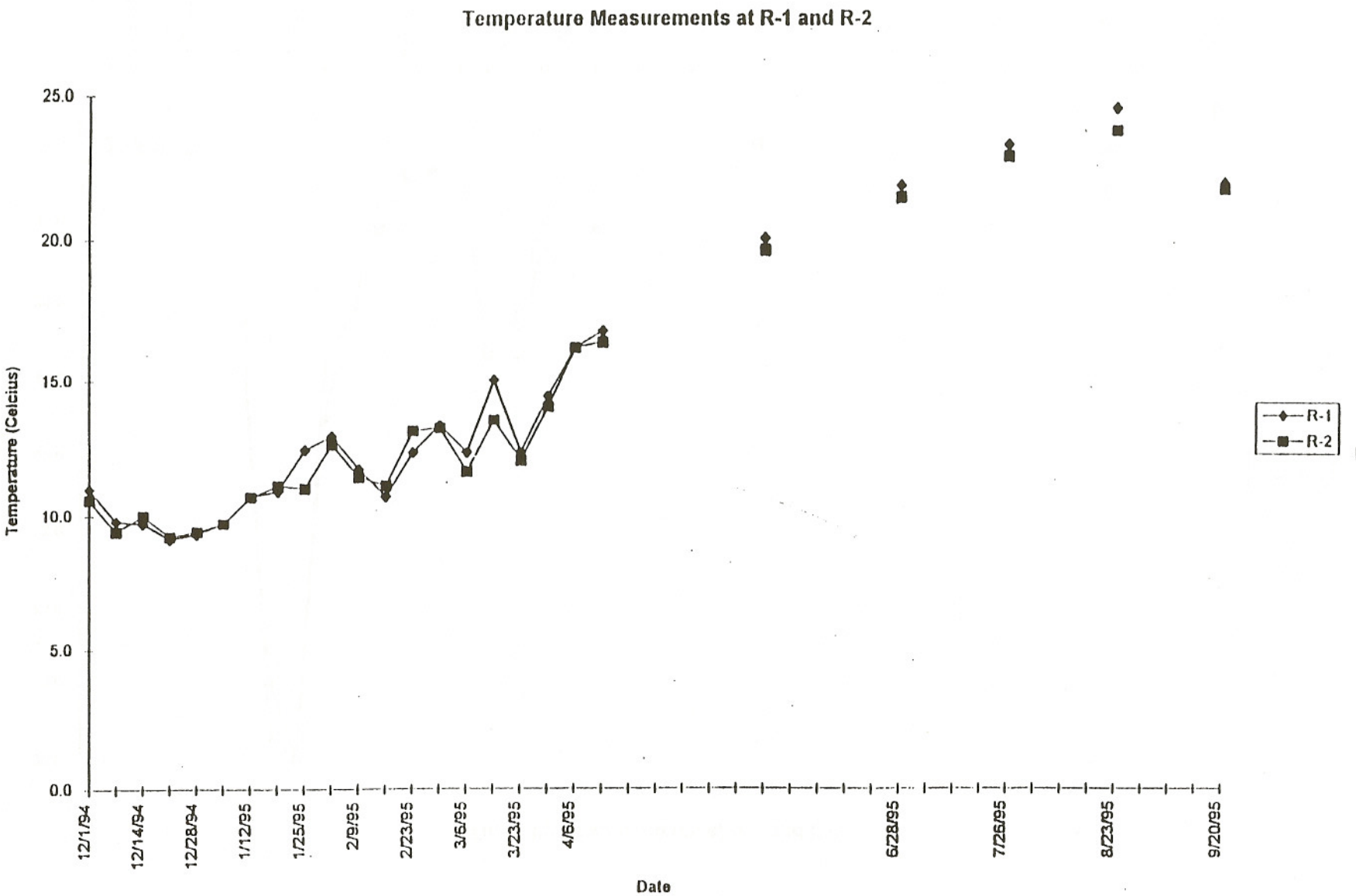
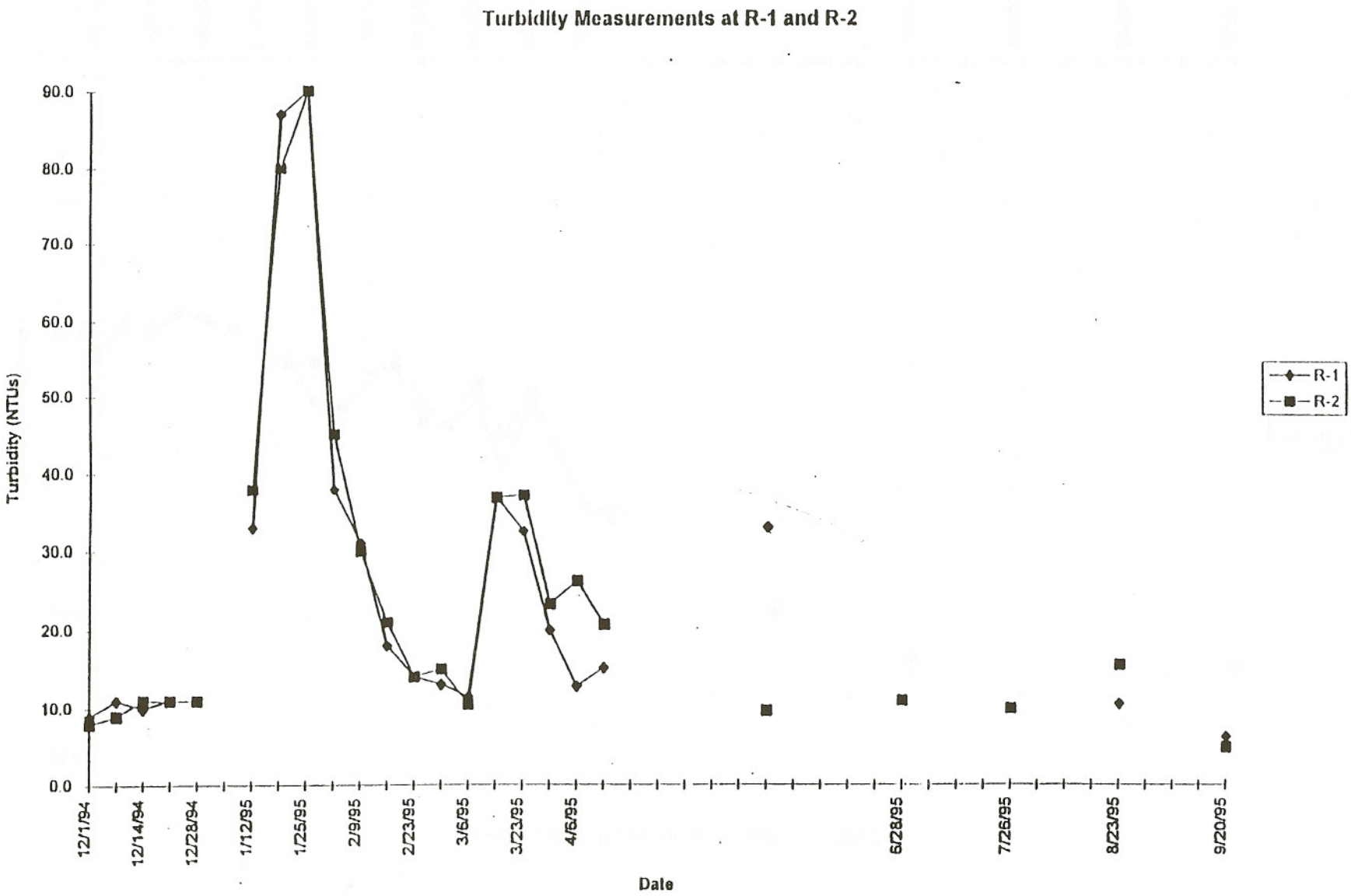
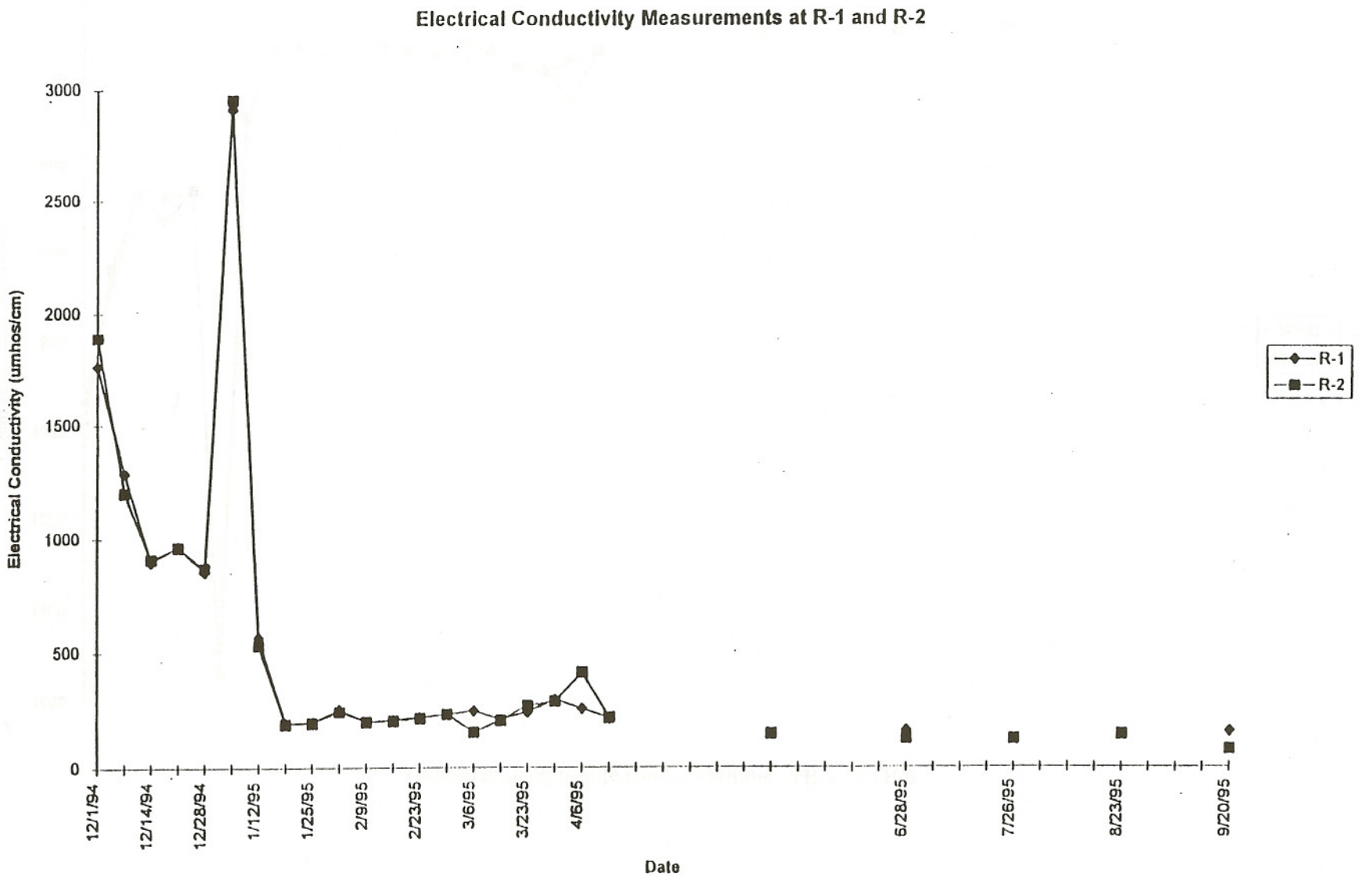
RWTEMPER Chart 1

