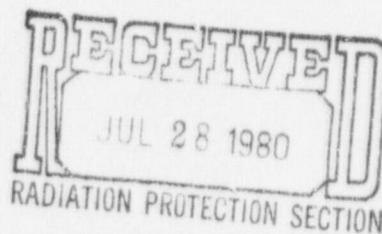




KERR-McGEE NUCLEAR CORPORATION

POST OFFICE BOX 218 • TRANTS, NEW MEXICO 87020

July 24, 1980



Mr. G. W. Stewart
Radiation Protection Bureau
Environmental Improvement Division
P. O. Box 968
Santa Fe, New Mexico 87503

Dear Mr. Stewart:

Enclosed is our tails report for the second quarter of 1980.

Respectfully,

KERR-McGEE NUCLEAR CORPORATION

Donald F. Anderson
Mill Engineering

DFA:hc

Enclosure

9803240103 800630
PDR ADDCK 04008905
C PDR

KERR-McGEE NUCLEAR CORPORATION
Grants, New Mexico

TAILINGS REPORT

2nd Quarter, 19 80

INPUT TO PONDS

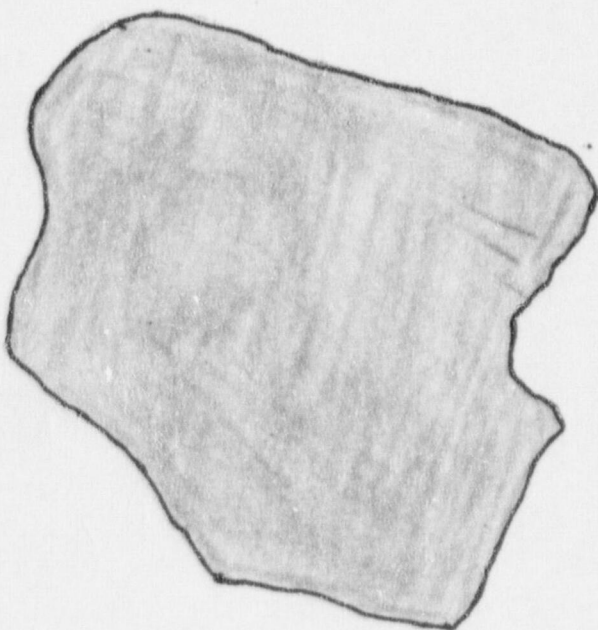
	<u>Tons</u>	<u>Acre Ft.</u>
Solids to Ponds:	<u>429,210</u>	<u>--</u>
Mill Solution to Ponds:	<u>522,210</u>	<u>384.6</u>
Water to Ponds:	<u>66,920</u>	<u>49.3</u>
Total	<u>589,130</u>	<u>433.9</u>

STATUS OF PONDS

<u>Pond No.</u>	<u>Evaporation Area Acres</u>	<u>Average Depth Feet</u>	<u>Solution Volume Acre Feet</u>
1	<u>13.4</u>	<u>1.0</u>	<u>13.4</u>
2	<u>64.9</u>	<u>4.9</u>	<u>318.0</u>
3	<u>3.8</u>	<u>0.7</u>	<u>2.8</u>
4	<u>5.1</u>	<u>1.0</u>	<u>5.0</u>
5	<u>4.7</u>	<u>0.7</u>	<u>3.2</u>
6	<u>4.1</u>	<u>1.4</u>	<u>5.6</u>
7	<u>6.5</u>	<u>3.0</u>	<u>19.5</u>
8	<u>15.4</u>	<u>5.9</u>	<u>90.9</u>
9	<u>23.6</u>	<u>2.3</u>	<u>54.2</u>
10	<u>7.2</u>	<u>1.6</u>	<u>11.5</u>
11	<u>28.3</u>	<u>4.5</u>	<u>125.8</u>
12	<u>22.4</u>	<u>4.6</u>	<u>103.7</u>
13	<u>16.8</u>	<u>5.6</u>	<u>94.6</u>
14	<u>20.8</u>	<u>3.7</u>	<u>77.7</u>
15	<u>24.1</u>	<u>4.0</u>	<u>96.3</u>
16	<u>19.5</u>	<u>5.3</u>	<u>103.0</u>
17	<u>19.5</u>	<u>3.9</u>	<u>76.1</u>
18	<u>22.2</u>	<u>4.4</u>	<u>98.0</u>
19	<u>34.8</u>	<u>5.8</u>	<u>203.2</u>
20	<u>--</u>	<u>--</u>	<u>--</u>
21	<u>--</u>	<u>--</u>	<u>--</u>
TOTAL	<u>357.1</u>	<u>4.2</u>	<u>1502.5</u>

