

04004492690E

40-4492

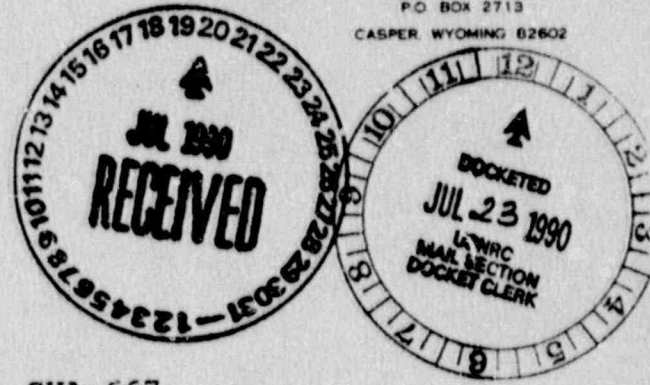
AMERICAN NUCLEAR CORPORATION

JOHN C. FERGUSON, PRESIDENT
TELEPHONE (307) 265-7912

July 12, 1990

RETURN ORIGINAL TO PDR, HQ.
314 WEST MIDWEST AVE.
P.O. BOX 2713
CASPER, WYOMING 82602

Ramon Hall
U.S. Nuclear Regulatory Commission
Uranium Recovery Field Office
Region IV
P.O. Box 25325
Denver, CO 80228



Re: SUA-667
Docket No. 40-4492

Dear Mr. Hall:

Please reference American Nuclear's letter to NRC of February 8, 1990 and NRC's letter to American Nuclear dated July 11, 1990 concerning settlement of tailings material in Tailings Pond No. 2.

Enclosed are the consolidation curves for monuments 1 - 13 as required by License Condition No. 14(c), together with survey data current to July, 1990 and a settlement monument location map.

Please advise as to your concurrence that consolidation has occurred south of coordinate 779,600 north. It is our desire to start reclamation work during July; therefore your prompt consideration would be appreciated.