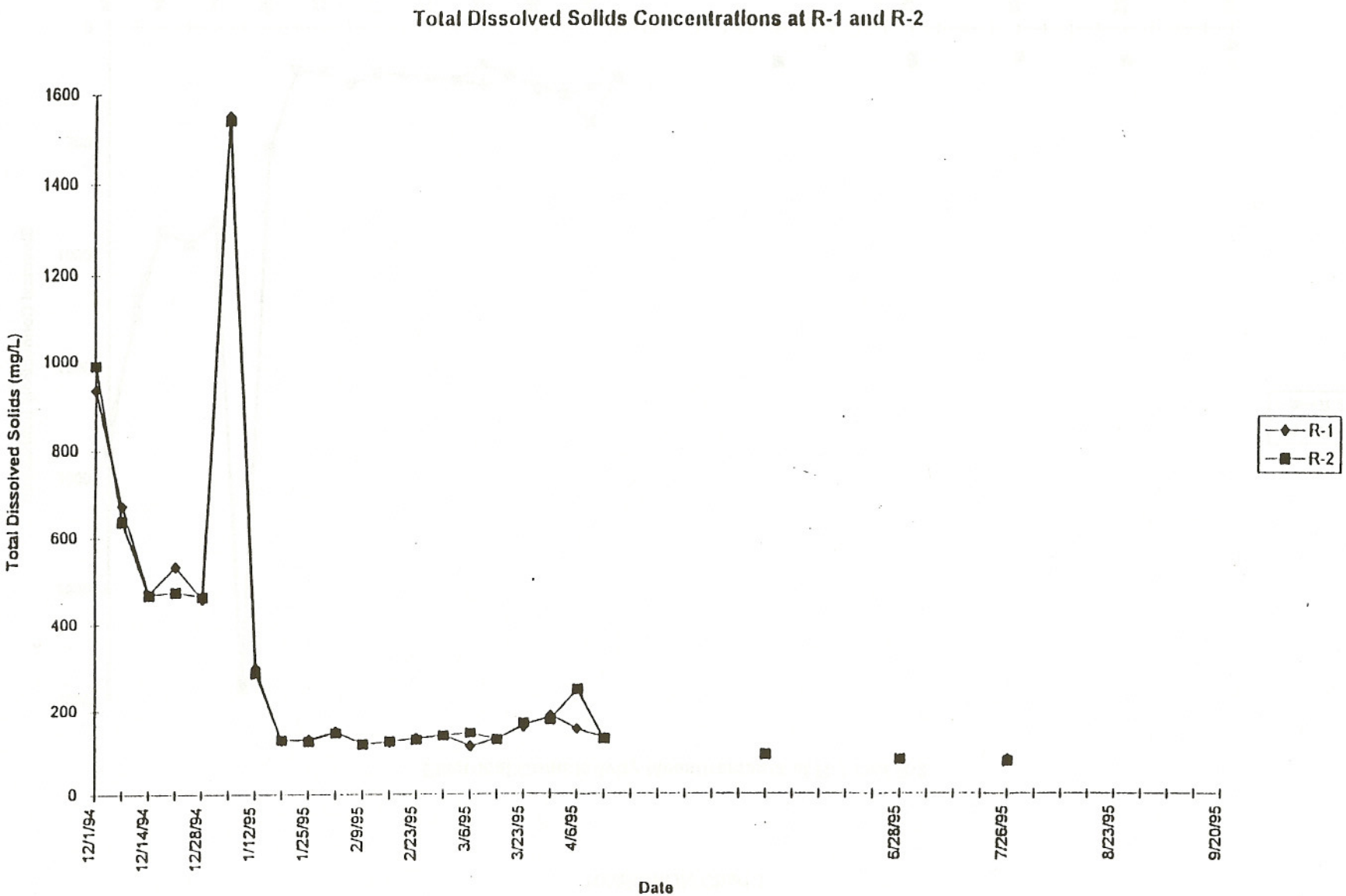


RWTURBID Chart 1

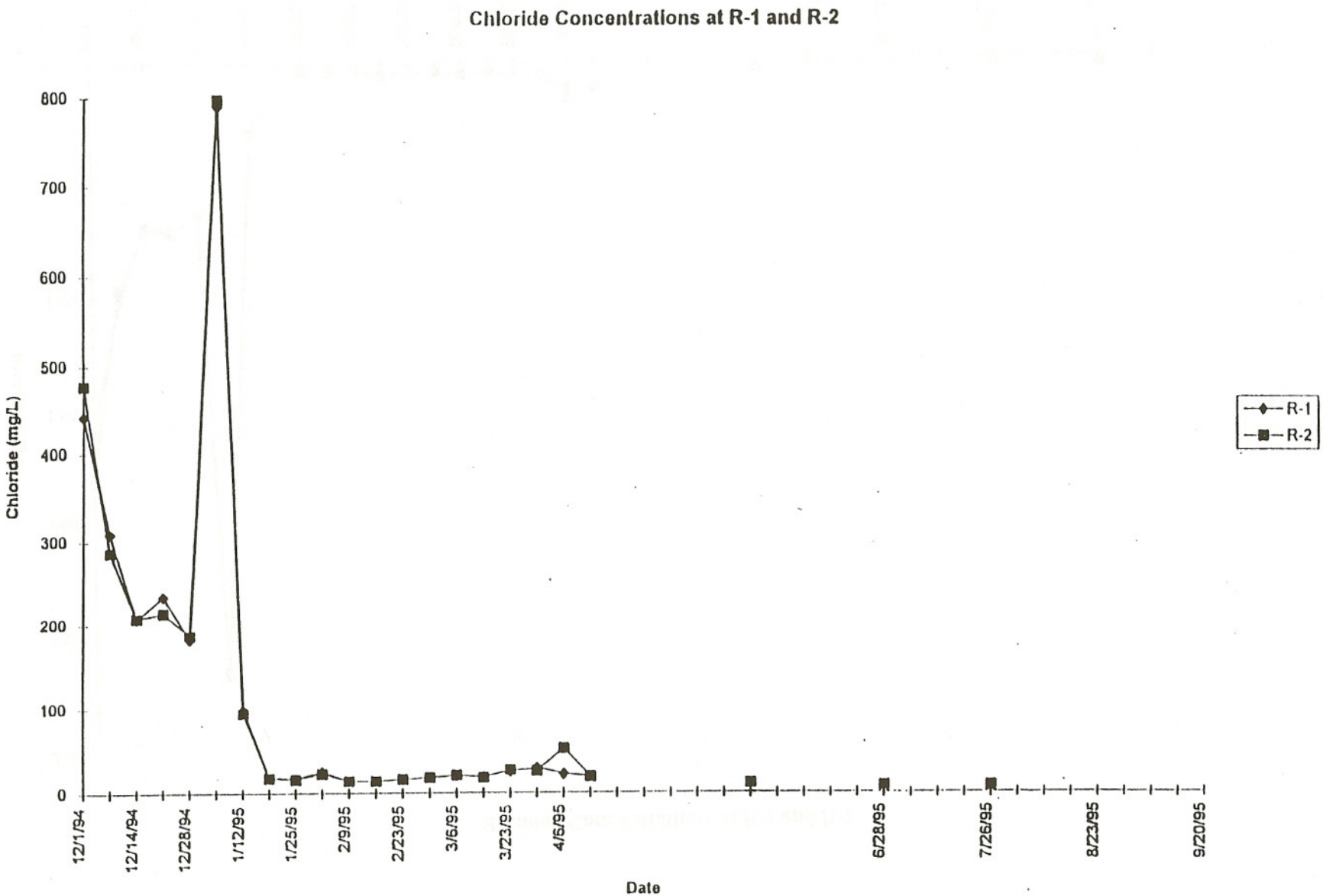


RWECMON Chart 1

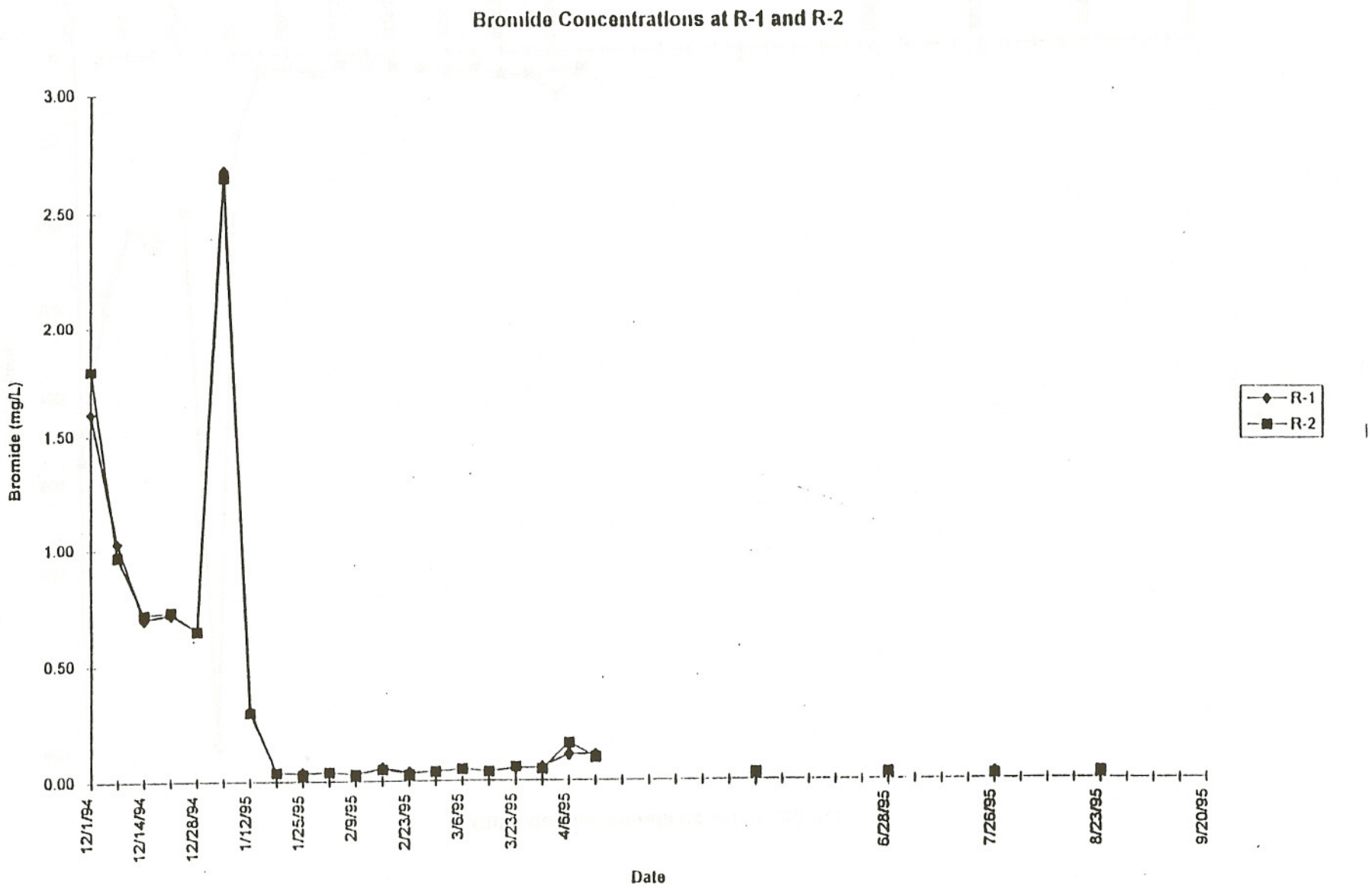



Total Dissolved Solids Concentrations at R-1 and R-2
Total Dissolved Solids (mg/L)
1600
1400
1200
1000
800
600
400
200
0
12/1/94
12/14/94
12/28/94
1/12/95
1/25/95
2/9/95
2/23/95
3/6/95
3/23/95
4/6/95
6/28/95
7/26/95
8/23/95
9/20/95
Date
R-1
R-2

