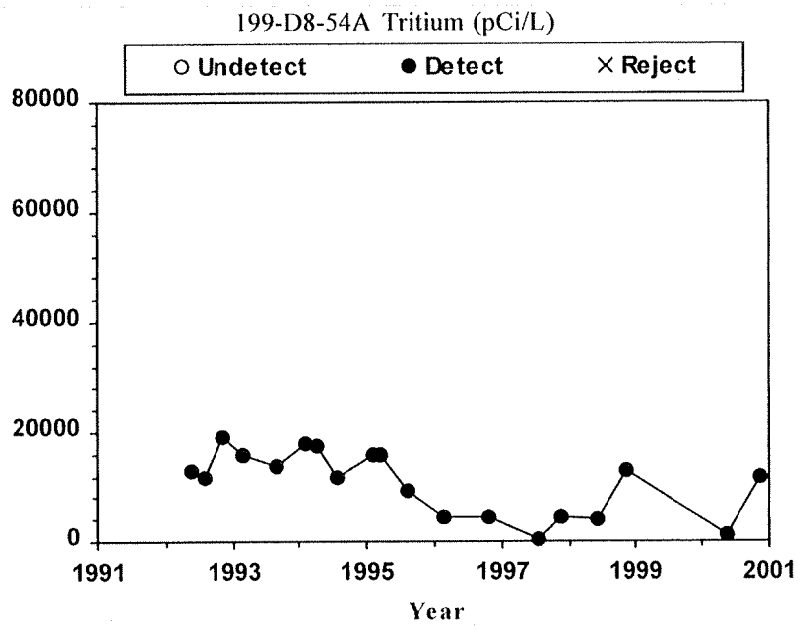


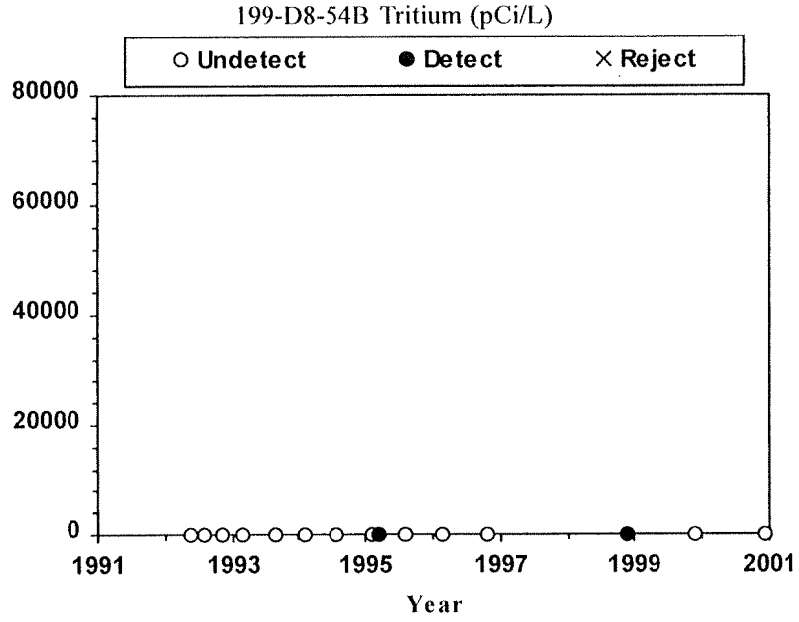


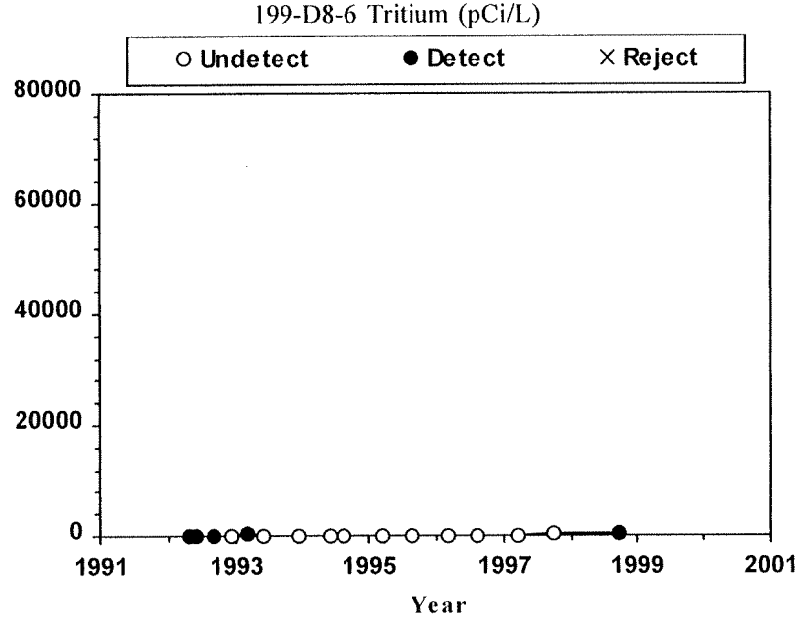


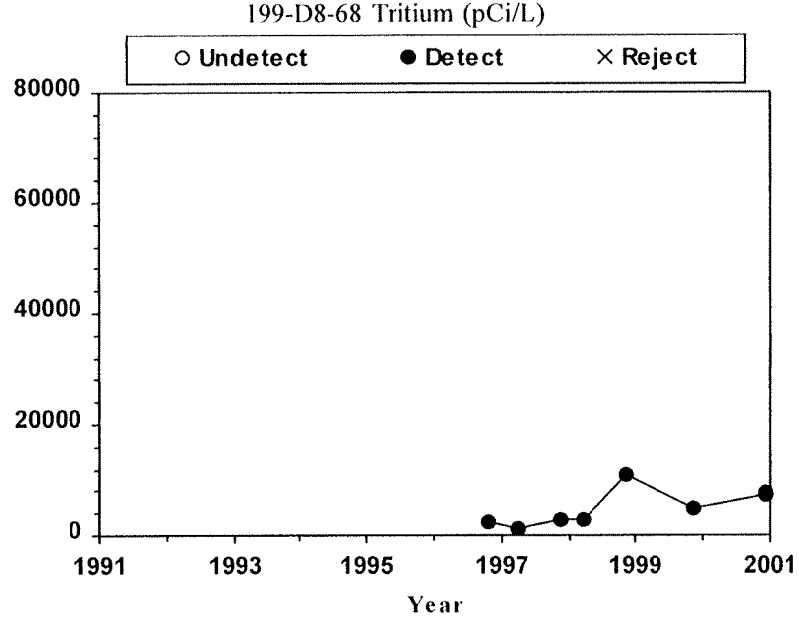


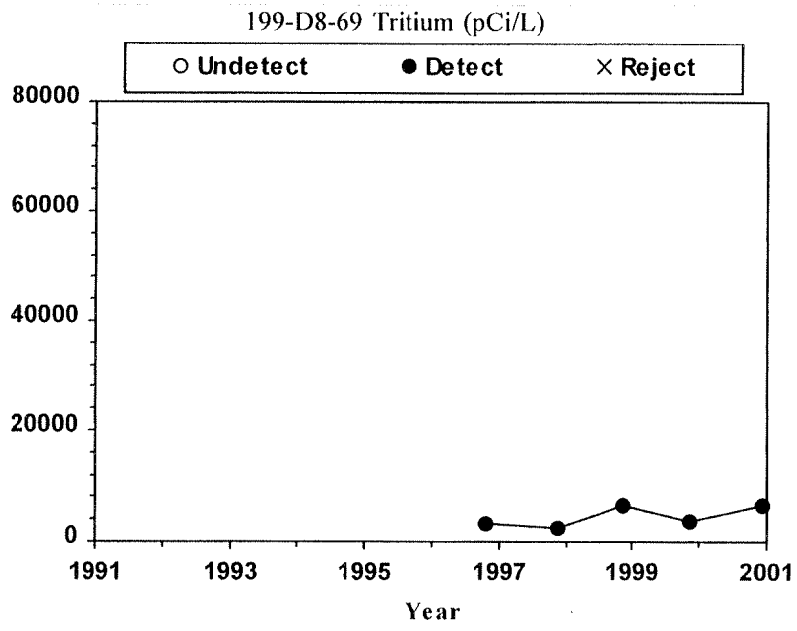
Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

