INSTRUMENTATION

3/4.3.7 MONITORING INSTRUMENTATION

RADIATION MONITORING INSTRUMENTATION

LIMITING CONDITION FOR OPERATION

3.3.7.1 The radiation monitoring instrumentation channels shown in Table 3.3.7.1-1 shall be OPERABLE with their alarm/trip setpoints within the specified limits.

APPLICABILITY: As shown in Table 3.3.7.1-1.

ACTION:

a. With a radiation monitoring instrumentation channel alarm/trip setpoint exceeding the value shown in Table 3.3.7.1-1, adjust the setpoint to within the limit within 4 hours or declare the channel inoperable.

b. With one or more radiation monitoring channels inoperable, take the ACTION required by Table 3.3.7.1-1.

c. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.3.7.1 Each of the above required radiation monitoring instrumentation channels shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK, CHANNEL FUNCTIONAL TEST and CHANNEL CALIBRATION operations for the conditions and at the frequencies shown in Table 4.3.7.1-1.

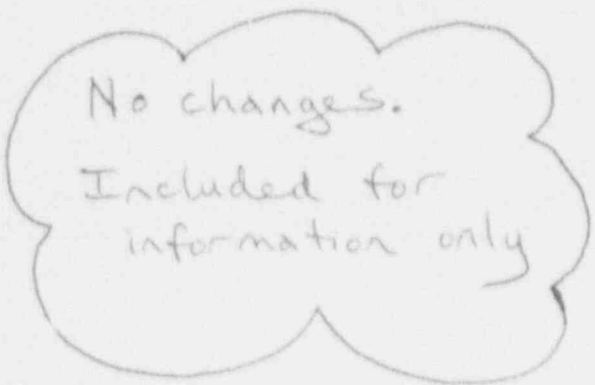

TABLE 3.3.7.1-1

RADIATION MONITORING INSTRUMENTATION

	INSTRUMENTATION	MINIMUM CHANNELS OPERABLE	APPLICABLE CONDITIONS	ALARM/TRIP SETPOINT	ACTION
1.	Fuel Handling Area Vent Exhaust Radiation Monitor (Noble Gas)	1	**	$\leq$ 1500 cpm	70
2.	Offgas Post-treatment Radiation Monitor	1	*	$\leq 1 \times 10^6$ cpm(b)	71
3.	Control Room Ventilation Radiation Monitor (Noble Gas)	1	All OPERATIONAL CONDITIONS and ***	$\leq$ 800 cpm	72
4.	Offgas Pre-treatment Radiation Monitor	1	*	(c)	73
5.	~~Area Monitors~~				
	~~a. Criticality Monitors~~				
	~~1) Fuel Preparation Pool~~	~~1~~	~~#~~	~~$\geq$ 5 mR/hr and $\leq$ 20 mR/hr(a)~~	~~74~~
	~~2) Spent Fuel Storage Pool~~	~~1~~	~~##~~	~~$\geq$ 5 mR/hr and $\leq$ 20 mR/hr(a)~~	~~74~~
	~~3) Upper Containment Pools~~	~~1~~	~~###~~	~~$\geq$ 5 mR/hr and $\leq$ 20 mR/hr(a)~~	~~74~~
	~~b.~~ Control Room Area Radiation Monitor	1	At all times	$\leq$ 2.5 mR/hr(a)	~~75~~ 74

move the table Notes from page 3/4 3-63 to this page for ease of use.

Move the remaining Notes to page 3/4 3-62

~~TABLE 3.3.7.1-1 (Continued)~~

~~RADIATION MONITORING INSTRUMENTATION~~

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~~TABLE NOTATION~~

* When the offgas treatment system is operating.

** With irradiated fuel in the Fuel Handling Building.

*** When irradiated fuel is being handled in the Fuel Handling Building or primary containment.

(a) Alarm only.

(b) Isolates the offgas system.

(c) Alarm setpoint to be set in accordance with Specification 3.11.2.7.

~~# With fuel in the fuel preparation pool.~~

~~## With fuel in the spent fuel storage pool.~~

~~### With fuel stored in the upper containment pools.~~

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TABLE 3.3.7.1-1 (Continued)

RADIATION MONITORING INSTRUMENTATION

ACTION

ACTION 70 - With the required monitor inoperable, obtain and analyze at least one grab sample of the monitored parameter at least once per 24 hours. In addition, with the Unit 1 Vent noble gas monitor inoperable, restore the inoperable noble gas monitor to OPERABLE status within 24 hours or place the inoperable noble gas monitor in the tripped condition.

ACTION 71 - With the required monitor inoperable, release via this pathway may continue provided grab samples are taken at least once per 8 hours and these samples are analyzed for gross activity within 24 hours.

ACTION 72 - With the required monitor inoperable, assure a portable continuous noble gas monitor or the Control Room Area Radiation Monitor is OPERABLE in the control room within 24 hours. Restore the inoperable monitor to OPERABLE status within 7 days, otherwise, initiate and maintain operation of the control room emergency filtration system in the isolation mode of operation within 1 hour.

ACTION 73 - With the number of channels OPERABLE less than required by Minimum Channels OPERABLE requirement, release via this pathway may continue for up to 30 days provided:

a. The offgas system is not bypassed, and

b. The offgas post-treatment monitor is OPERABLE, and

c. Grab samples are taken at least once per 8 hours and analyzed within the following 4 hours;

Otherwise, be in at least HOT SHUTDOWN within 12 hours.

~~ACTION 74 - With the required monitor inoperable, assure a portable area radiation monitor with the same alarm setpoint is OPERABLE in the vicinity of the installed monitor during any fuel movement. If no fuel movement is being made, perform area surveys of the monitored area with portable monitoring instrumentation at least once per 24 hours.~~

ACTION ~~75~~ 74 - With the required monitor inoperable, perform area surveys of the monitored area with portable monitoring instrumentation at least once per 24 hours.

TABLE 4.3.7.1-1

RADIATION MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

INSTRUMENTATION	CHANNEL CHECK	CHANNEL FUNCTIONAL TEST	CHANNEL CALIBRATION	CONDITIONS IN WHICH SURVEILLANCE REQUIRED
1. Fuel Handling Area Vent Exhaust Radiation Monitor (Noble Gas)	S	M	R	**
2. Offgas Post-treatment Radiation Monitor	S	M	R	*
3. Control Room Ventilation Radiation Monitor (Noble Gas)	S	M	R	All OPERATIONAL CONDITIONS and ***
4. Offgas Pre-treatment Radiation Monitor	S	M	R	*
5. ~~Area Monitors~~				
~~a. Criticality Monitors~~				
~~1) Fuel Preparation Pool~~	~~S~~	~~M~~	~~R~~	~~#~~
~~2) Spent Fuel Storage Pool~~	~~S~~	~~M~~	~~R~~	~~##~~
~~3) Upper Containment Pools~~	~~S~~	~~M~~	~~R~~	~~###~~
b. Control Room Area Radiation Monitor	S	M	R	At all times

move the Table Notes from page 3/4 3-66 to this page for ease of use.

Move the remaining Notes to page 3/4 3-65

~~TABLE 4.3.7.1-1 (Continued)~~

~~RADIATION MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS~~

~~TABLE NOTATION~~

Delete these headings because the remaining notes are being moved to page 3/4 3-65

* When the offgas treatment system is operating.

** With irradiated fuel in the Fuel Handling Building.

*** When irradiated fuel is being handled in the Fuel Handling Building or primary containment.

~~# With fuel in the fuel preparation pool.~~

~~## With fuel in the spent fuel storage pool.~~

~~### With fuel stored in the upper containment pools.~~

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Add

The attached Graphs 1 through 26 chart the water levels in the monitor wells and Highland Reservoir since data collection began. Many of the well water levels peaked shortly after pumping tailings to the basin ceased and have been dropping for about seven years. Attachments 3A (compliance wells), 3B (TDSS wells), 3C (background wells), 3D (ore sands wells), 3E (mine backfill wells) and 3F (Highland Reservoir) provide the 1988-1991 water quality data. These attachments are transcribed from the monitoring data provided to the NRC in the semi-annual monitoring reports. Annual averages are provided for each parameter.

The data are discussed below by class of well.

Compliance Wells (125, 175, 176, 177):

The water levels continue to fall in these wells. The levels in 175 and 177 have been erratic since seepage pumping began in 1989. Automatic start/stop operation of the pumps and replacement of worn pumps causes the drawn down levels of the pumped wells to fluctuate.

There has been some improvement in water quality since pumping began. This is true for Cadmium, Chromium, Lead and Selenium. The 1991 average Uranium concentrations from the wells still exceeded the 0 43 pCi/l standard in the license. However, only well 125 exceeds the EPA proposed 30 pCi/l standard for municipal drinking water. Chrome, Radium 226 plus 228 and Thorium 230 sometimes exceed their respective license standards. Chrome only exceeded the license standard one time at one well in 1991. All Radium values are well below the EPA proposed 20 pCi/l individual standards for Radium 226 and Radium 228 for municipal drinking water. The highest Thorium 230 values are below those that have occurred at the background wells. Following the EPA practice of assuming an analytical result below a detection limit equals one half the detection limit and averaging all the results from the compliance wells for 1991, the wells met all the drinking water Table 5C standards in Appendix A of 10CFR Part 40 in 1991.

The Nickel concentration at well 175 remains well above the license standard of 0.02 mg/l which is based on background as there is no Table 5C value for Nickel. The concentration appears to be increasing slowly. However, the average 1991 concentration of 1.145 mg/l is about the same as that [illegible] solution when the mill was in operation. Therefore, the concentration at well 175 is unlikely to become much higher. The Nickel concentration at well 180, just a short distance further from the tailings basin, remains at or near the detection level (0.02 mg/l). The mine backfill at well 180 and between it and well 175 effectively removes Nickel from solution. The backfill is an effective bar to Nickel migration further away from the basin.

Tailings Dam Sandstone Monitor Wells (TDSS) (015, 112,114, 117, 120, 127, 178, 179, 181, 183):

The water levels continue to fall in these wells. The levels in wells 117 and 178 remain erratic. These are pumped mitigation wells. Their water levels are affected by automatic pump start/stop and pump replacement. The average decline of the wells was about 1.0 foot in 1991. Levels have fallen from 10 to 60 feet in the monitor wells since 1984. The water level at well 015 has fallen so low that it can not be sampled

The annual average chemical and radionuclide concentrations have not changed very much since 1988 in the TDSS monitor wells. Some small improvement has occurred in well 112. The pH measurement has trended slightly downward in wells 179, 181 and 183 to the north of the tailings basin.

TDSS Background Monitor Wells (134, 172, 174, 182):

The water levels of wells 134 and 174 show no trend. The levels at wells 172 and 182 continue to fall. This is part of the general decline of water levels in the tailings basin area.

Obvious water quality trends are not seen at the wells. This relative constancy is reasonable for background wells. The Thorium-230 and Uranium concentrations at the background wells have regularly exceeded the license standards without the tailings seepage being the cause. Well 182 was the only well used to establish background for the license standards. Its Uranium concentration exceeded the standard in July, 1991 which further indicates the standard is set ...er the low end of the span of the natural background.

Ore Sands Monitor Wells (116, 128, 129, 148):

Levels are slowly falling in these wells. The water elevations at the west end of the basin near ...land Reservoir are far below the levels to the east. The water levels remain well below those in the overlying TDSS. No trends are obvious in the water quality data.

Mine Backfill Wells (171, 173, 180):

The water levels continue to fall. The rate of fall is less than at the TDSS wells closest to the backfill which indicates the seepage mound is becoming flatter as expected. This flattening should express itself as a reduction in the seepage rate.

The EPRCO 1982 study found that Highland shales and sandstones attenuate seepage constituents. The backfill is a mixture of shales and sandstones. This accounts for the generally better water quality in the mine backfill than at the TDSS wells.

Since the mine backfill contains low grade mineralized materials, elevated Uranium, Thorium 230 and Radium concentrations can be expected in some saturated zones. This is seen at well 180. The concentrations are higher than at wells 114 and 175 which are much closer to the

basin. The lower concentrations at the TDSS wells indicates that the higher well 180 concentrations are not due to radionuclides in the tailings seepage .

Highland Reservoir (167):

The reservoir water level continues to rise at nearly 6 feet per year. The water quality reflects no significant impact from tailings seepage.

Summary:

The application of significant resources to seepage mitigation since November 1989 has reduced the mass in the TDSS aquifer of potentially hazardous constituents by about 16.5 kilograms of non-radioactive and 594 microcuries of radioactive material. Some 80% of the radioactive material is Natural Uranium of which 0.7 kilograms has been removed. The average seepage water pumped to the evaporation lagoons in 1991 met all the Table 5C limits found in Appendix A of 10CFR Part 40.

Most of the concentrations of potentially hazardous constituents are now below the license standards. Those that still exceed the standards regularly are at or below proposed EPA water protection standards for municipal drinking water. Nickel at well 175 is the one obvious exception. However, the Nickel is confined to the area between the nearby mine backfill and the basin. The backfill serves as an effective barrier to further Nickel migration. The backfill has virtually no potential for water development because of low permeability.

The tailings seepage has not impacted the concentrations of potentially hazardous constituents in Highland Reservoir. The water levels in the TDSS, mine backfill and ore sand wells are dropping. The drop in the TDSS well water levels since 1984 has been quite large and continues at about one foot per year.

Please call me at (713) 978-5438 if there are any questions on this report.

Yours truly,

David M. Range
Staff Environmental Engineer

DMR:an
Attachment
c: L. Davis - WWL
J.D. Patton

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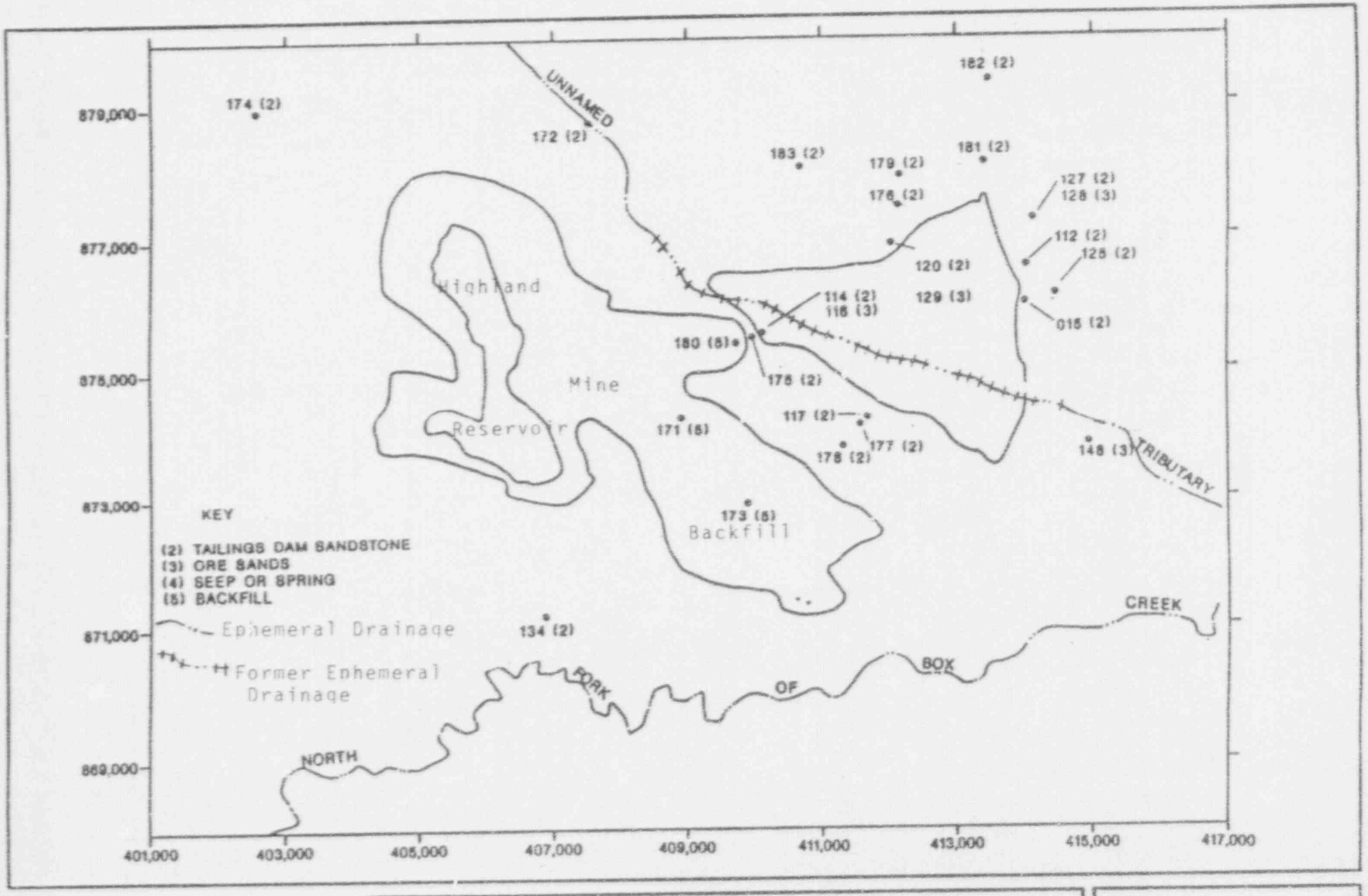

MAP 1

GROUND WATER MONITORING NETWORK

Date: January 1991

Project: Highland

ATTACHMENT 1
Exxon Coal and Minerals Company
Highland Reclamation Project
Seepage Mitigation Project
Volume pumped from Mitigation Wells

Date	Monthly Total Volume Pumped (K Gallons) 114	117	175	177	178
Pre-Dec. 89	0	0	0	0	0
Dec. 89	2	111	124	93	97
Total 1989 and Total Project	2	111	124	93	97
Jan. 90	0	98	113	98	99
Total Project	2	209	237	191	196
Feb. 90	0	99	93	87	72
Total Project	2	308	330	278	268
March 90	0	114	78	58	74
Total Project	2	422	408	336	342
April 90	0	11	6	11	7
Total Project	2	433	414	347	349
May 90	0	6	5	5	2
Total Project	2	439	419	352	351
June 90	0	112	112	95	45
Total Project	2	551	531	447	396
July 90	0	116	112	94	37
Total Project	2	667	643	541	433

ATTACHMENT 1 CONTINUED
Volume Pumped From Mitigation Wells

Date	Monthly Total Volume Pumped (K Gallons) 114	117	175	177	178
Aug. 90	0	112	74	98	67
Total Project	2	779	717	639	500
Sept. 90	0	95	115	95	114
Total Project	2	874	832	734	614
Oct. 90	0	47	119	56	34
Total Project	2	921	951	790	648
Nov. 90	0	73	101	91	24
Total Project	2	944	1052	881	672
Dec. 90	0	100	100	27	24
Total 1990	0	983	1028	815	600
Total Project	2	1094	1152	908	697
Jan. 91	0	102	125	27	75
Total Project	2	1196	1277	935	772
Feb. 91	0	66	104	25	52
Total Project	2	1262	1381	960	824
Mar. 91	0	85	112	25	17
Total Project	2	1347	1493	1185	841
Apr. 91	0	95	106	16	8
Total Project	2	1442	1599	1201	849