RWCLMON Chart 1



RWBRMON Chart 1



COMPLIANCE POINTS (Ag Drain at MP-1 and CP-1)
:ground Data (in mg/L except as noted)
ɔling Date: 11/3/94

Constituent	MP-1	CP-1
Turbidity (NTUs)	7.3	26.5
Dissolved Oxygen	12.8	14.5
Temperature (degrees Celcius)	10.9	10.6
pH (pH units)	7.4	7.9
Electrical Conductivity (umhos/cm)	1508	2330
Total Dissolved Solids	776	1250
Chlorides	311	589
Bromides	1.07	2.16

(Historical Electrical Conductivity data at CP-1: 1400 - 2600 umhos/cm from April 1994 to August 1994 (5 sampling events)).

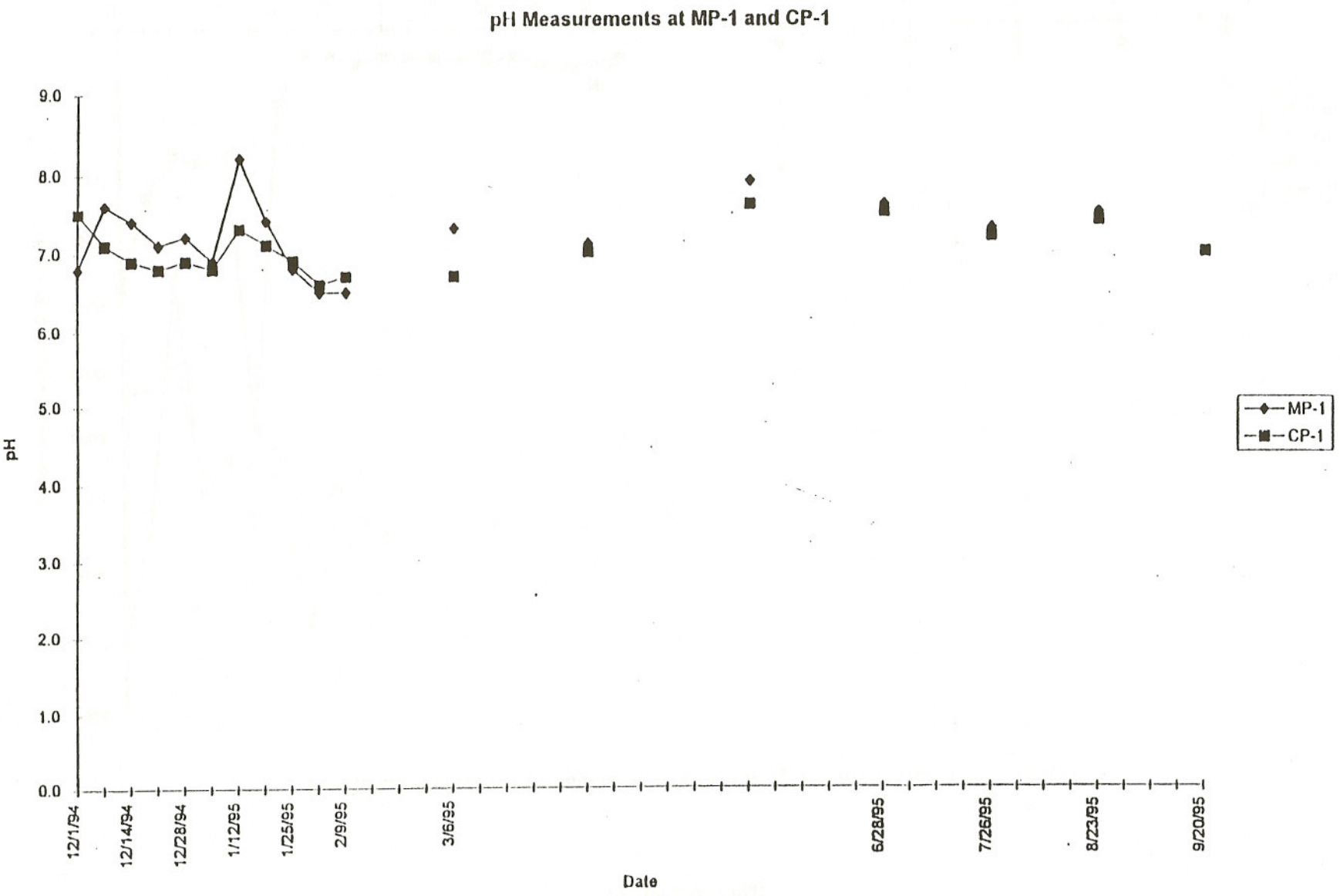
Dissolved Metals: All concentrations below detection limits except for arsenic, which was 0.005 mg/L at MP-1 and 0.002 mg/L at CP-1; and for zinc, which was 0.005 mg/L at MP-1.

COMPLIANCE POINTS (Ag Drain at MP-1 and CP-1)
Monitoring (in mg/L except as noted)

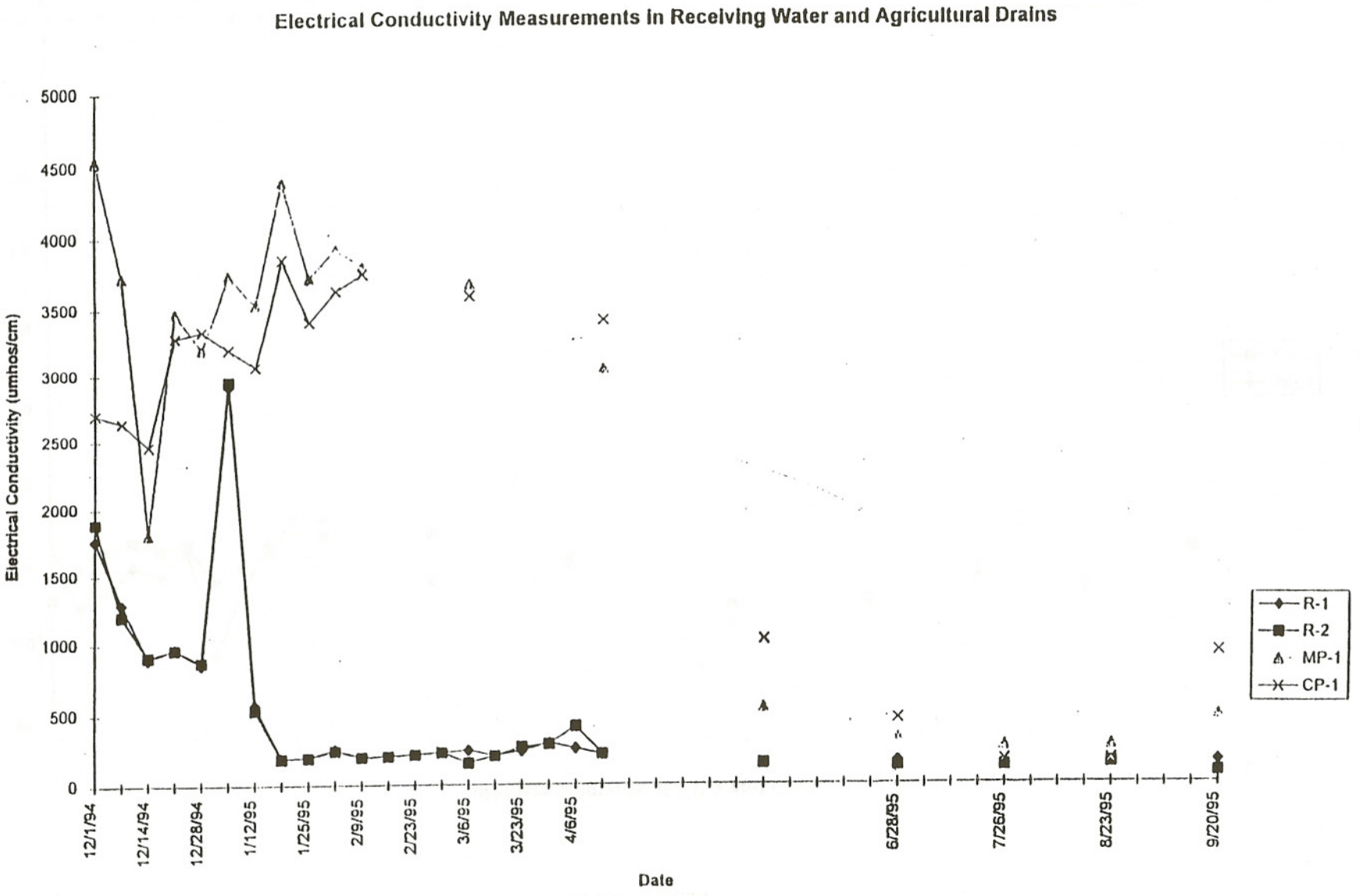
Minerals and General Water Parameters	Monitoring Period	MP-1	CP-1
Turbidity (NTUs)	12/1/94 - 9/20/95	8.9 - 46.1	11.1 - 55.0
Dissolved Oxygen	12/1/94 - 9/20/95	3.0 - 11.3	4.1 - 10.5
Temperature (degrees Celcius)	12/1/94 - 9/20/95	8.0 - 24.0	8.8 - 23.0
pH (pH units)	12/1/94 - 9/20/95	6.5 - 8.2	6.6 - 7.6
Electrical Conductivity (umhos/cm)	12/1/94 - 9/20/95	268 - 4,550	163 - 3,850
Total Dissolved Solids	12/1/94 - 8/23/95	58 - 2,680	84 - 2,440
Chlorides	12/1/94 - 8/23/95	36 - 1,160	43 - 839
Bromides	12/1/94 - 9/20/95	0.11 - 4.22	0.14 - 2.26