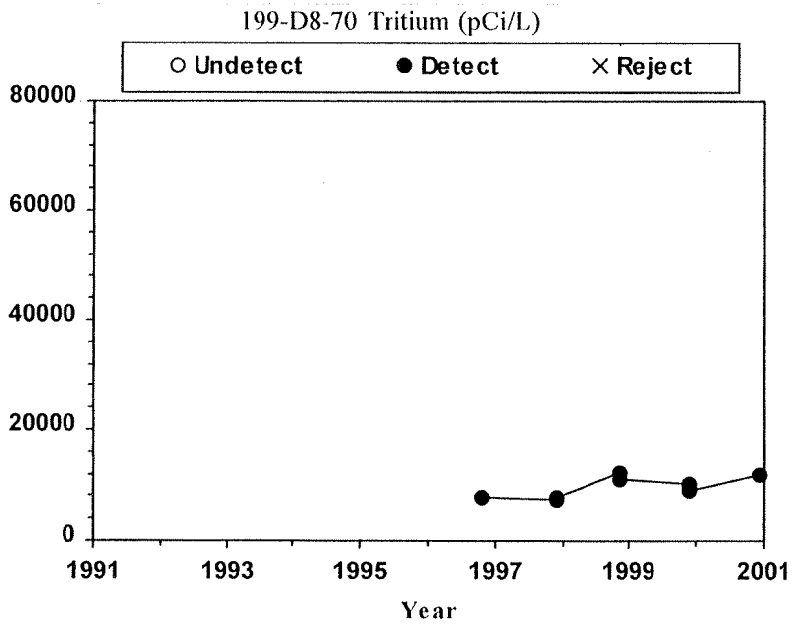


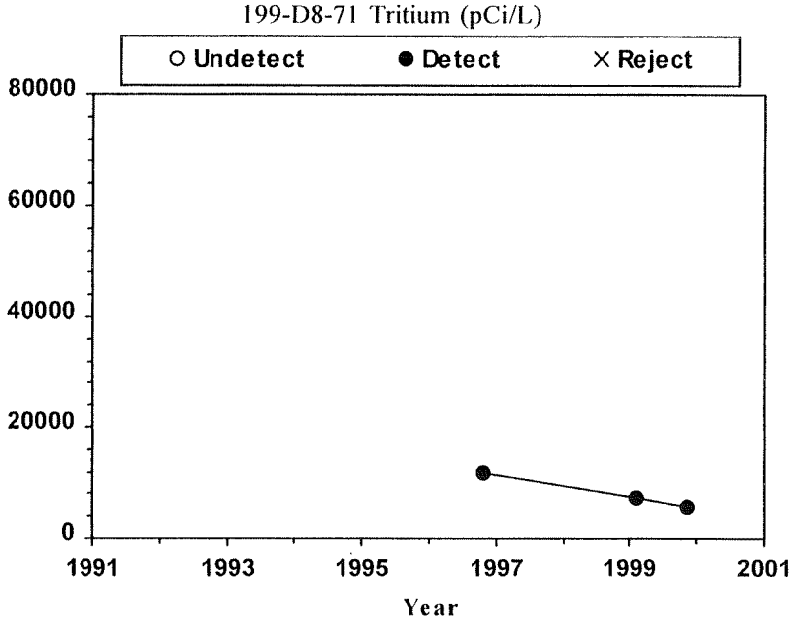




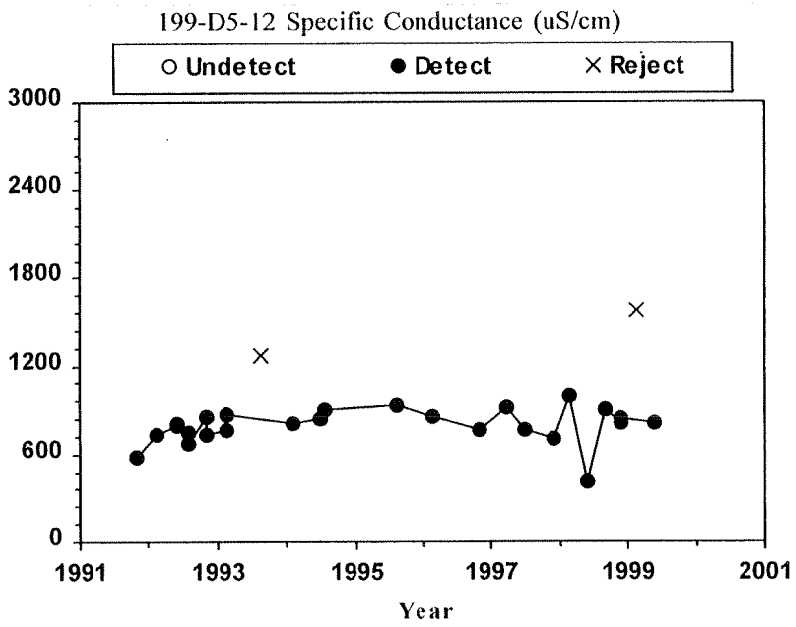


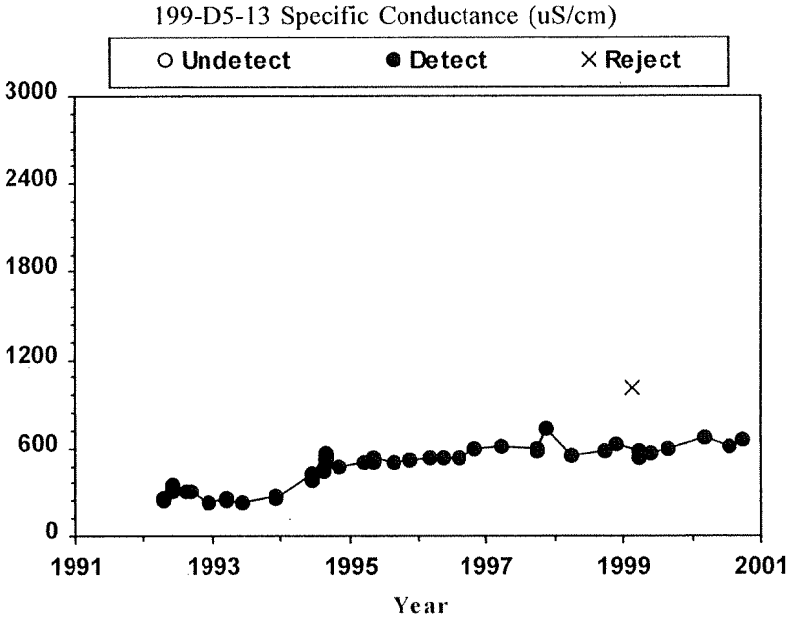

199-D8-69 Tritium (pCi/L)
Undetect
Detect
Reject
80000
60000
40000
20000
0
1991
1993
1995
1997
1999
2001
Year

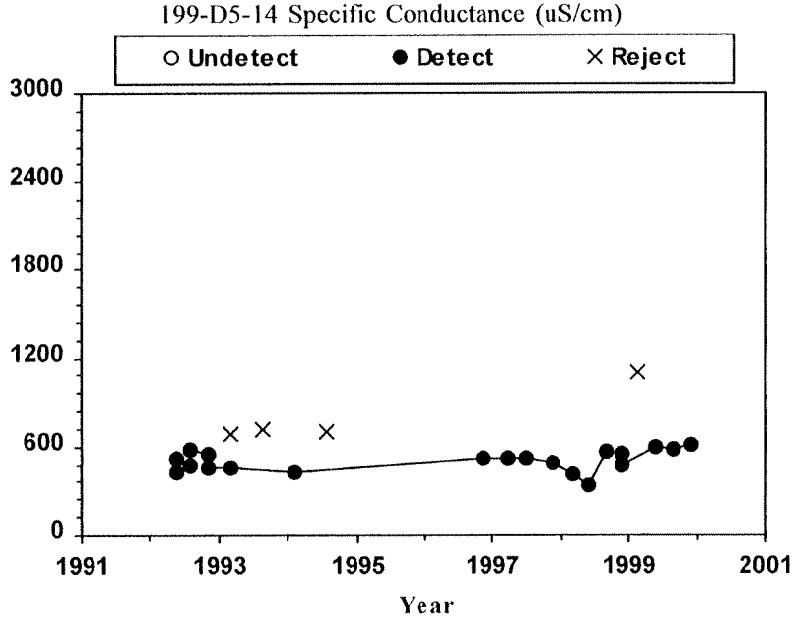

199-D8-70 Tritium (pCi/L)
Undetect
Detect
Reject
80000
60000
40000
20000
0
1991
1993
1995
1997
1999
2001
Year

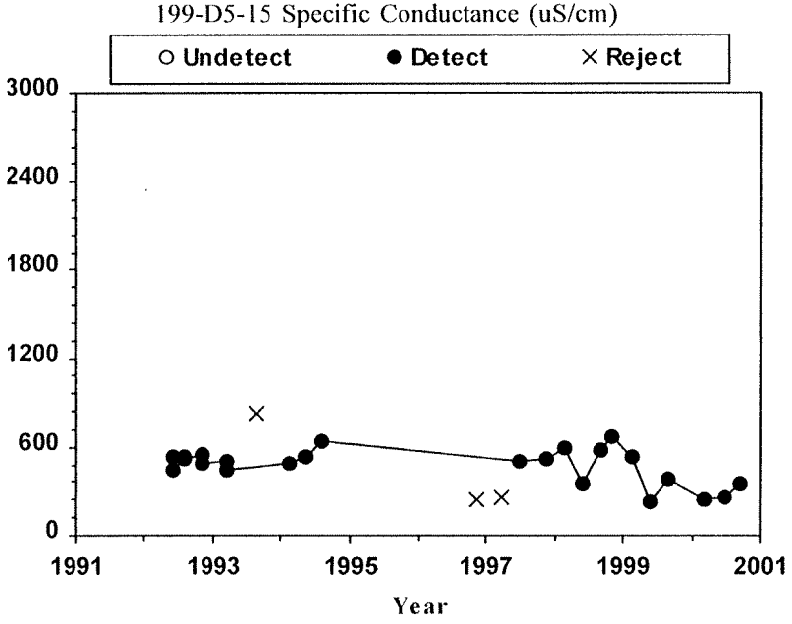

199-D8-71 Tritium (pCi/L)
Undetect
Detect
Reject
80000
60000
40000
20000
0
1991
1993
1995
1997
1999
2001
Year

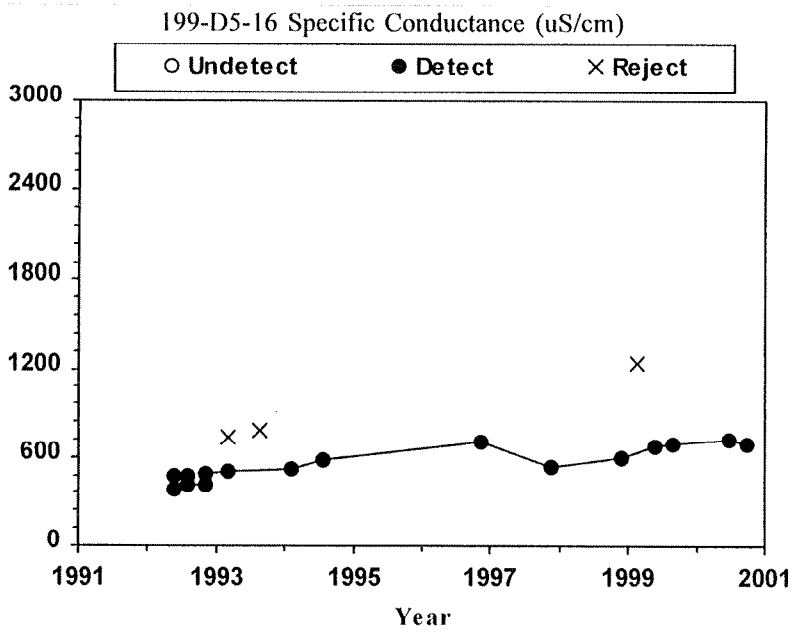
Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