ATTACHMENT 1 CONTINUED
Volume Pumped From Mitigation Wells

Date	Monthly Total Volume Pumped (K Gallons) 114	117	175	177	178
May 91	0	49	94	15	12
Total Project	2	1491	1693	1216	861
June 91	0	48	88	10	14
Total Project	2	1539	1781	1226	875
July 91	0	103	88	32	17
Total Project	2	1642	1869	1258	892
Aug 91	0	59	80	35	35
Total Project	2	1701	1949	1293	927
September 91	0	44	117	54	60
Total Project	2	1745	2066	1347	987
October 91	0	67	104	33	34
Total Project	2	1812	2170	1380	1021
November 91	0	90	91	12	8
Total Project	2	1902	2261	1392	1029
December 91	0	14	106	8	6
Total 1991	0	933	1038	532	387
Total Project	2	1916	2367	1400	1035

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Attachment 2
Concentration And Mass Of Constituents Removed From Aquifer

1991 Well	117	175	177	178	Total
Volume Liquid Removed (K Gallons)	933	1038	532	387	2890
Arsenic					
License Standard (mg/l) 0.05					
1991 Average (mg/l)	<0.001	<0.001	<0.001	<0.001	
Removed from Aquifer (gram)	0	0	0	0	0
Cadmium					
License Standard (mg/l) 0.01					
1991 Average (mg/l)	<0.010	<0.010	<0.010	<0.010	
Removed from Aquifer (gram)	0	0	0	0	0
Chromium					
License Standard (mg/l) 0.05					
1991 Average (mg/l)	<0.05	<0.05	<0.055	<0.05	
Removed from Aquifer (gram)	0	0	<110	0	< 110
Gross Alpha					
License Standard (pCi/l) 15.0					
1991 Average (pCi/l)	< 2.0	< 2.7	1.0	2.8	
Removed from Aquifer (uCi)	0	0	0	0	0
Lead					
License Standard (mg/l) 0.05					
1991 Average (mg/l)	< 0.05	< 0.05	< 0.05	< 0.05	
Removed from Aquifer (gram)	0	0	0	0	0
Nickel					
License Standard (mg/l) 0.02					
1991 Average (mg/l)	< 0.035	1.145	<0.115	<0.035	
Removed from Aquifer (gram)	< 124	4480	<240	<51	<4,895
Radium 226 & 228					
License Standard (pCi/l) 5.0					
1991 Average (pCi/l)	< 3.35	6.4	<2.4	<3.45	
Removal from Aquifer (uCi)	0	25	0	0	25
Selenium					
License Standard (mg/l) 0.01					
1991 Average (mg/l)	<0.005	<0.001	<0.001	<0.001	
Removed from Aquifer (gram)	0	0	0	0	0

Attachment 2 Continued
Concentration And Mass Of Constituents Removed From Aquifer

1991

Well	117	175	177	178	Total
Volume Liquid Removed (K Gallons)	933	1038	532	387	2890
Thorium 230					
License Standard (pCi/l) 0.55					
1991 Average (pCi/l)	<0.20	<0.2	<0.2	<0.2	
Removed from Aquifer (uCi/l)	0	0	0	0	0
Uranium					
License Standard (pCi/l) 0.43					
1991 Average (pCi/l)	49	<1.0	28	1.2	
Removed from Aquifer (uCi)	173	<4	56	2	<235
Total Dissolved Solids					
License Standard (mg/l) No Limit					
1991 Average (mg/l)	4505	6049	4687	4525	
Removed from Aquifer (Metric Tons)	16	24	9	7	56

1991

Total Kg Potentially Hazardous Constituents Removed 1991	< 5.1
Total uCi Potentially Hazardous Constituents Removed 1991	< 260
Total Metric Tons Total Dissolved Solids Removed 1991	56

Since Pumping Began in 1989

Total Kg Potentially Hazardous Constituents Removed	< 16.5
Total uCi Potentially Hazardous Constituents Removed	< 594
Total Metric Tons Total Dissolved Solids Removed	120

Please note that constituents are only considered removed from the aquifer in the 1991 data if their concentration exceeded the license standard. This is because it only necessary to remove them by pumping if they exceeded the standard.

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ATTACHMENT 3A TDSS COMPLIANCE MONITOR WELLS

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
125	TDH XXVI	02/29/88	7.4	3614	1650	190			< 0.001				1.20	< 0.001		0.70			0.70	0.70
		05/31/88	7.5	3784	2300	195			< 0.001				1.00	0.007		3.50			0.50	18.00
		08/30/88	7.3	3298	1790	208			< 0.001				1.30	0.049		0.20			0.90	63.00
		09/15/88	7.3	3567	1810	211		3.38	< 0.001	0.007	0.060	0.080	0.09	0.038	3.5	0.80	1.20	2.00	0.40	59.00
		09/29/88	7.4	3565	1670	211		2.85	< 0.001	0.009	< 0.010	< 0.020	< 0.05	0.331	1.6	0.30	3.40	3.70	0.50	59.00
		10/15/88	7.6	3117	1380	211	283	2.67	< 0.001	0.008	< 0.010	< 0.020	< 0.05	0.049	3.0	0.70	3.10	3.80	0.80	58.00
		11/28/88	7.6	3108	1780	398			< 0.001				1.10	0.049		1.90			1.20	38.00
	Average 1988		7.5	3456	1769	219	283	2.97	< 0.001	0.008	< 0.003	< 0.040	< 0.68	0.075	2.7	1.16	2.57	3.17	0.71	42.29
		02/23/89	7.5	3141	1480	209	317	1.77	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.032	1.9	1.50	1.70	3.20	0.50	29.00
		05/22/89	7.6	2747	1710	215	369	0.46	0.002	0.012	< 0.0	< 0.020	< 0.05	< 0.001	1.2	0.30	1.20	1.50	0.40	26.00
		07/18/89	7.5	2414	1840	180	249	1.24	< 0.001	0.003	< 0.0	< 0.020	< 0.05	0.038	1.6	1.00	0.70	1.70	0.70	34.00
		10/19/89	7.4	2672	1570	230	340	0.65												
	Average 1989		7.5	2744	1650	208	318	1.03	< 0.002	< 0.006	< 0.010	< 0.020	< 0.05	< 0.026	1.4	0.93	1.20	2.13	0.53	29.70
		01/22/90	7.3	2871	1380	145	232	< 0.01	< 0.001	0.010	< 0.010	< 0.020	< 0.05	0.008	1.5	0.90	2.60	3.50	0.70	22.00
		05/02/90	7.7	2228	1140	125	152	0.29												
		08/23/90	7.5	2506	1500	145	227	0.43	0.001	0.004	< 0.010	< 0.020	< 0.05	< 0.001	2.5	0.40	1.50	1.90	0.20	32.00
		10/18/90	7.5	2667	1300	140	228	0.28												
	Average 1990		7.4	2568	1330	139	210	< 0.25	< 0.001	0.007	< 0.010	< 0.020	< 0.05	< 0.005	2.0	0.65	2.55	3.20	0.45	27.00
		01/10/91	7.2	2568	1531	117	235	0.04	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	< 1.0	< 0.20	< 1.00	< 1.20	< 0.20	30.70
		04/18/91	7.4	2526	1390	110	225	0.50												
		07/03/91	7.4	2405	1249	109	214	0.04	0.002	< 0.010	< 0.050	< 0.020	< 0.05	< 0.001	< 1.0	0.70	< 1.00	< 1.70	< 0.20	40.30
		10/10/91	7.4	2370	1279	106	194	0.16												
	Average 1991		7.3	2467	1362	110	217	0.19	< 0.002	< 0.010	< 0.050	< 0.035	< 0.05	< 0.001	< 1.0	< 0.45	< 1.00	< 1.45	< 0.20	35.50
175	TDH XLI	08/17/88	6.2	5685	2920	455		0.12	< 0.001	0.009	0.520	0.720	0.12	< 0.001	5.1	2.10	2.60	4.70	1.00	0.20
		09/01/88	6.2	5420	2940	449		0.92	0.001	0.010	0.580	0.730	0.16	< 0.001	8.1	1.10	10.00	11.10	0.30	2.10
		09/14/88	6.2	5298	3420	331		0.03	< 0.001	0.010	< 0.010	0.810	< 0.05	0.003	3.6	1.50	5.80	7.30	0.40	0.30
		09/28/88	6.4	4929	3270	376	291	0.12	< 0.001	0.012	0.550	0.830	0.08	< 0.001	8.2	1.00	9.40	10.40	0.60	0.70
	Average 1988		6.2	5133	3138	403	291	0.30	< 0.001	0.010	< 0.415	0.772	< 0.11	< 0.002	5.8	1.43	6.95	8.38	0.58	0.83

ATTACHMENT 3A TDSS COMPLIANCE MONITOR WELLS

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
175	TDM XLI	01/12/89	6.5	5810	3950	410	279	0.35	< 0.001	0.012	0.200	0.900	< 0.05	0.007	7.1	2.10	6.20	8.30	1.00	0.80
		04/25/89	6.4	5766	3600	480	299	0.24	< 0.001	0.014	0.770	0.720	< 0.05	< 0.001	2.3	0.60	1.50	2.10	0.90	< 0.20
		07/14/89	6.4	5393	3000	410	284	0.07	< 0.001	0.011	0.460	0.730	< 0.05	0.001	1.6	1.30	0.80	2.10	0.90	0.30
		10/20/89	6.4	5542	3980	420	360	0.04												
		12/12/89	6.4	5526	2200	420	314	0.13	< 0.001	0.014	2.030	1.130	< 0.05	< 0.001	4.9	1.60	3.30	4.90	1.00	0.40
	Average 1989		6.4	5607	3346	428	307	0.17	< 0.001	0.013	0.850	0.870	< 0.05	< 0.003	4.0	1.40	2.95	4.35	0.95	< 0.42
		01/16/90	6.1	3924	2480	430	324	< 0.01	< 0.001	0.014	1.970	1.190	< 0.05	0.001	1.5	1.30	1.60	2.90	1.50	0.90
		05/03/90	6.2	6080	3360	400	308	< 0.01												
		08/22/90	6.2	5864	3140	395	316	0.49	0.001	0.013	0.490	0.990	< 0.05	0.001	6.0	1.10	1.90	3.00	0.10	< 0.20
		10/19/90	6.2	7056	3850	384	274	0.43												
	Average 1990		6.2	5731	3208	402	306	< 0.24	< 0.001	0.014	1.230	1.090	< 0.05	0.001	3.8	1.20	1.75	2.95	0.80	< 0.55
		01/13/91	6.4	6722	4092	356	374	< 0.01	< 0.001	< 0.010	< 0.050	1.090	< 0.05	< 0.001	4.4	2.00	5.40	7.40	< 0.20	< 0.20
		04/21/91	6.1	7145	4139	369	315	< 0.01												
		07/03/91	6.1	6235	4091	346	394	< 0.01	< 0.001	< 0.010	< 0.050	1.300	< 0.05	< 0.001	< 1.0	0.90	4.60	5.40	< 0.20	1.80
		10/16/91	6.1	4097	2260	364	315	< 0.01												
	Average 1991		6.2	6049	3641	359	350	< 0.01	< 0.001	< 0.010	< 0.050	1.145	< 0.05	< 0.001	< 2.7	1.45	5.00	6.40	< 0.20	< 1.00
176	TDM XLII	08/23/88	8.0	2546	950	175		0.44	< 0.001	0.003	< 0.010	0.050	< 0.05	< 0.001	4.1	1.30	2.40	3.70	1.10	0.05
		09/07/88	8.4	2345	1270	180		0.36	< 0.001	0.005	< 0.010	< 0.020	< 0.05	< 0.001	3.8	0.90	3.90	4.80	0.50	0.05
		09/21/88	8.2	2524	1410	185		0.13	< 0.001	0.007	< 0.010	0.040	< 0.05	< 0.001	3.1	1.10	3.60	4.70	0.60	1.20
		10/05/88	8.4	2390	1500	172	193	0.25	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	6.3	2.10	4.80	6.90	0.90	1.30
	Average 1988		8.2	2431	1282	178	195	0.30	< 0.001	< 0.005	< 0.010	< 0.032	< 0.05	< 0.001	4.3	1.35	3.68	5.03	0.78	0.65
		01/18/89	8.0	2641	1580	182	197	0.39	< 0.001	0.006	< 0.010	0.140	< 0.05	0.004	5.6	1.90	5.00	6.90	0.50	1.70
		04/26/89	8.2	2491	1880	215	195	< 0.01	< 0.001	0.007	< 0.010	< 0.020	< 0.05	< 0.001	3.0	0.90	2.00	2.90	0.20	< 0.20
		07/17/89	8.1	2546	1540	250	198	0.17	< 0.001	0.006	< 0.010	< 0.020	< 0.05	0.001	1.4	1.10	0.90	2.00	0.60	0.80
		10/23/89	8.3	2645	1570	205	204	0.09												
	Average 1989		8.2	2581	1642	213	198	< 0.16	< 0.001	0.006	< 0.010	< 0.060	< 0.05	< 0.002	3.3	1.30	2.67	3.93	0.43	< 0.90

ATTACHMENT 3A TDSS COMPLIANCE MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (ug/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
176	TDM XLII	01/17/90	8.0	2066	1650	190	205	< 0.01	< 0.001	0.012	< 0.010	0.030	< 0.05	0.001	1.6	1.30	2.00	2.30	0.20	0.30
		04/24/90	7.6	2706	1100	375	238	0.08												
		08/24/90	8.1	2576	1500	172	206	0.03	< 0.001	0.008	0.030	< 0.020	< 0.05	< 0.001	2.2	0.60	2.30	2.90	0.20	< 0.20
		10/18/90	8.0	2796	1350	198	201	< 0.01												
	Average 1990		7.9	2536	1400	234	212	< 0.04	< 0.001	0.010	< 0.020	< 0.025	< 0.05	< 0.001	1.9	0.95	2.15	2.60	0.20	< 0.25
		01/11/91	7.8	2695	1631	178	210	0.01	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	1.8	0.20	< 1.00	< 1.20	1.40	< 0.20
		04/18/91	7.3	2732	1548	182	160	< 0.01												
		07/03/91	7.0	2742	1483	187	207	< 0.01	< 0.001	< 0.010	< 0.050	< 0.020	< 0.05	< 0.001	< 1.0	0.30	< 1.00	< 1.30	< 0.20	2.40
		10/10/91	7.5	2884	1538	181	194	< 0.01												
	Average 1991		7.4	2763	1625	182	193	< 0.01	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	< 0.001	< 1.4	0.25	< 1.00	< 1.25	< 0.80	< 1.30
177	TDM XLIII	08/22/88	6.1	4974	2080	325		< 0.01	< 0.001	0.010	< 0.010	0.110	< 0.05	< 0.001	3.0	1.60	2.00	3.60	1.20	43.00
		09/07/88	6.1	4450	2250	308		0.40	< 0.001	0.016	< 0.010	0.120	< 0.05	< 0.001	3.6	0.80	4.30	5.10	0.50	69.00
		09/21/88	6.3	4526	2510	290		0.12	< 0.001	0.013	< 0.010	0.150	< 0.05	0.001	2.9	1.00	6.50	7.50	0.50	62.00
		10/18/88	6.3	5349	2470	338	283	0.15	< 0.001	0.011	< 0.010	0.140	< 0.05	< 0.001	2.8	1.20	6.90	8.10	1.00	41.00
	Average 1988		6.2	4825	2328	315	283	< 0.17	< 0.001	0.012	< 0.010	0.130	< 0.05	< 0.001	3.1	1.15	4.92	6.07	0.80	53.75
		01/11/89	6.5	4167	2800	282	283	0.75	< 0.001	0.011	< 0.010	< 0.020	< 0.05	0.002	4.6	1.80	5.70	7.50	0.70	64.00
		04/24/89	6.4	4037	3050	460	277	0.25	< 0.001	0.011	< 0.010	< 0.020	< 0.05	< 0.001	4.0	1.60	2.40	4.00	1.80	20.00
		07/13/89	6.4	4636	2690	320	273	0.14	< 0.001	0.008	< 0.010	< 0.020	< 0.05	0.003	2.0	1.80	1.20	3.00	1.40	64.00
		10/20/89	6.4	4432	2650	310	350	0.18												
		12/18/89	6.4	4355	2290	310	280	0.44	< 0.001	0.015	0.040	0.090	< 0.05	< 0.001	3.0	1.40	1.60	3.00	1.10	47.00
	Average 1989		6.4	4425	2696	336	293	0.35	< 0.001	0.011	< 0.018	< 0.038	< 0.05	< 0.002	3.4	1.65	2.72	4.37	1.25	48.80
		01/18/90	6.3	5105	2400	290	274	< 0.01	< 0.001	0.015	< 0.010	0.060	< 0.05	0.001	2.1	1.40	1.60	3.00	0.60	36.00
		05/30/90	5.9	5022	2880	320	317	2.36												
		08/24/90	6.6	3783	2170	275	293	0.13	< 0.001	0.009	0.040	0.070	< 0.05	< 0.001	6.1	1.60	2.10	3.70	0.20	25.00
		10/19/90	6.5	4624	2500	265	277	0.14												
	Average 1990		6.3	4134	2488	288	290	< 0.66	< 0.001	0.012	< 0.025	0.065	< 0.05	< 0.001	4.1	1.50	1.85	3.35	0.40	30.50

ATTACHMENT 3A TDSS COMPLIANCE MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Gro Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
177	TDM XL111	01/13/91	6.2	4809	2905	264	322	0.04	< 0.001	< 0.010	0.060	0.200	< 0.05	< 0.001	0.9	0.70	< 1.00	< 1.70	< 0.20	22.50
		04/21/91	6.6	4638	2446	258	248	0.04												
		07/05/91	6.4	4647	2476	257	269	< 0.01	< 0.001	< 0.010	< 0.050	< 0.020	< 0.05	< 0.001	1.0	1.20	1.80	3.00	< 0.20	34.10
		10/14/91	6.4	4654	2413	292	271	0.39												
	Average 1991		6.4	4687	2560	268	278	< 0.12	< 0.001	< 0.010	< 0.055	< 0.110	< 0.05	< 0.001	1.0	0.95	< 1.40	< 2.35	< 0.20	28.30