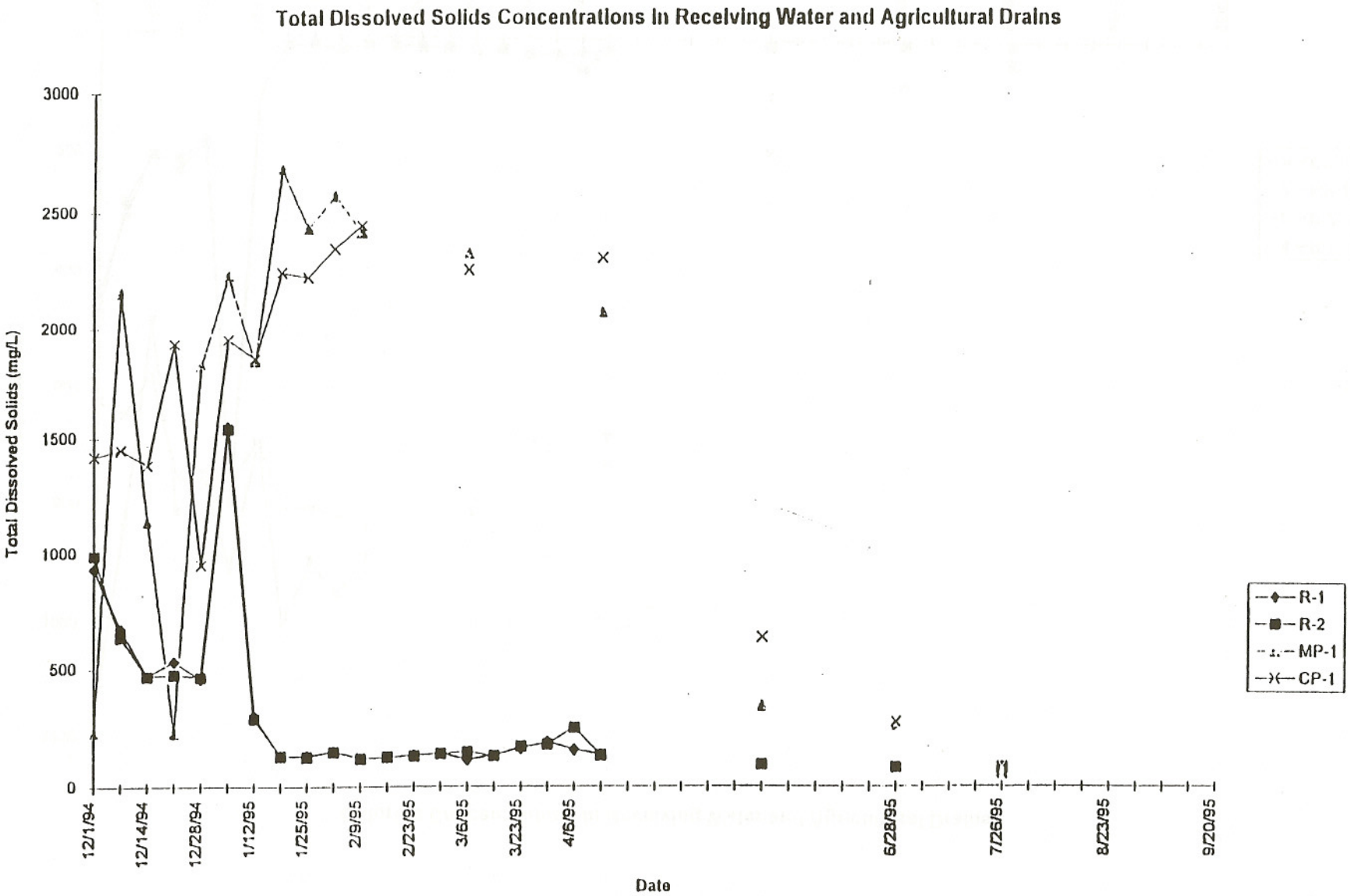
Dissolved Trace Metals	Monitoring Period	MP-1	CP-1
Arsenic	12/1/94 - 8/23/95	<0.001 - 0.006	0.002 - 0.006
Cadmium	12/1/94 - 8/23/95	<0.005	<0.005
Chromium	12/1/94 - 8/23/95	<0.005	<0.005
Copper	12/1/94 - 8/23/95	<0.005 - 0.011	<0.005 - 0.007
Lead	12/1/94 - 8/23/95	<0.002	<0.002
Mercury	12/1/94 - 8/23/95	<0.001	<0.001
Nickel	12/1/94 - 8/23/95	<0.005 - 0.025	<0.005 - 0.021
Selenium	12/1/94 - 8/23/95	<0.001	<0.001
Silver	12/1/94 - 8/23/95	<0.005	<0.005
Thallium	12/1/94 - 8/23/95	<0.002	<0.002
Zinc	12/1/94 - 8/23/95	<0.005 - 0.047	<0.005 - 0.025

CPADPH Chart 1

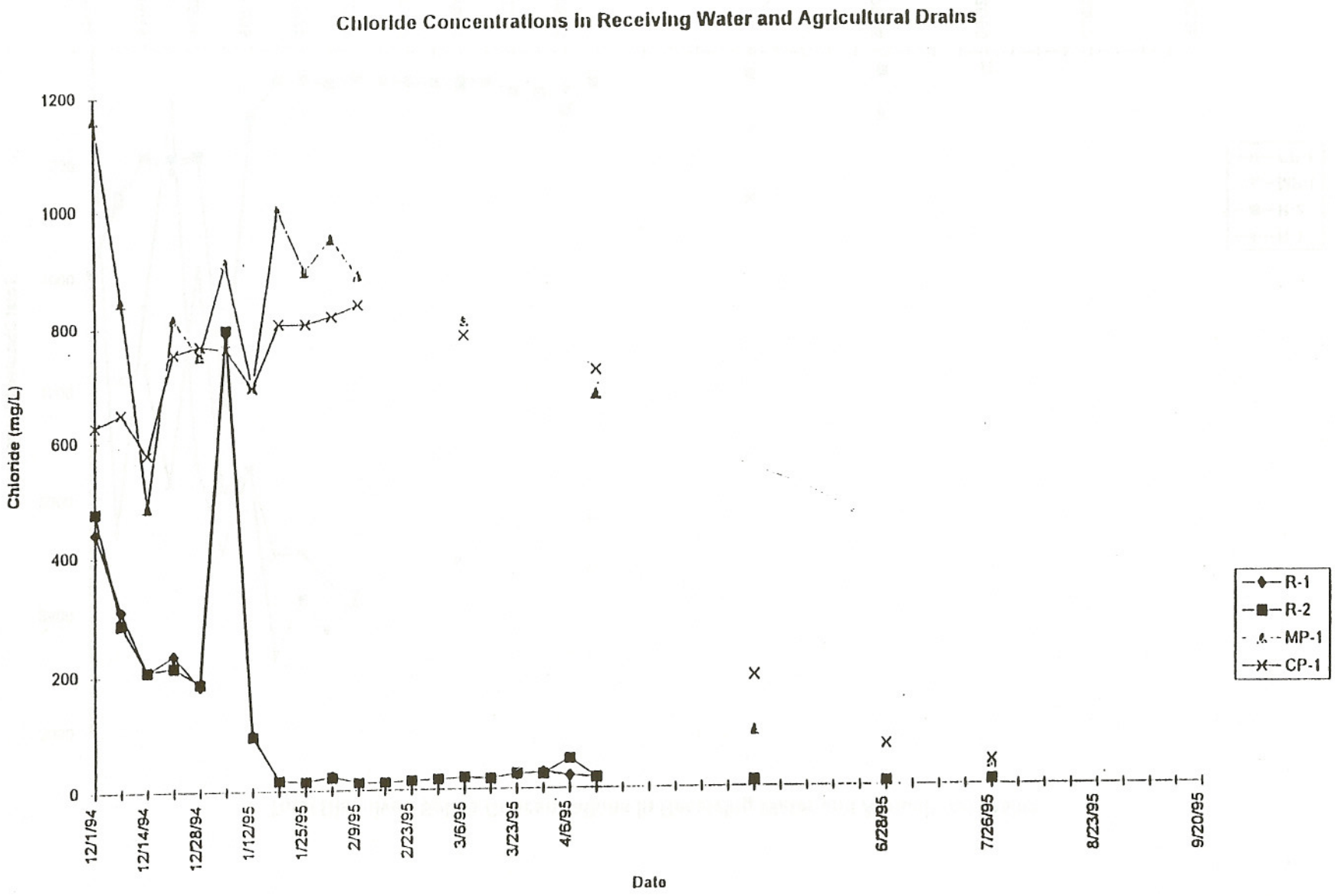


ECRW&AD Chart 1

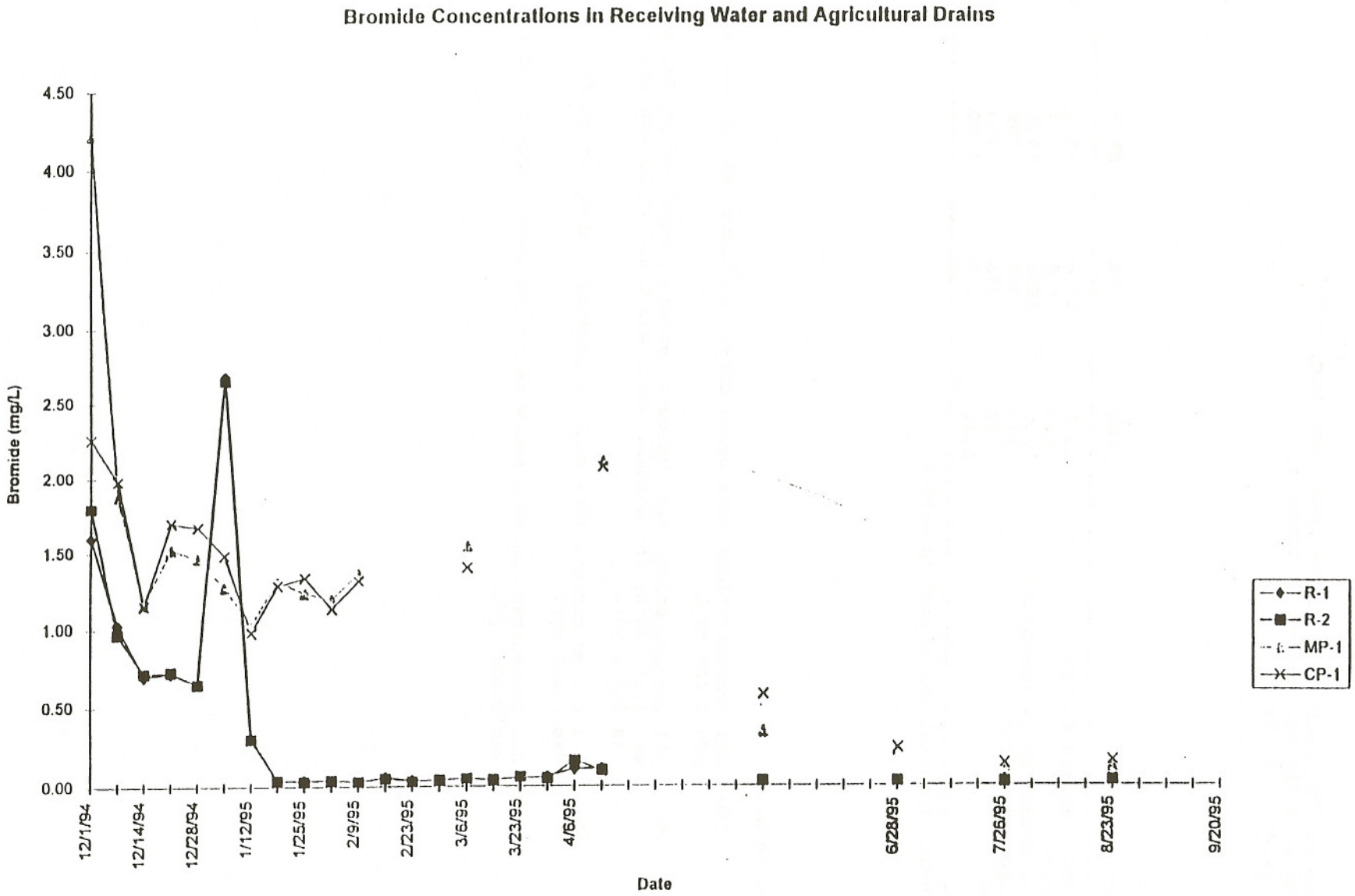



Total Dissolved Solids Concentrations In Receiving Water and Agricultural Drains
Total Dissolved Solids (mg/L)
3000
2500
2000
1500
1000
500
0
12/1/94
12/14/94
12/28/94
1/12/95
1/25/95
2/9/95
2/23/95
3/6/95
3/23/95
4/6/95
6/28/95
7/26/95
8/23/95
9/20/95
Date
R-1
R-2
MP-1
CP-1