Sincerely,

[Signature]
John C. Ferguson
President

JCF/WCS/mk

00010

DESIGNATED ORIGINAL

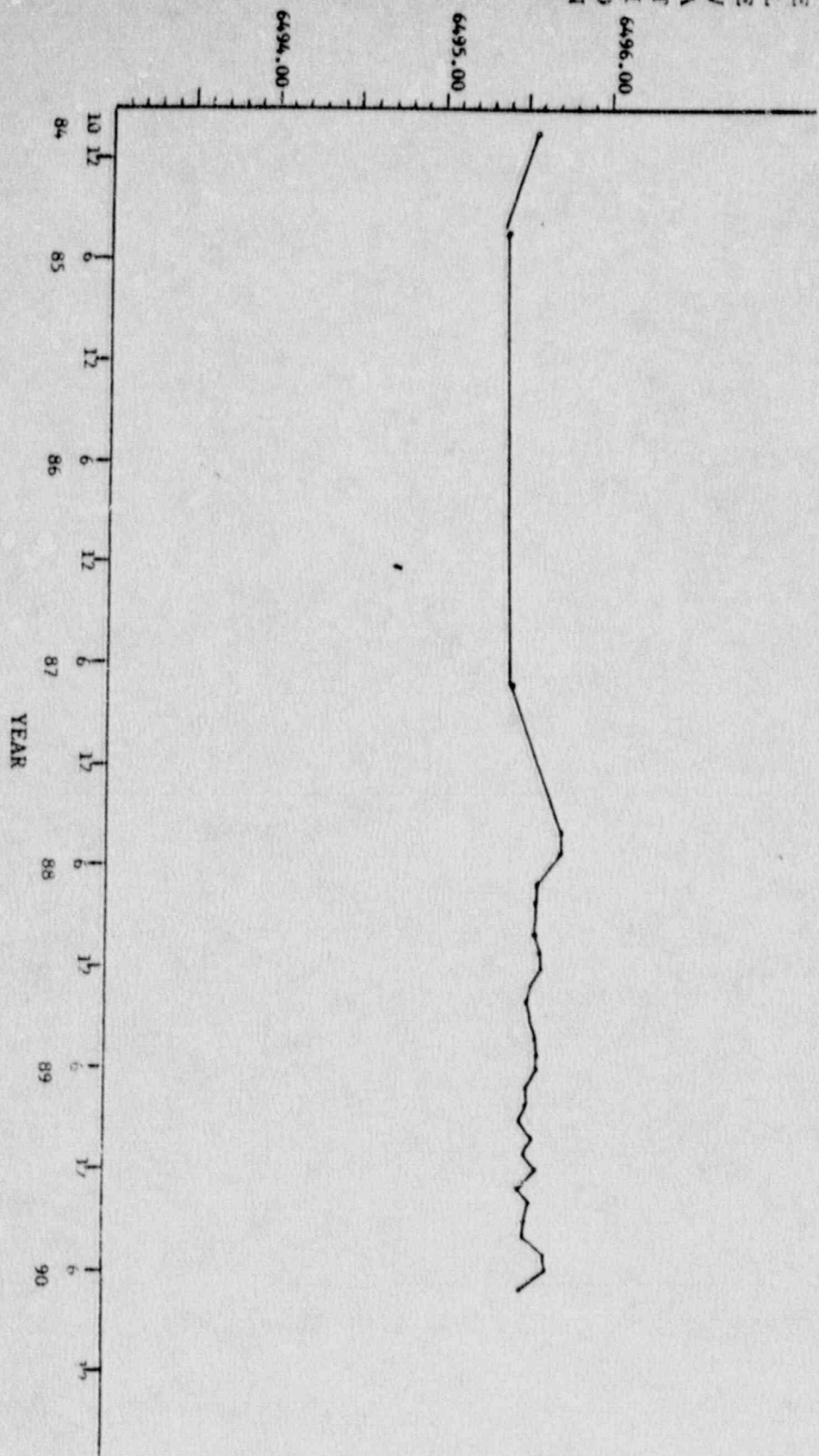
Certified By *Gray C. Wood*

9009040141 900712
PDR ADOCK 04004492
C PDC

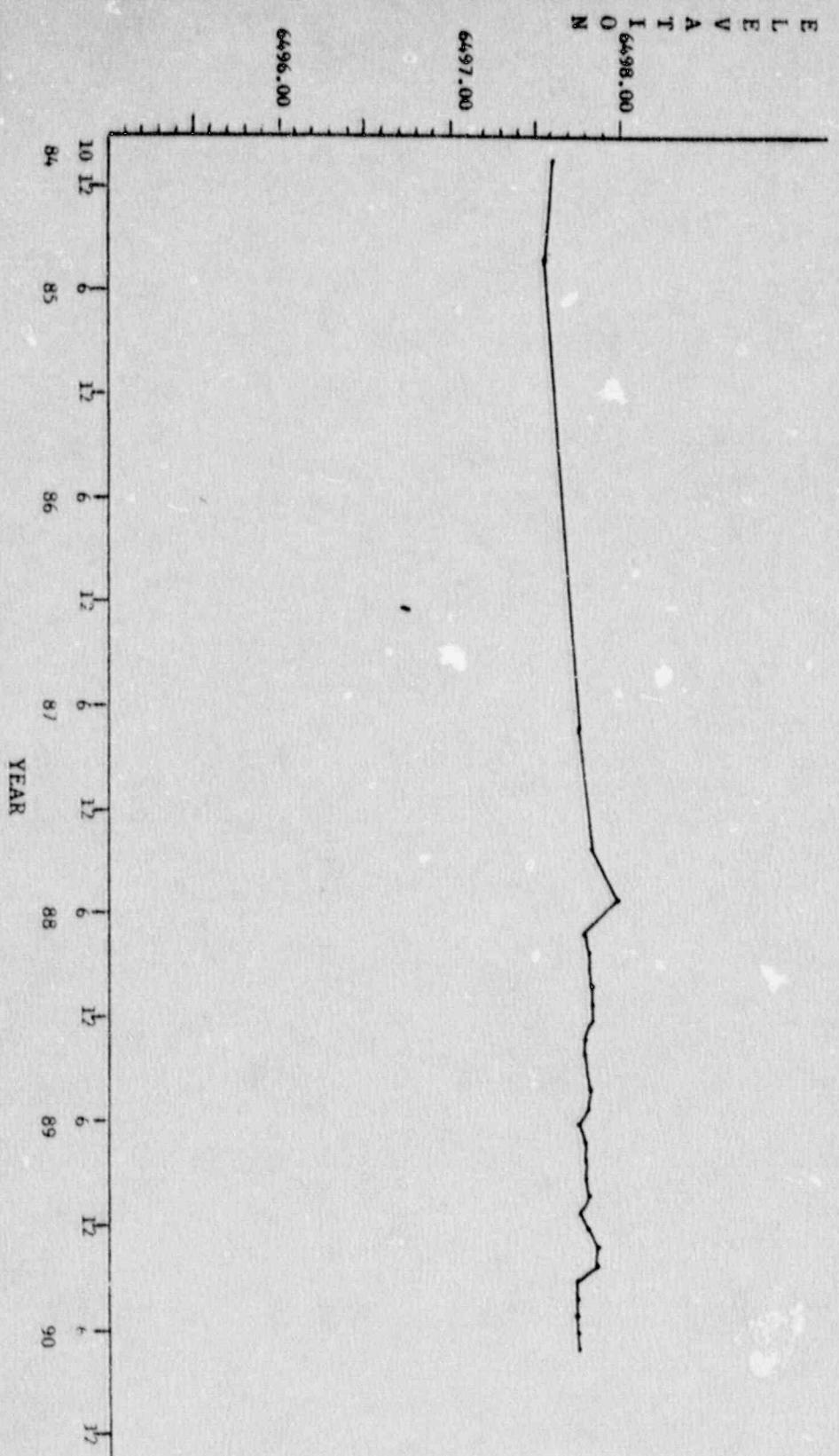
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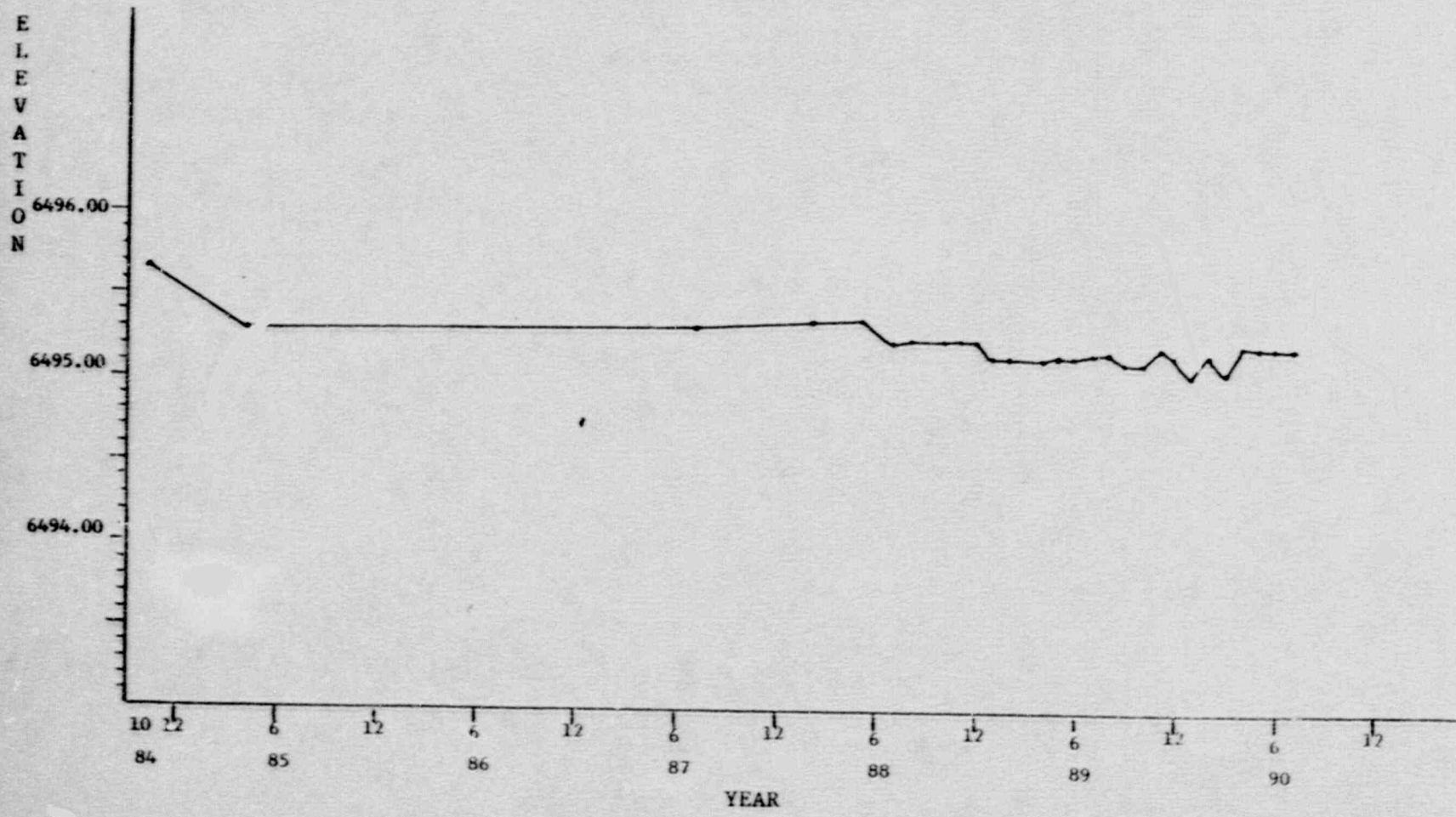
E L E V A T I O N