POND ELEVATIONS

<u>Pond No.</u>	<u>Elevation, Ft.</u>	<u>Elevation Change, Ft.</u>
1	<u>6997.1</u>	<u>- 1.9</u>
2	<u>6986.6</u>	<u>- 0.4</u>
3	<u>6923.4</u>	<u>- 2.0</u>
4	<u>6934.2</u>	<u>- 2.4</u>
5	<u>6929.3</u>	<u>- 0.7</u>
6	<u>6923.3</u>	<u>- 0.7</u>
7	<u>6992.4</u>	<u>- 1.6</u>
8	<u>70.13.3</u>	<u>- 0.5</u>
9	<u>6918.0</u>	<u>- 1.6</u>
10	<u>6910.0</u>	<u>- 1.5</u>
11	<u>6936.5</u>	<u>- 1.2</u>
12	<u>6928.6</u>	<u>- 1.0</u>
13	<u>6923.4</u>	<u>- 0.7</u>
14	<u>6915.4</u>	<u>- 2.2</u>
15	<u>6908.3</u>	<u>- 1.6</u>
16	<u>6901.2</u>	<u>- 1.6</u>
17	<u>6897.1</u>	<u>- 1.7</u>
18	<u>6891.2</u>	<u>- 1.7</u>
19	<u>6885.7</u>	<u>+ 3.7</u>
20	<u>-</u>	<u>-</u>
21	<u>-</u>	<u>-</u>