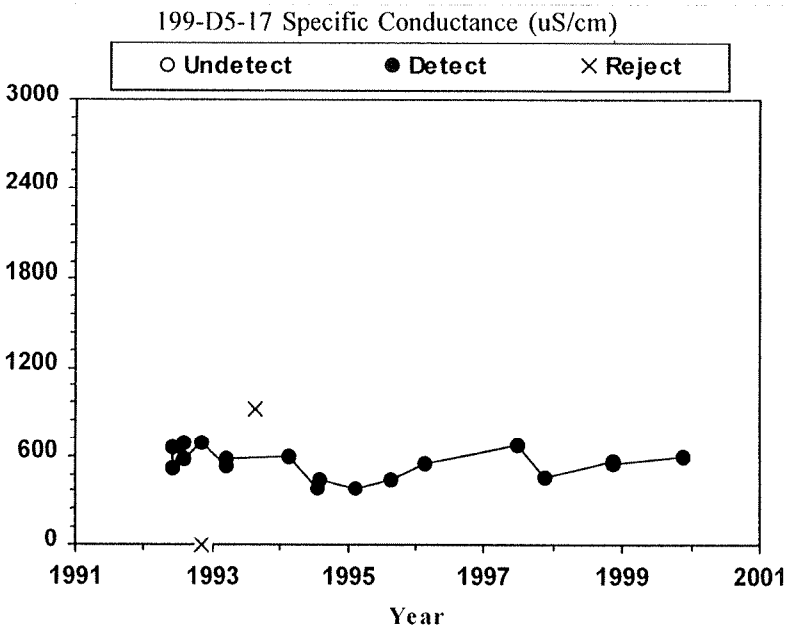


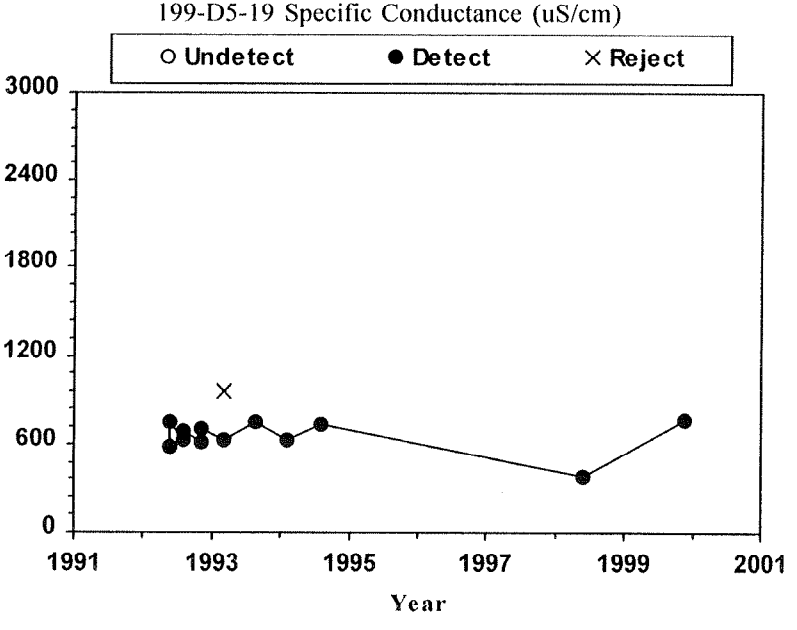


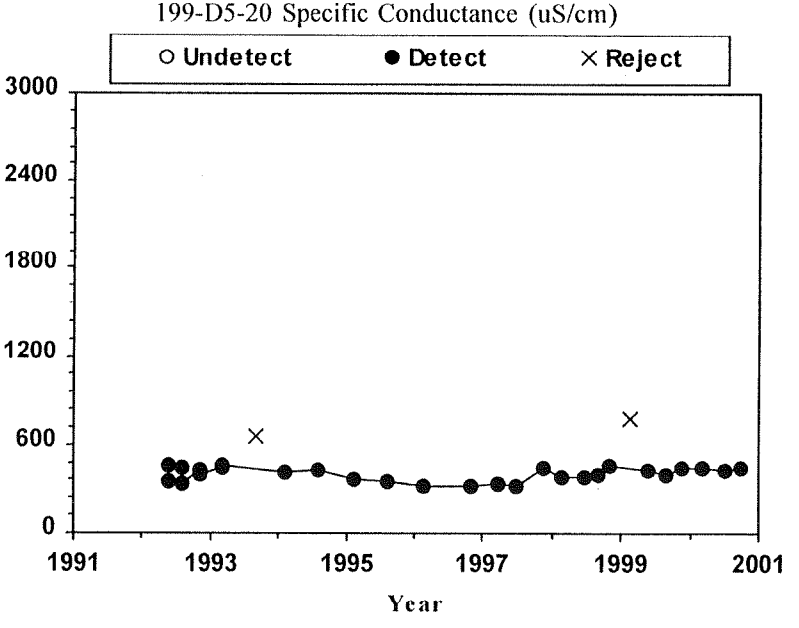




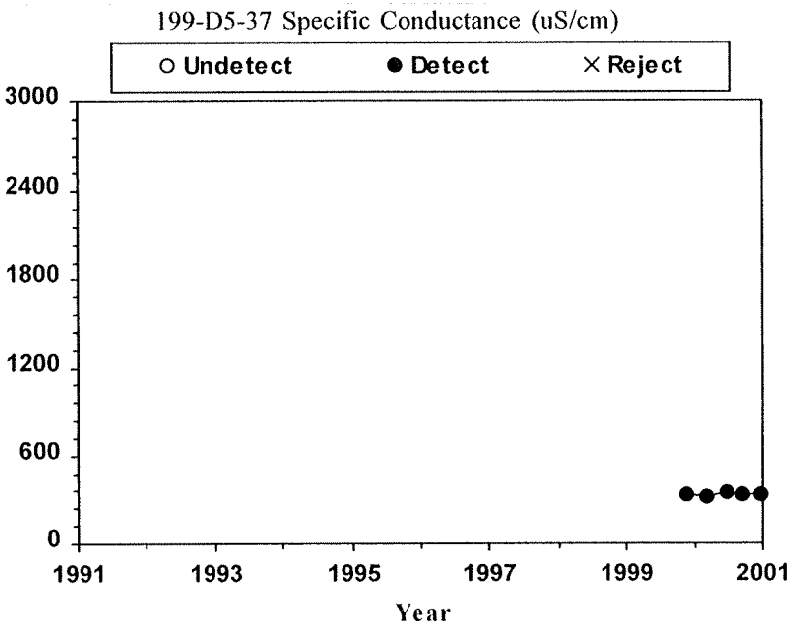

199-D5-16 Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year

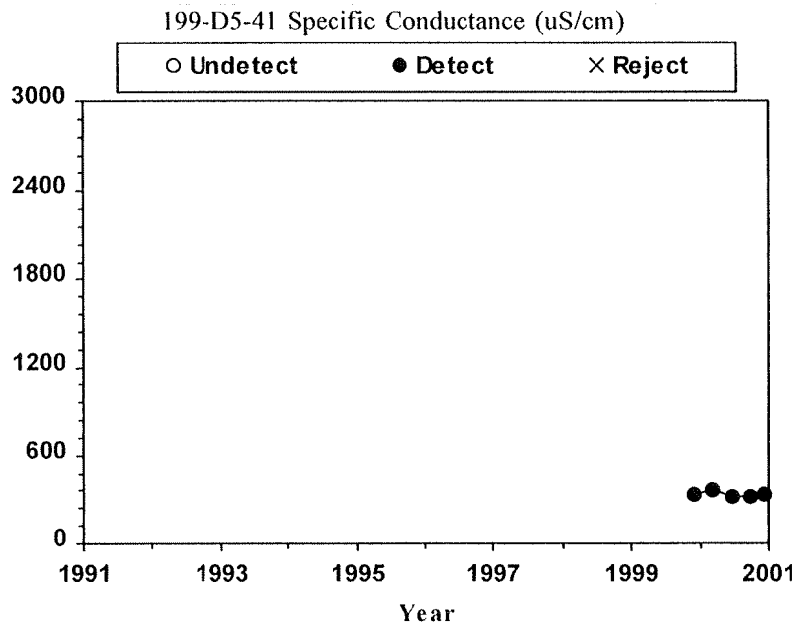

199-D5-17 Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year

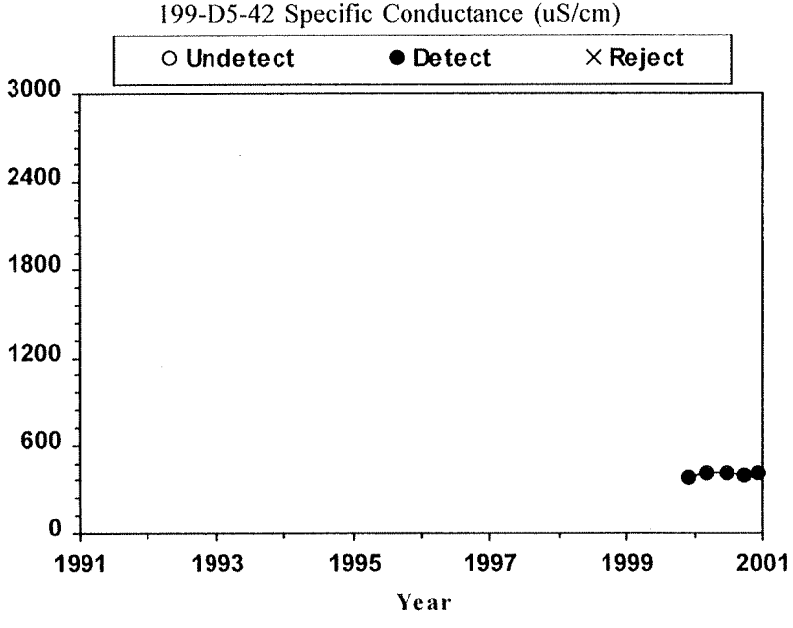

199-D5-19 Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year

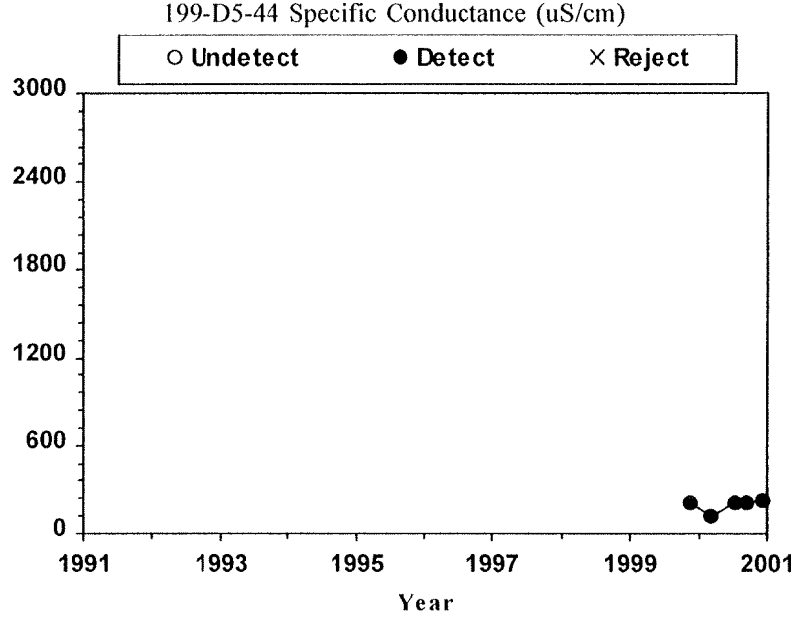

199-D5-20 Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year

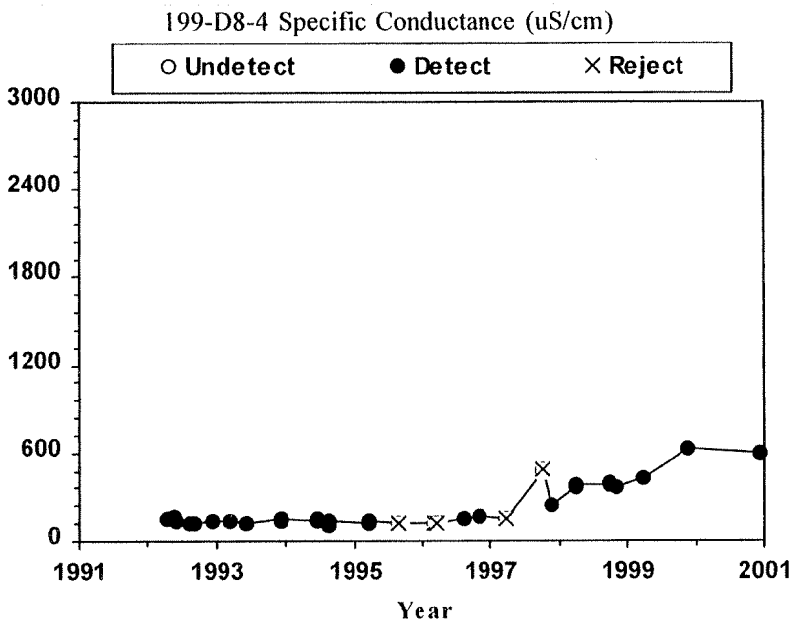
Appendix D – 100-HR-3 Contaminant Trend Plots for the 100-D Area Wells