TAILINGS POND NO. 2
SETTLEMENT MOVEMENT'S

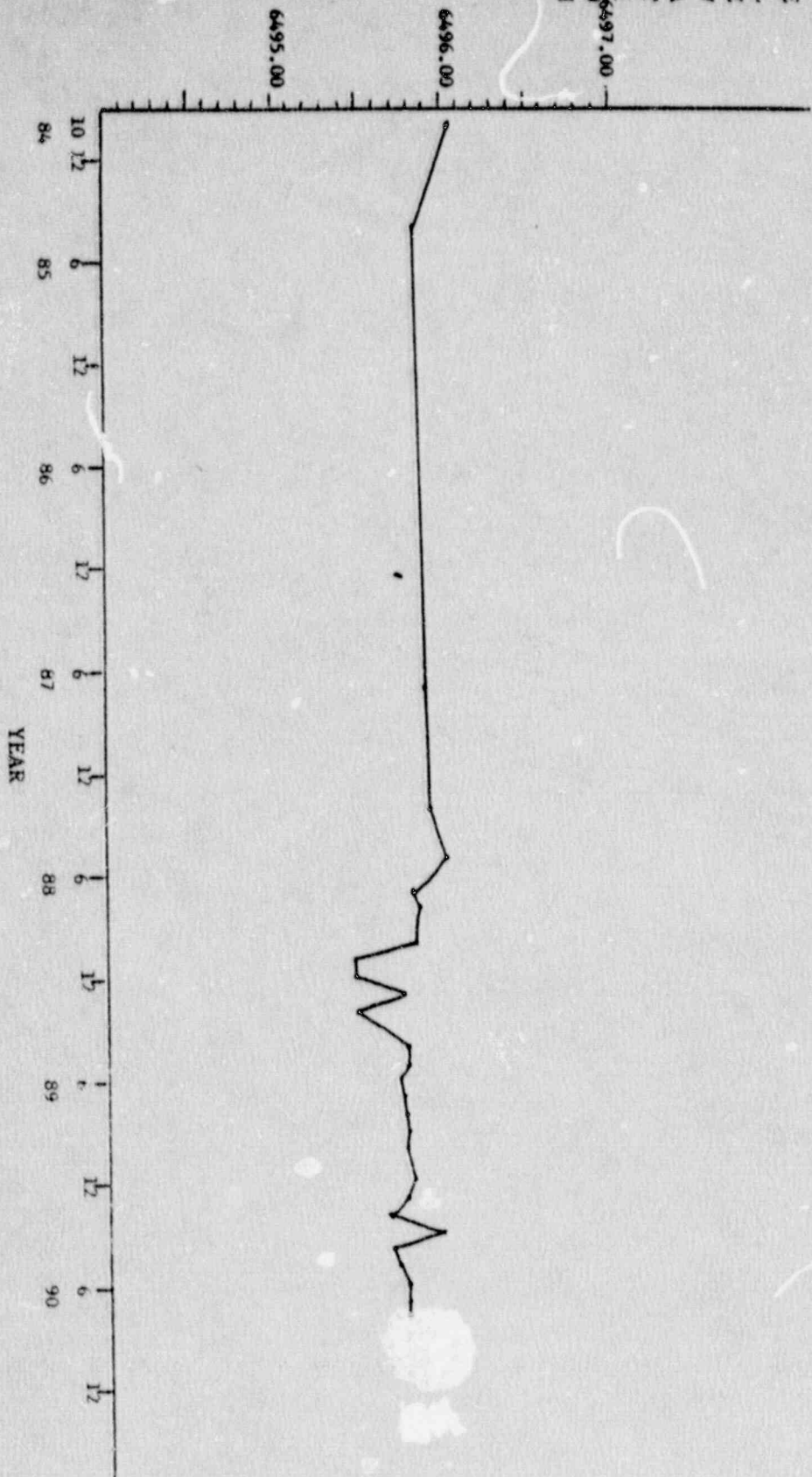


TAILINGS POND NO. 2
SETTLEMENT MONUMENTS



TAILINGS POND NO. 2
SETTLEMENT MONUMENTS

ELEVATION
D.M.



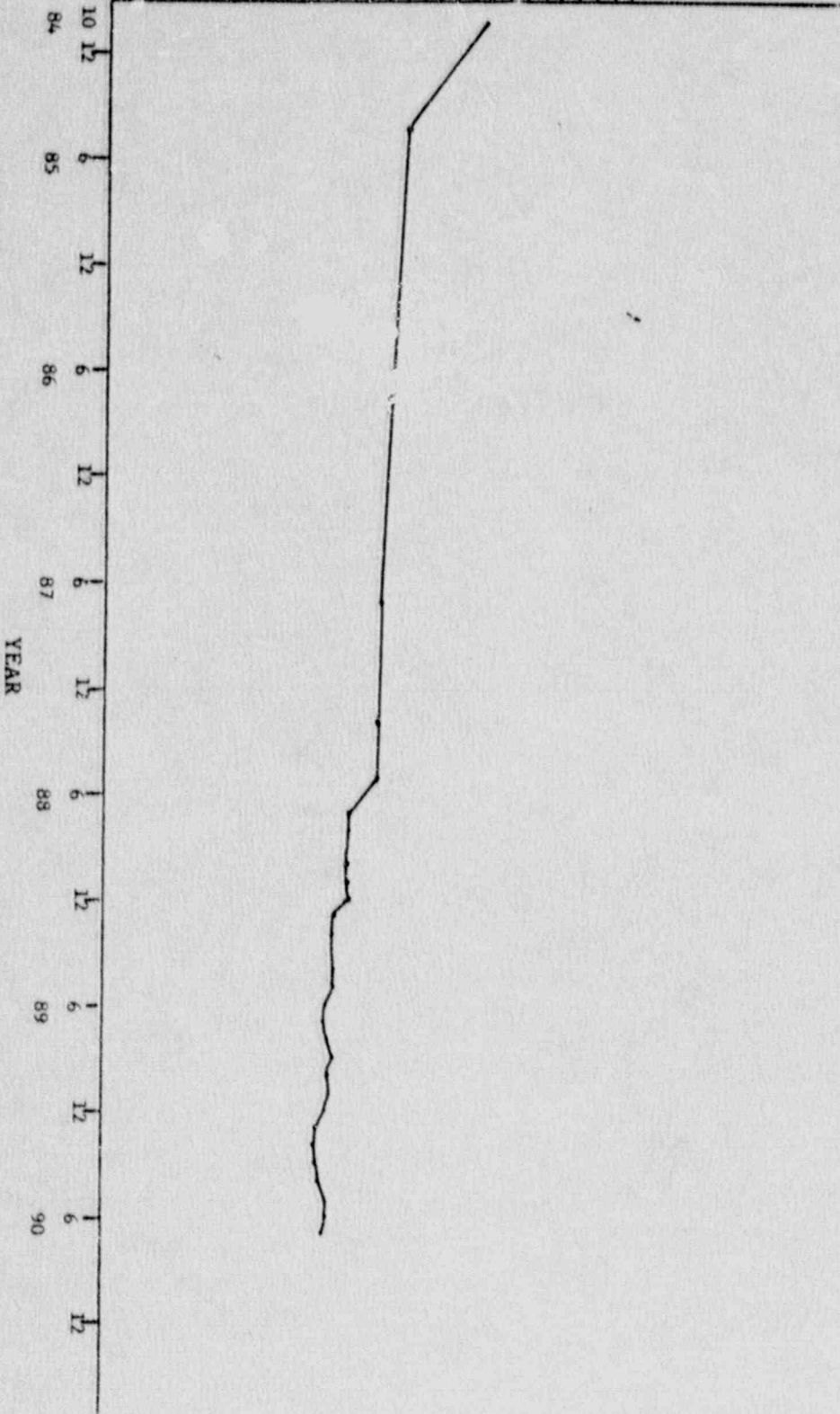
TAILINGS POND NO. 2
SETTLEMENT MONUMENTS