CLRW&AD Chart 1



BRRW&AD Chart 1



COMPLIANCE POINTS (Monitoring Wells: MWA, MWB, MWC, MWD)
'ground Data (in mg/L except as noted)
ling Date: 12/20/94

Constituent	MWA	MWB	MWC*	MWD
Temperature (degrees Celcius)	16.1	16.6	16.1	15.4
pH (pH units)	6.7	6.5	5.9	6.5
Electrical Conductivity (umhos/cm)	1500	2590	1000	690
Total Dissolved Solids	829	1390	508	376
Chlorides	396	276	259	157
Bromides	1.30	2.28	1.00	0.51

* No dredged material was placed in Area C

Dissolved Metals:

MWA: All concentrations were below detection limits except for arsenic, which was 0.002 mg/L.

MWB: All concentrations were below detection limits except for arsenic, which was 0.010 mg/L; for nickel, which was 0.023 mg/L; and for zinc, which was 0.018 mg/L.

MWC: All concentrations were below detection limits except for arsenic, which was 0.001 mg/L.

MWD: All concentrations were below detection limits except for arsenic, which was 0.001 mg/L.

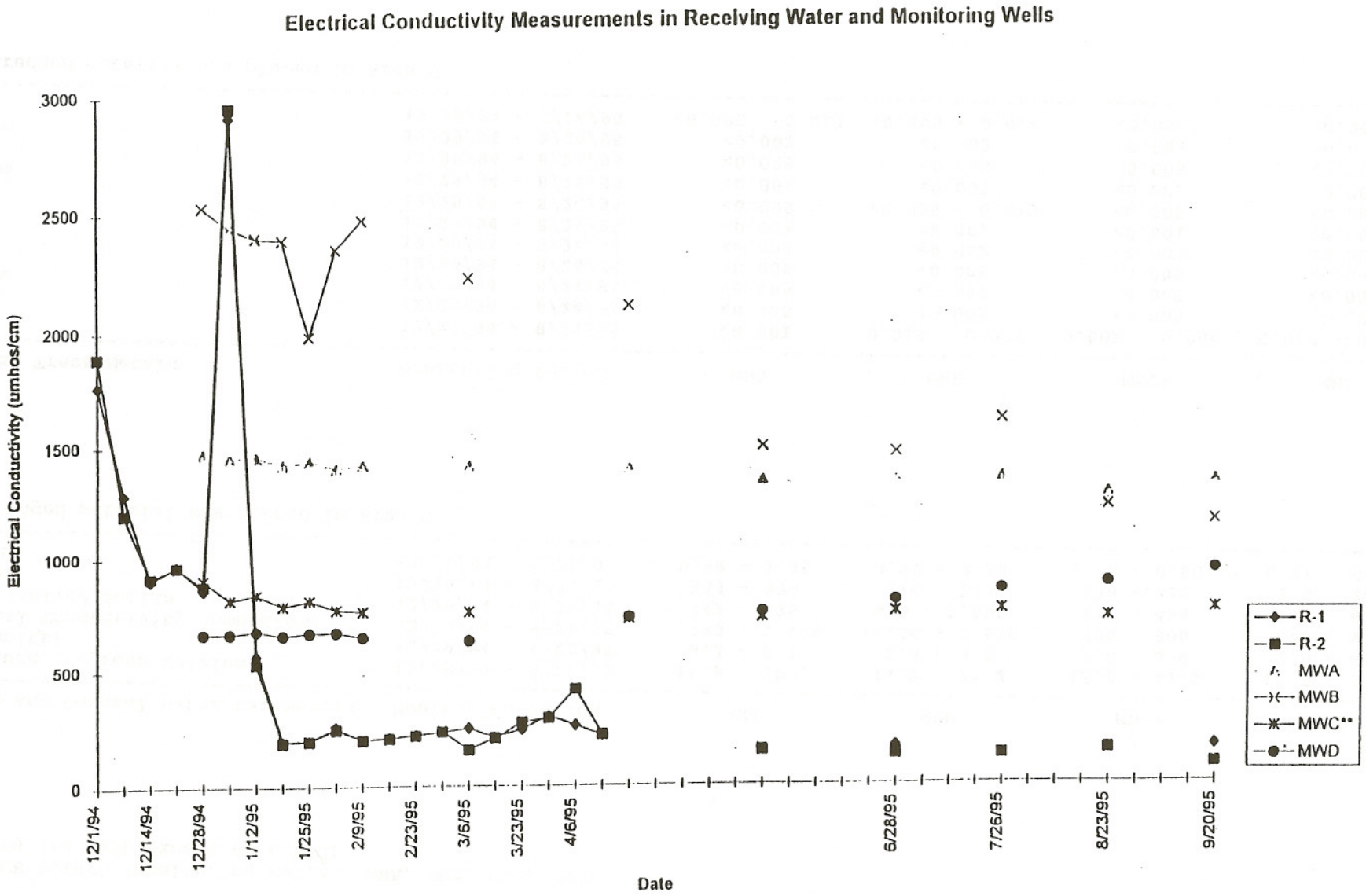
COMPLIANCE POINTS (Monitoring Wells: MWA, MWB, MWC, MWD)
Monitoring (in mg/L except as noted)

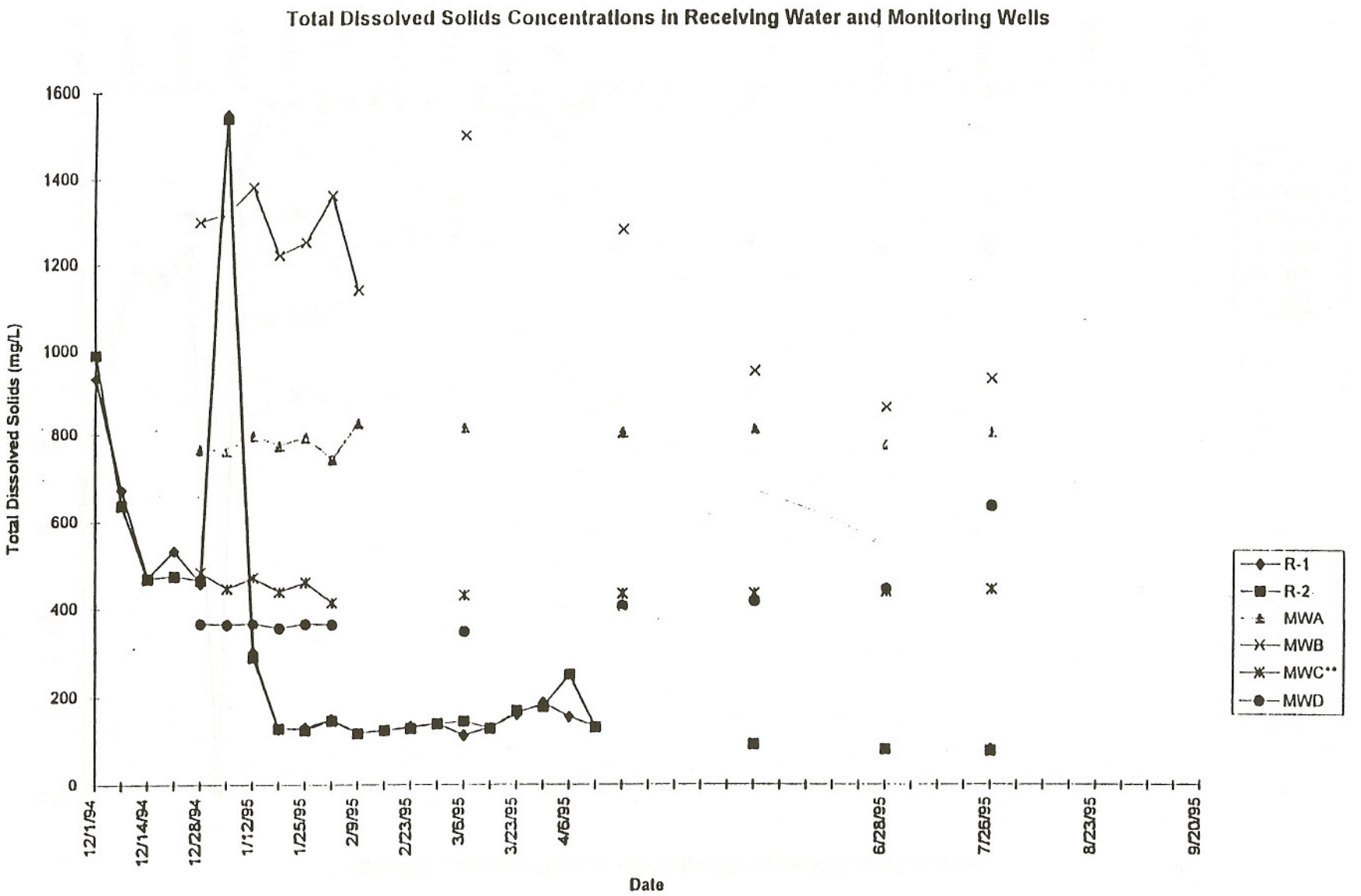
Minerals and General Water Parameters	Monitoring Period	MWA	MWB	MWC*	MWD
Temperature (degrees Celcius)	12/29/94 - 9/21/95	15.8 - 18.1	14.2 - 21.2	15.5 - 17.5	15.5 - 17.2
pH (pH units)	12/29/94 - 9/21/95	6.2 - 6.7	5.8 - 7.1	5.8 - 6.6	6.0 - 6.8
Electrical Conductivity (umhos/cm)	12/29/94 - 9/21/95	1,280 - 1,470	1,156 - 2,530	720 - 900	628 - 934
Total Dissolved Solids	12/29/94 - 8/24/95	742 - 825	679 - 1,500	414 - 484	348 - 636
Chlorides	12/29/94 - 8/24/95	337 - 378	114 - 268	170 - 215	129 - 208
Bromides	12/29/94 - 9/21/95	0.98 - 1.35	0.97 - 2.30	0.52 - 0.80	0.21 - 0.78