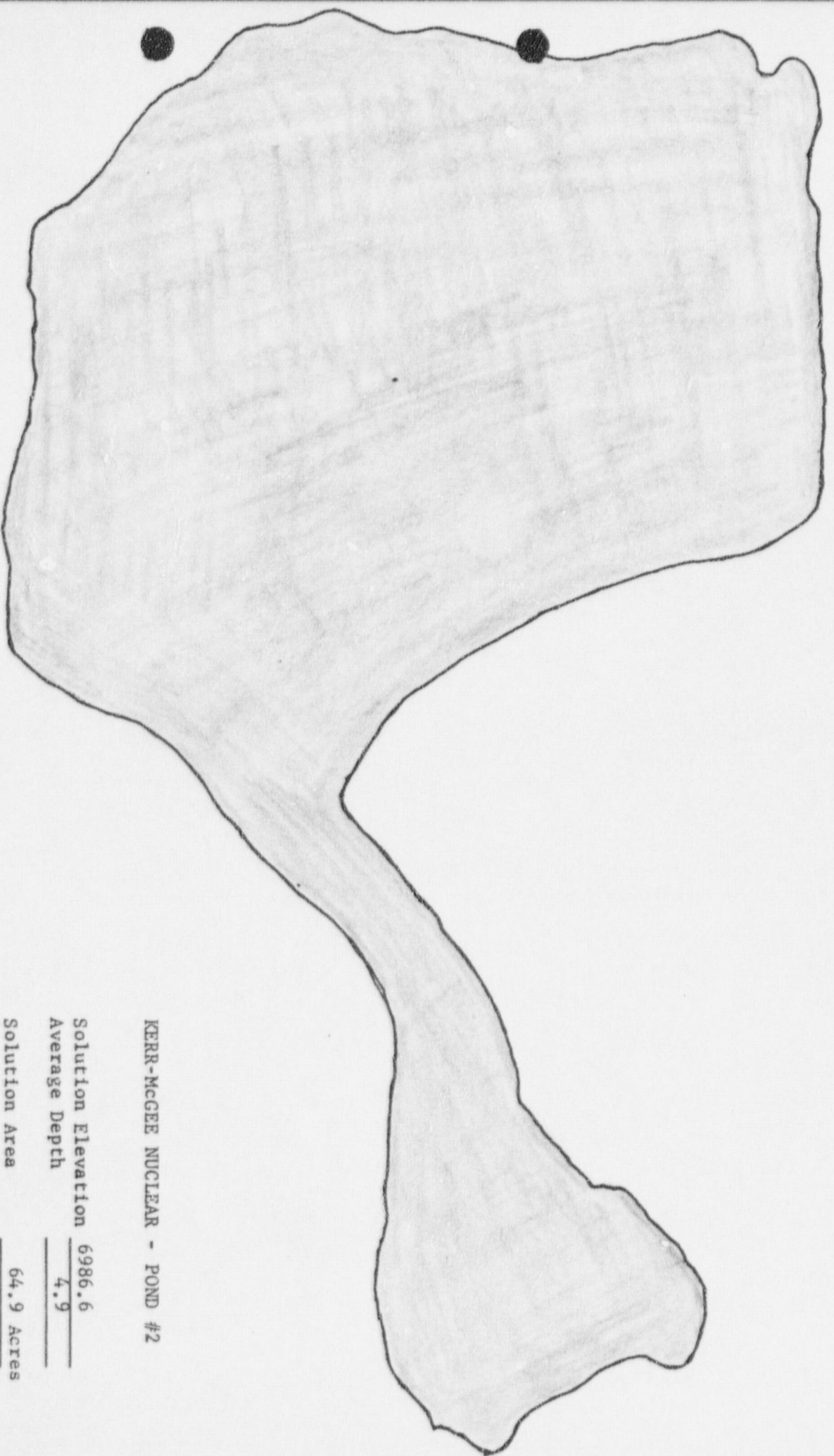


1" = 300'

KERR-MCGEE NUCLEAR - POND #1

Solution Elevation	97.1
Average Depth	1.0'