E L L E V A T I O N

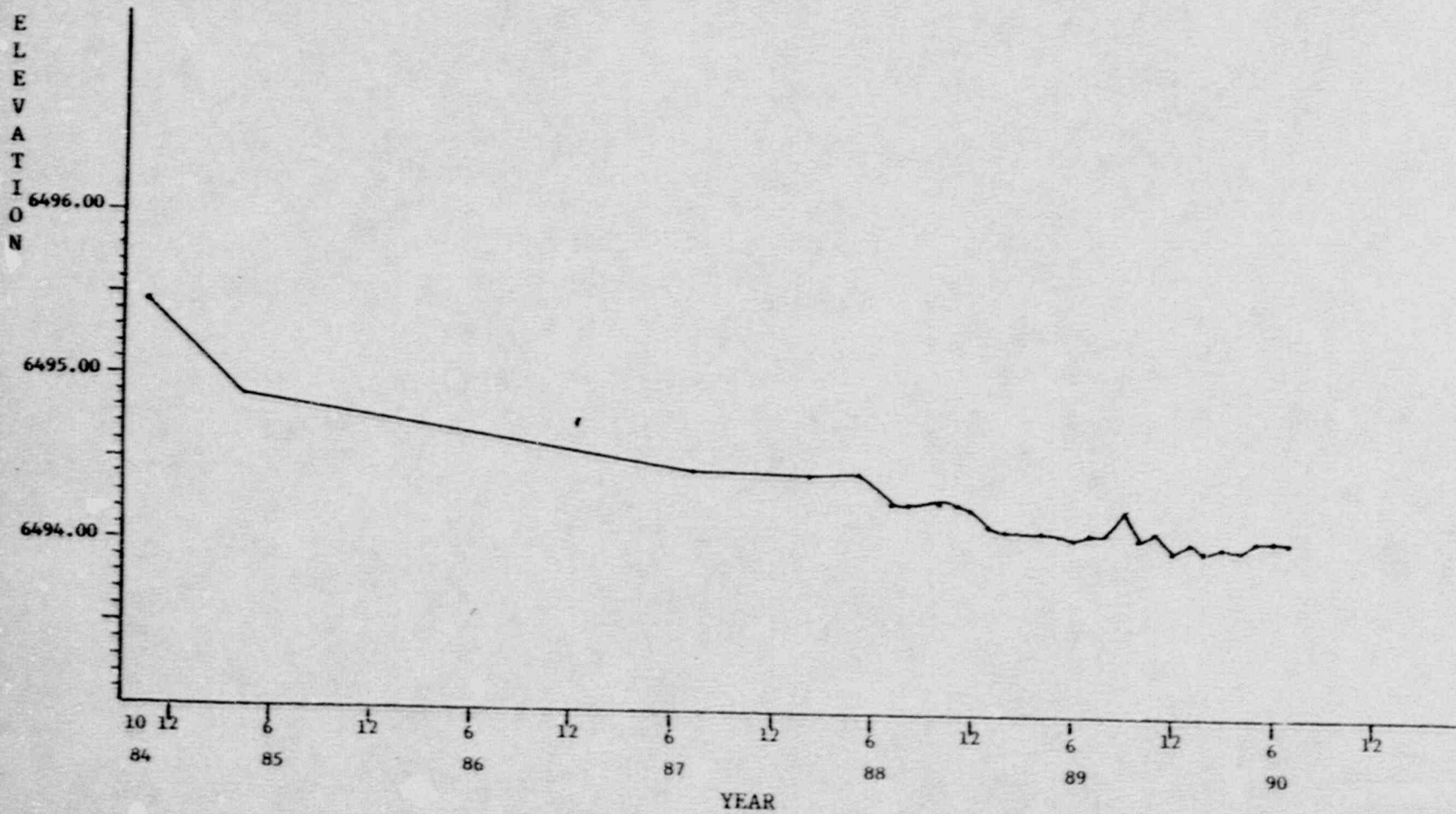
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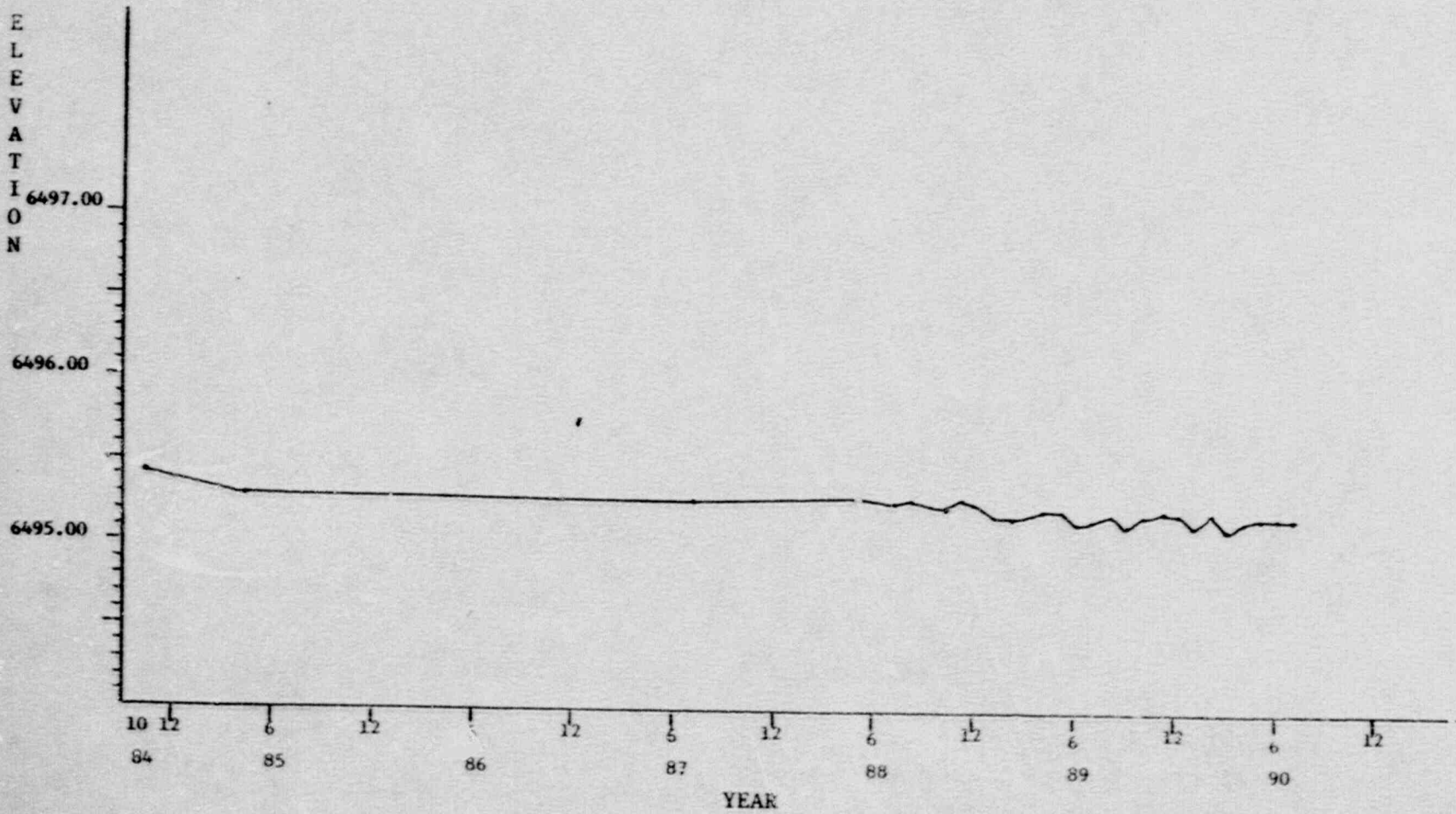