ATTACHMENT 3B TDSS MONITOR WELLS

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
015	TDM WELL D	01/27/88	6.9	3674	1420	265			< 0.001				0.80	0.002		1.70			0.70	69.00
		04/30/88	6.9	4273	1900	290			< 0.001				1.00	0.001		2.60			0.80	87.00
		07/20/88	6.9	4221	1660	380			< 0.001				0.00	0.007		1.70			2.50	186.00
		08/30/88	6.9	3423	1950	273		0.83	< 0.001	0.007	0.030	0.040	0.09	0.002	1.5	0.90	2.60	3.50	0.40	52.00
		09/14/88	6.8	3811	1850	308		0.64	< 0.001	0.009	< 0.010	0.060	0.09	0.001	1.7	1.20	2.20	3.40	0.60	51.00
		09/28/88	6.9	3819	1810	300	263	0.38	0.001	0.007	< 0.010	0.040	0.08	0.001	1.6	1.50	2.00	3.50	0.90	44.00
		10/25/88	6.9	4201	2300	360	245	0.72	< 0.001	0.007	< 0.010	< 0.020	< 0.05	0.008	3.1	1.50	2.90	3.50	2.40	51.00
	Average 1988		6.9	3889	1599	311	254	0.64	< 0.001	0.008	< 0.020	< 0.040	< 0.30	0.003	2.8	1.60	2.20	3.50	1.20	77.00
		01/27/89	7.4	3230	1990	346	257	0.33	< 0.001	0.007	< 0.010	0.060	< 0.05	0.001	4.3	1.80	3.20	5.00	0.70	88.00
		04/28/89	7.2	3923	2180	280	268	0.29	< 0.001	0.006	0.010	< 0.020	< 0.05	< 0.001	2.8	1.40	1.20	2.60	1.40	27.00
		07/18/89	7.4	3062	1830	270	260	0.48	< 0.001	< 0.005	< 0.010	0.040	< 0.05	0.001	1.6	1.20	0.90	2.10	0.80	42.00
		10/19/89	7.4	3296	1700	265	310	0.2												
	Average 1989		7.4	3378	1925	290	274	0.34	< 0.001	< 0.006	< 0.010	< 0.040	< 0.05	< 0.001	2.9	1.50	1.77	2.45	0.97	52.00
		01/19/90	7.0	1724	.500	290	271	<0.01	< 0.001	0.013	< 0.010	< 0.020	< 0.05	0.001	1.7	1.30	2.00	3.30	0.30	69.00
		05/01/90	7.2	3540	1780	255	243	0.08												
		08/23/90	Not Enough Water to Sample																	
		11/08/90	7.1	3610	1560	275	278	0.10												
	Average 1990		7.1	2958	1647	273	264	< 0.05	< 0.001	0.013	< 0.010	< 0.020	< 0.05	0.001	1.7	1.30	2.00	3.30	0.30	69.00
		01/10/91	7.1	4059	2225	261	264	< 0.01	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	3.1	1.50	10.40	11.90	< 0.20	162.80
		04/18/91	7.0	3972	2009	256	264	0.10												
		06/30/91	Not Enough Water to Sample																	
		10/07/91	Well Dry																	
	Average 1991		7.0	4016	2117	258	264	< 0.06	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	3.1	1.50	10.40	11.90	< 0.20	162.80
112	TDM VII	01/30/88	7.1	3479	1340	206			< 0.001	0.004	< 0.010		< 0.05	0.100		0.90			0.70	0.10
		04/30/88	7.1	3432	1640	220			0.001	0.007	< 0.010		< 0.05	< 0.001		1.20			2.10	29.00
		07/18/88	7.0	3715	1500	215			< 0.001	0.012	0.030		< 0.05	0.195		0.80			1.00	15.00
		08/31/88	7.3	3487	1750	242		0.28	< 0.001	0.006	0.020	< 0.020	< 0.05	0.139	2.5	0.70	4.1*	4.80	0.30	33.00
		09/15/88	7.1	3748	1910	202		1.16	0.005	0.008	< 0.010	0.030	0.06	0.096	2.2	1.30	5.60	6.90	0.30	20.00
		09/29/88	7.2	3977	1780	211	252	1.11	0.001	0.008	< 0.010	0.040	< 0.05	0.181	4.6	1.40	3.50	4.90	0.70	17.00
		10/14/88	7.2	4392	1770	220		1.22	< 0.001	0.008	< 0.010	< 0.020	< 0.05	0.172	6.2	0.60	4.60	1.00	1.00	11.00
	Average 1988		7.1	3747	1699	217	252	0.94	< 0.002	0.008	< 0.014	< 0.028	< 0.05	< 0.126	3.7	0.99	4.45	5.53	0.87	18.00

ATTACHMENT 3B TDSS MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNCT (pCi/l)
112	TDM VII	01/26/89	7.2	3208	1990	319	245	16.90	< 0.001	0.007	< 0.010	0.030	< 0.05	0.097	1.9	1.50	4.00	5.50	0.60	18.00
		04/27/89	7.5	3192	1810	260	250	12.20	< 0.001	0.007	< 0.010	< 0.020	< 0.05	< 0.001	2.3	0.90	2.00		0.30	4.90
		07/18/89	7.3	3045	1830	260	244	13.30	< 0.001	0.010	< 0.010	0.060	< 0.05	0.260	1.7	1.40	0.80			6.50
		10/19/89	7.0	3108	1930	230	309	12.00												
	Average 1989		7.3	3138	1883	267	262	14.00	< 0.001	0.008	< 0.010	< 0.037	< 0.05	< 0.119	1.3	1.27	2.27	5.50	0.45	9.80
		01/10/90	7.0	2350	1630	220	259	11.80	< 0.001	0.012	< 0.010	< 0.020	< 0.05	0.177	1.4	1.20	3.30	4.50	0.10	11.00
		05/01/90	7.2	3528	1730	225	227	11.80												
		08/23/90	7.3	3203	1520	202	263	4.47	0.001	0.009	< 0.010	< 0.020	< 0.05	0.169	2.8	0.70	1.60	2.30	0.20	10.00
		10/19/90	7.0	3578	1680	216	253	3.09												
	Average 1990		7.1	3185	1640	216	250	7.79	< 0.001	0.011	< 0.010	< 0.020	< 0.05	0.173	2.1	0.95	2.45	3.40	0.15	10.50
		01/11/91	7.1	3675	2043	207	249	11.50	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	0.148	1.0	0.60	4.20	4.80	< 0.20	10.00
		04/18/91	7.2	3874	2094	193	253	19.80												
		07/04/91	7.1	3671	2028	201	262	12.20	< 0.001	< 0.010	< 0.050	< 0.026	< 0.05	0.164	< 1.0	0.30	1.60	1.90	< 0.20	25.30
		10/10/91	7.3	3845	2039	204	246	6.80												
	Average 1991		7.1	3766	2051	201	253	12.58	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	0.156	< 1.0	0.45	2.90	3.35	< 0.20	17.65
114	TDM IX	01/30/88	6.5	6616	3700	360			< 0.001	0.013	< 0.100		< 0.05	0.007		1.50			0.60	< 0.10
		04/30/88	6.3	7203	5400	400			< 0.001	0.013	0.010		< 0.05	0.005		1.40			1.30	< 0.70
		07/14/88	6.1	5899	2140	275			< 0.001	0.016	0.020			0.09	0.014	1.30			1.50	0.20
		08/25/88	6.1	6310	4420	387		0.03	< 0.001	0.008	0.610	0.710		0.08	< 0.001	3.4	0.70	5.40	6.10	0.50	0.10
		09/15/88	6.0	7240	5300	388		< 0.01	< 0.001	0.011	0.620	0.820		0.10	0.006	0.7	0.90	6.80	7.70	0.70	< 0.05
		09/29/88	6.0	7245	5140	376		0.12	< 0.001	0.012	0.600	0.020		0.11	< 0.001	12.5	0.80	6.80	7.60	0.40	1.00
		10/14/88	6.1	6802	5010	359	339	0.37	< 0.001	0.020	0.120	< 0.020	< 0.05	< 0.001	10.1	1.30	8.80	10.10	0.80	< 0.05
	Average 1988		6.2	6755	4444	364	339	< 0.14	< 0.001	0.013	< 0.297	< 0.390	< 0.08	< 0.005	6.7	1.13	6.95	7.88	0.83	< 0.17
		01/26/89	6.3	5394	4420	391	302	0.17	< 0.001	0.010	0.200	0.510	< 0.05	0.004	3.2	1.50	4.00	5.50	0.70	1.10
		04/26/89	6.4	5342	7050	390	328	< 0.01	< 0.001	0.010	0.790	0.690	< 0.05	0.002						
		07/14/89	6.3	6797	4300	400	313	0.28	< 0.001	0.010	0.470	0.410	< 0.05	0.002	1.4	1.10	0.90	2.00	0.80	< 0.20
		10/23/89	6.2	6676	3980	390	390	0.17												
		12/12/89	6.1	5861	2350	400	313	0.01	< 0.001	0.014	2.080	1.170	< 0.05	< 0.001	2.9	1.00	3.60	4.60	1.80	< 0.20
	Average 1989		6.3	6014	4420	394	329	< 0.13	< 0.001	0.011	0.865	0.700	< 0.05	< 0.003	2.5	1.20	2.83	4.03	1.10	< 0.50

ATTACHMENT 3B TDSS MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Gro Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
114	TDM IX	01/16/90	5.8	3347	3260	420	328	< 0.01	< 0.001	0.013	1.880	1.200	< 0.05	< 0.001	2.6	1.40	3.60	5.00	0.80	< 0.20
		05/03/90	6.2	6086	3940	600	286	< 0.01												
		08/24/90	6.3	5634	3100	400	318	0.50	0.001	0.012	0.500	0.970	< 0.05	0.002	4.3	1.80	1.60	3.40	0.30	< 0.20
		10/19/90	6.3	6306	3600	340	279	0.13												
	Average 1990		6.2	5343	3475	450	303	< 0.16	< 0.001	0.012	1.190	1.089	< 0.05	< 0.002	3.4	1.60	2.60	4.20	0.55	< 0.20
		01/13/91	5.7	7232	4757	320	368	< 0.01	< 0.001	< 0.010	< 0.050	1.170	< 0.05	< 0.001	5.3	3.20	7.40	10.60	< 0.20	< 0.20
		04/18/91	6.1	6673	4017	343	338	< 0.01												
		07/04/91	6.1	5187	3209	303	336	< 0.01	< 0.001	< 0.010	< 0.050	0.700	< 0.05	< 0.001	< 1.0	0.70	< 1.00	< 1.70	< 0.20	< 0.20
		10/14/91	6.2	6582	4059	232	304	< 0.01												
	Average 1991		6.0	5419	4011	300	337	< 0.01	< 0.001	< 0.010	< 0.050	0.935	< 0.05	< 0.001	< 3.2	1.95	< 4.20	< 6.15	< 0.20	< 0.20
117	TDM XII	01/30/88	6.3	4514	[illegible]	270			< 0.001	0.013	< 0.010		< 0.05	0.004		1.60			0.66	0.29
		04/30/88	6.4	4933	[illegible]	300			0.003	0.014	< 0.010		< 0.05	0.004		2.10			1.40	57.00
		07/18/88	6.2	5044	1970	265			< 0.001	0.017	0.050		0.09	0.007		3.00			1.20	44.00
		08/25/88	6.2	4414	2320	299		0.15	0.001	0.008	< 0.010	0.070	0.08	< 0.001	4.3	1.50	6.50	8.00	1.00	55.00
		09/09/88	6.2	5064	2350	308		0.20	0.001	0.012	< 0.010	0.090	0.10	0.001	3.5	1.20	2.70	3.90	0.50	60.00
		09/23/88	6.2	4243	2740	308		0.11	< 0.001	0.011	0.020	0.020	0.06	< 0.001	5.1	1.30	6.70	8.00	0.40	51.00
		10/13/88	6.2	4664	2360	352	275	0.26	< 0.001	0.010	< 0.010	< 0.020	< 0.05	< 0.001	11.8	1.40	7.70	9.10	0.60	28.00
	Average 1988		6.2	4697	2380	300	275	0.18	< 0.002	0.012	< 0.015	< 0.050	< 0.07	< 0.003	6.2	1.70	5.90	7.25	0.82	42.17
		04/26/89	6.4	3676	2510	305	277	< 0.01	0.002	0.016	< 0.010	< 0.020	< 0.05	< 0.001	5.3	1.10	1.80	2.70	1.20	24.00
		07/13/89	6.3	4214	2650	350	267	0.30	< 0.001	0.008	< 0.010	0.090	< 0.05	0.003	1.7	1.20	0.60	1.80	0.90	14.00
		10/20/89	6.4	3941	2560	295	340	0.16												
		12/18/89	6.4	3277	2150	350	282	0.24	< 0.001	0.013	0.040	0.090	< 0.05	< 0.001	3.2	1.40	1.90	3.30	1.40	46.00
	Average 1989		6.4	3577	2468	325	292	< 0.18	< 0.002	0.012	< 0.020	< 0.065	< 0.05	< 0.002	2.7	1.23	1.43	2.66	1.17	28.00

ATTACHMENT 3B TDSS MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Ra (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Gro Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
117	TDM XII	01/18/90	6.2	2812	2120	318	273	< 0.01	< 0.001	0.012	< 0.010	< 0.020	< 0.05	0.001	2.9	1.25	3.30	4.50	1.70	22.00
		05/03/90	6.3	4344	2260	255	256	< 0.01												
		08/22/90	6.5	3698	1750	228	269	0.08	< 0.001	0.009	< 0.010	0.070	< 0.05	< 0.001	2.0	0.80	1.30	2.10	0.20	19.00
		10/19/90	6.4	4339	2380	260	267	0.08												
	Average 1990		6.4	3798	2128	263	266	< 0.05	< 0.001	0.010	< 0.010	< 0.045	< 0.05	< 0.001	2.9	1.00	2.30	3.30	0.95	20.50
		01/13/91	6.6	4384	2949	245	264	0.37	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	3.1	0.60	4.70	5.30	< 0.20	45.10
		04/21/91	6.3	4631	2531	249	271	1.20												
		07/04/91	6.5	4455	2304	246	244	0.10	< 0.001	0.010	< 0.050	< 0.020	< 0.05	0.010	< 1.0	0.40	< 1.00	< 1.40	< 0.20	52.80
		10/14/91	6.5	4549	2448	276	235	0.45												
	Average 1991		6.4	4505	2448	254	254	0.53	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	< 0.005	< 2.0	0.50	< 2.85	< 3.35	< 0.30	48.95
120	TDM XXI	01/30/88	7.0	3736	1460	260		< 0.01	0.002	0.008	< 0.010		< 0.05	0.004		1.40			0.50	0.20
		04/30/88	7.0	2844	1850	280			< 0.001	0.009	< 0.010		< 0.05	0.002		1.10			2.50	28.00
		07/13/88	7.2	2990	1660	235			< 0.001	0.015			0.09	0.002		1.40			1.10	< 0.50
		08/25/88	6.9	3286	1610	273		0.44	0.002	0.007	0.040	< 0.020	0.08	< 0.001	3.3	0.40	3.90	4.30	0.60	80.00
		09/09/88	6.9	4090	2050	273		0.44	0.003	0.010	< 0.010	0.070	0.09	0.001	4.1	0.70	2.90	3.60	0.60	42.00
		09/23/88	7.0	2766	1670	277		0.15	0.002	0.010	< 0.010	< 0.020	0.06	< 0.001	3.2	0.80	3.70	4.50	0.50	57.00
		10/13/88	7.0	3584	1610	280	168	0.68	< 0.001	0.010	0.010	< 0.020	< 0.05	0.003	5.2	0.70	6.10	6.80	0.30	65.00
	Average 1988		7.0	3314	1701	268	168	< 0.34	< 0.002	0.010	< 0.010	< 0.040	< 0.07	< 0.002	4.0	0.93	4.15	4.80	0.90	< 48.81
		01/27/89	7.2	2586	1700	346	168	0.29	0.002	0.007	< 0.010	0.030	< 0.05	< 0.001	3.1	1.30	3.70	5.00	0.40	31.00
		04/25/89	7.2	2978	1980	290	164	< 0.01	0.002	0.007	0.060	0.036	< 0.05	< 0.001	3.4	0.60	2.70	3.30	0.96	24.99
		07/17/89	7.2	3033	1460	270	160	0.07	0.003	0.004	< 0.010	0.040	< 0.05	< 0.001	1.4	0.90	0.60	1.50	0.50	16.00
		10/19/89	7.2	3187	1900	240	165	< 0.01												
	Average 1989		7.2	2946	1760	287	164	< 0.10	0.002	0.006	0.040	0.033	< 0.05	< 0.001	2.6	0.93	2.33	3.27	0.62	27.00
		01/16/90	6.9	2171	1600	240	158	< 0.01	0.001	0.011	< 0.010	< 0.020	< 0.05	0.001	2.7	1.00	2.30	3.30	1.50	21.00
		04/24/90	7.4	2182	1760	310	196	< 0.01												
		08/23/90	7.1	3397	1610	265	184	0.20	0.005	0.005	0.040	0.030	< 0.05	< 0.001	4.3	1.10	1.20	2.30	0.50	28.00
		10/18/90	7.2	3697	1850	395	202	0.19												
	Average 1990		7.2	2862	1650	302	205	< 0.11	0.003	0.008	< 0.025	< 0.025	< 0.05	< 0.001	3.5	1.05	1.75	2.80	1.00	24.50

ATTACHMENT 3B TDSS MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
120	TDM XXI	01/11/91	6.5	3957	2019	285	205	< 0.01	0.008	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	1.1	0.90	2.40	3.30	< 0.20	49.40
		04/18/91	7.1	4174	2046	259	224	0.03												
		07/04/91	7.1	4056	1984	265	212	< 0.01	0.005	< 0.010	< 0.050	< 0.020	< 0.05	< 0.001	1.0	0.50	< 1.00	< 1.50	< 0.20	42.80
		10/10/91	7.0	4197	2063	263	196	< 0.01												
	Average 1991		6.9	4091	2028	268	209	< 0.02	0.007	< 0.010	< 0.050	< 0.035	< 0.05	< 0.001	< 1.1	0.70	< 1.70	< 2.40	< 0.20	46.10
127	TDM XXVIII	02/29/88	7.7	982	933	12			< 0.001				0.90	0.018		0.80			1.10	0.50
		05/31/88	7.6	931	348	14			< 0.001				1.00	0.017		1.50			0.10	33.00
		08/31/88	7.7	909	410	13		< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	1.1	0.70	1.70	2.40	0.40	49.00
		09/15/88	7.7	911	394	22		< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	4.1	1.10	1.10	2.20	0.50	57.00
		09/29/88	7.8	1051	390	11		0.28	< 0.001	0.003	< 0.010	< 0.020	< 0.05	0.001	1.3	0.80	3.60	4.40	0.50	60.00
		10/18/88	7.8	818	394	12	82	0.26	< 0.001	0.003	< 0.010	< 0.020	< 0.05	0.002	1.5	0.90	2.80	3.70	0.60	31.00
		11/28/88	7.5	875	221	16			< 0.001				1.00	0.016		1.70			1.10	32.00
	Average 1988		7.7	937	441	14	82	< 0.14	< 0.001	< 0.003	< 0.010	< 0.020	< 0.44	0.005	2.0	1.07	2.30	3.18	0.61	37.50
		02/23/89	8.2	969	400	15	128	0.29	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	1.7	1.80	1.90	3.70	0.50	33.00
		05/10/89	7.9	920	490	14	112	0.19	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.1	1.50	1.80	3.30	0.50	25.00
		07/18/89	7.9	873	530	16	83	0.45	< 0.001	< 0.002	< 0.010	< 0.020		0.001	1.2	0.90	0.70	1.60	0.60	42.00
		10/19/89	7.9	879	440	15	91	0.35												
	Average 1989		8.0	910	465	15	104	0.32	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	1.7	1.40	1.47	2.87	0.53	33.00
		01/19/90	7.7	747	390	17	84	< 0.01	< 0.001	0.004	< 0.010	< 0.020	< 0.05	0.002	1.5	0.70	1.50	2.20	0.70	56.00
		05/01/90	8.0	852	410	55	79	< 0.01												
		08/23/90	7.8	759	298	30	86	0.65	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	2.1	0.60	1.30	1.90	0.20	26.00
		10/19/90	7.7	861	340	16	89	0.56												
	Average 1990		7.8	805	360	30	84	< 0.31	< 0.001	< 0.003	< 0.010	< 0.020	< 0.05	< 0.002	1.8	0.65	1.40	2.05	0.45	41.00
		01/11/91	7.0	863	451	9.4	94.4	0.02	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	2.3	1.60	3.70	5.30	< 0.20	34.50
		04/21/91	7.5	820	418	9.8	94.9	0.06												
		07/04/91	7.7	925	447	10.2	85.0	< 0.01	< 0.001	< 0.010	< 0.050	< 0.020	< 0.05	< 0.001	< 1.0	0.30	< 1.00	< 1.30	< 0.20	32.10
		10/14/91	7.2	857	423	4.7	82.9	0.05												
	Average 1991		7.3	866	435	8.5	89.3	< 0.04	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	< 0.001	< 1.7	0.95	< 2.35	< 3.30	< 0.20	33.30