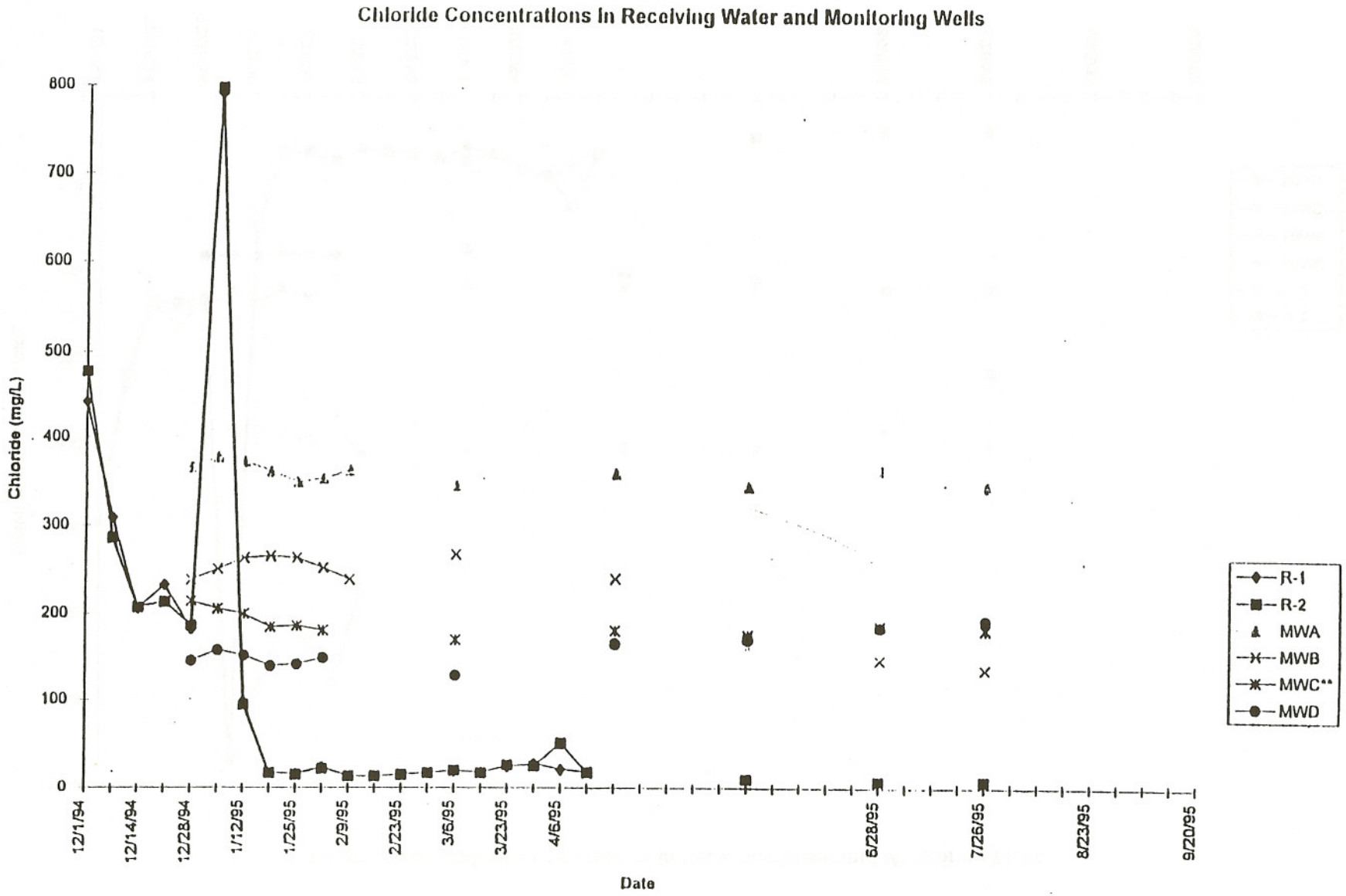
* No dredged material was placed in Area C

Dissolved Trace Metals	Monitoring Period	MWA	MWB	MWC*	MWD
Arsenic	12/29/94 - 8/24/95	<0.001	0.014 - 0.076	0.002 - 0.004	0.002 - 0.003
Cadmium	12/29/94 - 8/24/95	<0.005	<0.005	<0.005	<0.005
Chromium	12/29/94 - 8/24/95	<0.005	<0.005	<0.005	<0.005
Copper	12/29/94 - 8/24/95	<0.005	<0.005	<0.005	<0.005
Lead	12/29/94 - 8/24/95	<0.002	<0.002	<0.002	<0.002
Mercury	12/29/94 - 8/24/95	<0.001	<0.001	<0.001	<0.001
Nickel	12/29/94 - 8/24/95	<0.005	<0.005 - 0.018	<0.005	<0.005
Selenium	12/29/94 - 8/24/95	<0.001	<0.001	<0.001	<0.001
Silver	12/29/94 - 8/24/95	<0.005	<0.005	<0.005	<0.005
Thallium	12/29/94 - 8/24/95	<0.002	<0.002	<0.002	<0.002
Zinc	12/29/94 - 8/24/95	<0.005 - 0.013	<0.005 - 0.014	<0.005	<0.005

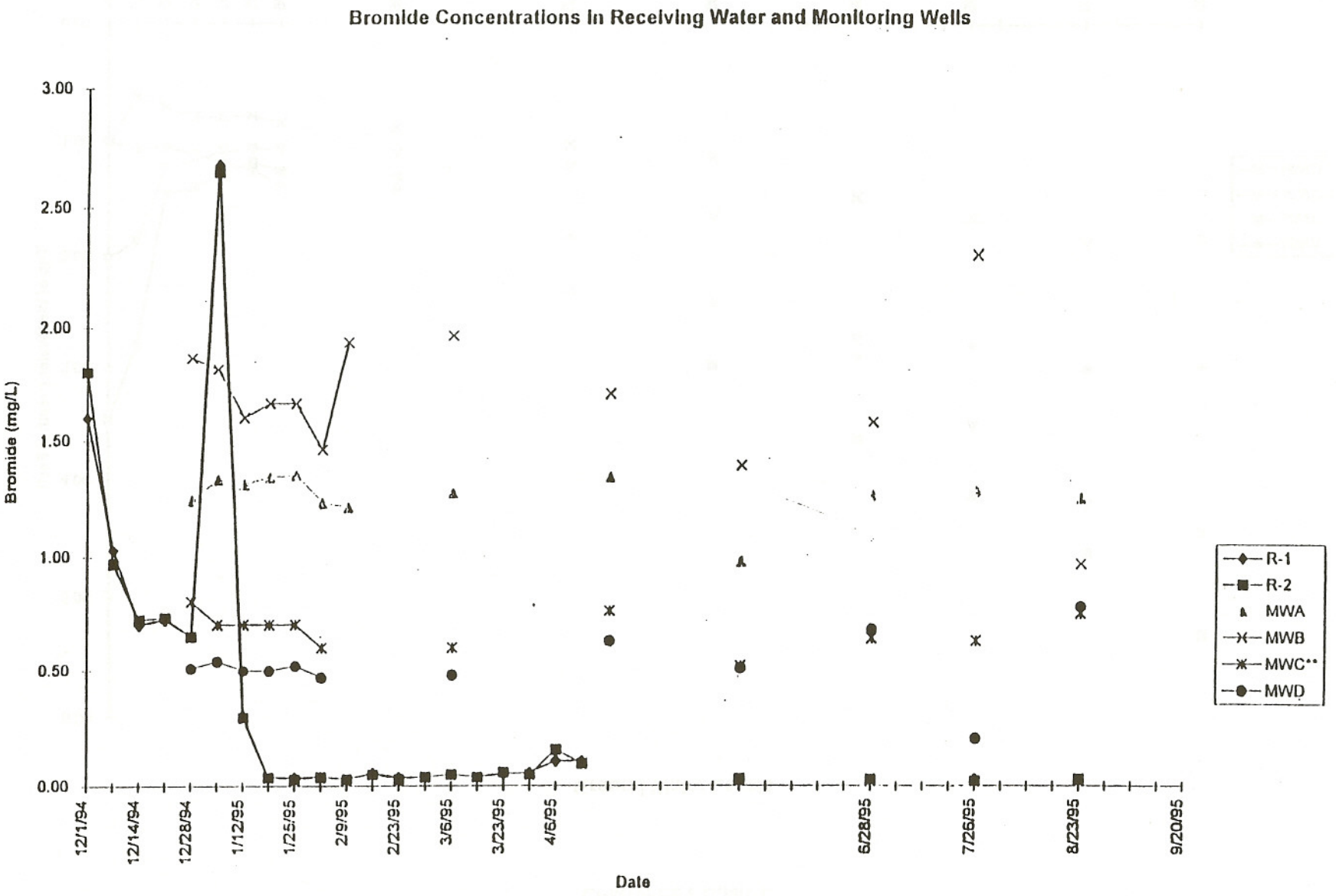
* No dredged material was placed in Area C


Electrical Conductivity Measurements in Receiving Water and Monitoring Wells
Electrical Conductivity (umhos/cm)
3000
2500
2000
1500
1000
500
0
12/1/94
12/14/94
12/28/94
1/12/95
1/25/95
2/9/95
2/23/95
3/6/95
3/23/95
4/6/95
6/28/95
7/26/95
8/23/95
9/20/95
Date
R-1
R-2
MWA
MWB
MWC**
MWD