TAILINGS POND NO. 2
SETTLEMENT MONUMENTS



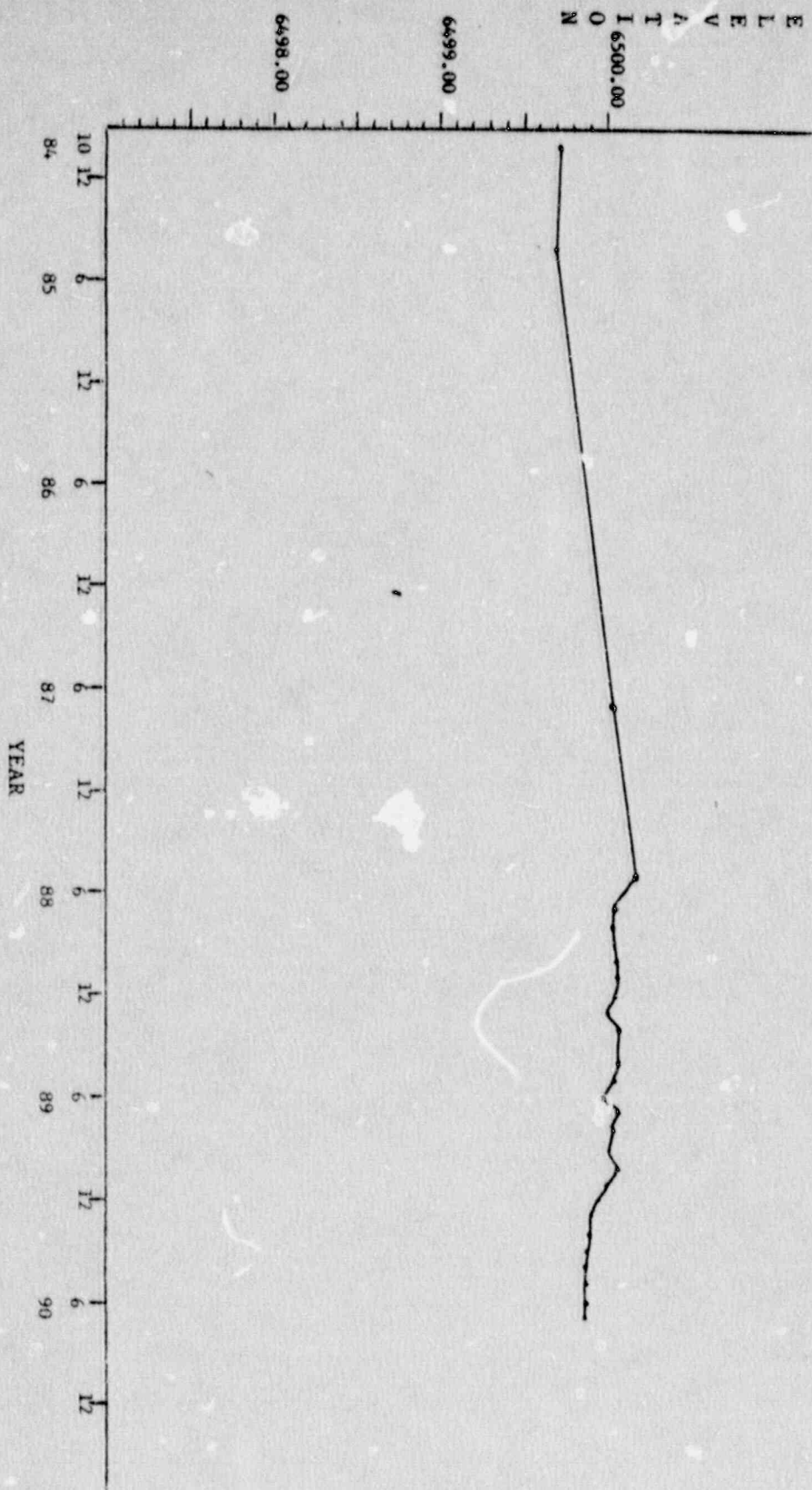
TAILINGS POND NO. 2

SETTLEMENT MONUMENTS

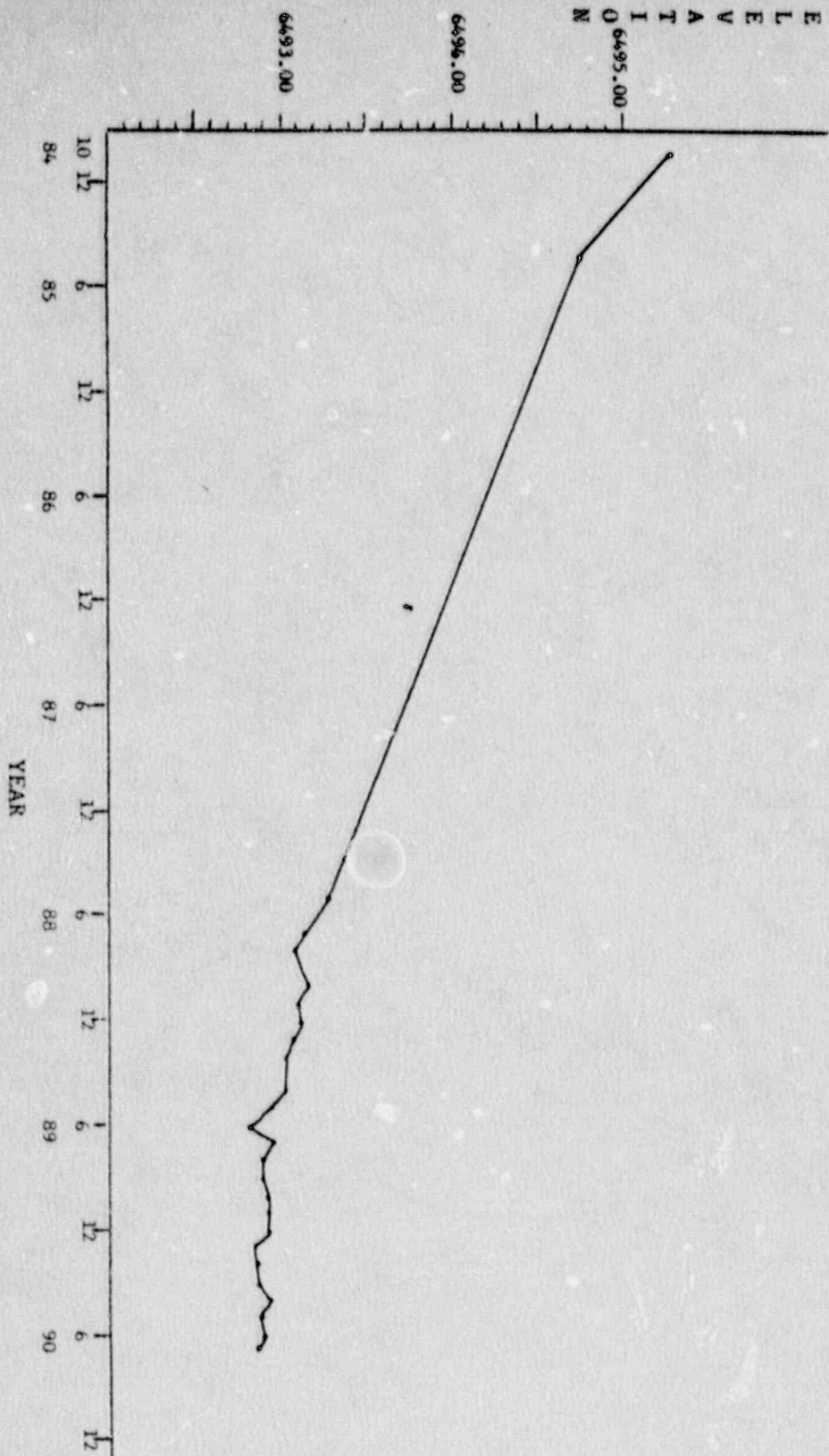