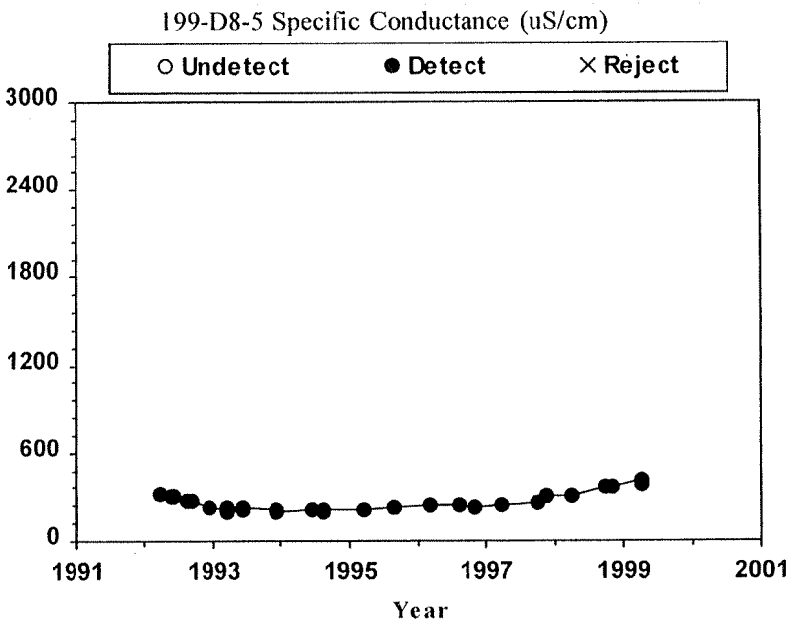


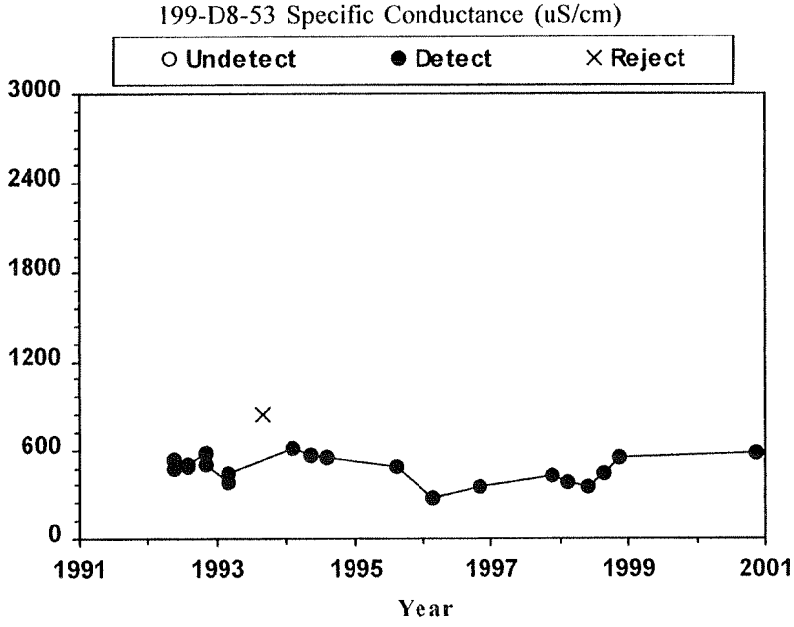


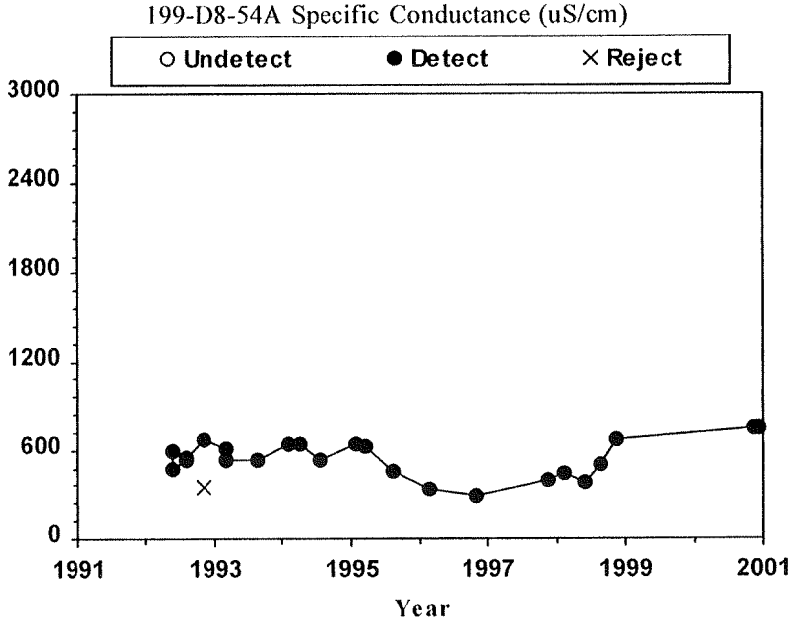


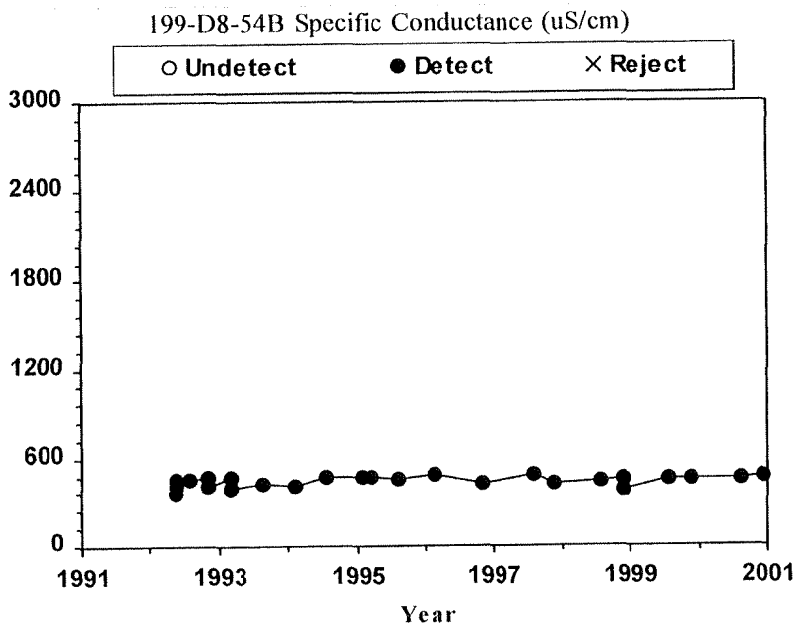


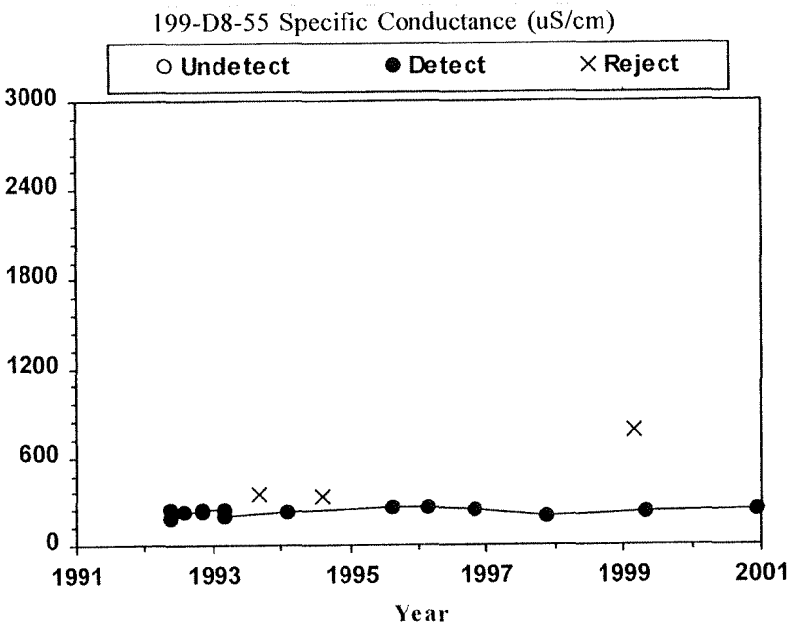

199-D8-4 Specific Conductance (uS/cm)
○ Undetect
● Detect
× Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year

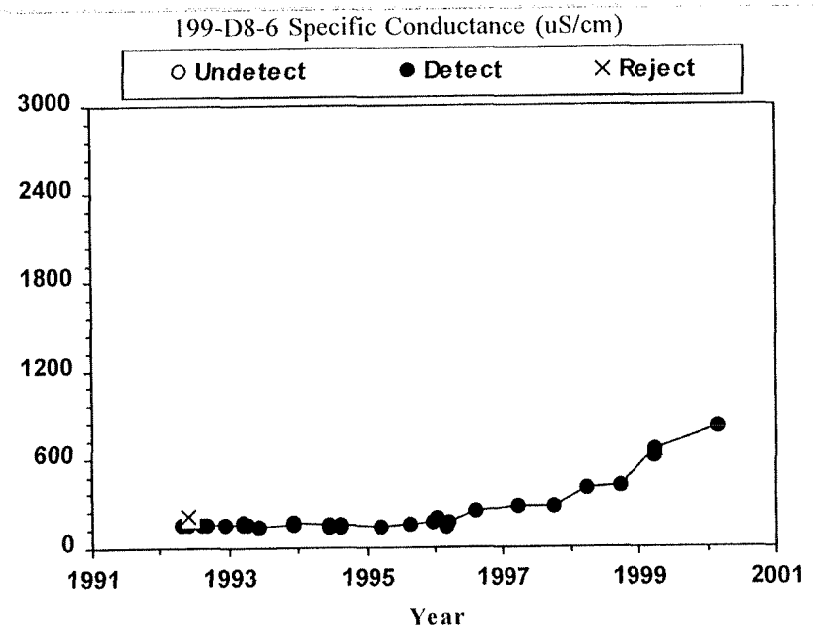

199-D8-5 Specific Conductance (uS/cm)
○ Undetect
● Detect
× Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year

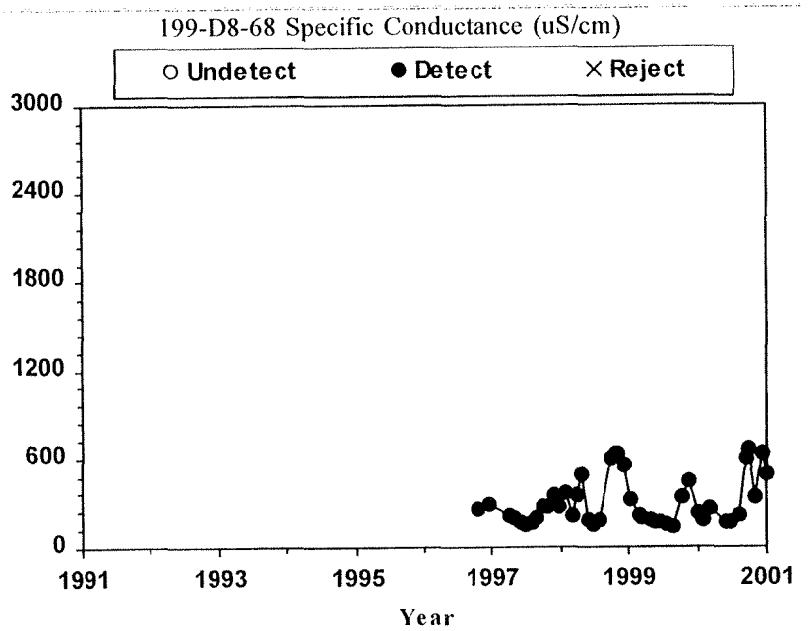

199-D8-53 Specific Conductance (uS/cm)
○ Undetect
● Detect
× Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year

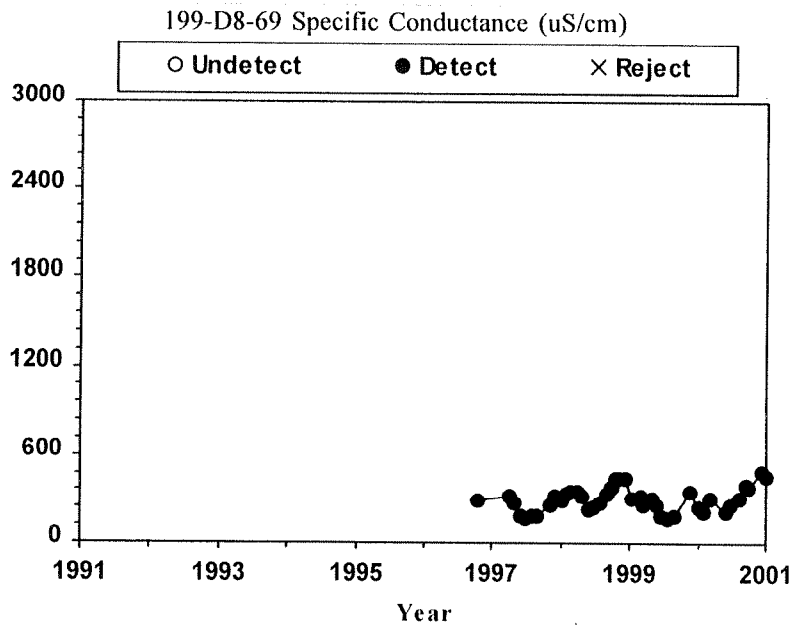

199-D8-54A Specific Conductance (uS/cm)
○ Undetect
● Detect
× Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year