Solution Area	13.4 Acres
Solution Volume	13.4 Acre/Ft.

Date July 1, 1980



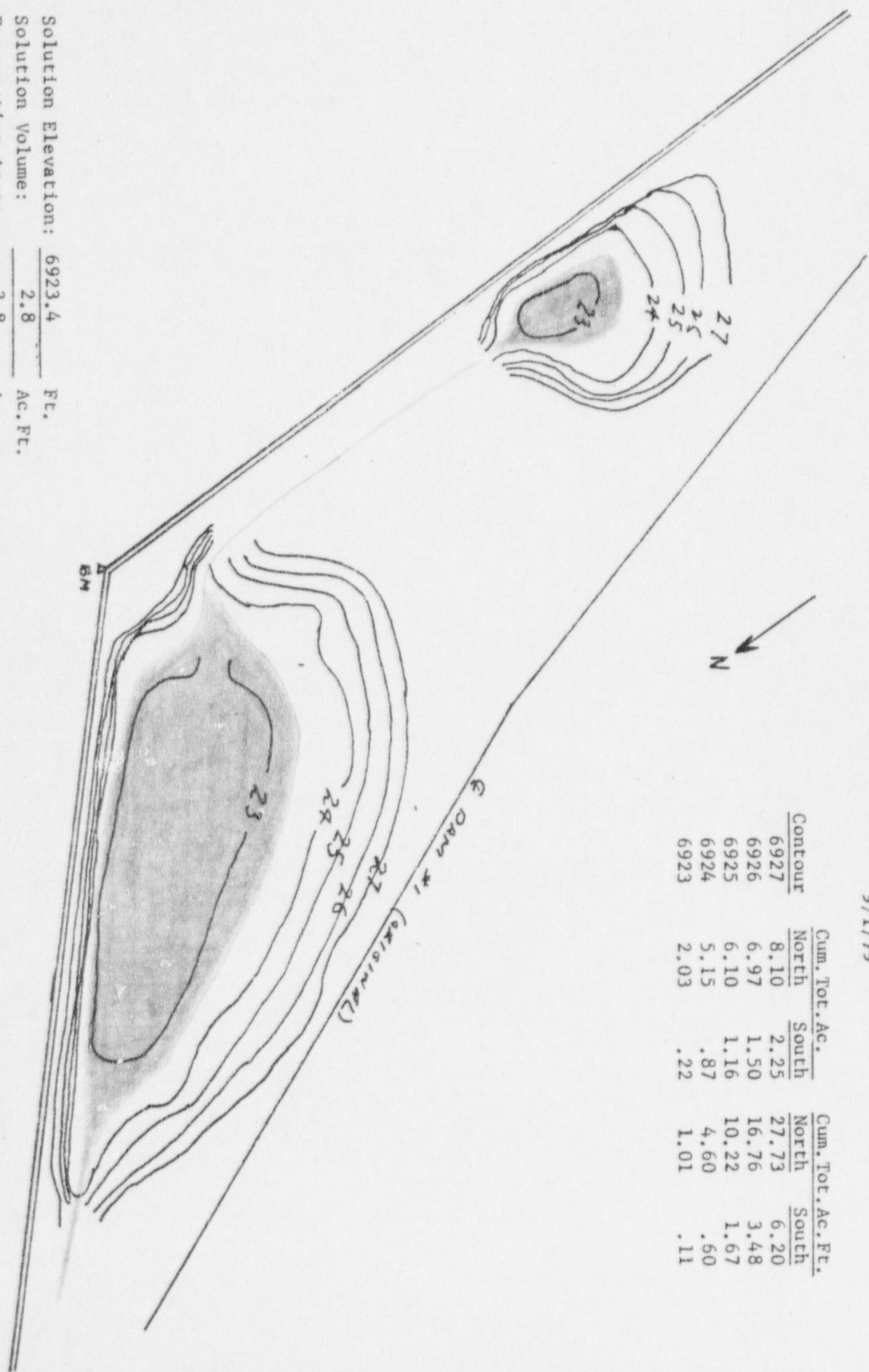
1" = 300'