TAILINGS POND NO. 2

SETTLEMENT MONUMENT



TAILINGS POND NO. 2
SETTLEMENT MONUMENTS



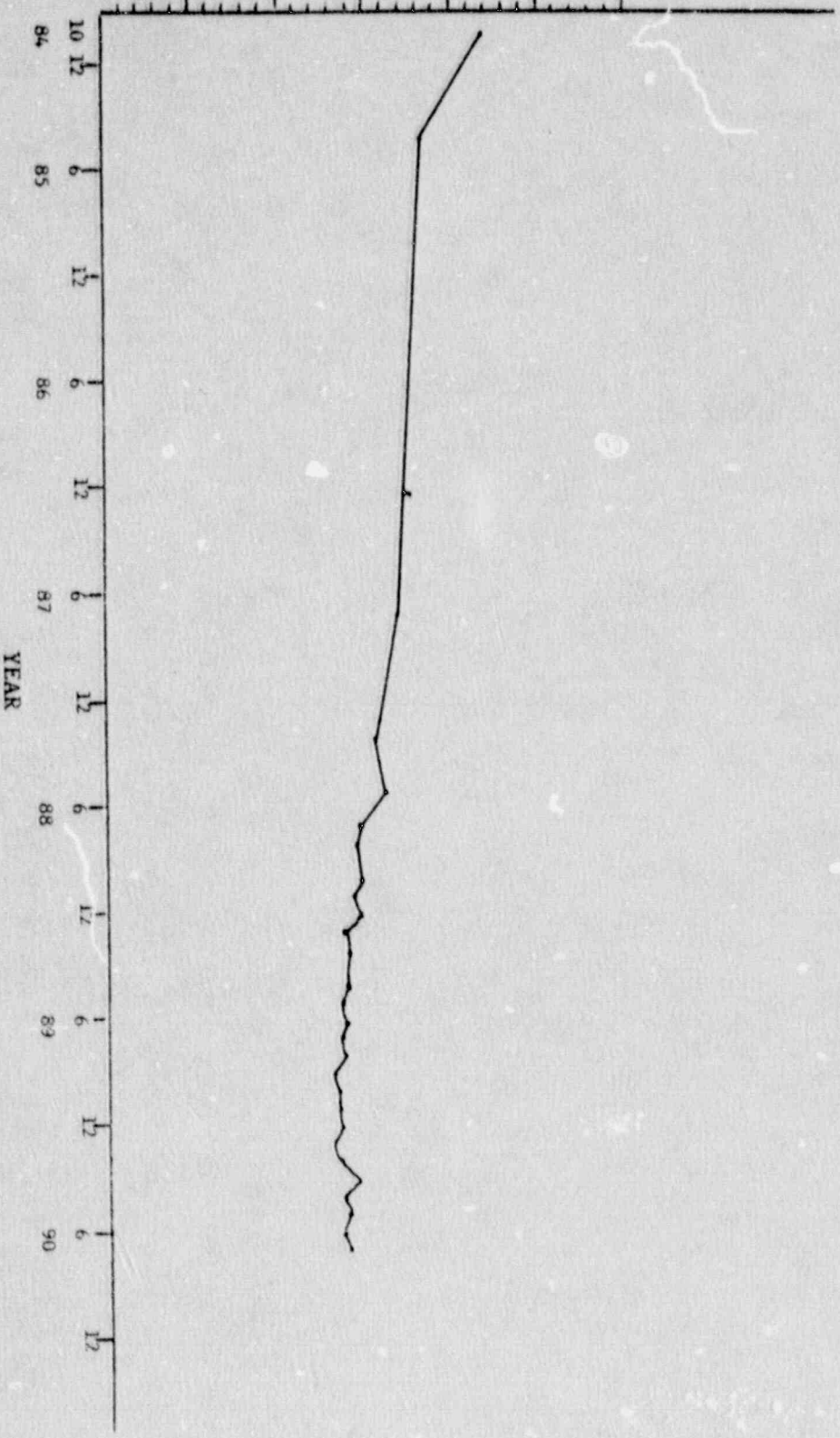
TAILINGS POND NO. 2
SETTLEMENT MONUMENTS