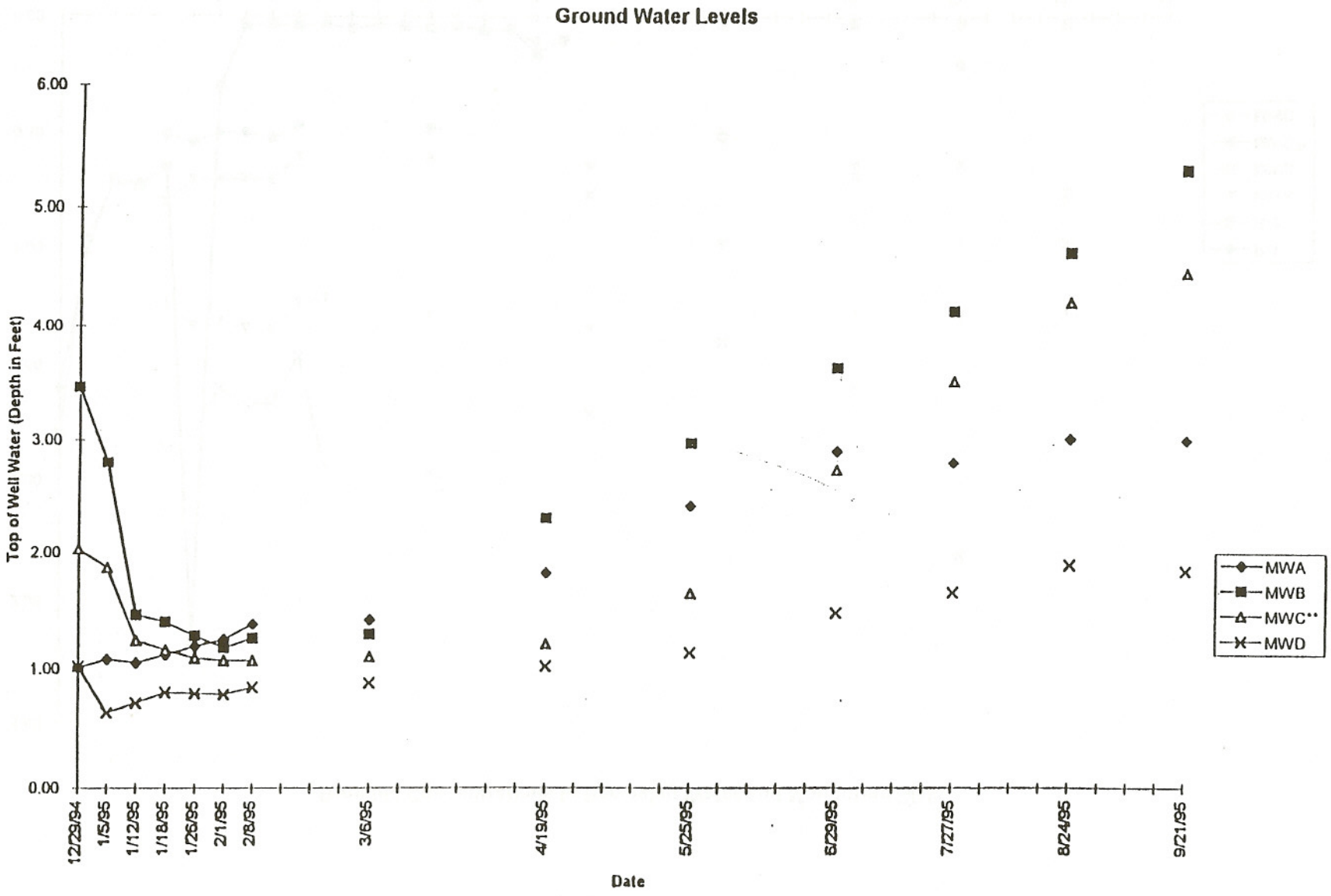

Total Dissolved Solids Concentrations in Receiving Water and Monitoring Wells
Total Dissolved Solids (mg/L)
1600
1400
1200
1000
800
600
400
200
0
12/1/94
12/14/94
12/28/94
1/12/95
1/25/95
2/9/95
2/23/95
3/6/95
3/23/95
4/6/95
6/28/95
7/26/95
8/23/95
9/20/95
Date
R-1
R-2
MWA
MWB
MWC**
MWD


Chloride Concentrations in Receiving Water and Monitoring Wells
Chloride (mg/L)
800
700
600
500
400
300
200
100
0
12/1/94
12/14/94
12/28/94
1/12/95
1/25/95
2/9/95
2/23/95
3/6/95
3/23/95
4/6/95
6/28/95
7/26/95
8/23/95
9/20/95
Date
R-1
R-2
MWA
MWB
MWC**
MWD