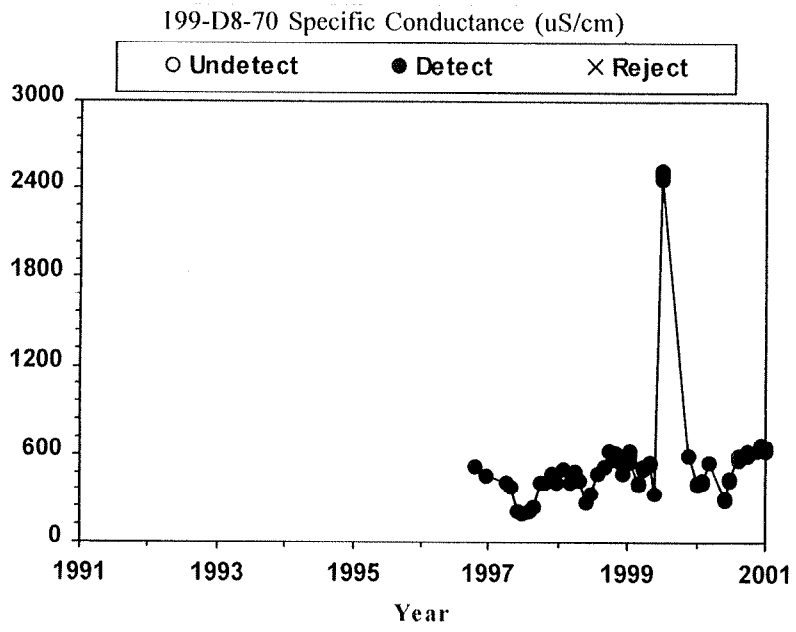

199-D8-54B Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year

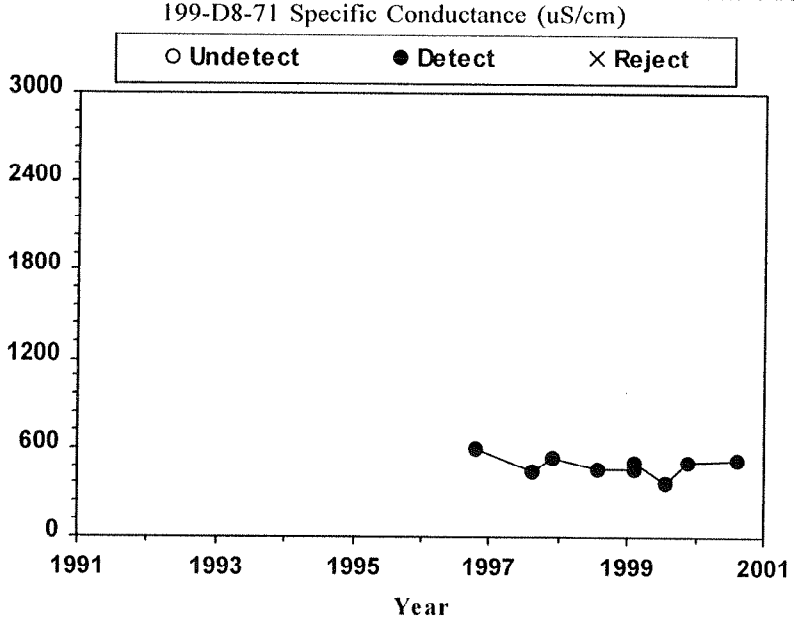

199-D8-55 Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year

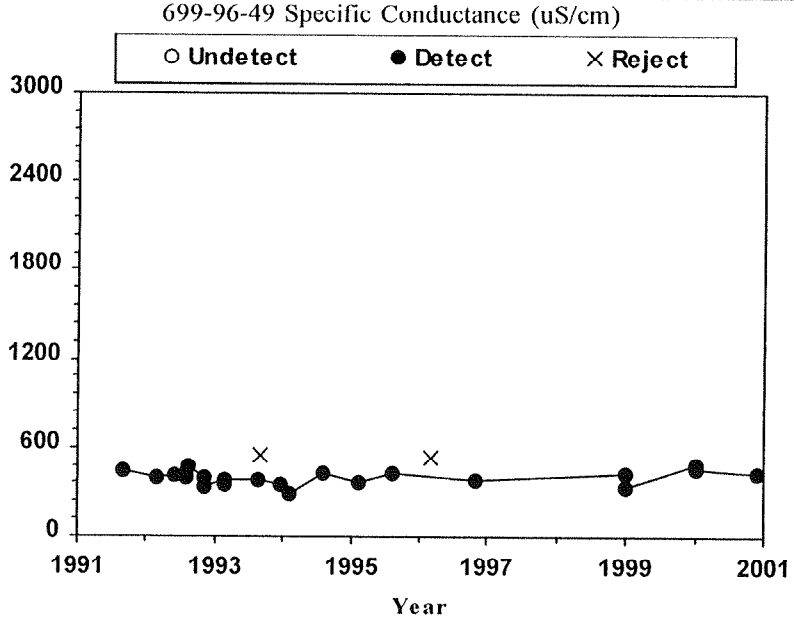

199-D8-6 Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year


199-D8-68 Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year


199-D8-69 Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year


199-D8-70 Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year


199-D8-71 Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year


699-96-49 Specific Conductance (uS/cm)
Undetect
Detect
Reject
3000
2400
1800
1200
600
0
1991
1993
1995
1997
1999
2001
Year

APPENDIX E

100 AREA SAMPLING AND ANALYSIS MATRIX

Table E-1. Schedule Analyte List. (2 Pages)

Offsite Lab								Onsite Lab	Field Management				Fiscal Year 2000											
Well Number	Well ID	Frequency	Nitrate	Sr-89/Sr-90	Tc-99	Tritium	U total	Cr+6	pH	Temperature	Spec Cond	Turbidity	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
199 D8-54B	A4583	SA						X	X	X	X	X		X								X		
199 D8-71	B2775	SA						X	X	X	X	X		X								X		
199-D8-68	B2772	A		X		X		X	X	X	X	X		X										
199-D8-68	B2772	M						X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-D8-69	B2773	A		X		X		X	X	X	X	X		X										
199-D8-69	B2773	M						X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-D8-70	B2774	A		x		X		X	X	X	X	X		X										
199-D8-70	B2774	M						X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-H4-10	A4614	SA						X	X	X	X	X		X								X		
199-H4-12B	A4617	SA						X	X	X	X	X		X								X		
199-H4-12C	A4618	SA						X	X	X	X	X		X								X		
199-H4-13	A4619	SA						X	X	X	X	X		X								X		
199-H4-14	A4620	SA						X	X	X	X	X		X								X		
199-H4-15B	A4622	SA						X	X	X	X	X		X								X		
199-H4-15CS	A4625	SA						X	X	X	X	X		X								X		
199-H4-16	A4626	SA						X	X	X	X	X		X								X		
199-H4-17	A4627	SA						X	X	X	X	X		X								X		
199-H4-18	A4628	SA						X	X	X	X	X		X								X		
199-H4-3	A4629	SA						X	X	X	X	X		X								X		
199-H4-4	A4630	A	X	X	X	X	X	X	X	X	X	X		X										
199-H4-4	14630	M						X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-H4-45	A4631	SA						X	X	X	X	X		X								X		
199-H4-46	A4632	SA						X	X	X	X	X		X								X		

Table E-1. Schedule Analyte List. (2 Pages)

Offsite Lab								Onsite Lab	Field Management				Fiscal Year 2000											
Well Number	Well ID	Frequency	Nitrate	Sr-89/Sr-90	Tc-99	Tritium	U total	Cr+6	pH	Temperature	Spec Cond	Turbidity	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
199-H4-48	A4634	SA						X	X	X	X	X		X								X		
199-H4-49	A4635	SA						X	X	X	X	X		X								X		
199-H4-5	A4636	A	X	X	X	X	X	X	X	X	X	X		X										
199-H4-5	A4636	M						X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-H4-6	A4637	SA						X	X	X	X	X		X								X		
199-H4-63	B2776	A	X	X	X	X	X	X	X	X	X	X		X										
199-H4-63	B2776	M						X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-H4-64	B2777	A	X	X	X	X	X	X	X	X	X	X		X										
199-H4-64	B2777	M						X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-H4-8	A4639	SA						X	X	X	X	X		X								X		
199-H5-1A	A4641	SA						X	X	X	X	X		X								X		

10% = duplicates and splits.
Cr+6 = one matrix spike/matrix spike duplicate per sample batch (quarterly).
QC = duplicates are to include all analytes; QC splits are for Cr+6 only.

Table E-2. Schedule Analyte List. (2 Pages)

Offsite Lab									Onsite		Field Management				Fiscal Year 2000											
Well Number	Well ID	Frequency	ICP-M(filt)	ICP-M(unfilt)	IC-Anions	Alpha	Beta	Tritium	Sulfate	Cr+6	pH	Temperature	Spec Cond	Turbidity	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
100-D Monitoring Wells																										
199-D5-13	A4570	A	X	X	X	X	X	X			X	X	X	X		X										
199-D5-13	A4570	Q								X	X	X	X	X					X			X			X	
199-D5-14	A4571	A	X	X	X	X	X	X			X	X	X	X		X										
199-D5-14	A4571	Q								X	X	X	X	X					X			X			X	
199-D5-15	A4572	A	X	X	X	X	X	X			X	X	X	X		X										
199-D5-15	A4572	Q								X	X	X	X	X					X			X			X	
199-D5-16	A4573	A	X	X	X	X	X	X			X	X	X	X		X										
199-D5-16	A4573	Q								X	X	X	X	X					X			X			X	
199-D5-17	A4574	A	X	X	X	X	X	X			X	X	X	X		X										
199-D5-20	A4577	A	X	X	X	X	X	X			X	X	X	X		X										
199-D5-20	A4577	Q								X	X	X	X	X					X			X			X	
199-D5-37	B8745	A	X	X	X	X	X	X			X	X	X	X		X										
199-D5-37	B8745	Q							X	X	X	X	X	X					X			X			X	
199-D5-41	B8751	A	X	X	X	X	X	X			X	X	X	X		X										
199-D5-41	B8751	Q							X	X	X	X	X	X					X			X			X	
199-D5-42	B8752	A	X	X	X	X	X	X			X	X	X	X		X										
199-D5-42	B8752	Q							X	X	X	X	X	X					X			X			X	
199-D5-44	B8754	A	X	X	X	X	X	X			X	X	X	X		X										
199-D5-44	B8754	Q							X	X	X	X	X	X					X			X			X	
199-D8-4	A4579	A	X	X	X	X	X	X			X	X	X	X		X										
199-D8-5	A4580	A	X	X	X	X	X	X			X	X	X	X		X										
199-D8-54B	A4583	A	X	X	X	X	X	X			X	X	X	X		X										
199-D8-54B	A4583	SA								X	X	X	X	X		X								X		
199-D8-55	A4584	A	X	X	X	X	X	X			X	X	X	X		X			X							
199-D8-55	A4584	Q								X	X	X	X	X					X			X			X	
199-D8-71	B2775	SA								X	X	X	X	X		X								X		

Table E-2. Schedule Analyte List. (2 Pages)

Offsite Lab									Onsite		Field Management				Fiscal Year 2000											
Well Number	Well ID	Frequency	ICP-M(filt)	ICP-M(unfilt)	IC-Anions	Alpha	Beta	Tritium	Sulfate	Cr+6	pH	Temperature	Spec Cond	Turbidity	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
100-D Compliance Wells																										
199-D8-68	B2772	A					X	X		X	X	X	X	X		X										
199-D8-68	B2772	M								X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-D8-69	B2773	A					X	X		X	X	X	X	X		X										
199-D8-69	B2773	M								X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-D8-70	B2774	A					X	X		X	X	X	X	X		X										
199-D8-70	B2774	M								X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
100-D Seeps																										
SD-102-1	B8866	A	X	X	X	X	X	X			X	X	X	X	X											
SD-110-1	B8867	A	X	X	X	X	X	X			X	X	X	X	X											
SD-110-2	B8868	A	X	X	X	X	X	X			X	X	X	X	X											
SD-98-1	B8869	A	X	X	X	X	X	X			X	X	X	X	X											

Table E-3. Schedule Analyte List. (2 Pages)

Offsite												Onsite	Field Management				Fiscal Year 2000											
Well Number	Well ID	Frequency	ICP-M (filt)	ICP-M (unfilt)	IC-Anions	Mercury (F and U)	Alpha	Beta	Gamma Spec	Sr-89/Sr-90	Tritium	Cr+6	pH	Temperature	Spec Cond	Turbidity	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
100-K Monitoring Wells																												
199-K-107A	A9843	A	X	X	X		X	X	X		X			X	X	X	X	X										
199-K-107A	A9843	Q											X	X	X	X	X				X			X			X	
199-K-108A	A9844	A	X	X	X		X	X	X		X	X		X	X	X	X	X										
199-K-108A	A9844	Q											X	X	X	X	X				X			X			X	
199-K-109A	A9828	A	X	X	X		X	X	X	X	X			X	X	X	X	X										
199-K-109A	A9828	Q								X				X	X	X	X				X			X			X	
199-K-111A	A9830	A	X	X	X		X	X	X		X	X		X	X	X	X	X										
199-K-19	A4648	SA										X	X	X	X	X	X									X		
199-K-19	A4648	A	X	X	X		X	X	X		X			X	X	X	X	X										
199-K-21	A4650	SA										X	X	X	X	X	X									X		
199-K-21	A4650	A	X	X	X		X	X	X		X			X	X	X	X	X										
199-K-22	A4651	SA										X	X	X	X	X	X									X		
199-K-22	A4651	A	X	X	X		X	X	X		X			X	X	X	X	X										
199-K-27	A4653	Q								X				X	X	X	X	X			X			X			X	
199-K-30	A4655	Q								X				X	X	X	X	X			X			X			X	
199-K-31	A4656	A	X	X	X		X	X	X		X			X	X	X	X	X										
199-K-32A	A4657	A	X	X	X		X	X	X		X	X		X	X	X	X	X										
199-K-32B	A4658	A	X	X	X		X	X	X		X			X	X	X	X	X										
199-K-33	A4659	A	X	X	X		X	X	X		X	X		X	X	X	X	X										
199-K-36	A4662	A	X	X	X	X	X	X	X		X			X	X	X	X	X										
199-K-36	A4662	Q											X	X	X	X	X				X			X			X	
199-K-37	A4663	SA										X	X	X	X	X	X									X		
199-K-37	A4663	A	X	X	X		X	X	X		X			X	X	X	X	X										

Table E-3. Schedule Analyte List. (2 Pages)

Offsite												Onsite	Field Management				Fiscal Year 2000											
Well Number	Well ID	Frequency	ICP-M (filt)	ICP-M (unfilt)	IC-Anions	Mercury (F and U)	Alpha	Beta	Gamma Spec	Sr-89/Sr-90	Tritium	Cr+6	pH	Temperature	Spec Cond	Turbidity	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
100-K Compliance Wells																												
199-K-114A	B2801	A								X	X		X	X	X	X	X											
199-K-114A	B2801	M										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
199-K-117A	B2804	A								X	X		X	X	X	X	X											
199-K-117A	B2804	M										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
199-K-126	B8760	A								X	X		X	X	X	X	X											
199-K-126	B8760	M										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
199-K-18	A4647	A								X	X		X	X	X	X	X											
199-K-18	A4647	M										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
199-K-18	A4647	A	X	X	X		X	X	X		X			X	X	X	X	X										
199-K-20	A4649	A								X	X		X	X	X	X	X											
199-K-20	A4649	M										X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
199-K-20	A4649	A	X	X	X		X	X	X		X			X	X	X	X	X										
100-K Seeps																												
SK-057-3	B8875	A	X	X	X		X	X	X		X			X	X	X	X	X										
SK-077-1	B8876	A	X	X	X		X	X	X		X			X	X	X	X	X										
SK-082-2	B8877	A	X	X	X		X	X	X		X			X	X	X	X	X										