71077

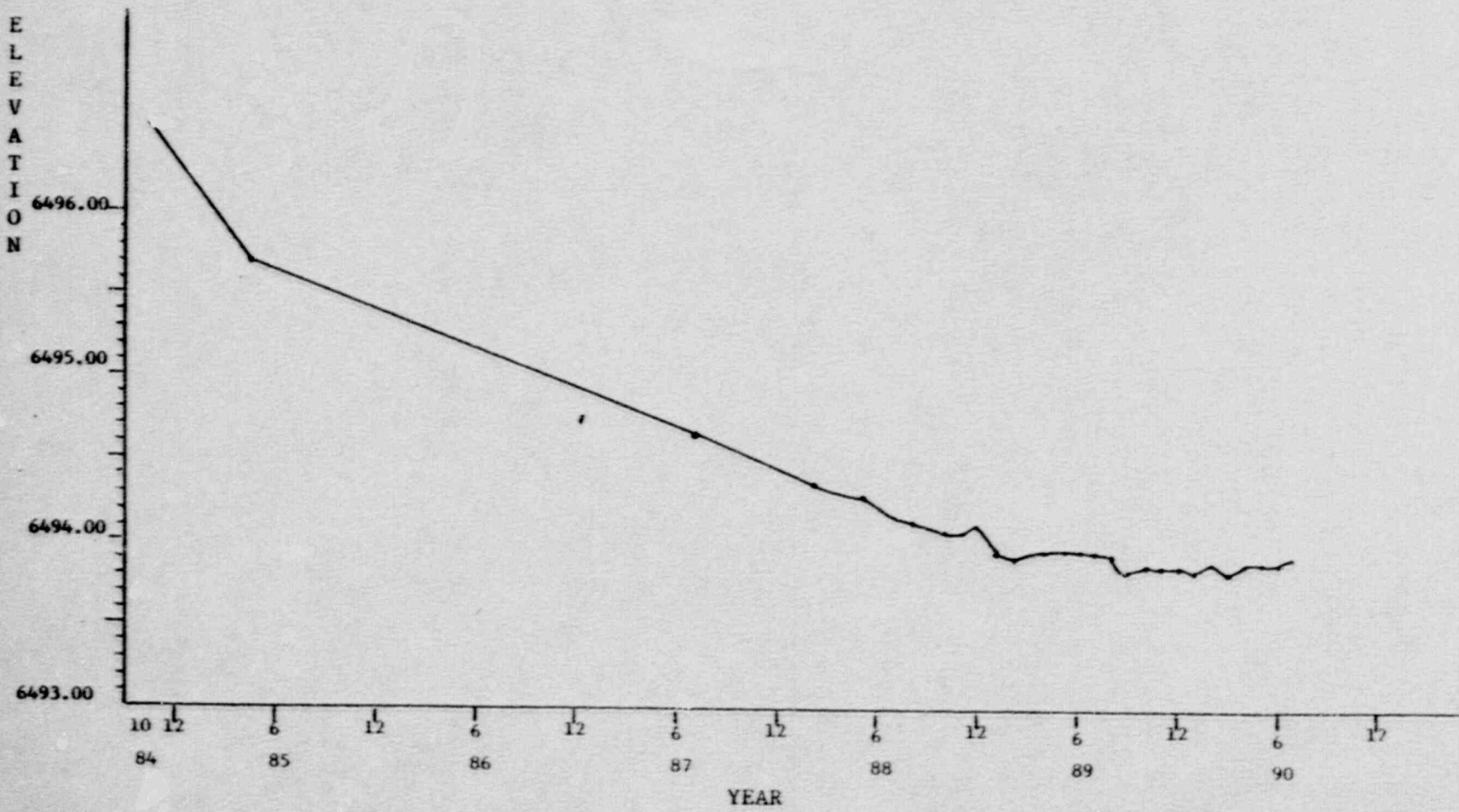
E L L E V A T I O N
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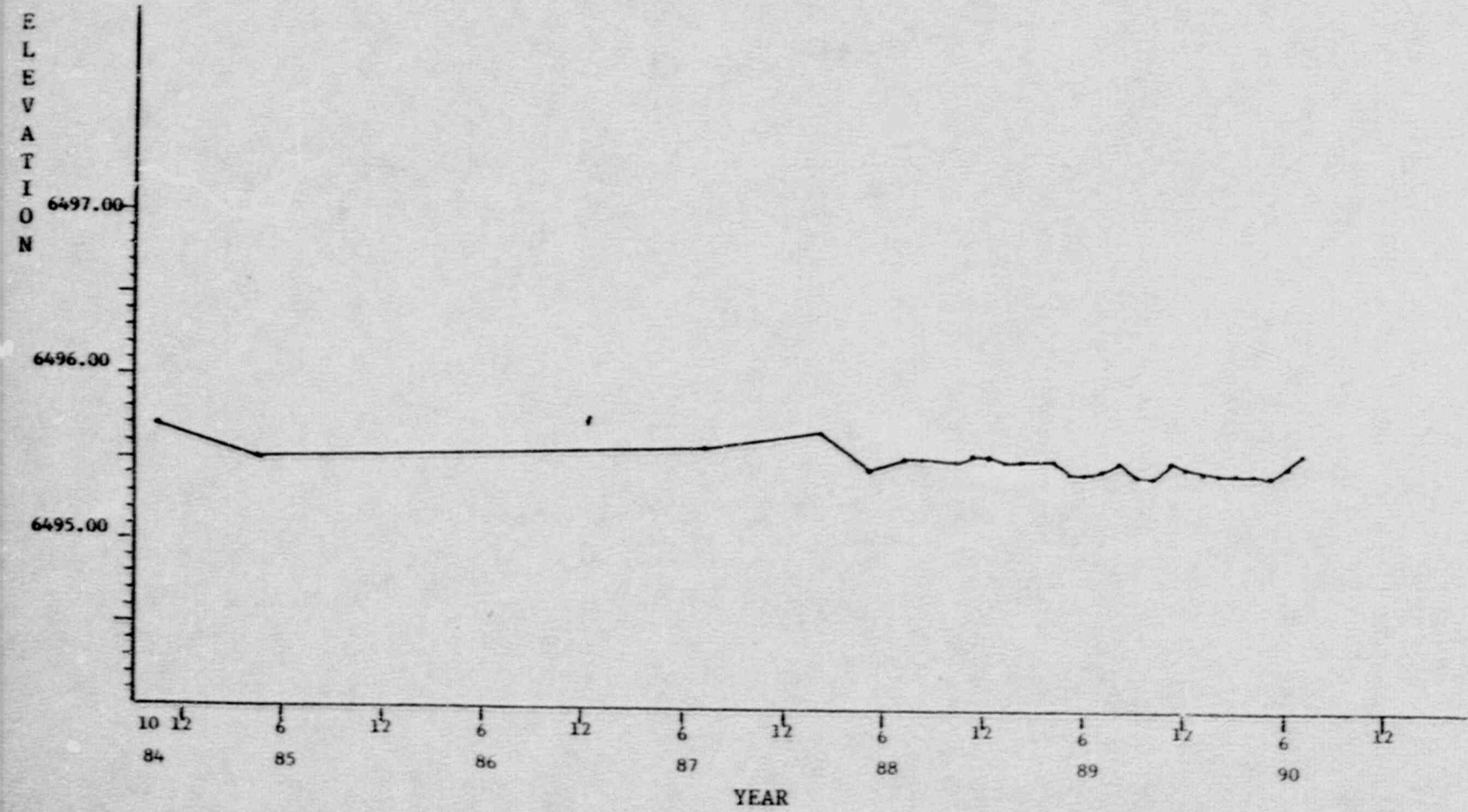
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TAILINGS POND NO. 2
SETTLEMENT MONUMENT'S