ATTACHMENT 3B TDSS MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
178	TDM XLIV	08/17/88	6.6	4028	3460	315		< 0.01	< 0.001	0.006	< 0.010	< 0.020	< 0.05	0.001	4.2	1.90	2.10	4.00	1.20	57.00
		09/01/88	6.6	4160	2050	334		0.36	0.002	0.006	0.050	< 0.020	0.12	0.001	5.0	1.10	6.70	7.80	0.20	36.00
		09/14/88	6.7	3999	2250	312		0.36	0.001	0.009	0.050	0.110	0.06	0.001	3.0	1.50	4.10	5.60	0.40	35.00
		09/22/88	6.7	3968	1470	326	284	0.05	0.001	0.012	0.040	0.080	0.10	0.001	3.6	1.30	4.40	5.70	0.40	37.00
	Average 1988		6.6	4039	1808	322	284	< 0.019	< 0.002	0.008	< 0.038	< 0.060	< 0.08	0.001	4.0	1.45	4.33	5.78	0.55	41.25
		01/11/89	6.9	3980	2900	300	271	0.31	< 0.001	0.009	< 0.010	< 0.020	< 0.05	< 0.001	2.1	1.90	3.70	5.60	0.99	31.00
		04/24/89	6.9	3227	2500	420	267	0.05	0.002	0.007	< 0.010	< 0.020	< 0.05	< 0.001	2.0	1.70	1.70	3.40	1.70	26.00
		07/13/89	7.0	4392	2800	330	273	0.08	< 0.001	0.009	0.030	0.030	< 0.05	< 0.001	1.6	1.10	0.60	1.70	1.30	75.00
		10/20/89	6.8	3923	2370	310	340	0.16												
		12/16/89	6.9	4029	1940	320	286	0.17	< 0.001	0.016	0.060	0.070	< 0.05	< 0.001	3.2	1.30	1.90	3.20	0.70	2.30
	Average 1989		6.9	3910	2502	336	287	0.15	< 0.002	0.010	< 0.030	< 0.035	< 0.05	< 0.001	2.2	1.50	1.98	3.48	1.15	33.58
		01/18/90	6.5	2324	1990	320	324	< 0.01	< 0.001	0.015	< 0.010	0.030	< 0.05	0.001	1.7	1.40	1.50	2.90	0.40	2.60
		05/03/90	6.9	4078	2070	320	275	< 0.01												
		08/24/90	6.8	3690	2100	290	305	0.05	< 0.001	0.014	0.050	0.050	< 0.05	< 0.001	5.2	1.30	1.60	2.90	0.20	2.60
		10/19/90	6.5	4340	2200	255	291	0.05												
	Average 1990		6.7	3608	2090	296	298	< 0.06	< 0.001	0.014	< 0.030	0.040	< 0.05	< 0.001	3.4	1.35	1.55	2.90	0.30	2.60
		01/10/91	7.0	4534	2427	281	299	< 0.01	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	4.3	2.70	1.40	4.10	< 0.20	0.60
		04/21/91	6.7	4830	2421	269	283	0.01												
		07/19/91	6.6	4322	2223	271	297	< 0.01	< 0.001	< 0.010	< 0.050	< 0.020	0.05	< 0.001	1.3	1.80	< 1.00	< 2.80	< 0.20	1.80
		10/14/91	6.6	4414	2299	295	276	0.06												
	Average 1991		6.7	4525	2343	279	289	< 0.02	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	< 0.001	2.8	2.25	< 1.20	< 3.45	< 0.20	1.20
179	TDM XLV	08/22/88	7.5	1022	336	81		0.31	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	3.2	0.80	2.20	3.00	1.40	0.60
		09/06/88	9.0	1148	490	110		0.28	< 0.001	0.003	< 0.010	< 0.020	< 0.05	0.001	2.4	0.80	3.40	4.20	0.20	0.05
		09/20/88	8.8	1169	494	82		0.40	0.001	0.005	< 0.010	< 0.020	< 0.05	< 0.001	2.4	1.00	2.70	3.70	0.20	0.50
		10/05/88	8.7	976	542	85	172	0.37	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.9	1.80	4.10	5.90	0.50	< 0.05
	Average 1988		8.5	1079	465	90	172	0.34	< 0.001	< 0.003	< 0.010	< 0.020	< 0.05	< 0.001	2.7	1.10	3.10	4.20	0.58	< 0.30

ATTACHMENT 3B TDSS MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
179	TDM XLV	01/18/89	8.1	1028	510	77	160	0.28	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	1.3	1.20	2.90	4.10	0.30	0.90
		04/27/89	8.3	1012	600	230	156	0.06	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.1	1.20	2.70	3.90	0.80	< 0.20
		07/17/89	8.2	1015	430	80	149	0.06	0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.003	1.9	0.90	0.50	1.40	1.20	< 0.20
		10/23/89	8.3	958	500	82	175	0.07												
	Average 1989		8.2	1003	510	117	160	0.12	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.002	1.8	1.10	2.00	3.10	0.77	< 0.43
		01/17/90	7.9	652	458	115	159	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	1.3	1.00	1.40	2.40	0.20	0.70
		05/02/90	8.3	1036	520	85	157	< 0.01												
		08/24/90	7.8	1002	490	80	167	< 0.01	< 0.001	0.006	< 0.010	< 0.020	< 0.05	0.001	2.4	0.60	1.60	2.20	0.20	< 0.20
		10/18/90	8.5	968	425	72	163	< 0.01												
	Average 1990		8.1	914	473	88	162	< 0.01	< 0.001	< 0.004	< 0.010	< 0.020	< 0.05	0.001	1.8	0.80	1.50	2.30	0.20	< 0.45
		01/11/91	7.5	1016	568	69.2	167	< 0.01	< 0.001	< 0.046	< 0.050	< 0.050	< 0.05	< 0.001	6.5	0.70	7.90	8.60	< 0.20	< 0.20
		04/18/91	7.8	1027	522	70.8	171	0.01												
		07/19/91	7.5	1010	527	71.0	167	< 0.01	< 0.001	< 0.010	< 0.050	< 0.020	< 0.05	< 0.001	< 1.0	< 0.20	3.50	< 3.50	< 0.20	0.60
		10/10/91	8.5	1049	552	78.8	167	< 0.01												
	Average 1991		7.8	1026	542	72.4	168	< 0.01	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	< 0.001	< 3.8	< 0.45	5.60	< 6.05	< 0.20	< 0.48
181	TDM XLVII	08/22/88	7.6	769	274	55		< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	3.2	1.30	2.30	3.60	1.10	5.50
		09/06/88	8.7	692	280	55		< 0.01	0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	1.9	1.20	1.90	3.10	0.20	5.00
		09/20/88	8.6	738	282	49		< 0.01	0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	1.1	1.00	1.60	2.60	0.30	0.05
		10/04/88	8.5	719	302	51	145	0.15	< 0.001	0.003	< 0.010	< 0.020	< 0.05	< 0.001	1.7	2.40	3.10	5.50	0.40	< 0.05
	Average 1988		8.4	750	285	52	145	< 0.04	< 0.001	< 0.003	< 0.010	< 0.020	< 0.05	< 0.001	2.0	1.48	2.50	3.68	0.50	< 2.65
		01/11/89	8.1	683	350	96	146	0.30	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	1.5	1.10	2.90	3.00	0.60	2.60
		04/27/89	7.9	754	400	220	148	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	1.1	1.70	2.50	4.20	0.70	0.30
		07/14/89	7.8	842	460	70	151	0.06	0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.003	2.0	1.30	1.20	2.50	1.10	< 0.20
		10/23/89	8.0	835	460	78	177	0.18												
	Average 1989		8.0	778	418	106	156	< 0.14	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.002	1.5	1.40	2.20	3.60	0.80	< 1.03

ATTACHMENT 3B TDSS MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
181	TDH XLVII	01/17/90	7.6	809	460	115	172	< 0.01	< 0.001	0.003	< 0.010	< 0.020	< 0.05	0.001	1.1	0.90	1.60	2.50	0.20	23.00
		04/24/90	7.7	1072	450	95	237	< 0.01												
		07/22/90	7.7	1269	520	84	213	0.19	< 0.001	0.005	< 0.010	< 0.020	< 0.05	< 0.001	3.7	1.00	2.80	3.80	0.26	0.70
		10/18/90	7.9	1305	560	98	210	0.14												
	Average 1990		7.7	1113	498	98	210	< 0.09	< 0.001	0.004	< 0.010	< 0.020	< 0.05	< 0.001	2.4	0.95	2.20	3.15	0.20	11.90
		01/11/91	7.4	1344	770	89	218	0.02	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	2.3	2.00	< 1.00	< 3.00	< 0.20	< 0.20
		04/18/91	7.5	1394	745	85.3	226	0.02												
		07/03/91	7.1	1459	881	90.9	233	0.02	< 0.001	< 0.010	< 0.050	< 0.020	< 0.05	< 0.001	< 1.0	0.90	< 1.00	< 1.90	< 0.20	1.80
		10/14/91	8.1	1571	814	115	241	0.05												
	Average 1991		7.3	1422	803	95	230	0.03	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	< 0.001	< 1.7	1.45	< 1.00	< 2.45	< 0.20	< 1.00
183	TDH XLIX	08/22/88	8.2	880	310	72		0.00	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	3.3	1.20	2.00	3.20	0.40	4.50
		09/06/88	8.6	890	390	70		0.39	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.002	1.6	0.70	2.00	2.70	0.30	5.50
		09/20/88	8.5	965	400	71		0.48	0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	1.5	1.00	2.40	3.40	0.30	4.10
		10/05/88	8.1	843	380	75	159	0.27	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.6	2.10	4.00	6.10	0.70	0.87
	Average 1988		8.4	894	370	72	159	0.28	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.002	2.2	1.25	2.60	3.85	0.43	3.77
		01/18/89	8.0	1018	460	103	156	0.32	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.003	1.4	1.00	2.80	3.80	0.60	0.70
		04/27/89	8.3	1060	670	110	171	0.27	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.9	1.00	1.90	2.90	0.90	< 0.20
		07/17/89	7.9	1128	510	80	169	0.18	< 0.001	< 0.002	< 0.010	< 0.020		0.002						
		10/23/89	8.4	1064	642	86	184	0.13												
	Average 1989		8.2	1068	570	97	170	0.22	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.002	2.2	1.00	2.35	3.35	0.75	< 0.45
		01/17/90	8.4	997	500	90	183	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	2.6	0.70	1.60	2.30	1.90	0.70
		05/02/90	8.2	1202	620	75	173	< 0.01												
		08/24/90	7.9	1376	476	96	195	0.16	< 0.001	0.004	< 0.010	< 0.020	< 0.05	< 0.001	2.6	0.70	1.50	2.20	0.10	0.20
		10/18/90	7.6	1410	625	90	195	0.11												
	Average 1990		8.0	1246	555	58	186	< 0.08	< 0.001	< 0.003	< 0.010	< 0.020	< 0.05	< 0.001	2.6	0.70	1.55	2.25	1.00	0.45

ATTACHMENT 3B TDSS MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	U%AT (pCi/l)
185	TDH XLIX	01/11/91	7.3	1406	847	88.7	195	< 0.01	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	2.9	1.80	1.30	3.10	< 0.20	< 0.20
		04/18/91	7.6	1405	734	85	218	0.03												
		07/19/91	7.4	1373	719	80.6	204	< 0.01	< 0.001	< 0.010	< 0.050	< 0.020	< 0.05	< 0.001	< 1.0	0.60	< 1.00	< 1.60	< 0.20	1.80
		10/10/91	7.6	1398	746	89.4	190	< 0.01												
	Average 1991		7.4	1396	759	85.9	202	< 0.02	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	< 0.001	< 2.0	1.20	< 1.15	< 2.35	< 0.20	< 1.00

ATTACHMENT 3C TDSS BACKGROUND MONITOR WELLS

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
134	RM-4	01/07/88	8.1	975	446	12			< 0.001	< 0.002	< 0.010		< 0.05	0.053		0.60			0.40	1.70
		03/31/88	7.8	975	400	15			< 0.001	< 0.002	< 0.010		< 0.05	0.013		0.80			1.00	3.40
		06/25/88	7.6	963	418	19			< 0.001	< 0.002	< 0.010		< 0.05	0.005		0.80			0.60	0.10
		09/19/88	8.1	1014	460	13	177	0.55	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001		1.20	2.90	4.10	1.30	10.00
		10/26/88	8.0	975	532	12	178	0.69	< 0.001	0.005	< 0.010	< 0.020	< 0.05	0.002	2.4	1.20	2.90	4.10	0.70	9.60
		11/09/88	7.9	985	540	13	184	1.02	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.013	2.8	0.60	2.80	3.40	1.30	4.66
		11/23/88	7.7	1025	555	17	184	0.05	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	2.6	0.90	2.70	3.60	1.40	2.40
		12/08/88	7.8	1043	600	27			< 0.001	< 0.010	< 0.010		< 0.05	0.001		1.20			0.80	2.00
	Average 1988		7.9	992	492	16	181	.58	< 0.001	< 0.004	< 0.010	< 0.020	< 0.05	0.011	2.6	0.90	2.80	3.80	0.90	5.10
		03/27/89	8.0	956	510	33	195	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.1	0.90	1.50	2.40	0.80	2.10
		06/12/89	7.9	927	540	38	229	0.29	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.004	0.5	1.10	0.80	1.90	2.00	3.40
		09/19/89	7.9	968	560	42	181	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	5.3	0.50	0.80	1.30	2.10	2.60
		12/20/89	7.7	1006	500	96	199	0.31												
	Average 1989		7.9	963	528	50	201	< 0.16	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.002	2.6	0.83	1.05	1.86	1.65	2.79
		03/26/90	7.7	928	600	20	205	1.22	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	3.8	1.60	1.50	3.10	1.10	< 0.20
		06/26/90	8.0	1027	488	17	191	0.49												
		09/07/90	8.3	1019	420	14	196	0.98	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.004	3.6	0.80	2.00	2.90	0.50	0.30
		12/01/90	7.5	987	434	11	200	0.14												
	Average 1990		7.9	990	486	16	198	0.71	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.002	3.7	1.20	1.75	2.95	0.80	< 0.25
		03/02/91	7.7	1019	578	8.7	180	0.06	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	< 1.0	< 0.20	< 1.00	< 1.20	< 0.20	< 0.20
		06/10/91	7.8	970	572	6.8	187	0.04	< 0.001	< 0.010	< 0.050	< 0.020	< 0.05	< 0.001	< 1.0	0.60	1.40	2.00	< 0.20	0.30
		09/08/91	7.8	1033	591	3.9	196	1.20	0.020	< 0.010	< 0.050	< 0.020	< 0.05	0.074	< 1.0	< 0.20	< 1.00	< 1.20	< 0.20	1.40
		12/12/91	8.1																	
	Average 1991		7.8	994	575	7.8	184	0.05	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	< 0.001	< 1.0	< 0.40	< 1.20	< 1.60	< 0.20	< 0.25
172	SM - EM-5	07/29/88	7.8	719	186	16			< 0.001					0.001		5.20				21.00
		11/26/88	7.8	456	270	19	106	0.10	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001		3.10				0.70
	Average 1988		7.8	588	228	18	106	0.10	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001		4.15				10.85
		04/26/89	7.8	418	248	30	103	0.11	< 0.001	0.003	< 0.010	< 0.020	< 0.05	0.002	2.0	1.40	1.90	3.30	0.30	1.70
		06/12/89	7.8	485	220	34	132	0.20	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.004	3.0	1.70	0.40	2.10	1.60	0.40
		09/26/89	7.7	450	228	40	97	< 0.10	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.002	3.1	1.50	0.50	2.00	1.40	0.30
		12/20/89	7.5	627	205	15	123	0.13												
	Average 1989		7.7	495	225	30	114	< 0.14	< 0.001	< 0.003	< 0.010	< 0.020	< 0.05	0.003	2.7	1.53	0.95	2.46	1.10	1.34

ATTACHMENT 3C TDSS BACKGROUND MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
172	SM - EM-5	04/23/90	7.4	530	302	14	112	0.26	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	2.3	2.20	3.10	5.30	0.50	3.10
		06/26/90	7.8	595	340	13	115	0.57												
		09/07/90	7.9	520	308	20	115	0.94	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.002	3.2	1.90	2.10	4.00	0.20	0.50
		12/01/90	7.7	653	254	16	122	0.25												
	Average 1990		7.7	574	301	16	116	0.50	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.002	2.8	2.05	2.60	4.65	0.35	1.80
		03/02/91	7.5	574	310	10.4	116	0.01	< 0.001	< 0.01	< 0.050	< 0.05	< 0.05	< 0.001	3.0	3.00	< 1.00	< 4.00	< 0.20	< 0.20
		06/10/91	7.4	531	273	8.6	114	0.02	< 0.001	< 0.01	< 0.050	< 0.02	< 0.05	< 0.001	1.1	1.40	< 1.00	< 2.40	< 0.20	< 0.20
		09/08/91	7.7	565	301	4.8	116	1.20	0.014	< 0.01	< 0.050	< 0.02	< 0.05	0.034	< 1.0	< 0.20	< 1.00	< 1.20	< 0.20	2.00
		12/12/91	8.0																	
	Average 1991		7.4	553	292	9.5	115	0.02	< 0.001	< 0.01	< 0.050	< 0.04	< 0.05	< 0.001	2.0	2.20	< 1.00	< 3.20	< 0.20	< 0.20
174	TDMXL	08/17/88	10.8	292	46	5		0.05	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	3.0	0.80	1.90	2.70	0.90	1.60
		09/01/88	9.4	326	106	10		6.49	0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.161	0.9	0.80	1.20	2.00	0.30	1.40
		09/14/88	9.8	327	170	10		0.22	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	1.0	1.20	1.50	2.70	0.50	2.10
		09/28/88	9.2	312	54	6	74	0.20	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	1.5	0.70	3.40	4.10	0.50	1.30
	Average 1988		9.7	314	94	8	74	0.24	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.041	1.6	0.88	2.00	2.88	0.55	1.60
		02/27/89	8.5	340	96	14	93	0.10	0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.005	1.7	1.40	1.70	3.10	0.40	< 0.20
		04/26/89	8.1	292	134	30	71	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.9	1.00	1.50	2.50	0.90	< 0.20
		07/18/89	7.9	291	95	18	67	0.03	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.006	1.5	0.50	0.60	1.10	0.60	0.20
		10/20/89	8.5	301	110	13	80	0.08												
	Average 1989		8.2	306	109	19	78	< 0.06	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.004	2.0	0.97	1.27	2.23	0.63	< 0.20
		01/22/90	7.9	298	88	26	74	0.04	< 0.001	< 0.002	0.240	< 0.020	< 0.05	0.001	1.4	1.20	1.60	2.80	0.20	< 0.20
		04/23/90	8.0	320	65	12	81	< 0.01												
		08/24/90	8.2	294	110	12	74	< 0.01	0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.7	0.70	1.80	2.50	0.20	< 0.20
		10/23/90	8.2	316	85	12	72	< 0.01												
	Average 1990		8.1	307	87	16	75	< 0.02	< 0.001	< 0.002	< 0.125	< 0.020	< 0.05	< 0.001	2.0	0.95	1.70	2.65	0.20	< 0.95
		01/13/91	7.3	287	126	5.6	82.4	< 0.01	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	< 1.0	0.20	< 1.00	< 1.20	< 0.20	< 0.20
		04/28/91	7.8	249	104	5.5	84.8	< 0.01												
		07/19/91	8.0	297	110	6.3	73.5	< 0.01	< 0.001	< 0.010	< 0.050	< 0.020	< 0.05	< 0.001	< 1.0	0.70	< 1.00	< 1.70	< 0.20	1.80
		10/14/91	8.1	312	102	7.6	78.0	< 0.01												
	Average 1991		7.8	278	113	5.8	80.2	< 0.01	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	< 0.001	< 1.0	0.45	< 1.00	< 1.45	< 0.20	< 1.00