KERR-MCGEE NUCLEAR - POND #2

Solution Elevation	<u>6986.6</u>
Average Depth	<u>4.9</u>
Solution Area	<u>64.9 Acres</u>
Solution Volume	<u>318.0 Acre/Ft.</u>
Date	<u>July 1, 1980</u>

Kerr-McGee Nuclear Corporation
 Decant Pond No. 3
 Section 31 T14N R9W
 Scale 1" = 200' Contour Interval 1'
 9/1/79

Contour	Cum. Tot. Ac.		Cum. Tot. Ac. Ft.	
	North	South	North	South
6927	8.10	2.25	27.73	6.20
6926	6.97	1.50	16.76	3.48
6925	6.10	1.16	10.22	1.67
6924	5.15	.87	4.60	.60
6923	2.03	.22	1.01	.11



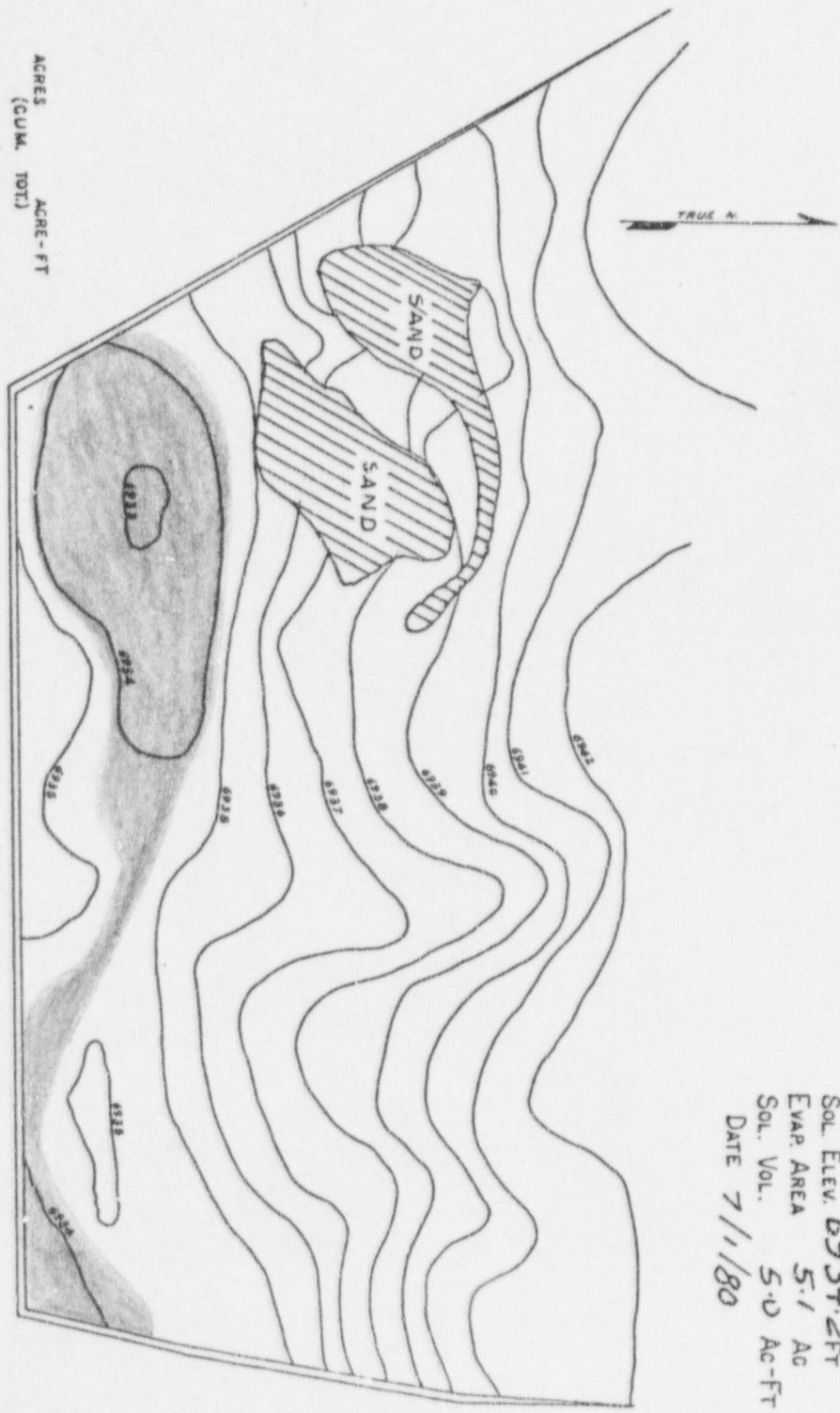
Solution Elevation: 6923.4 Ft.
 Solution Volume: 2.8 Ac. Ft.
 Evaporation Area: 3.8 Ac.
 Date: July 1, 1980

BY P. J. N. DATE 11/5/80
 CHKD. BY DATE
REVIEWED 12-17-78

SUBJECT Page No. 4

SHEET NO. 1 OF 1
 JOB NO.

SOL. ELEV. **6934.2** FT
 EVAP. AREA **5.1** AC
 SOL. VOL. **5.0** AC-FT
 DATE **7/1/80**



CONTOUR	ACRES (CUM. TOT.)	ACRE-FT
6942	41.8	180.2
6941	33.8	142.4
6940	28.9	111.1
6939	25.3	84.0
6938	22.2	60.1
6937	18.2	39.9
6936	14.9	23.3
6935	10.8	10.4
6934	3.7	3.7

EVAPORATION POND NO. 4
 SECTION 31, T 14, R 9W
 SCALE 1 INCH = 200 FEET
 CONTOUR INTERVAL = 1 FOOT
 TOPD BY RMS



CONTOUR	ACRES	CUM. TOT. ACRE-FT
6922	15.44	29.37
6931	11.30	14.00
6930	7.15	6.77
6929	3.02	1.59
6928	0.23	.04

Sol. Elev. 6929.3
 Evap. Area 4.7 Ac
 Sol. Vol. 3.2 Ac-Ft
 Date 7/1/80

EVAPORATION DAM NO. 5
 SEC 31-14-9
 SCALE 1" = 100 FEET
 CONTOUR INTERVAL 1 FOOT
 TOPD BY MIV

BY R.M.G. DATE 11/3/60
 CKD BY DATE
 SUBJECT POND NO. 6
 SHEET NO. 1 OF 1
 JOB NO.