Table E-4. Schedule Analyte List. (2 Pages)

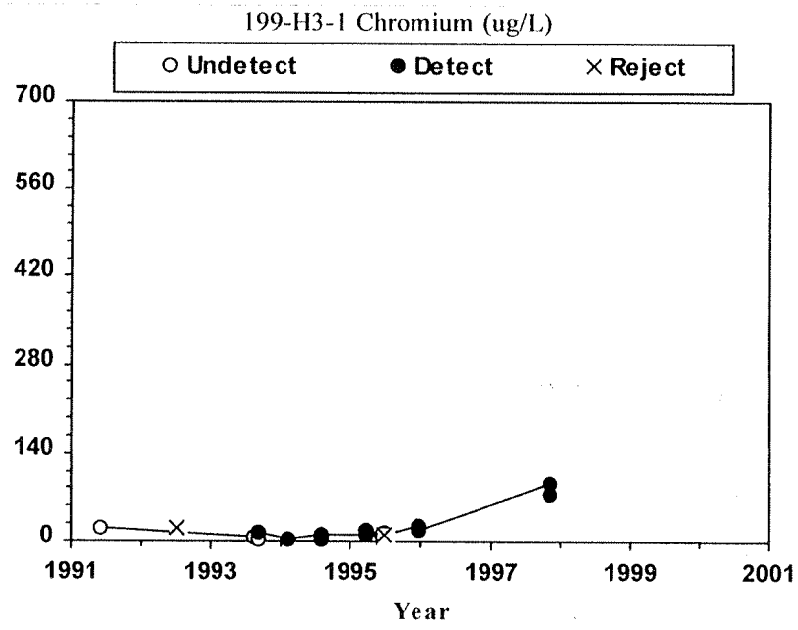
Offsite Lab														Onsite	Field Management				Fiscal Year 2000											
Well Number	Well ID	Frequency	ICP-Metals (F)	ICP-Metals (UF)	ICP-Anions	Alpha	Beta	Tritium	Sulfate	Nitrate	Sr-89/Sr-90	Tc-99	U Total	Cr+6	pH	Temperature	Spec Cond	Turbidity	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
100-H Monitoring Wells																														
199-H3-2A	A4611	A	X	X	X	X	X	X							X	X	X	X		X										
199-H4-10	A4614	A	X	X	X	X	X	X							X	X	X	X		X										
199-H4-10	A4614	SA												X	X	X	X	X		X								X		
199-H4-12B	A4622	SA												X	X	X	X	X		X								X		
199-H4-12C	A4618	A	X	X	X	X	X	X							X	X	X	X		X										
199-H4-12C	A4618	SA												X	X	X	X	X		X								X		
199-H4-13	A4619	A	X	X	X	X	X	X							X	X	X	X		X										
199-H4-13	A4619	SA												X	X	X	X	X		X								X		
199-H4-14	A4620	SA												X	X	X	X	X		X								X		
199-H4-15B	A4622	SA												X	X	X	X	X		X								X		
199-H4-15CS	A4625	SA												X	X	X	X	X		X								X		
199-H4-16	A4626	SA												X	X	X	X	X		X								X		
199-H4-17	A4627	SA												X	X	X	X	X		X								X		
199-H4-18	A4628	A	X	X	X	X	X	X							X	X	X	X		X										
199-H4-18	A4628	SA												X	X	X	X	X		X								X		
199-H4-3	A4629	A	X	X	X	X	X	X							X	X	X	X		X										
199-H4-3	A4629	SA												X	X	X	X	X		X								X		
199-H4-45	A4631	A	X	X	X	X	X	X							X	X	X	X		X										
199-H4-45	A4631	SA												X	X	X	X	X		X								X		
199-H4-46	A4632	SA												X	X	X	X	X		X								X		
199-H4-48	A4634	SA												X	X	X	X	X		X								X		
199-H4-49	A4635	SA												X	X	X	X	X		X								X		
199-H4-6	A4637	SA												X	X	X	X	X		X								X		
199-H4-8	A4639	SA												X	X	X	X	X		X								X		
199-H5-1A	A4641	SA												X	X	X	X	X		X								X		

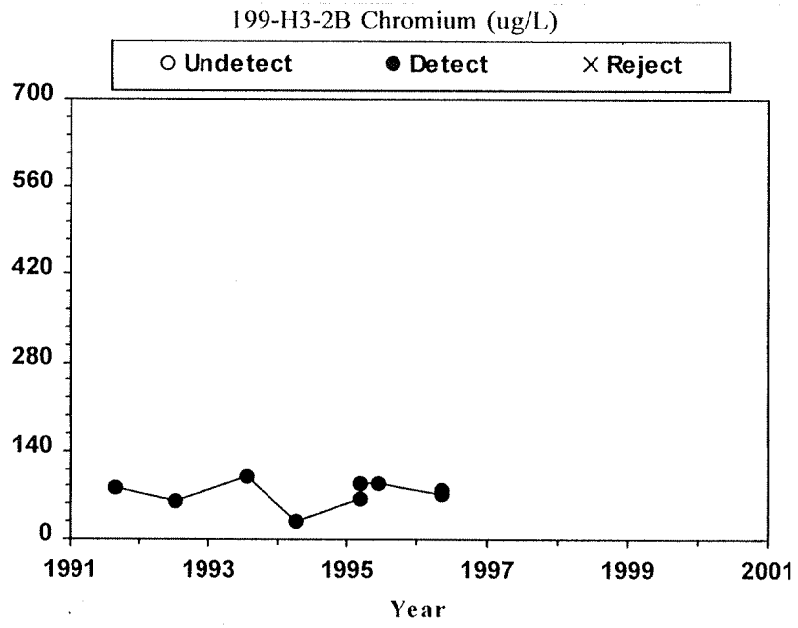
Table E-4. Schedule Analyte List. (2 Pages)

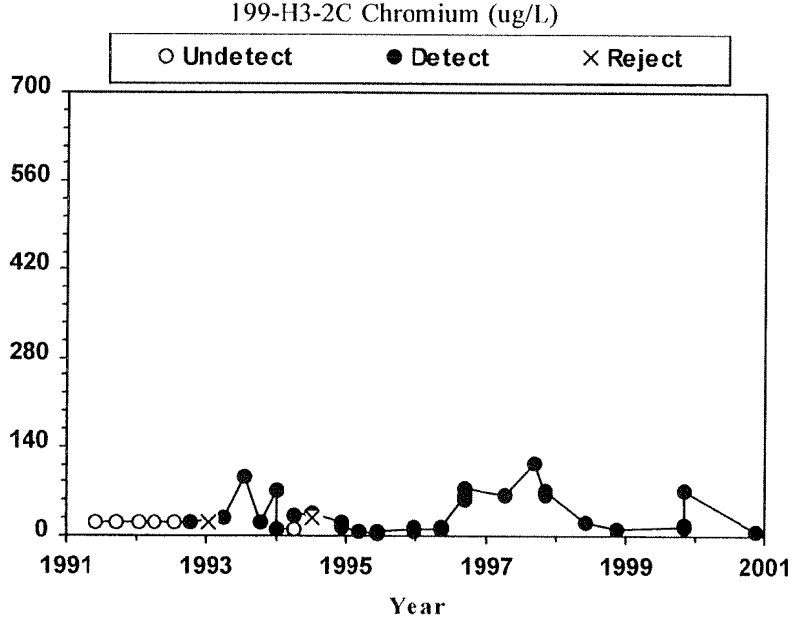
Offsite Lab														Onsite	Field Management				Fiscal Year 2000											
Well Number	Well ID	Frequency	ICP-Metals (F)	ICP-Metals (UF)	ICP-Anions	Alpha	Beta	Tritium	Sulfate	Nitrate	Sr-89/Sr90	Tc-99	U Total	Cr+6	pH	Temperature	Spec Cond	Turbidity	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
199-H6-1	A4642	A	X	X	X	X	X	X							X	X	X	X		X										
699-97-51A	A5362	A	X	X	X	X	X	X							X	X	X	X		X										
100-H Compliance Wells																														
199-H4-4	A4630	A	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X										
199-H4-4	A4630	M												X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-H4-5	A4636	A	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X										
199-H4-5	A4636	M												X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-H4-63	B2776	A	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X										
199-H4-63	B2776	M												X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
199-H4-64	B2777	A	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X		X										
199-H4-64	B2777	M												X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
100-H Seeps																														
SH-144-1	B8870	A	X	X	X	X	X	X							X	X	X	X	X											
SH-145-1	B8871	A	X	X	X	X	X	X							X	X	X	X	X											
SH-150-1	B8872	A	X	X	X	X	X	X							X	X	X	X	X											
SH-152-2	B8873	A	X	X	X	X	X	X							X	X	X	X	X											
SH-153-1	B8874	A	X	X	X	X	X	X							X	X	X	X	X											