ATTACHMENT 3C TDSS BACKGROUND MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
182	TDM XLVIII	08/22/88	9.7	373	240	9		0.39	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.5	1.10	2.50	3.60	0.90	0.05
		09/06/88	9.9	385	182	10		0.30	0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.003	0.9	0.90	1.50	2.40	0.20	1.10
		09/20/88	9.6	403	104	11		0.26	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	0.8	1.10	1.80	2.90	0.40	0.50
		10/04/88	9.6	379	110	13	104	0.05	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	1.0	1.80	2.10	3.90	0.70	< 0.05
	Average 1988		9.7	385	159	11	104	0.25	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	1.4	1.23	1.98	3.20	0.55	< 0.42
		01/18/89	9.3	341	162	14	106	0.43	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.002	0.9	0.70	1.30	2.00	0.60	0.60
		04/27/89	9.2	337	195	14	108	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	3.0	0.30	2.10	2.40	1.10	< 0.20
		07/14/89	8.9	350	165	18	100	0.04	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.002	1.4	1.20	0.90	2.10	0.30	0.70
		10/23/89	9.5	351	182	12	117	1.07												
	Average 1989		9.2	345	176	14	108	< 0.39	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.002	1.8	0.73	1.43	2.17	0.67	< 0.50
		01/15/90	8.9	351	149	12	107	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	0.6	0.40	1.60	2.00	0.20	0.90
		04/24/90	8.6	324	100	43	119	< 0.01												
		08/23/90	8.6	389	134	25	110	0.22	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.3	0.60	1.70	2.30	0.20	0.30
		10/18/90	8.6	361	157	11	107	0.18												
	Average 1990		8.7	356	135	23	111	< 0.10	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	1.4	0.50	1.65	2.15	0.20	0.60
		01/11/91	7.7	392	209	4.9	126	< 0.01	< 0.001	< 0.010	< 0.050	< 0.050	< 0.05	< 0.001	< 1.0	< 0.20	< 1.00	< 1.20	< 0.20	< 0.20
		04/18/91	8.1	352	188	5.6	116	0.01												
		07/03/91	7.5	388	197	4.6	114	< 0.01	< 0.001	< 0.010	< 0.050	< 0.020	< 0.05	< 0.001	2.0	1.50	< 1.00	< 2.50	< 0.20	1.80
		10/10/91	8.1	394	197	4.1	109	< 0.01												
	Average 1991		7.8	377	198	5.0	119	< 0.01	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	< 0.001	< 1.5	< 0.85	< 1.00	< 1.85	< 0.20	< 1.00

ATTACHMENT 3D ORE SANDS MONITOR WELLS

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grs Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
116	TDH XI	01/27/88	7.5	562	233	34			< 0.001				1.00	< 0.001		1.48			1.48	< 0.10
		04/28/88	7.4	571	240	36			< 0.001				0.80	0.006		0.99			1.50	3.60
		07/14/88	7.4	544	208	29			< 0.001				0.80	0.014		2.80			0.80	< 0.50
		10/06/88	7.7	460	254	29			0.001				1.10	< 0.001		2.20			6.60	1.10
	Average 1988		7.5	534	234	32			< 0.001				0.93	0.004		1.83			1.08	1.03
		01/26/89	7.6	469	248	31			< 0.001				1.70	< 0.001		1.10			6.40	4.40
		04/25/89	7.5	522	2510	50	63	0.13	< 0.001	< 0.002	< 0.010	< 0.02	< 0.05	< 0.001	4.7	2.40	1.30	3.70	0.50	< 0.20
		09/27/89	7.6	687	308	170	82	0.15	< 0.001	< 0.002	< 0.010	< 0.02	< 0.05	0.007	7.9	1.50			1.50	2.20
		10/20/89	8.5	634	308	48	86	0.07												
	Average 1989		7.8	578	844	75	77	0.12	< 0.001	< 0.002	< 0.010	< 0.02	0.43	< 0.003	6.3	1.67	1.30	3.70	0.80	1.93
		01/19/90	7.4	606	260	44	77	< 0.01	< 0.001	< 0.002	< 0.010	< 0.02	< 0.05	0.002	2.6	1.20	2.60	3.80	1.30	8.60
		05/01/90	7.8	566	290	85	67	< 0.01												
		08/23/90	7.6	560	220	40	75	< 0.01	< 0.001	< 0.002	< 0.010	< 0.02	< 0.05	< 0.001	3.5	0.90	2.00	2.90	0.30	2.00
		10/19/90	7.6	689	238	42	78	< 0.01												
	Average 1990		7.6	630	252	56	74	< 0.01	< 0.001	< 0.002	< 0.010	< 0.02	< 0.05	< 0.002	3.1	1.05	2.30	3.35	0.80	5.00
		01/11/91	6.9	671	359	37.6	77.6	0.02	< 0.001	< 0.010	< 0.050	< 0.05	< 0.05	< 0.001	2.6	1.40	1.90	3.30	0.60	3.70
		04/18/91	7.6	652	313	35.1	65.6	< 0.01												
		07/04/91	7.3	658	327	34.2	69.0	< 0.01	< 0.001	< 0.010	< 0.050	< 0.02	< 0.05	< 0.001	< 1.0	1.00	1.30	2.30	< 0.20	9.60
		10/14/91	6.2	664	318	46.3	80.6	0.02												
	Average 1991		7.0	661	329	38.3	73.2	< 0.01	< 0.001	< 0.010	< 0.050	< 0.04	< 0.05	< 0.001	< 1.8	1.20	1.60	2.80	< 0.40	6.65
128	TDH XXIX	02/29/88	11.1	424	42	13			< 0.001				0.90	< 0.001		5.50			0.20	0.80
		05/30/88	12.1	373	54	10			< 0.001				1.20	< 0.001		1.50			0.70	3.70
		08/31/88	12.3	401	58	75			0.001				0.90	< 0.001		1.40			1.20	1.50
		12/05/88	11.9	303	60	18			< 0.001				0.99	0.005		0.70			0.60	0.80
	Average 1988		11.9	375	54	29			< 0.001				0.98	< 0.001		2.28			0.68	1.50
		02/24/89	11.5	589	166	82	159	0.11	0.001	< 0.002	< 0.01	< 0.02	1.30	0.002	1.5	1.90	1.80	3.70	0.60	< 1.0
		05/22/89	11.6	383	64	70	147	0.53	0.002	< 0.002	< 0.01	< 0.02	< 0.05	< 0.001	1.6	0.80	1.80	2.60	0.40	0.30
		07/18/89	11.2	290	36	71	25	0.10	< 0.001					0.004		0.60				0.40
		10/23/89	11.6	311	67	55	116	0.03												
	Average 1989		11.5	393	83	70	112	0.19	< 0.002	< 0.002	< 0.01	< 0.02	< 0.69	< 0.004	1.6	1.10	1.80	3.15	0.50	0.17
		01/22/90	11.5	335	75	59	109	< 0.01	< 0.001	< 0.001	< 0.01	< 0.02	< 0.05	0.002	1.7	1.00	1.50	2.50	0.60	2.20
		05/01/90	11.6	268	78	110	108	< 0.01												
		08/28/90	11.0	362	60	68	124	0.05	< 0.001	< 0.002	< 0.01	< 0.02	< 0.05	< 0.001	2.1	0.50	1.30	1.80	0.20	< 0.2
		10/18/90	11.2	420	70	67	128	0.06												
	Average 1990		11.3	346	71	76	117	< 0.04	< 0.001	< 0.002	< 0.01	< 0.02	< 0.05	< 0.002	1.9	0.75	1.40	1.12	0.40	< 1.2

ATTACHMENT 3J ORE SAND* MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Hi (mg/l)	Pb (mg/l)	Se (mg/l)	Grt Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra225+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
128	TDM XXIX	01/10/91	11.6	393	120	61.2	136	0.05	< 0.001	< 0.010	< 0.05	< 0.05	< 0.05	< 0.001	< 1.0	< 0.2	< 1.00	< 1.20	< 0.20	3.7
		04/18/91	10.8	350	119	57.0	110	0.01												
		07/19/91	11.0	387	142	53.0	128	< 0.01	< 0.001	< 0.010	< 0.05	< 0.02	< 0.05	< 0.001	< 1.0	0.3	2.70	3.00	< 0.20	1.8
		10/14/91	8.4	416	160	64.4	118	0.08												
	Average	1991	11.0	387	155	59.0	123	< 0.03	< 0.001	< 0.010	< 0.05	< 0.04	< 0.05	< 0.001	< 1.0	< 0.3	< 1.85	< 2.10	< 0.20	2.8
129	TDM XXX	02/29/88	7.2	2394	1500	142			< 0.001				1.90	< 0.001		0.90			0.20	0.0
		05/31/88	7.2	2064	1350	130			< 0.001				1.40	0.004		2.60			0.50	1.2
		08/30/88	7.2	2347	850	145			0.001				0.90	< 0.001		2.40			0.90	1.10
		11/28/88	7.4	2055	1900	172			< 0.001				1.60	0.003		1.00			0.50	1.20
	Average	1988	7.2	2215	1400	147			< 0.001				1.20	< 0.002		1.72			0.52	0.88
		02/22/89	7.4	2321	1150	255	181	0.46	< 0.001	< 0.002	< 0.010	< 0.02	< 0.15	0.006	2.9	1.60	2.80	3.60	0.40	< 0.20
		05/22/89	11.8	1919	1200	155	177	0.11	< 0.001	0.005	< 0.010	< 0.02	< 0.05	< 0.001	2.4	0.80	1.70	2.50	0.50	< 0.20
		07/17/89	7.4	1563	840	140	130	0.06	< 0.001	< 0.002	< 0.010	< 0.02	< 0.05	0.003	1.7	0.80	0.60	1.40	0.50	< 0.20
		10/19/89	7.6	2191	1240	165	137	< 0.01												
	Average	1989	8.6	1998	1110	179	156	< 0.16	< 0.001	< 0.003	< 0.010	< 0.02	< 0.05	< 0.004	2.3	1.10	2.70	2.50	0.47	< 0.20
		01/16/90	7.3	1304	1070	150	131	< 0.01	< 0.001	0.007	< 0.010	< 0.02	< 0.05	0.001	2.1	0.70	1.70	2.40	1.50	< 0.10
		04/24/90	7.7	1944	860	195	157	0.12												
		08/24/90	8.8	1627	560	124	137	1.79	< 0.001	< 0.002	< 0.010	< 0.02	< 0.05	0.006	4.0	1.00	2.10	3.10	0.20	< 0.20
		10/18/90	9.4	1084	456	108	143	1.23												
	Average	1990	8.3	1490	732	144	142	< 0.81	< 0.001	< 0.005	< 0.010	< 0.02	< 0.05	0.004	3.0	0.85	1.90	2.80	0.80	< 0.20
		01/11/91	8.4	2338	1443	161	163	< 0.01	< 0.001	< 0.010	< 0.050	< 0.05	< 0.05	< 0.001	< 1.0	< 0.20	< 1.00	< 1.20	< 0.20	< 0.20
		04/18/91	8.1	1351	660	113	146	0.04												
		07/02/91	10.4	1496	563	97.6	154	1.45	< 0.001	< 0.010	< 0.050	< 0.02	< 0.05	0.074	< 1.0	0.40	1.20	1.60	< 0.20	.80
		10/10/91	7.5	2465	1285	153	148	0.39												
	Average	1991	8.6	1913	1063	131	153	0.47	< 0.001	< 0.010	< 0.050	< 0.04	< 0.05	< 0.038	< 1.0	< 0.30	< 1.10	< 1.40	< 0.20	< 1.00
148	TDM XXXII	01/27/88	7.0	3509	1570	267			< 0.001				0.30	< 0.001		0.50			0.60	0.60
		04/28/88	7.0	3963	2110	290			0.002				1.00	0.002		1.10			1.4	130.00
		07/20/88	6.9	3883	1480	315			0.002				1.10	0.011		0.30			1.20	123.00
		11/10/88	7.0	4036	2100	396			< 0.001				1.00	0.003		0.90			1.30	133.00
	Average	1988	7.0	3848	1815	317			< 0.002				0.98	< 0.004		0.70			1.12	97.60
		02/24/89	7.5	3668	1540	319	289	0.47	< 0.001	< 0.002	< 0.010	< 0.02	< 0.05	0.120	1.9	1.60	2.40	4.00	0.60	64.00
		05/11/89	7.4	3499	2080	310	339	0.12	0.002	0.013	< 0.010	< 0.02	< 0.05	< 0.001	1.2	0.60	1.30	1.90	0.50	57.00
		08/29/89	7.2	3422	1770	280	271	0.55	0.001	0.010	0.010	< 0.02	0.05	0.600	2.0	0.80	1.40	2.20	0.90	103.00
		11/20/89	7.1	3428	1710	265	230	0.03												
	Average	1989	7.3	3504	1755	294	284	0.29	< 0.002	< 0.008	< 0.010	< 0.02	< 0.05	< 0.041	1.7	1.00	1.75	2.70	0.67	75.00

ATTACHMENT 3D ORF SANDS MONITOR WELLS CONTINUED

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Grt Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
148	TOM XXXII	02/05/90	7.0	2655	1660	290	292	< 0.01	< 0.001	0.008	< 0.010	< 0.02	< 0.05	< 0.001	1.3	0.80	0.90	1.70	0.70	71.00
		05/03/90	7.4	3518	1720	310	168	< 0.01												
		08/27/90	7.6	3604	1490	268	255	0.90	0.002	0.010	< 0.010	< 0.02	< 0.05	0.007		0.90	1.60	2.50	0.20	63.00
		11/06/90	7.4	3648	1350	265	268	0.11												
	Average 1990		7.4	3606	1555	283	246	< 0.26	< 0.002	0.009	< 0.010	< 0.02	< 0.05	< 0.004	4	0.85	1.27	2.10	0.45	67.00
		02/05/91	7.5	3936	1871	274	250	0.24	0.001	< 0.010	< 0.050	< 0.05	< 0.05	< 0.001	< 1.0	< 0.20	< 1.00	< 1.20	< 0.20	119.00
		05/25/91	7.0	3633	1935	298	225	0.29												< 0.20
		08/04/91	7.1	4078	1957	275	197	0.15	< 0.001	< 0.010	< 0.050	< 0.05	< 0.05	< 0.001	< 1.0	< 0.20	< 1.00	< 1.20	< 0.20	114.00
		11/18/91	7.1	3965	2024	320	220	0.75												
	Average 1991		7.2	3903	1947	292	223	0.21	0.001	< 0.010	< 0.050	< 0.05	< 0.05	< 0.011	< 1.0	< 0.20	< 1.00	< 1.20	< 0.20	77.70

ATTACHMENT 3E MUNC BACKFILL MONITOR WELLS

WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Ba (mg/l)	MO5 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Hi (mg/l)	Pb (mg/l)	Se (mg/l)	Gro Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
171	TUA XXXX31	07/31/88	7.5	750	428	46			< 0.001					0.011		2.20				14.20
		12/09/88	7.5	749	400	55	82		< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001		0.90				15.00
	Average	1988	7.5	750	414	50	82		< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.006		1.55				14.60
		03/20/89	7.3	727	400	44	97	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	1.7	0.60	1.80	2.40	0.20	2.80
		06/15/89	7.5	736	400	52	118	0.02	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.003	1.2	1.00	0.50	1.50	0.20	1.40
		09/27/89	7.6	689	400	40	78	0.13	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.7	0.70	0.60	1.30	0.80	1.10
		12/21/89	7.1	805	310	38	90	0.10												
	Average	1989	7.4	739	478	43	96	< 0.06	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.002	1.9	0.86	1.00	1.80	0.40	1.80
		03/31/90	7.4	806	340	30	90	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	1.7	0.90	4.80	5.70	0.60	0.40
		06/27/90	7.4	868	396	60	98	0.62												
		09/07/90	8.2	743	324	25	95	0.90	0.005	< 0.002	< 0.010	< 0.020	< 0.05	0.005	4.1	1.00	2.70	3.20	0.40	4.30
		12/03/90	7.7	810	350	30	94	< 0.1												
	Average	1990	7.7	802	352	36	94	< 0.47	< 0.002	< 0.002	< 0.010	< 0.020	< 0.05	< 0.002	2.9	0.95	3.50	4.45	0.30	2.35
		03/02/91	6.9	771	471	23	96.9	< 0.01	< 0.001	< 0.01	< 0.050	< 0.050	< 0.05	< 0.001	< 1.0	< 0.20	1.5P	<	< 0.20	1.80
		06/10/91	7.3	640	387	27.7	83.9	1.12			< 0.050									
		09/08/91	7.4	786	458	19.0	96.5	1.20	0.011	< 0.01	< 0.050	< 0.020	< 0.05	0.025	< 1.0	< 0.20	< 1.00	< 1.12	< 0.20	4.10
	Average	1991	7.2	732	439	23.2	92.4	< 0.78	< 0.008	< 0.01	< 0.050	< 0.035	< 0.05	< 0.015	< 1.0	< 0.20	< 1.25	< 1.45	< 0.20	2.95
173	TOM XXXIX	08/24/88	7.0	637	264	70		< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.003		0.80	2.40	2.20	0.70	4.00
		09/09/88	7.4	739	200	69		0.09	0.002	< 0.002	< 0.010	< 0.020	< 0.05	0.001	1.0	0.50	0.60	1.10	0.60	5.10
		09/23/88	8.0	629	474	60		0.06	0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001		0.60	3.20	3.80	0.60	6.40
		10/13/88	7.6	510	290	63	71	0.05	< 0.001	0.003	< 0.010	< 0.020	< 0.05	< 0.001	2.4	1.20	3.40	4.60	0.50	6.30
	Average	1988	7.5	628	307	66	71	< 0.06	< 0.002	< 0.003	< 0.010	< 0.020	< 0.05	< 0.002	1.7	0.80	2.40	3.20	0.60	5.95
		01/12/89	7.8	604	275	98	74	0.24	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.003	2.8	0.90	3.00	3.90	0.20	4.40
		04/24/89	7.8	626	400	125	71	0.05	0.002	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	2.8	1.00	1.80	2.80	0.60	0.70
		07/13/89	7.4	607	290	85	69	0.13	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.004	1.7	1.00	0.80	1.80	0.80	0.20
		10/25/89	7.8	631	300	74	79	0.10												
	Average	1989	7.7	617	316	96	73	0.12	< 0.002	< 0.002	< 0.010	< 0.020	< 0.05	< 0.003	2.4	0.97	1.90	2.87	0.55	1.77
		01/15/90	7.5	565	262	76	74	< 0.01	0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.001	0.7	0.40	1.90	2.30	0.20	< 0.10
		04/23/90	7.5	604	252	90	79	< 0.01												
		08/25/90	8.1	652	220	78	77	0.09	0.003	< 0.002	< 0.010	< 0.020	< 0.05	0.001	3.7	1.00	0.20	1.20	0.20	2.90
		10/19/90	7.8	653	238	72	76	0.09												
	Average	1990	7.7	618	238	79	76	< 0.05	0.002	< 0.002	< 0.010	< 0.020	< 0.05	0.001	2.2	0.70	1.05	1.80	0.20	< 1.85