TAILINGS POND NO. 2
SETTLEMENT MONUMENTS



TAILINGS POND NO. 2
SETTLEMENT MONUMENTS

DIFFERENTIAL SETTLEMENT MONUMENTS
TAILINGS POND NO. 2

Monument:	DS#1	DS#2	DS#3	DS#4	DS#5	DS#6	DS#7	DS#8	DS#9	DS#10	DS#11	DS#12	DS#13
Date (1984)	10-10	10-10	10-10	10-10	10-10	10-10	10-10	10-10	10-10	10-10	10-10	10-10	10-10
Coord N	779,415.74	779,289.27	779,652.22	779,544.84	779,444.55	779,651.28	779,783.20	779,623.33	779,496.93	779,850.89	779,704.97	779,833.50	779,911.10
Coord E	795,741.40	799,893.88	799,967.85	800,048.80	800,123.79	800,157.89	800,260.30	800,327.19	800,380.14	800,564.18	800,607.59	800,787.20	800,841.10
Elevation	6,495.58	6,497.61	6,495.64	6,496.08	6,497.97	6,496.18	6,495.47	6,496.43	6,499.72	6,495.27	6,495.18	6,496.53	6,497.10
Date (1985)	4-29	4-29	4-29	4-29	4-29	4-29	4-29	4-29	4-29	4-29	4-29	4-29	4-29
Elevation	6,495.39	6,497.56	6,495.28	6,495.84	6,497.94	6,495.75	6,494.90	6,496.30	6,499.70	6,494.72	6,494.81	6,495.70	6,496.10
Date (1987)	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1
Elevation	6,495.43	6,497.75	6,495.31	6,495.89	6,498.16	6,495.60	6,494.46	6,496.29	6,500.04		6,494.67	6,494.66	6,495.10
Date (1987)	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4	2-4
Elevation	6,495.75	6,497.81	6,495.36	6,495.91	6,498.31	6,495.58	6,494.42	Snow	Snow	Snow	6,494.53	6,494.34	6,494.10
Date (1988)	5-31	5-31	5-31	5-31	5-31	5-31	5-31	5-31	5-31	5-31	5-31	5-31	5-31
Elevation	6,495.75	6,497.99	6,495.36	6,496.01	6,498.33	6,495.58	6,494.46	6,496.30	6,500.16	6,493.24	6,494.60	6,494.27	6,494.10
Date (1988)	7-9	7-9	7-9	7-9	7-9	7-9	7-9	7-9	7-9	7-9	7-9	7-9	7-9
Elevation	6,495.60	6,497.79	6,495.23	6,495.80	6,498.18	6,495.43	6,494.29	6,496.27	6,500.05	6,493.11	6,494.45	6,494.14	6,494.10
Date (1988)	8-20	8-20	8-20	8-20	8-20	8-20	8-20	8-20	8-20	8-20	8-20	8-20	8-20
Elevation	6,495.58	6,497.83	6,495.25	6,495.85	6,498.18	6,495.42	6,494.29	6,496.30	6,500.03	6,493.09	6,494.41	6,494.12	6,494.10
Date (1988)	10-7	10-7	10-7	10-7	10-7	10-7	10-7	10-7	10-7	10-7	10-7	10-7	10-7
Elevation	6,495.60	6,497.83	6,495.24	6,495.82	6,498.16	6,495.42	6,494.28	6,496.26	6,500.06	6,493.14	6,494.45	6,494.08	6,494.10
Date (1988)	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14	11-14
Elevation	6,495.63	6,497.84	6,495.23	6,495.46	6,498.24	6,495.42	6,494.29	6,496.31	6,500.08	6,493.10	6,494.41	6,494.07	6,494.10
Date (1988)	12-15	12-15	12-15	12-15	12-15	12-15	12-15	12-15	12-15	12-15	12-15	12-15	12-15
Elevation	6,495.62	6,497.83	6,495.23	6,495.46	6,498.22	6,495.41	6,494.24	6,496.28	6,500.06	6,493.11	6,494.44	6,494.11	6,494.10
Date (1989)	1-25	1-25	1-25	1-25	1-25	1-25	1-25	1-25	1-25	1-25	1-25	1-25	1-25
Elevation	6,495.57	6,497.79	6,495.16	6,495.74	6,498.17	6,495.34	6,494.16	6,496.21	6,500.01	6,493.06	6,494.38	6,493.93	6,494.10
Date (1989)	2-28	2-28	2-28	2-28	2-28	2-28	2-28	2-28	2-28	2-28	2-28	2-28	2-28
Elevation	6,495.55	6,497.78	6,495.14	6,495.47	6,498.18	6,495.34	6,494.13	6,496.20	6,500.07	6,493.03	6,494.38	6,493.90	6,494.10
Date (1989)	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1	4-1
Elevation	6,495.59	6,497.82	6,495.14	6,495.77	6,498.16	6,495.34	6,494.11	6,496.24	6,500.08	6,493.00	6,494.37	6,493.95	6,494.10
Date (1989)	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7	5-7
Elevation	6,495.61	6,497.80	6,495.16	6,495.78	6,498.16	6,495.34	6,494.10	6,496.23	6,500.06	6,492.91	6,494.35	6,493.94	6,494.10
Date (1989)	6-4	6-4	6-4	6-4	6-4	6-4	6-4	6-4	6-4	6-4	6-4	6-4	6-4
Elevation	6,495.61	6,497.76	6,495.16	6,495.73	6,498.14	6,495.30	6,494.07	6,496.19	6,499.98	6,492.78	6,494.34	6,493.93	6,494.10

Page

DIFFERENTIAL SETTLEMENT MONUMENTS
TAILINGS POND NO. 2

Monument:	DS#1	DS#2	DS#3	DS#4	DS#5	DS#6	DS#7	DS#8	DS#9	DS#10	DS#11	DS#12	DS#13
Date (1989)	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1	7-1
Elevation	6,495.54	6,497.79	6,495.18	6,495.76	6,498.19	6,495.29	6,494.12	6,496.19	6,500.09	6,492.95	6,494.33	6,493.93	6,493.93
Date (1989)	8-5	8-5	8-5	8-5	8-5	8-5	8-5	8-5	8-5	8-5	8-5	8-5	8-5
Elevation	6,495.56	6,497.79	6,495.19	6,495.76	6,498.18	6,495.32	6,494.12	6,496.23	6,500.04	6,492.89	6,494.35	6,493.91	6,493.91
Date (1989)	9-2	9-2	9-2	9-2	9-2	9-2	9-2	9-2	9-2	9-2	9-2	9-2	9-2
Elevation	6,495.56	6,497.80	6,495.12	6,495.78	6,498.17	6,495.34	6,494.26	6,496.16	6,500.02	6,492.89	6,494.29	6,493.82	6,493.82
Date (1989)	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30	9-30
Elevation	6,495.59	6,497.82	6,495.11	6,495.77	6,498.18	6,495.32	6,494.09	6,496.20	6,500.05	6,492.91	6,494.31	6,493.87	6,493.87
Date (1989)	11-4	11-4	11-4	11-4	11-4	11-4	11-4	11-4	#	11-4	11-4	11-4	11-4
Elevation	6,495.56	6,497.76	6,495.20	6,495.80	6,498.19	6,495.32	6,494.11	6,496.23	6,500.00	6,492.91	6,494.32	6,493.86	6,493.86
Date (1989)	12-9	12-9	12-9	12-9	12-9	12-9	12-9	12-9	12-9	12-9	12-9	12-9	12-9
Elevation	6,495.62	6,497.82	6,495.17	6,495.77	6,498.20	6,495.30	6,494.00	6,496.22	6,499.95	6,492.92	6,494.34	6,493.86	6,493.86
# Could not locate monument (in construction area).													
Date (1989)	12-30	12-30	12-30	12-30	12-30	12-30	12-30	12-30	12-30	12-30	12-30	12-30	12-30
Elevation	6,495.50	6,497.85	6,495.04	6,495.66	6,498.11	6,495.24	6,494.06	6,496.16	6,499.90	6,492.83	6,494.29	6,493.83	6,493.83
Date (1990)	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
Elevation	6,495.59	6,497.85	6,495.17	6,495.98	6,498.18	6,495.23	6,494.01	6,496.23	6,499.90	6,492.85	6,494.32	6,493.89	6,493.89
Date (1990)	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3	3-3
Elevation	6,495.54	6,497.73	6,495.08	6,495.68	6,498.13	6,495.23	6,494.03	6,496.12	6,499.89	6,492.86	6,494.42	6,493.82	6,493.82
Date (1990)	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7	4-7
Elevation	6,500.13	6,502.53	6,495.21	6,500.22	6,502.61	6,495.24	6,494.02	6,496.19	6,504.59	6,492.91	6,494.33	6,493.88	6,493.88
Monuments DS#1, #2, #4, #5, & #9 were raised 4.6', 4.8', 4.5', 4.5' & 4.7' respectively in anticipation of placing fill material													
Date (1990)	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5	5-5
Elevation	6,500.27	6,502.53	6,495.22	6,500.27	6,502.64	6,495.30	6,494.08	6,496.20	6,504.57	6,492.87	6,494.37	6,493.88	6,493.88
Date (1990)	6-9	6-9	6-9	6-9	6-9	6-9	6-9	6-9	6-9	6-9	6-9	6-9	6-9
Elevation	6,500.28	6,502.55	6,495.22	6,500.27	6,502.69	6,495.31	6,494.09	6,496.20	6,504.57	6,492.88	6,494.34	6,493.88	6,493.88
Date (1990)	7-7	7-7	7-7	7-7	7-7	7-7	7-7	7-7	7-7	7-7	7-7	7-7	7-7
Elevation	6,500.13	6,502.56	6,495.22	6,500.28	6,502.69	6,495.29	6,494.09	6,496.20	6,504.57	6,492.85	6,494.38	6,493.91	6,493.91