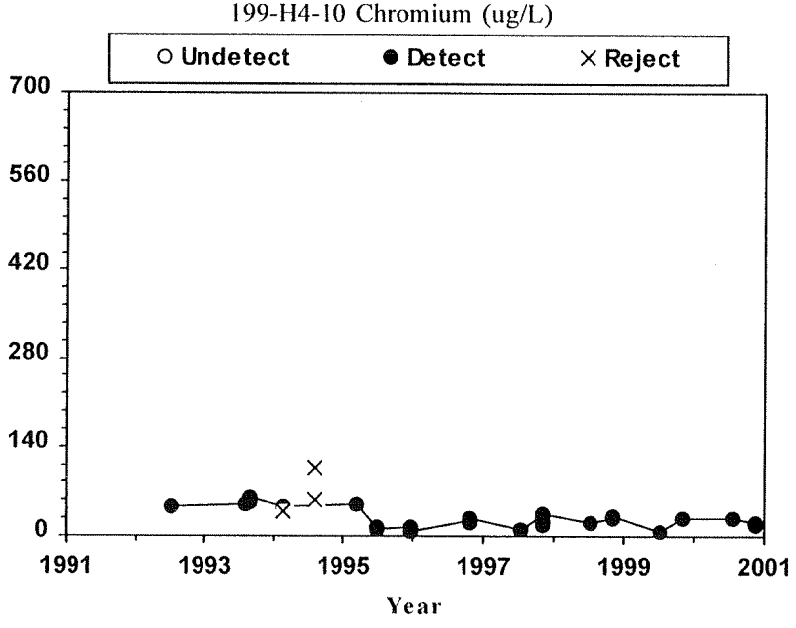
APPENDIX F

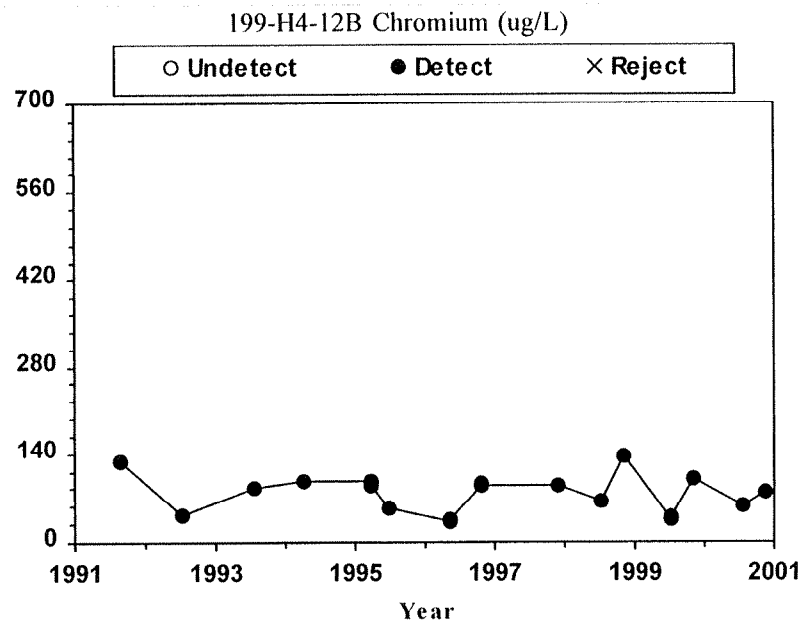
100-HR-3 CONTAMINANT TREND PLOTS FOR THE 100-H AREA WELLS

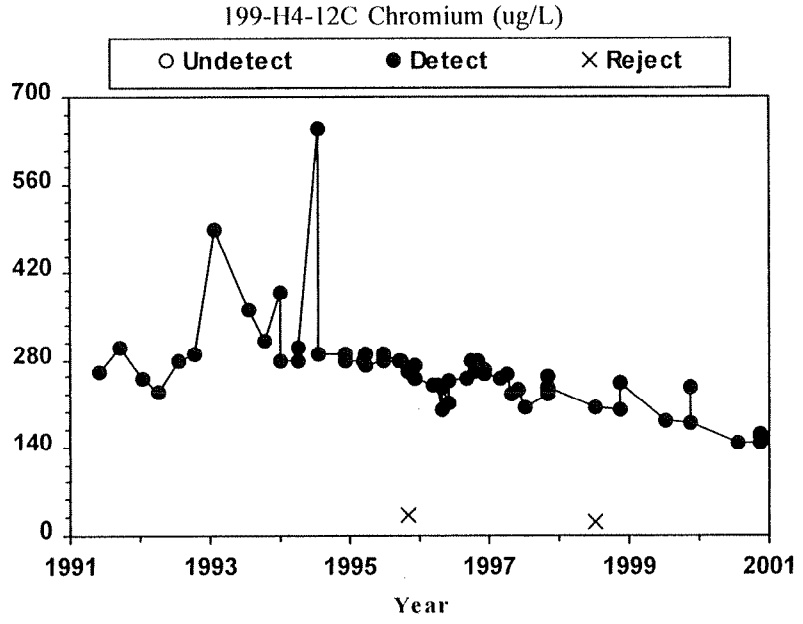

199-H3-1 Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year

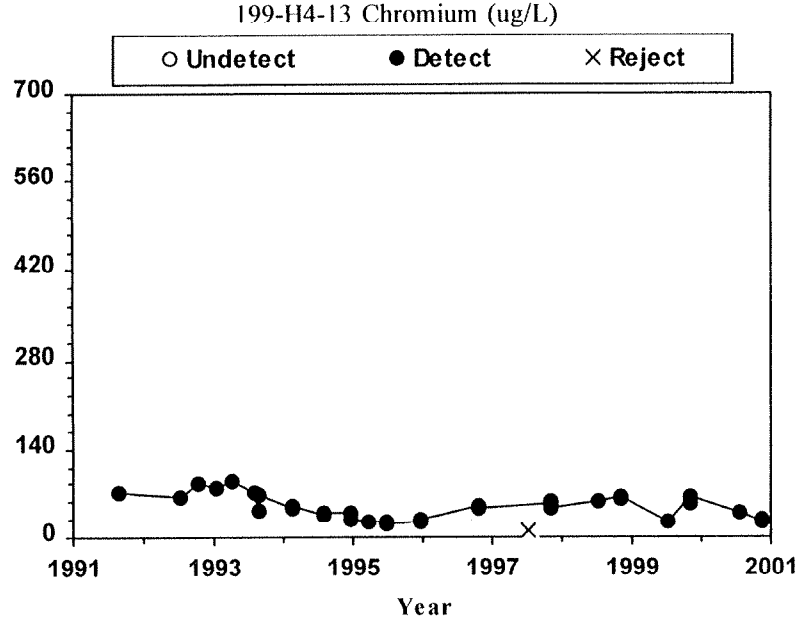

199-H3-2B Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year

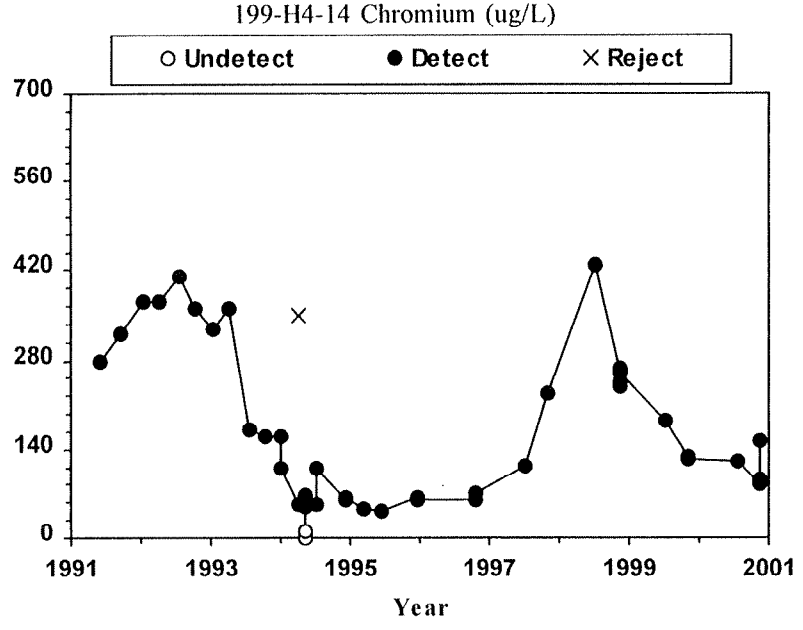

199-H3-2C Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year

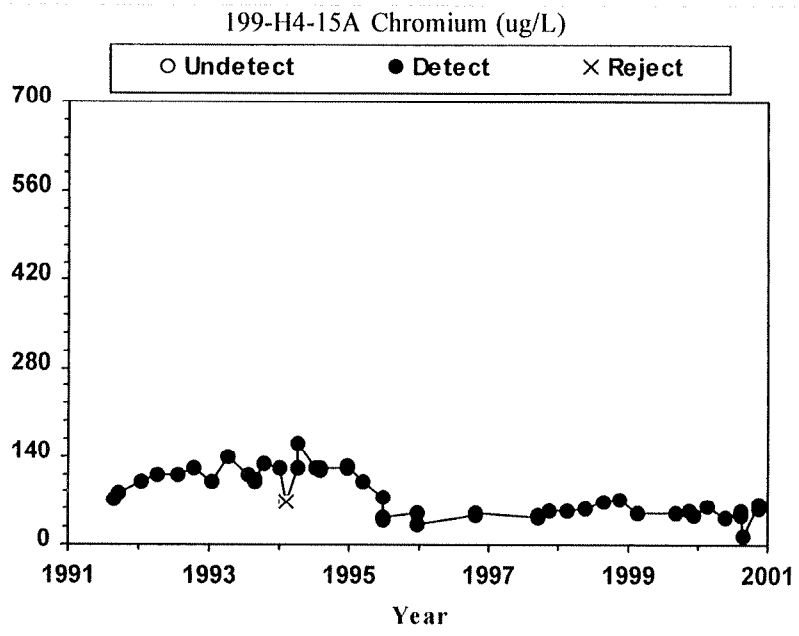

199-H4-10 Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year

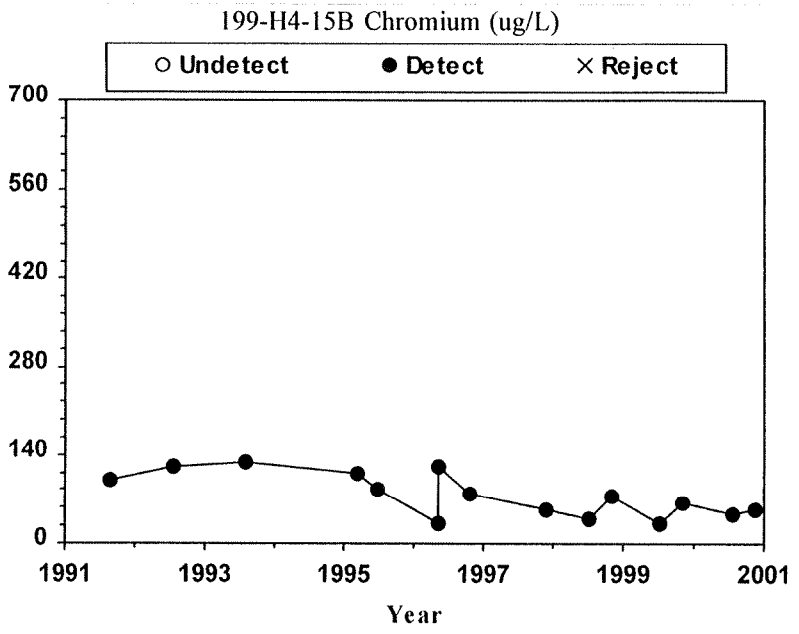

199-H4-12B Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year

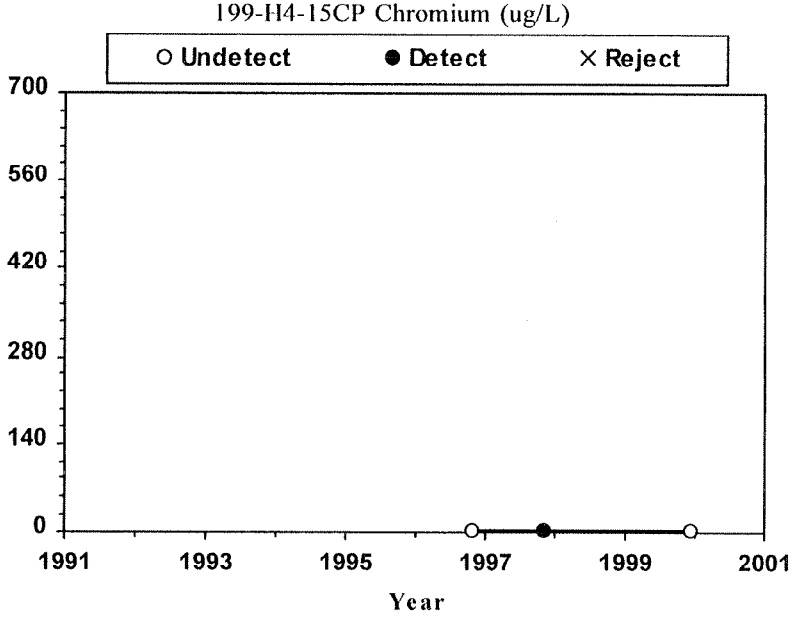

199-H4-12C Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year

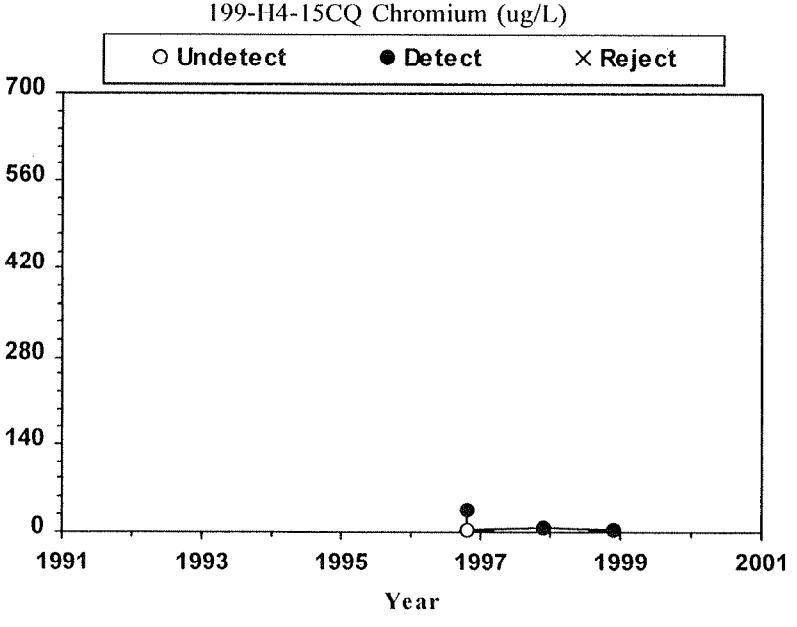

199-H4-13 Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year