ATTACHMENT 3E MINE BACKFILL MONITOR WELLS CONTINUED

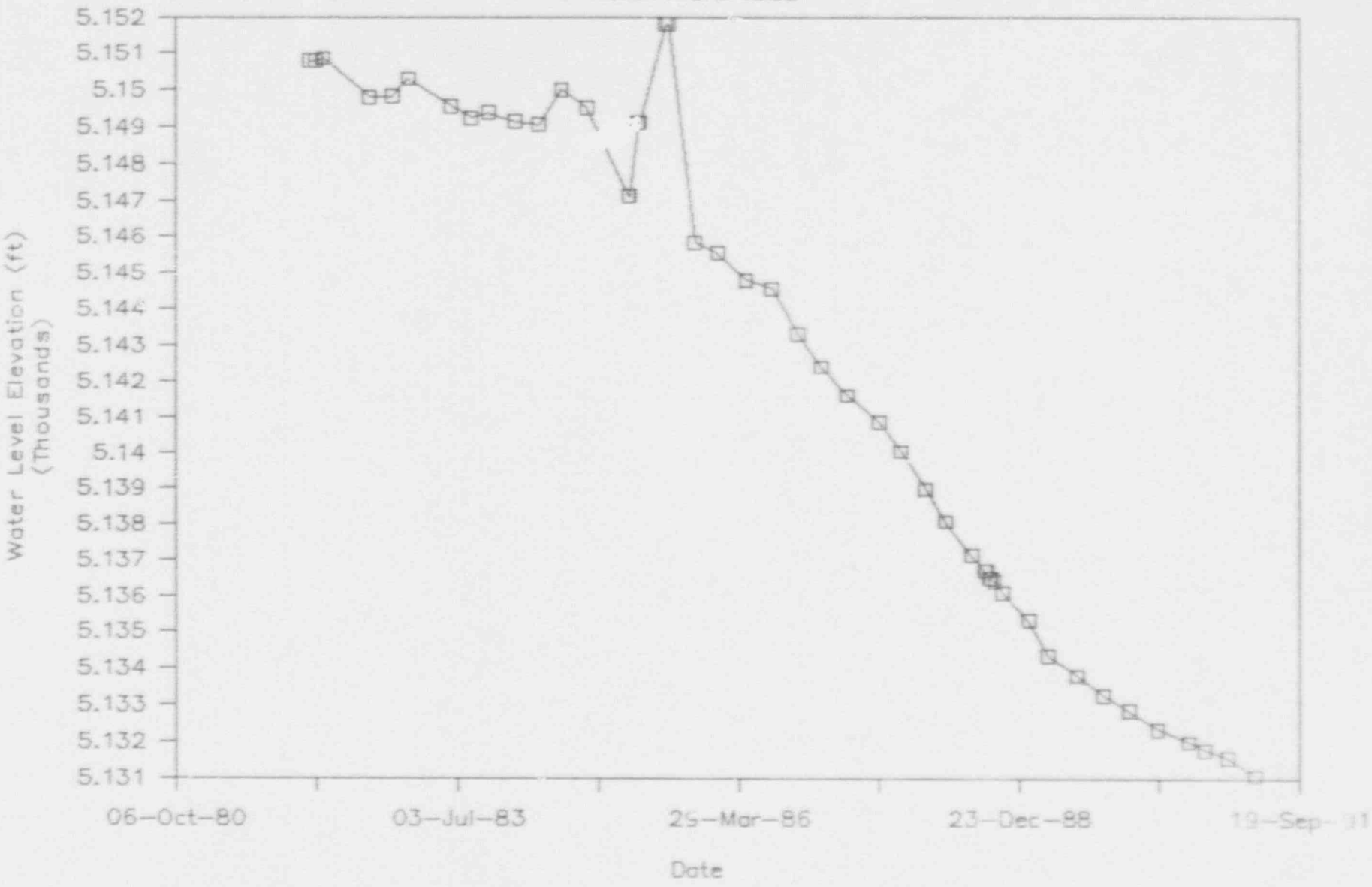
WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	NO3 (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Hg (mg/l)	Pb (mg/l)	Se (mg/l)	Gro Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
175	XXXIX	01/15/91	6.9	626	359	66.4	86.2	< 0.01	< 0.001	< 0.01	< 0.050	< 0.050	< 0.05	< 0.001	1.1	0.95	< 1.0	< 1.90	< 0.20	3.10
		04/21/91	7.1	605	325	66.3	67.8	< 0.01												
		07/19/91	7.8	626	332	64.7	78.2	0.04	0.001	< 0.01	< 0.050	< 0.020	< 0.05	< 0.001	< 1.0	0.50	< 1.0	< 1.50	< 0.20	7.80
		10/14/91	8.3	655	335	77.3	84.8	0.03												
	Average	1991	7.5	619	338	65.8	77.4	< .029	< 0.001	< 0.01	< 0.050	< 0.035	< 0.05	< 0.001	< 1.1	0.70	< .0	< 1.70	< 0.20	5.45
150	TDM XLVI	08/23/88	7.3	2712	930	155		0.25	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	3.5	3.90	2.40	6.30	0.90	432.00
		09/07/88	7.1	2298	1250	150		0.09	0.001	0.007	< 0.010	< 0.020	< 0.05	0.002	16.4	2.90	8.10	10.10	0.40	420.00
		09/21/88	6.9	2717	1619	242		0.11	0.002	0.003	< 0.010	< 0.020	< 0.05	0.003	10.4	1.50	5.20	6.70	0.50	528.00
		10/05/88	7.4	1688	238	185	171	0.01	< 0.001	0.009	< 0.010	< 0.020	< 0.05	0.001	7.5	3.40	7.60	10.20	1.00	574.00
	Average	1988	7.2	2228	1037	190	171	0.12	< 0.002	< 0.005	< 0.010	< 0.020	< 0.05	< 0.002	7.0	2.75	5.80	8.55	0.70	488.00
		01/12/89	7.4	2189	1100	173	162	0.14	0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.002	10.8	5.90	5.00	10.90	2.40	528.00
		04/25/89	7.4	1797	1400	175	150	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	< 0.001	4.3	3.20	2.90	6.10	4.00	146.00
		08/29/89	6.8	2697	1329	215	197	< 0.01	0.001	0.006	0.010	0.020	0.05	0.001	4.1	5.20	1.50	7.20	0.80	385.00
		10/26/89	6.9	2299	1380	215	190	0.08												
	Average	1989	7.1	2246	1300	194	175	< 0.14	< 0.001	< 0.005	< 0.010	< 0.020	< 0.05	< 0.002	7.3	4.90	3.10	8.00	2.50	360.00
		01/16/90	7.1	1606	1100	175	163	< 0.01	< 0.001	0.004	< 0.010	< 0.020	< 0.05	0.002	2.1	1.70	1.70	3.40	0.30	499.00
		04/24/90	6.9	2400	1160	255	269	< 0.01												
		08/23/90	7.0	2327	920	200	179	0.03	0.001	0.007	< 0.010	< 0.020	< 0.05	0.009	4.2	4.90	2.30	7.20	0.40	459.00
		10/19/90	7.1	2311	1110	158	177	0.28												
	Average	1990	7.0	2161	1072	197	197	< 0.08	< 0.001	0.006	< 0.010	< 0.020	< 0.05	0.006	3.2	3.30	2.00	5.1	0.35	479.00
		01/13/91	7.3	3254	1766	274	253	0.09	< 0.001	< 0.010	< 0.050	0.050	< 0.05	0.007	15.4	11.20	< 1.00	< 12.20	< 0.20	319.20
		04/18/91	6.7	3466	1791	276	256	0.13												
		07/19/91	6.6	2973	1451	243	223	0.04	< 0.001	< 0.010	< 0.050	< 0.020	< 0.05	0.009	7.0	6.70	< 1.00	< 7.70	< 0.20	519.00
		10/14/91	6.6	3981	1484	263	204	1.90												
	Average	1991	6.9	3251	1669	264	231	< 0.08	< 0.001	< 0.010	< 0.050	< 0.035	< 0.05	0.009	10.2	8.95	< 1.00	< 9.95	< 0.20	419.10

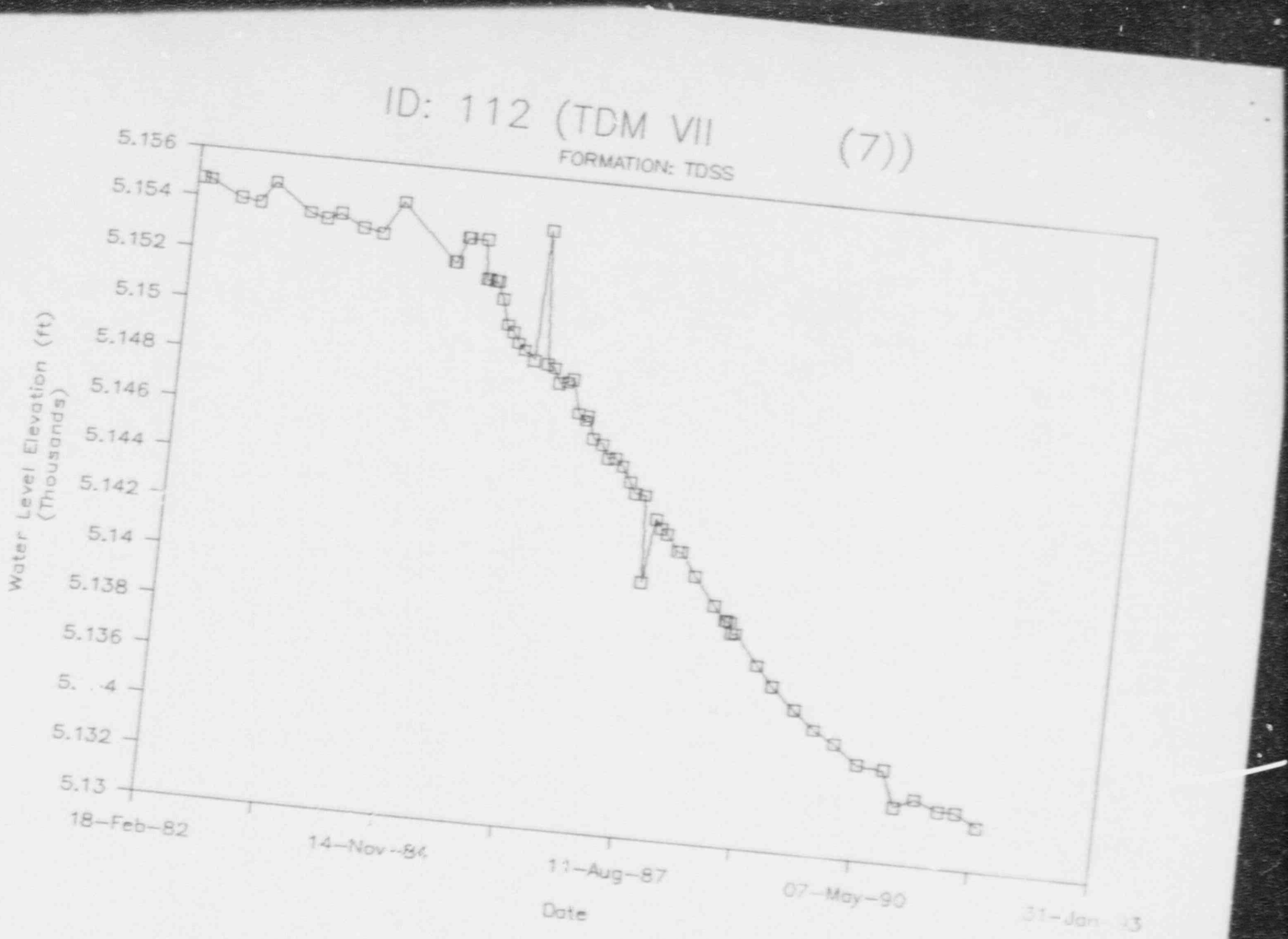
ATTACHMENT 3F HIGHLAND RESERVOIR

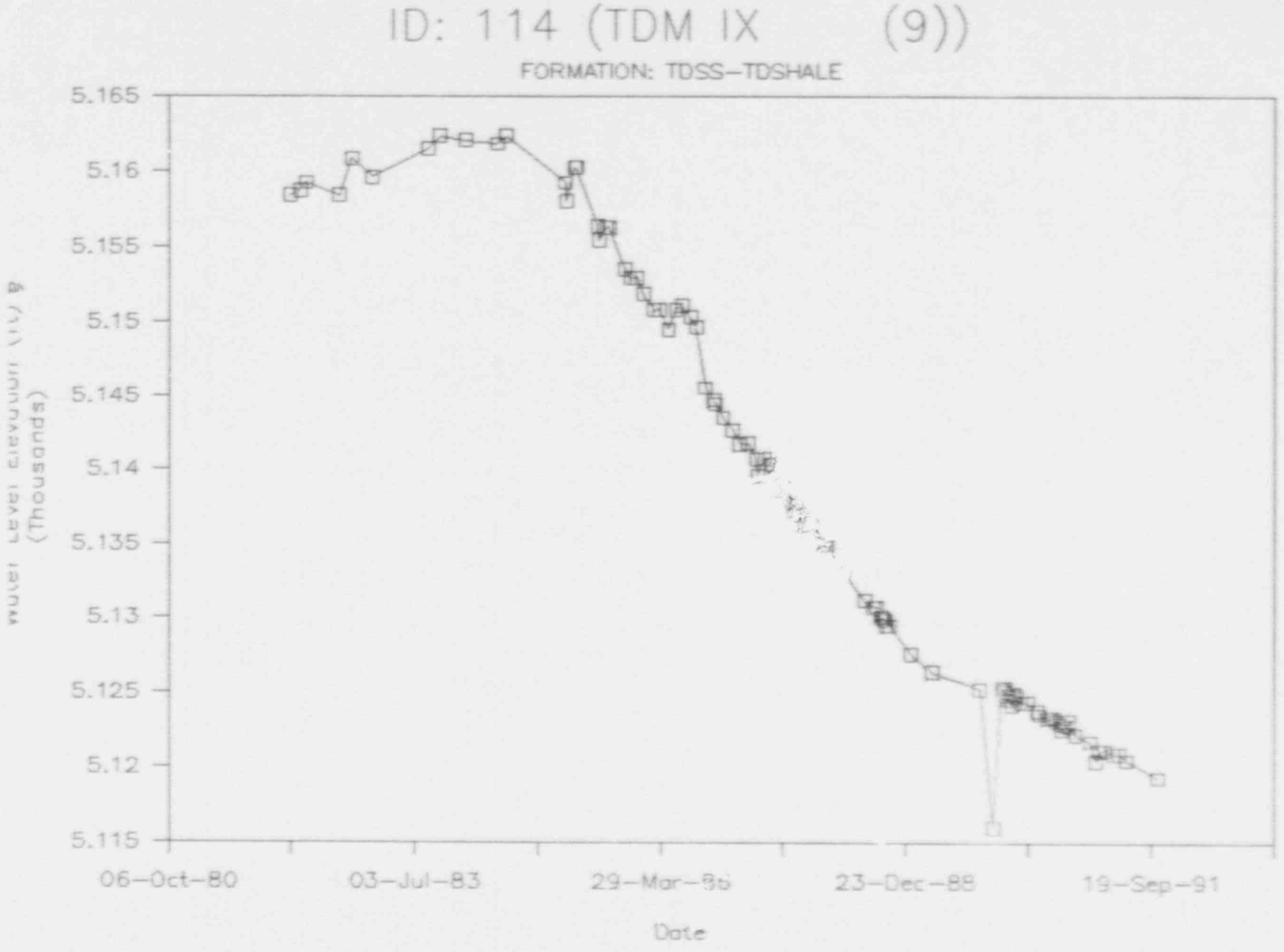
WELL NUMBER	WELL NAME	DATE	pH (S.U.)	TDS (mg/l)	SO4 (mg/l)	Cl (mg/l)	Na (mg/l)	MBT (mg/l)	As (mg/l)	Cd (mg/l)	Cr (mg/l)	Ni (mg/l)	Pb (mg/l)	Se (mg/l)	Gro Alpha (pCi/l)	Ra226 (pCi/l)	Ra228 (pCi/l)	Ra226+228 (pCi/l)	Th230 (pCi/l)	UNAT (pCi/l)
167	HIGHLAND	02/29/88	7.8	611	380	22			0.002					0.017		7.70				1780.00
	RESERVOIR	05/31/88	8.0	621					< 0.001					0.268		9.00				1952.00
		08/31/88	1.0	726	364	24	103	0.83	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.132		12.10				2526.00
		11/26/88	8.1	665					< 0.001					0.194		6.80				2158.00
	Average 1988		8.8	656	332	23	103	0.83	< 0.002	< 0.002	< 0.010	< 0.020	< 0.05	0.153		8.90				2099.00
		01/15/89	7.8	677	450	31			0.001					0.151		5.00				2084.00
		05/23/89	8.1	677					< 0.001					0.195		3.60				1906.00
		08/29/89	8.1	683	360	34	107	0.53	0.001	0.003	< 0.010	< 0.020	< 0.05	0.063		5.70				1665.00
	Average 1989		8.0	679	405	32	107	0.53	< 0.001	0.005	< 0.010	< 0.020	< 0.05	0.158		4.90				1885.00
		01/18/90	7.8	770	340	28			< 0.001					0.341		2.00				1917.00
		08/28/90	8.7	731	312	32	105	0.63	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.163		4.80				461.00
	Average 1990		8.2	750	326	30	105	0.63	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.752		3.40				1189.00
		01/14/91	7.6	715	452	22.6	101						< 0.05	0.155		5.10				1627.48
		08/04/91	8.4	704	392	24.9	90.2	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.157		3.50				1738.00
	Average 1991		8.0	710	422	23.8	96	< 0.01	< 0.001	< 0.002	< 0.010	< 0.020	< 0.05	0.156		4.30				1682.20

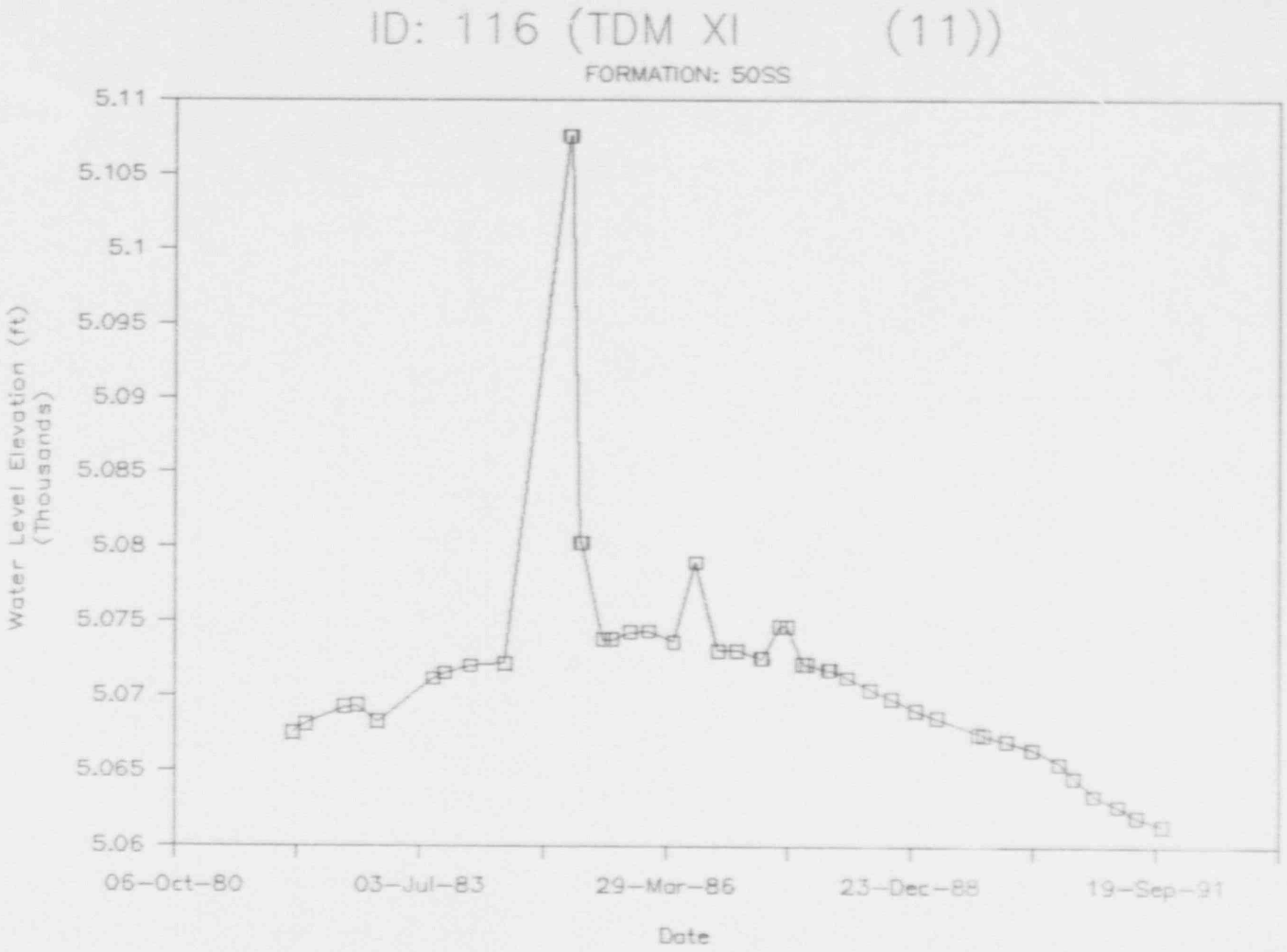
ID: 015 (TDM WELL D, REPL. SECT. 22)