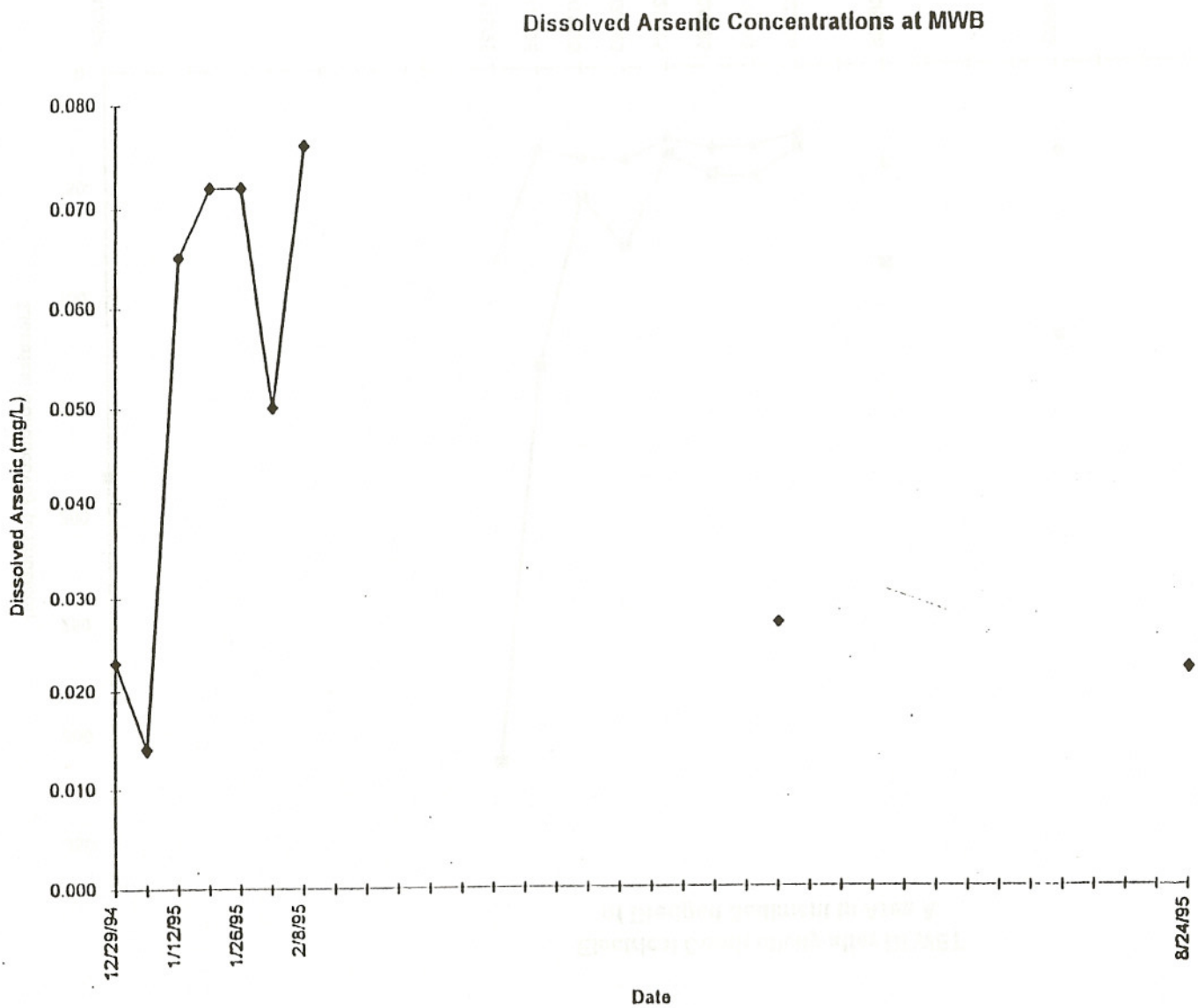
BRRW&MW Chart 1



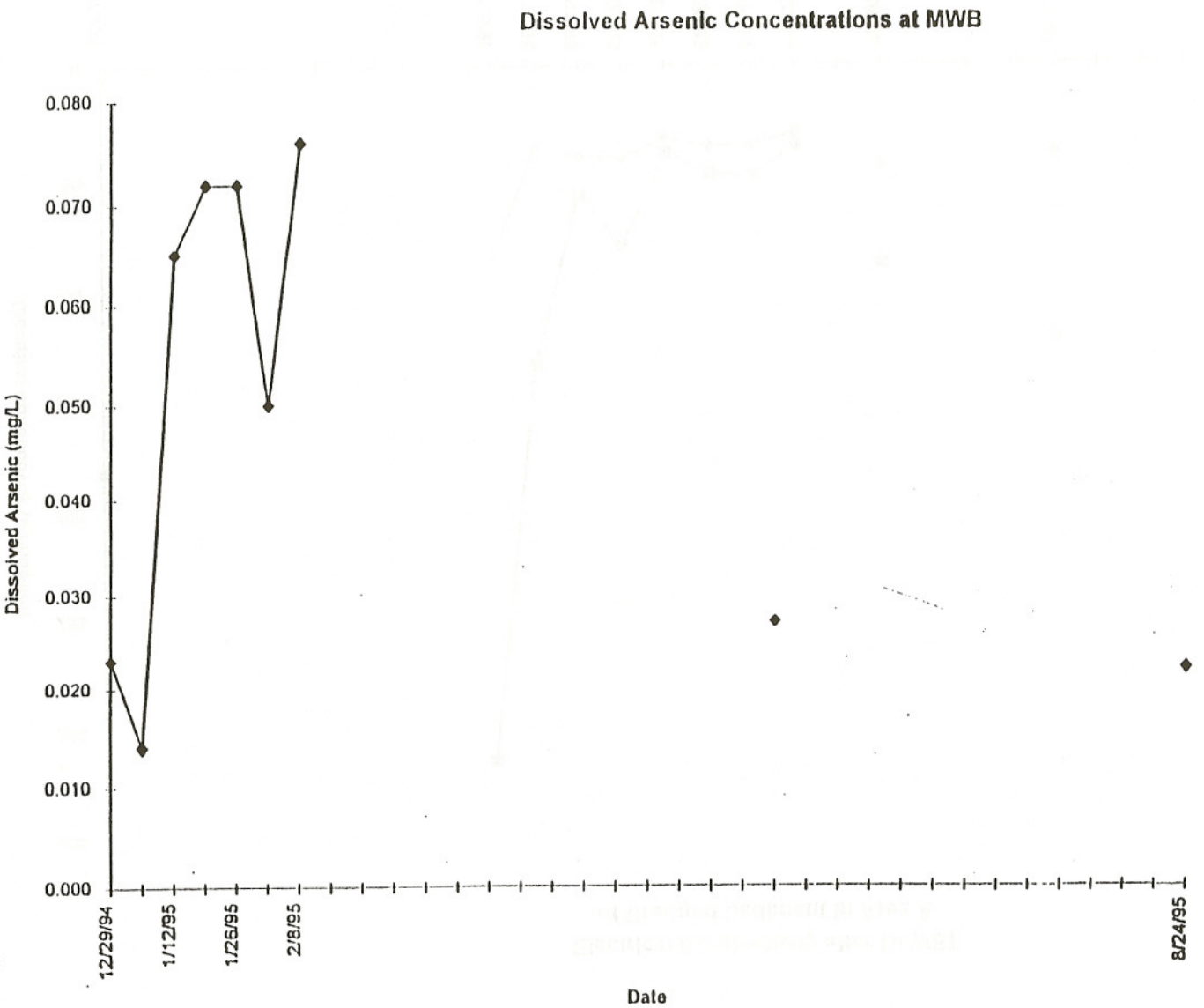
CPMWFEET Chart 1



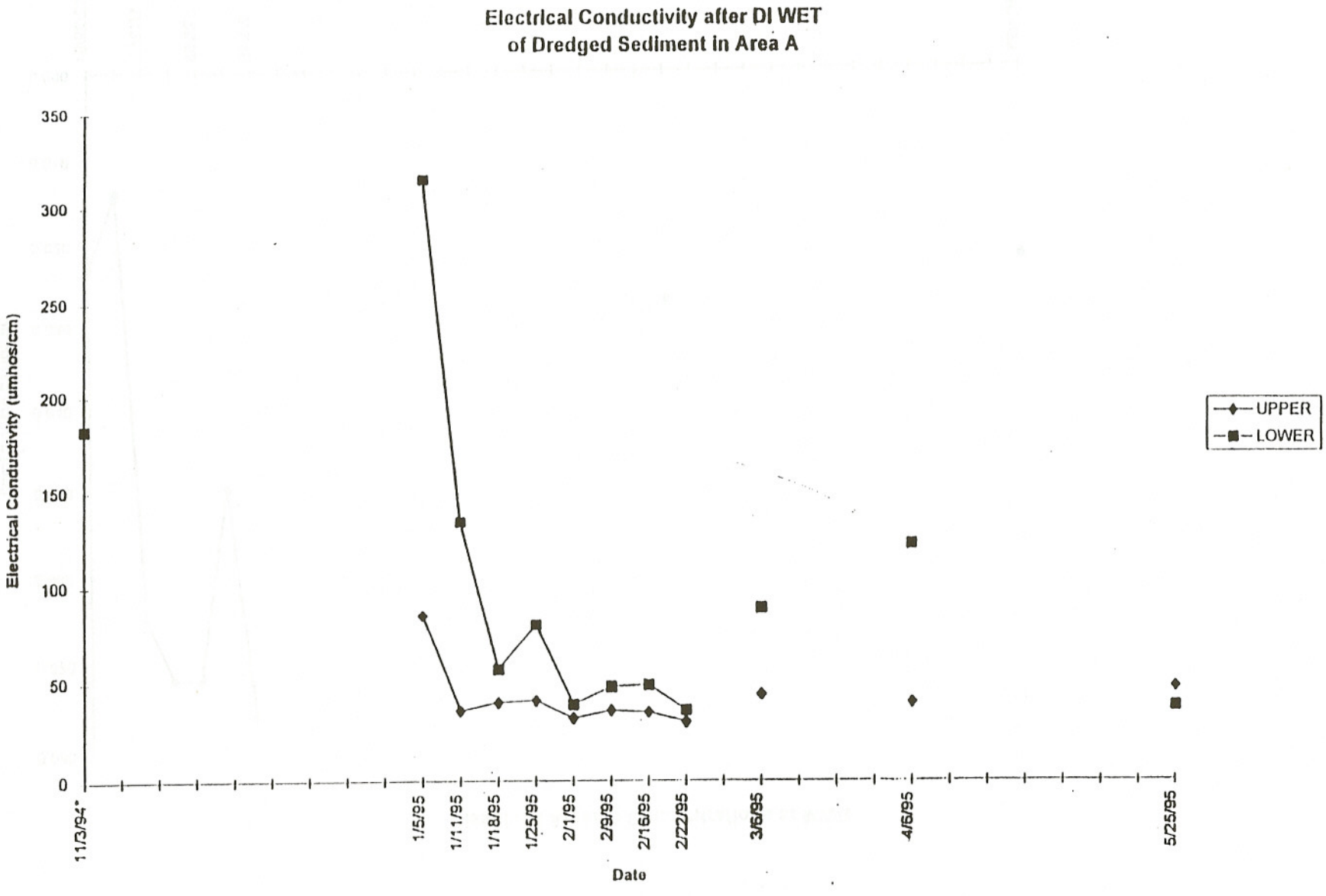
CPMWA..SE Chart 1



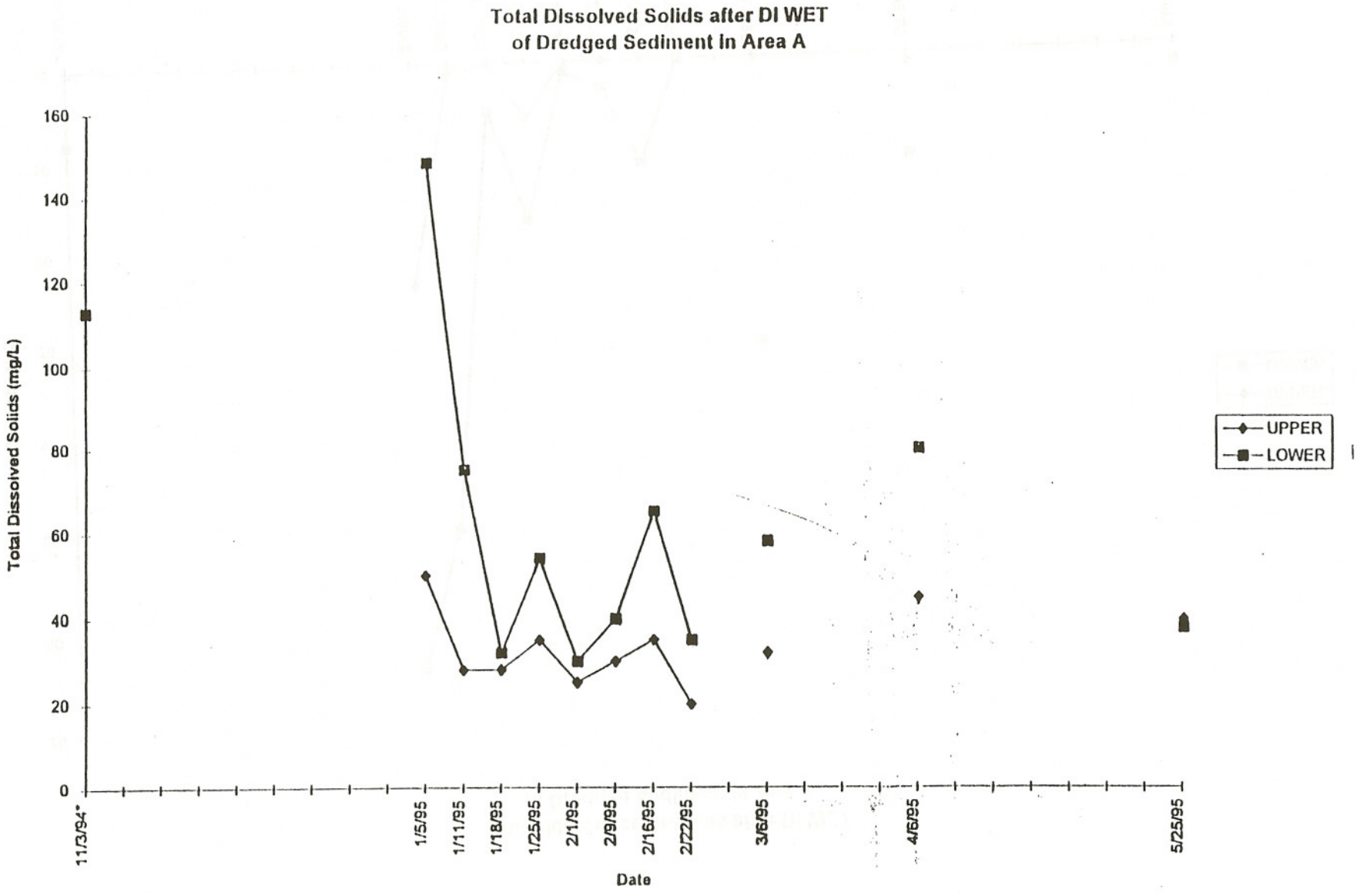
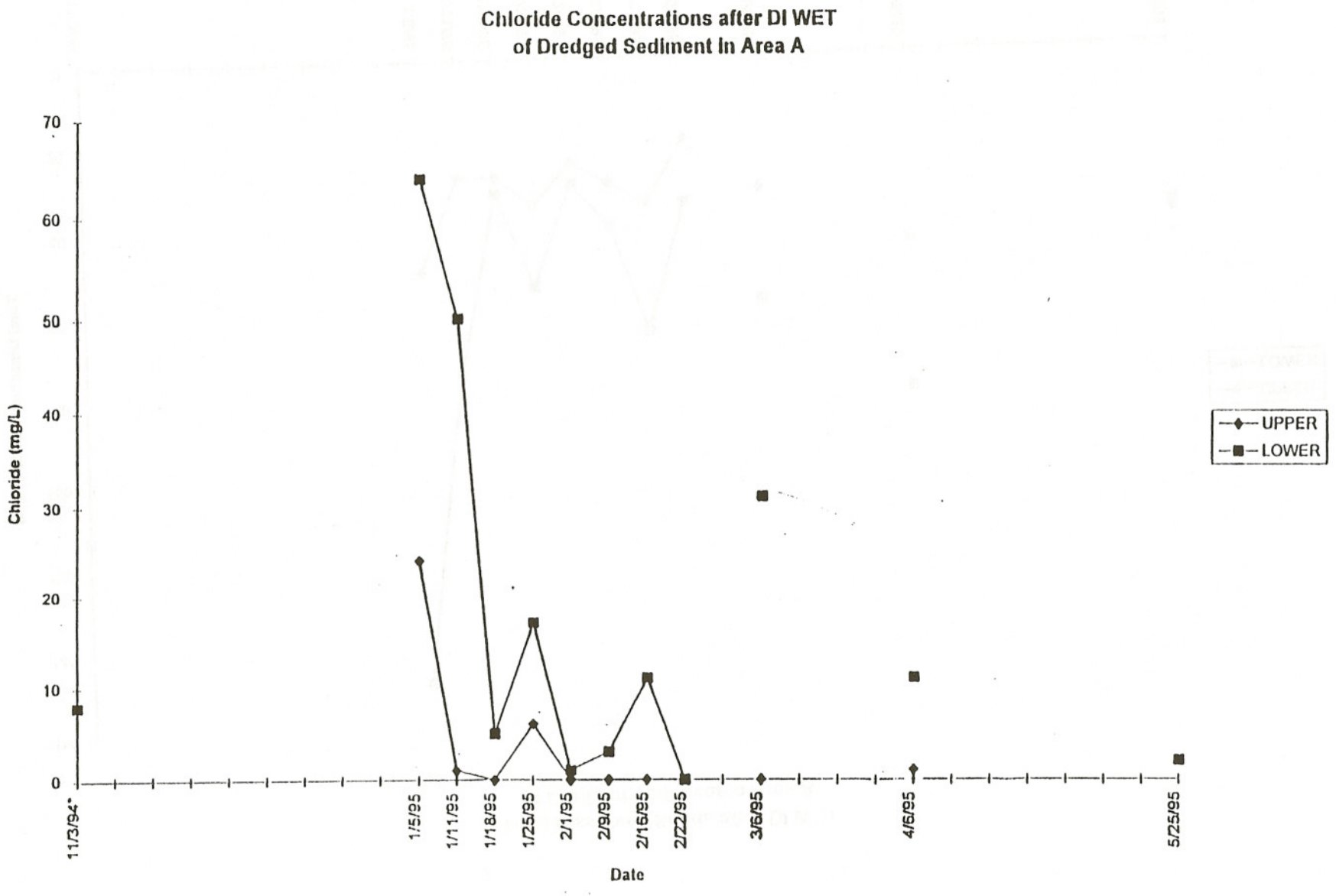
CPMWA..CE Chart 1



AREA-A Chart 1



AREA-A Chart 1



AREA-A Chart 1