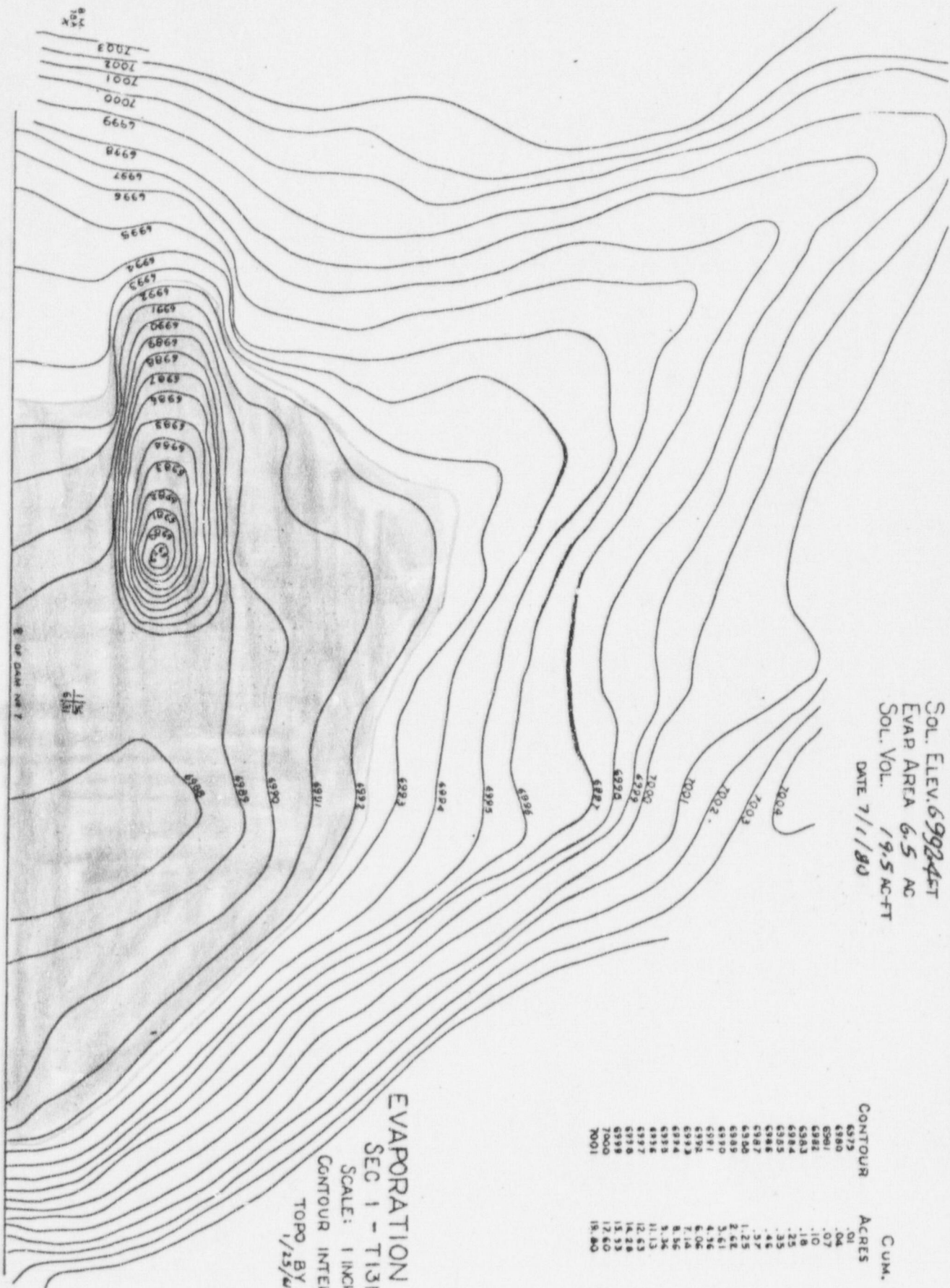
Sol. Elev. 6923.3
 EVAP. AREA 4.1 Ac
 Sol. Vol. 5.6 Ac-Ft
 DATE 7/1/80

CONTOUR	ACRES	CUM. TOT.
6928	9.89	24.60
6926	8.03	16.57
6924	3.90	12.67
6922	2.08	10.59
6920	.43	11.02

EVAPORATION DAM NO. 6
 SEC. 31-14-9
 SCALE 1 INCH = 100 FEET
 CONTOUR INTERVAL = 1 FOOT
 TOPO BY V & H

0 1/4 COR.