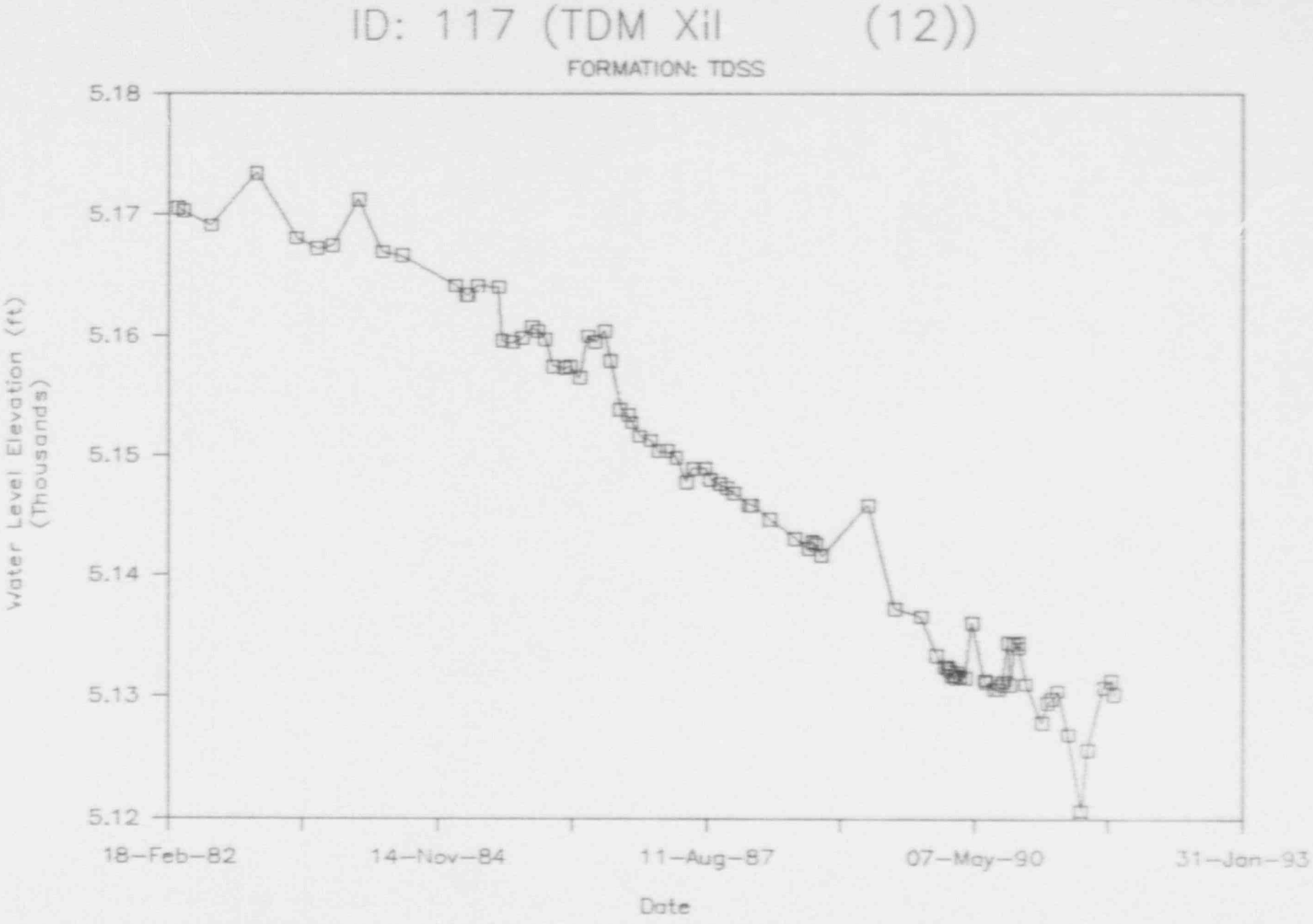
FORMATION: TDSS

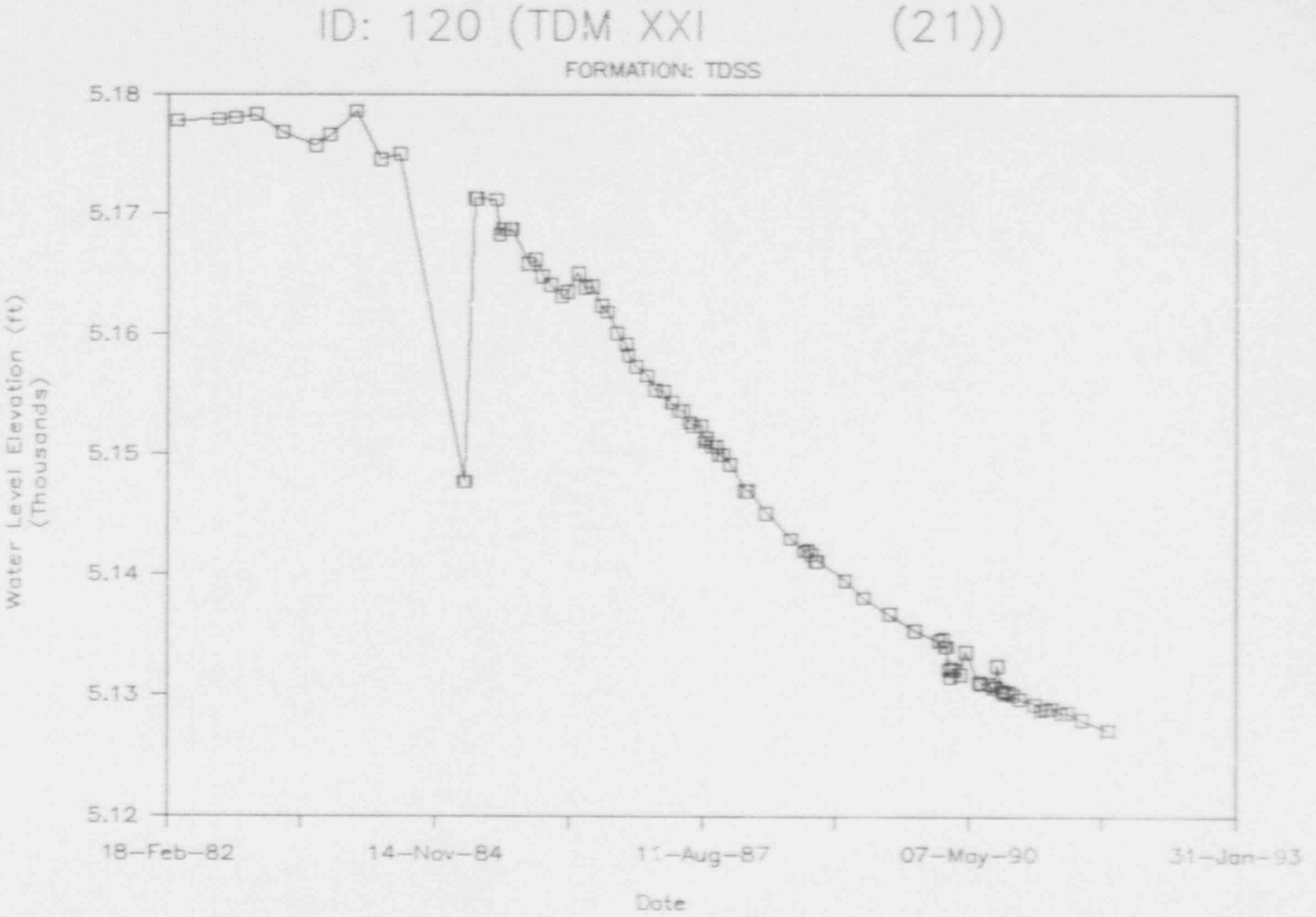



ID: 112 (TDM VII (7))
FORMATION: TDSS
5.156
5.154
5.152
5.15
5.148
5.146
5.144
5.142
5.14
5.138
5.136
5.134
5.132
5.13
Water Level Elevation (ft)
(Thousands)
18-Feb-82
14-Nov-84
11-Aug-87
07-May-90
Date


ID: 114 (TDM IX (9))
FORMATION: TDSS-TDSHALE
5.165
5.16
5.155
5.15
5.145
5.14
5.135
5.13
5.125
5.12
5.115
Water Level Elevation (ft) (Thousands)
06-Oct-80
03-Jul-83
29-Mar-86
23-Dec-88
19-Sep-91
Date

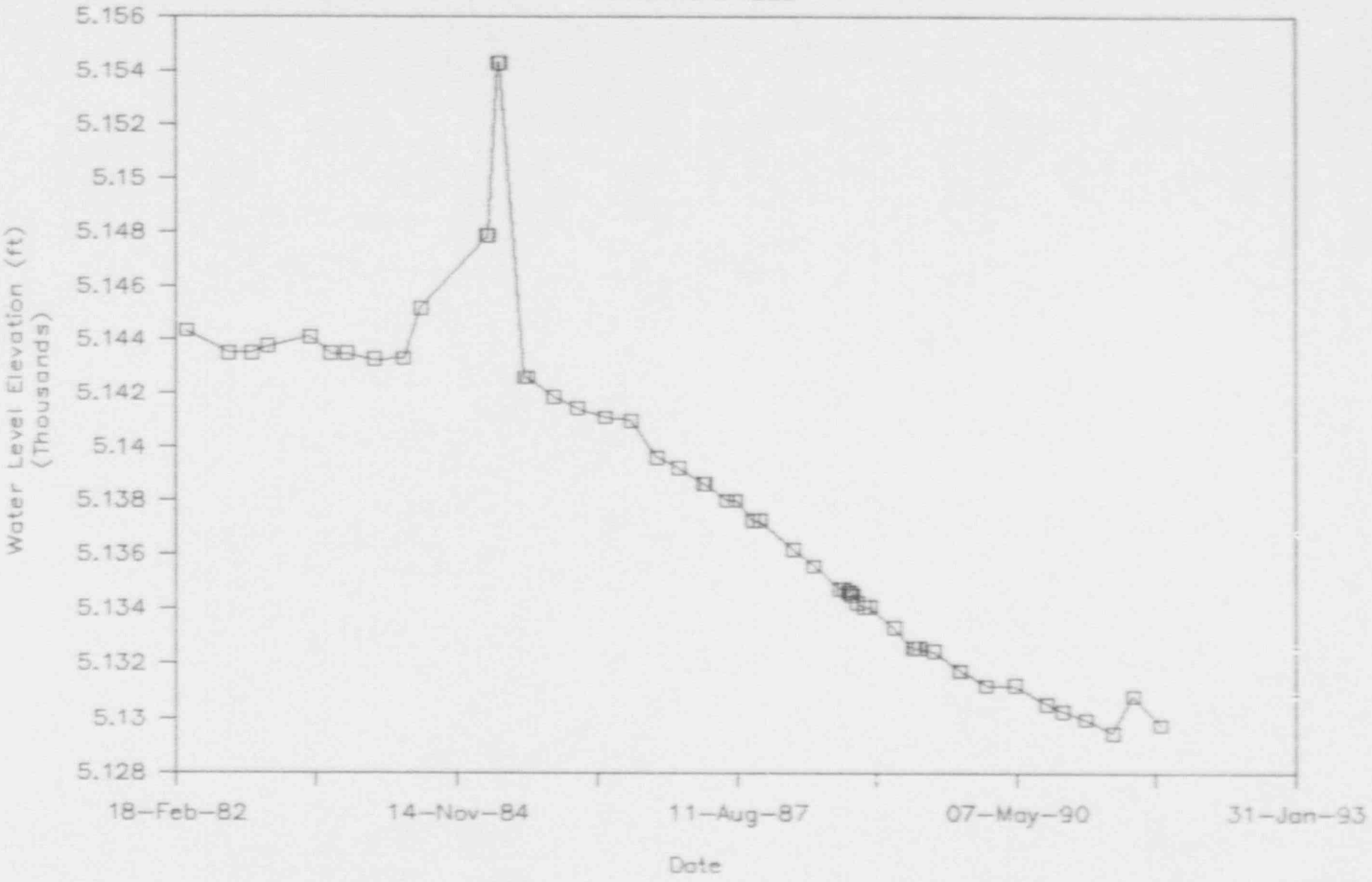

ID: 116 (TDM XI (11))
FORMATION: 50SS
5.11
5.105
5.1
5.095
5.09
5.085
5.08
5.075
5.07
5.065
5.06
Water Level Elevation (ft)
(Thousands)
06-Oct-80
03-Jul-83
29-Mar-86
23-Dec-88
19-Sep-91
Date


ID: 117 (TDM XiI (12))
FORMATION: TDSS
5.18
5.17
5.16
5.15
5.14
5.13
5.12
Water Level Elevation (ft)
(Thousands)
18-Feb-82
14-Nov-84
11-Aug-87
07-May-90
31-Jan-93
Date


ID: 120 (TDM XXI (21))
FORMATION: TDSS
5.18
5.17
5.16
5.15
5.14
5.13
5.12
Water Level Elevation (ft)
(Thousands)
18-Feb-82
14-Nov-84
11-Aug-87
07-May-90
31-Jan-93
Date

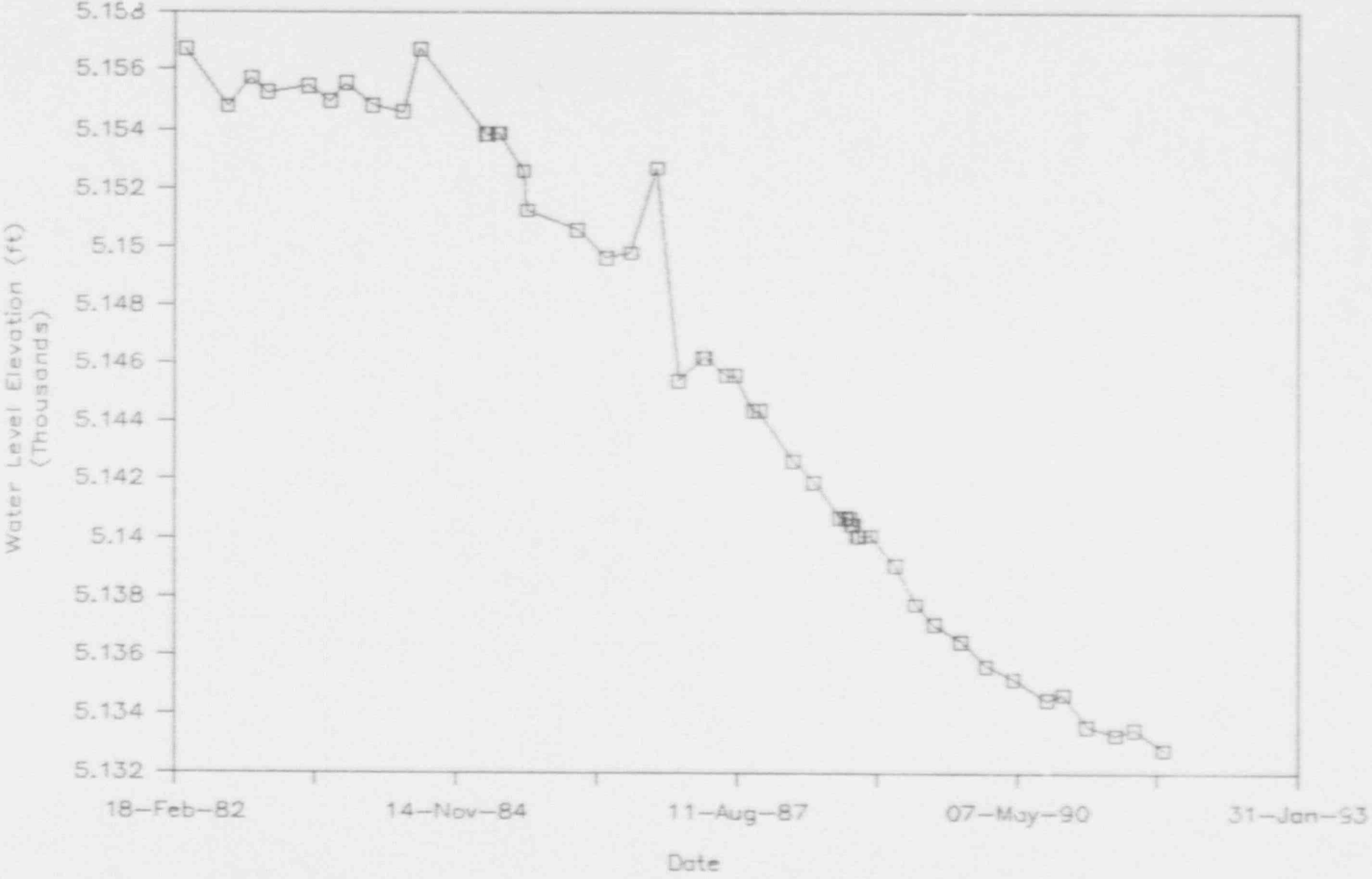
ID: 125 (TDM XXVI (26))