199-H4-14 Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year

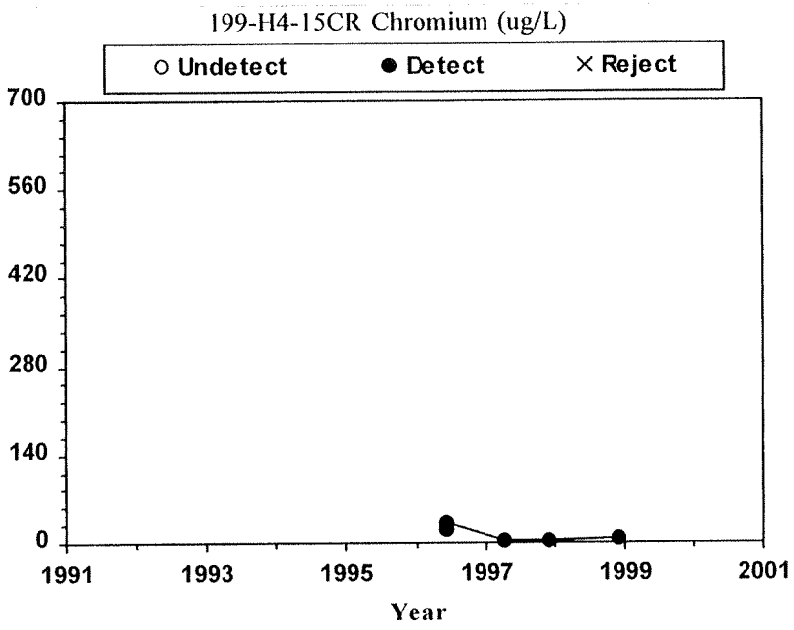

199-H4-15A Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year

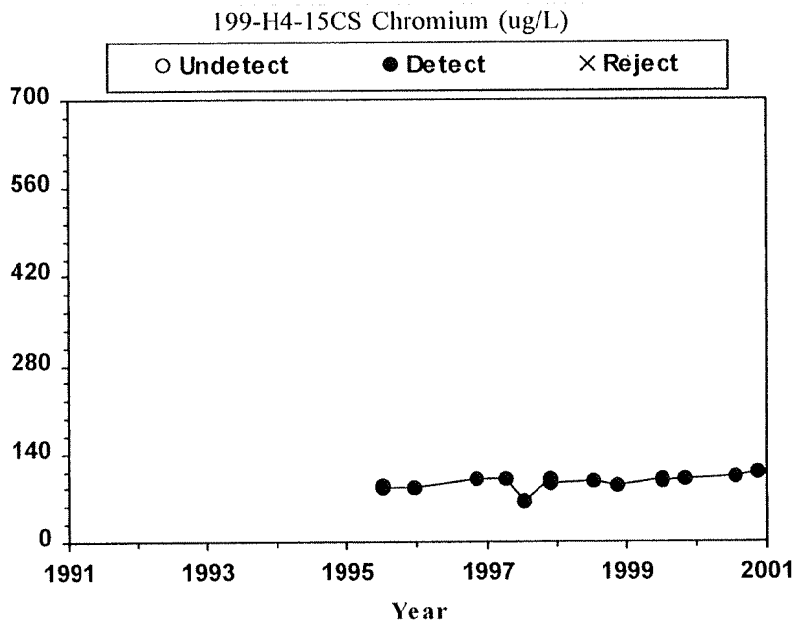

199-H4-15B Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year

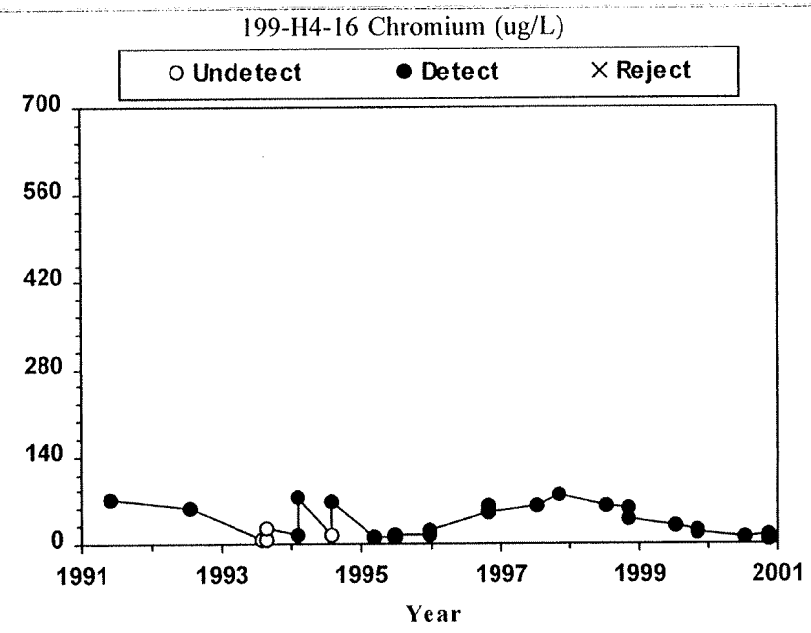

199-H4-15CP Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year

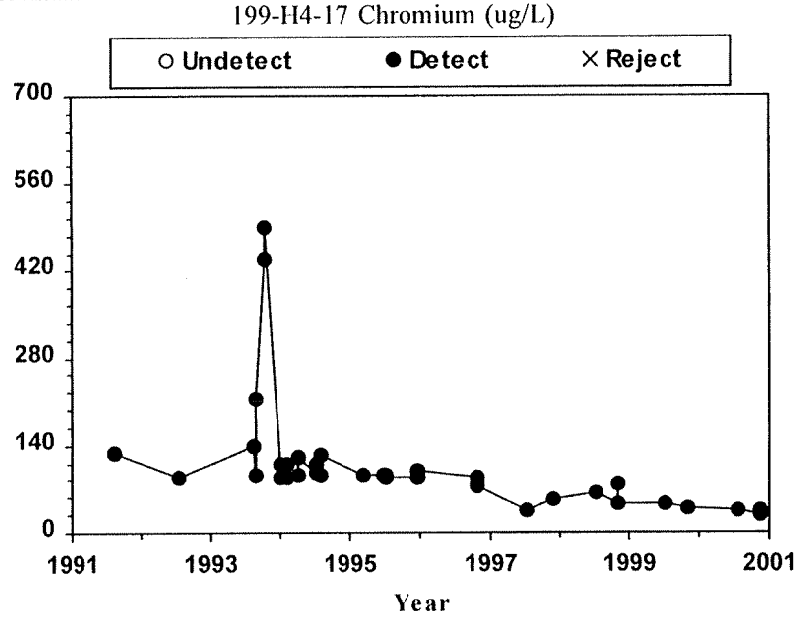
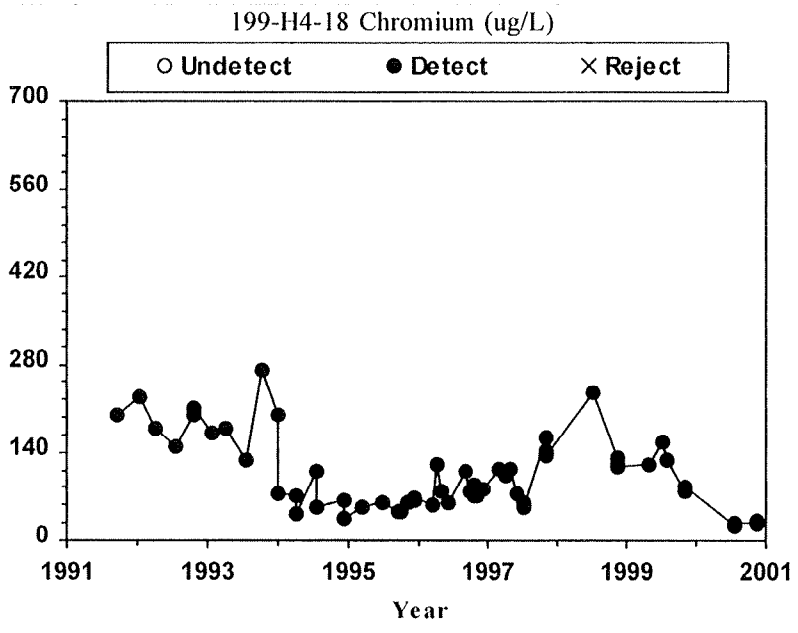
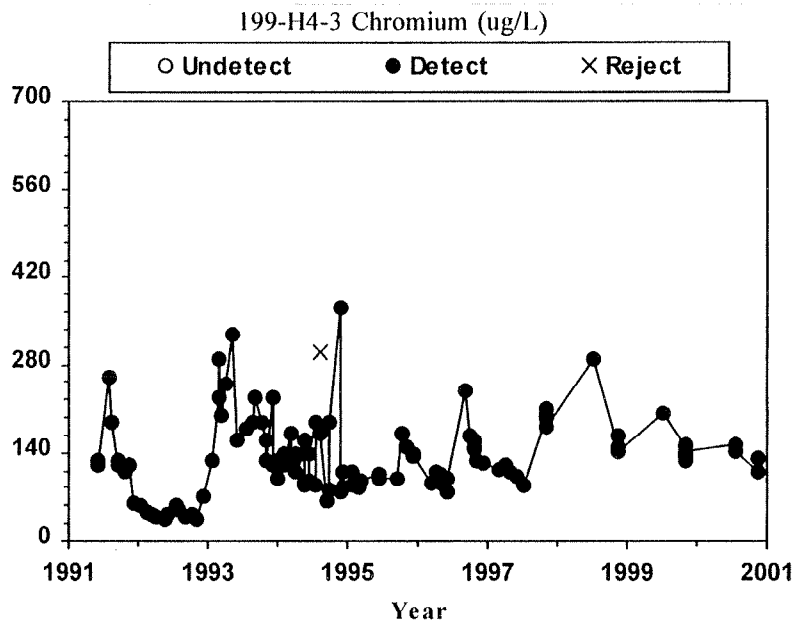
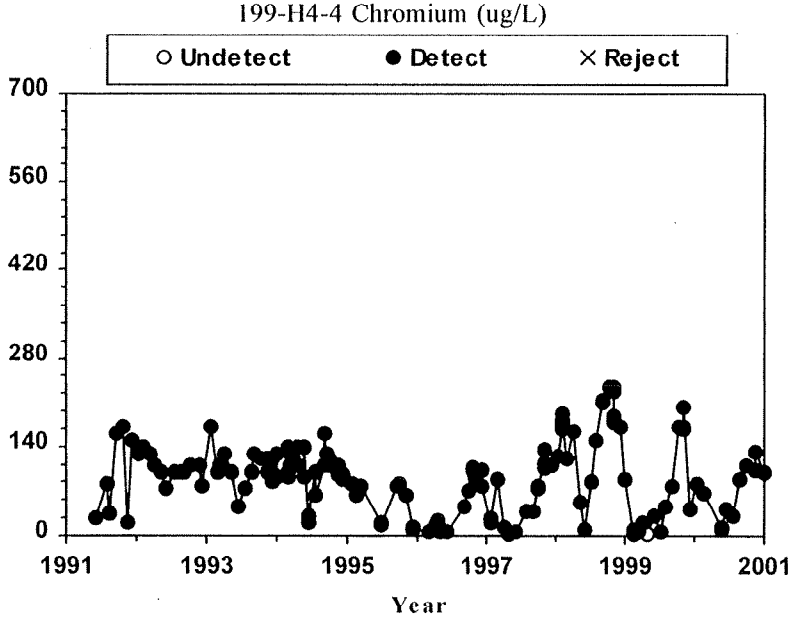
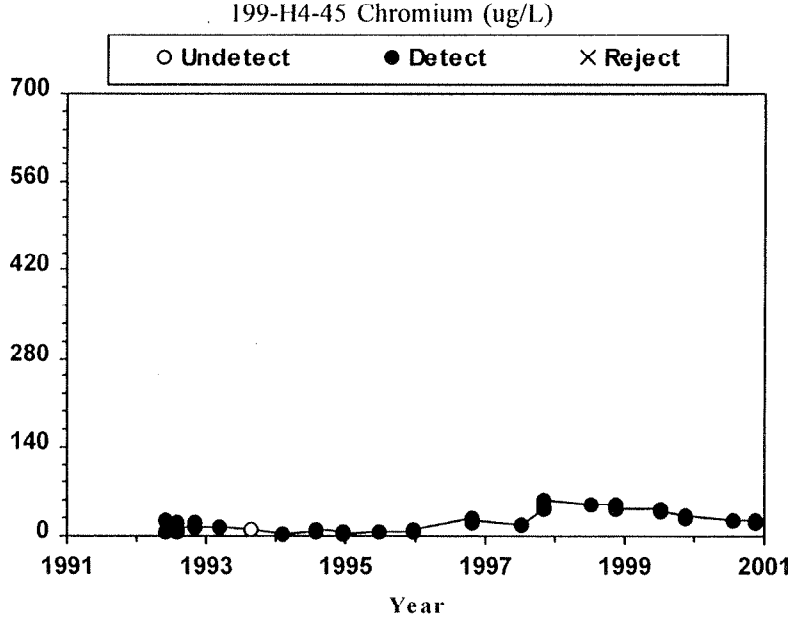

199-H4-15CQ Chromium (ug/L)
Undetect
Detect
Reject
700
560
420
280
140
0
1991
1993
1995
1997
1999
2001
Year

Appendix F – 100-HR-3 Contaminant Trend Plots for the 100-H Area Wells









Appendix F – 100-HR-3 Contaminant Trend Plots for the 100-H Area Wells