SOL. ELEV. 6992.4 FT
 EVAP AREA 6.5 AC
 SOL. VOL. 19.5 AC-FT
 DATE 7/1/80



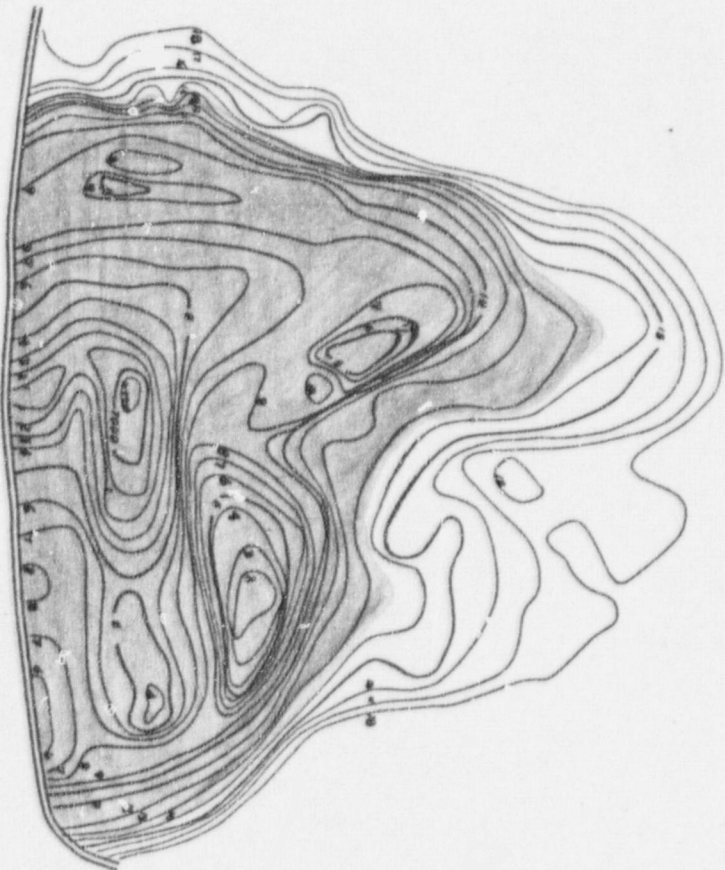
CONTOUR	ACRES	CUM. TOT. ACRE-FT
6970	.01	.01
6971	.04	.05
6972	.07	.12
6973	.10	.22
6974	.16	.38
6975	.25	.63
6976	.35	.98
6977	.46	1.44
6978	.57	2.01
6979	1.25	3.26
6980	2.62	5.88
6981	3.61	9.49
6982	4.36	13.85
6983	6.06	19.91
6984	7.14	27.05
6985	8.56	35.61
6986	9.36	44.97
6987	11.13	56.10
6988	12.63	68.73
6989	14.28	83.01
6990	15.93	98.94
6991	17.60	116.54

EVAPORATION DAM NO 7
 SEC 1 - T13N - R10W
 SCALE: 1 INCH = 100 FT
 CONTOUR INTERVAL - 1 FT
 TOPO BY RMG
 1/25/80

CONTOUR	Cum. ACRES	TOT. ACRES - FT.
6999	0.04	0.2
7000	0.16	0
7001	0.38	0.27
7002	0.87	0.62
7003	1.52	1.20
7004	2.18	1.85
7005	3.34	2.76
7006	4.69	4.02
7007	6.48	5.58
7008	9.00	7.74
7009	11.39	10.20
7010	12.06	11.78
7011	12.70	12.38
7012	13.76	13.23
7013	15.00	14.38
7014	16.36	15.68
7015	17.85	17.10
7016	19.33	18.59
7017	20.19	20.12
7018	23.30	22.10

SOL. ELEV. 7013.3 FT.
 EVAP. AREA 15.4 AC.
 SOL. VOL. 90.9 AC.-FT.

DATE 7/1/80



EVAPORATION DAM NO. 8
 SECTION 1 - T13N - R10W
 SCALE 1" = 200'
 CONTOUR INTERVAL = 1'