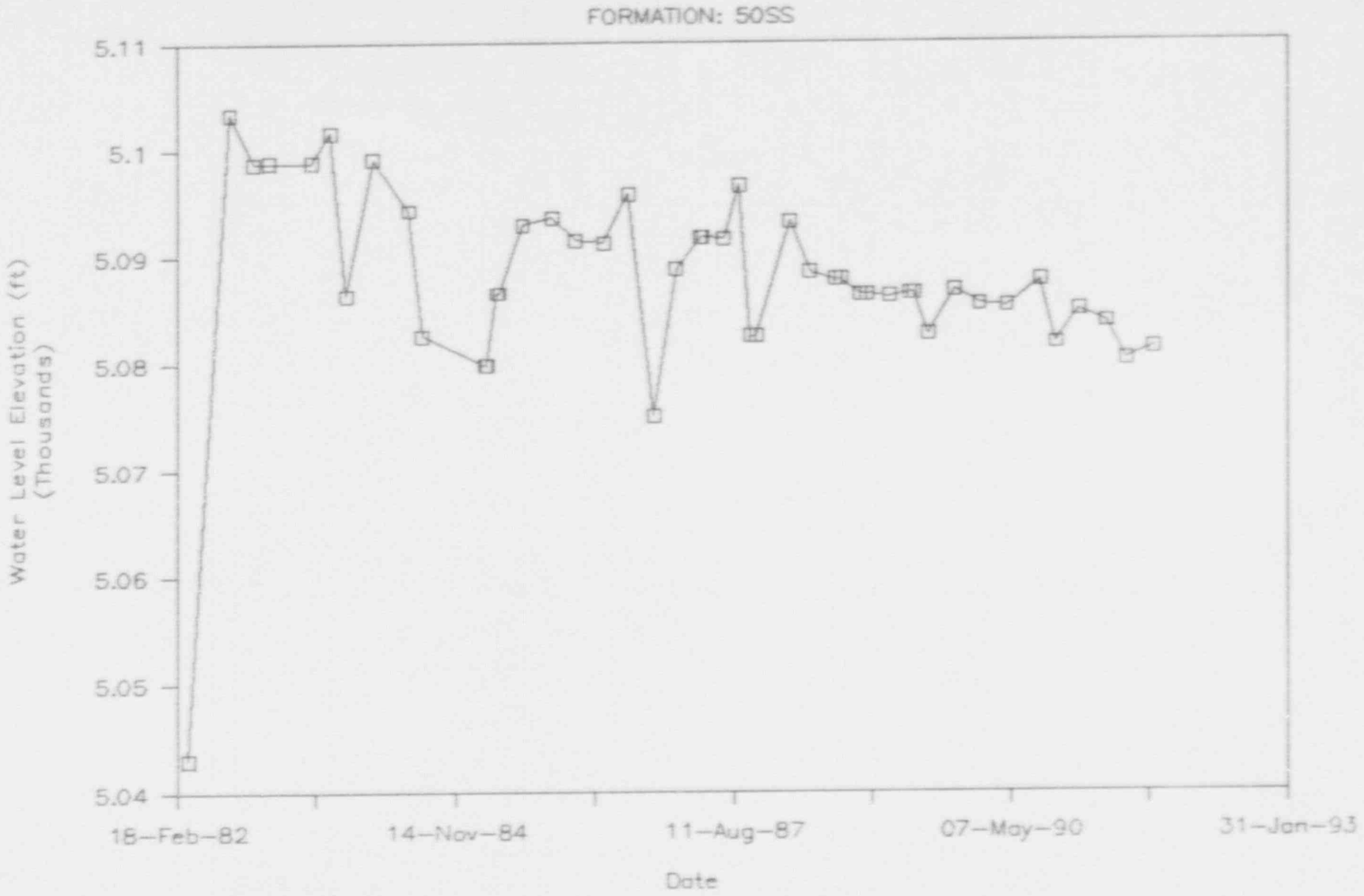
FORMATION: TDSS

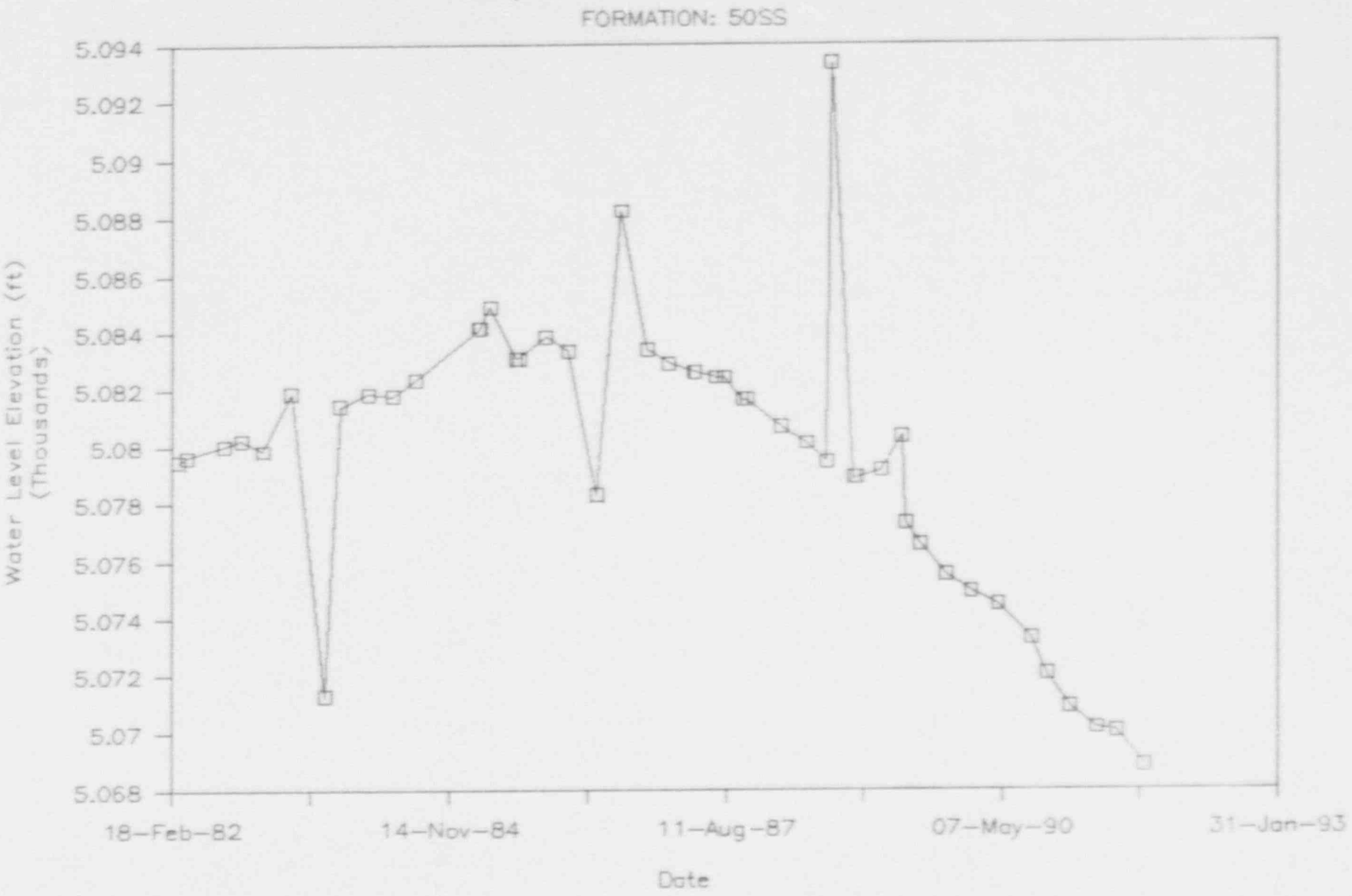


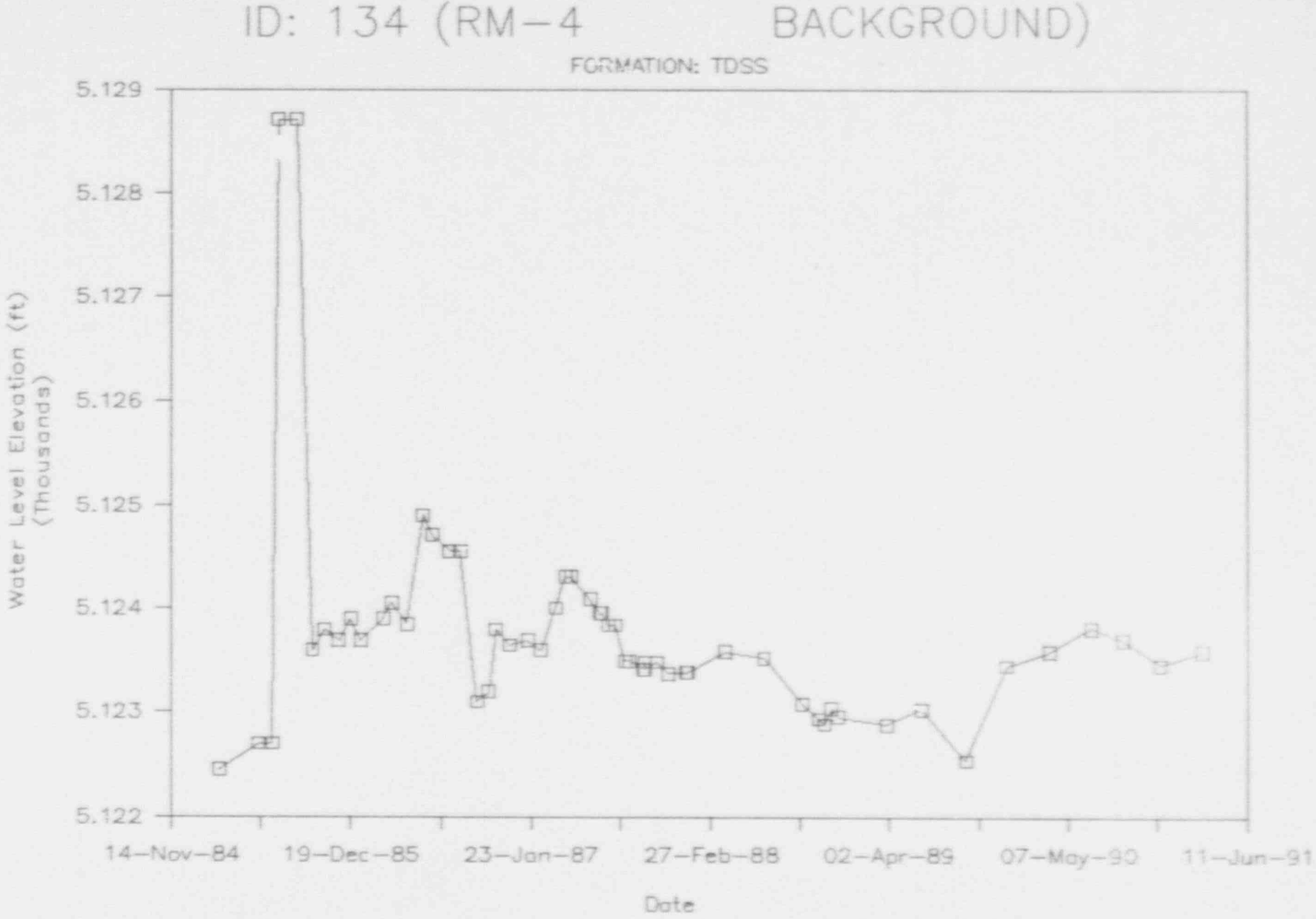
ID: 127 (TDM XXVIII (28))

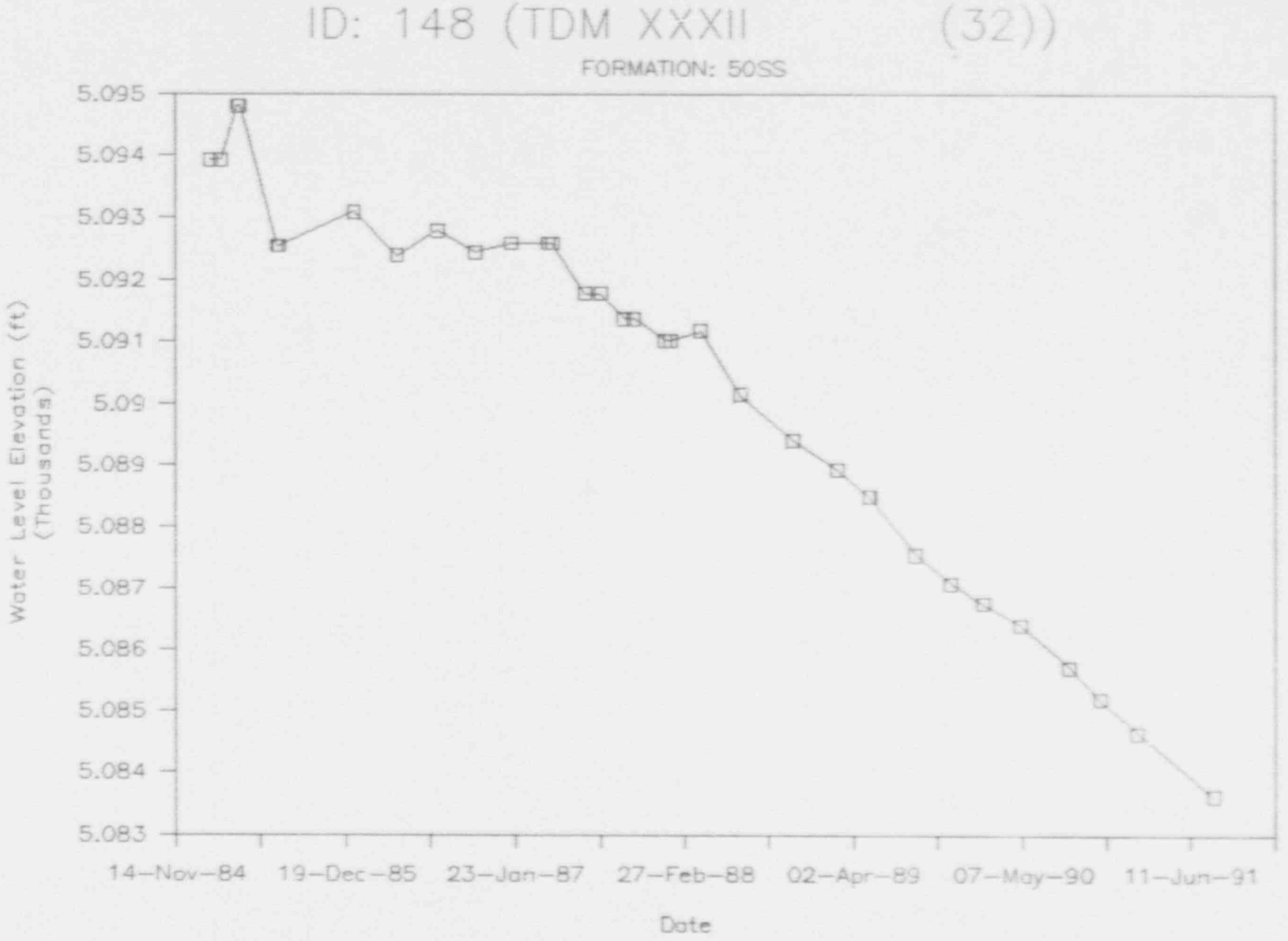
FORMATION: TDSS




ID: 128 (TDM XXIX (29))
FORMATION: 50SS
5.11
5.1
5.09
5.08
5.07
5.06
5.05
5.04
Water Level Elevation (ft)
(Thousands)
18-Feb-82
14-Nov-84
11-Aug-87
07-May-90
31-Jan-93
Date

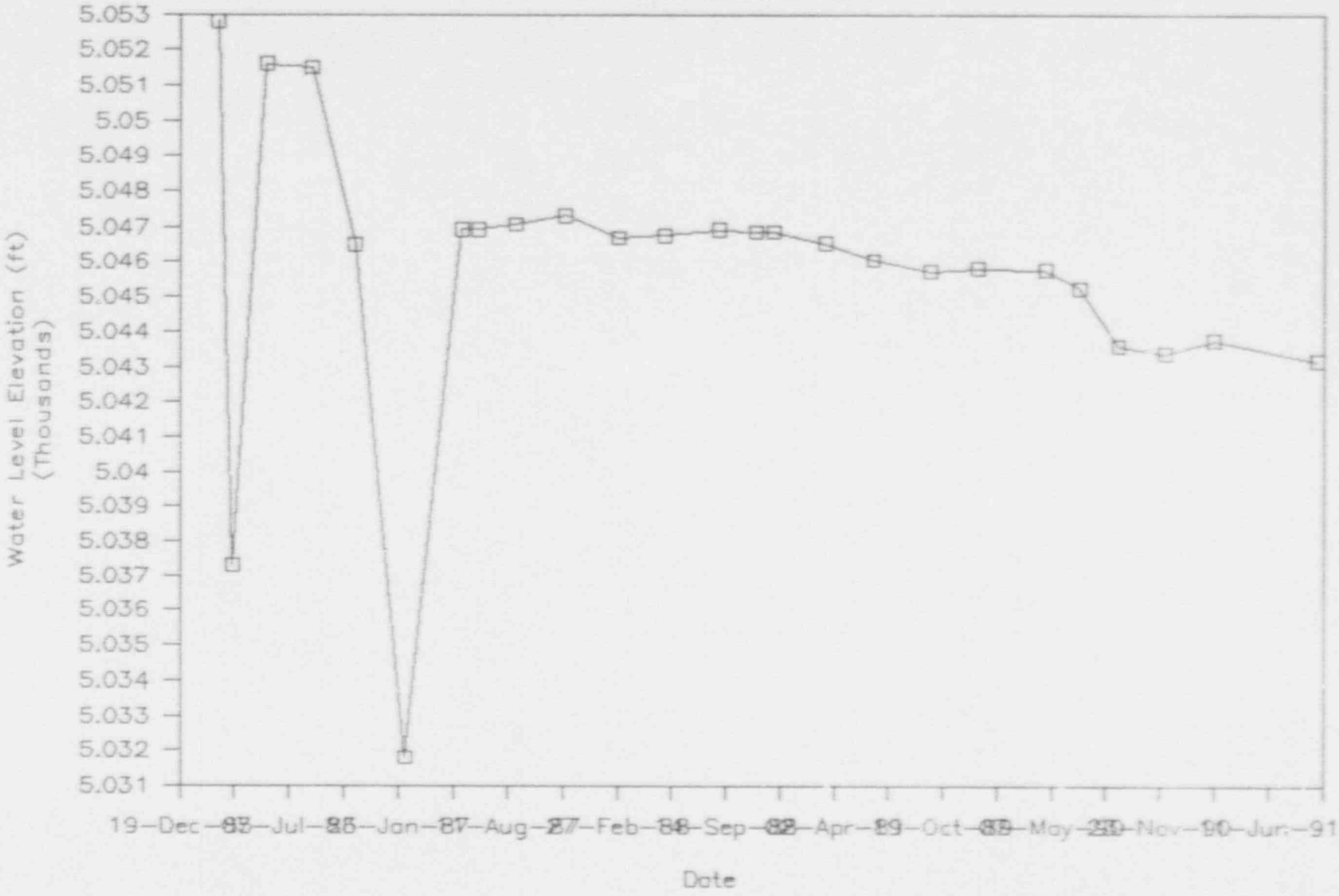

ID: 129 (TDM XXX (30))
FORMATION: 50SS
5.094
5.092
5.09
5.088
5.086
5.084
5.082
5.08
5.078
5.076
5.074
5.072
5.07
5.068
Water Level Elevation (ft)
(Thousands)
18-Feb-82
14-Nov-84
11-Aug-87
07-May-90
31-Jan-93
Date


ID: 134 (RM-4 BACKGROUND)
FORMATION: TDSS
5.129
5.128
5.127
5.126
5.125
5.124
5.123
5.122
Water Level Elevation (ft)
(Thousands)
14-Nov-84
19-Dec-85
23-Jan-87
27-Feb-88
02-Apr-89
07-May-90
11-Jun-91
Date


ID: 148 (TDM XXXII (32))
FORMATION: 50SS
Water Level Elevation (ft)
(Thousands)
5.095
5.094
5.093
5.092
5.091
5.09
5.089
5.088
5.087
5.086
5.085
5.084
5.083
14-Nov-84
19-Dec-85
23-Jan-87
27-Feb-88
02-Apr-89
07-May-90
11-Jun-91
Date

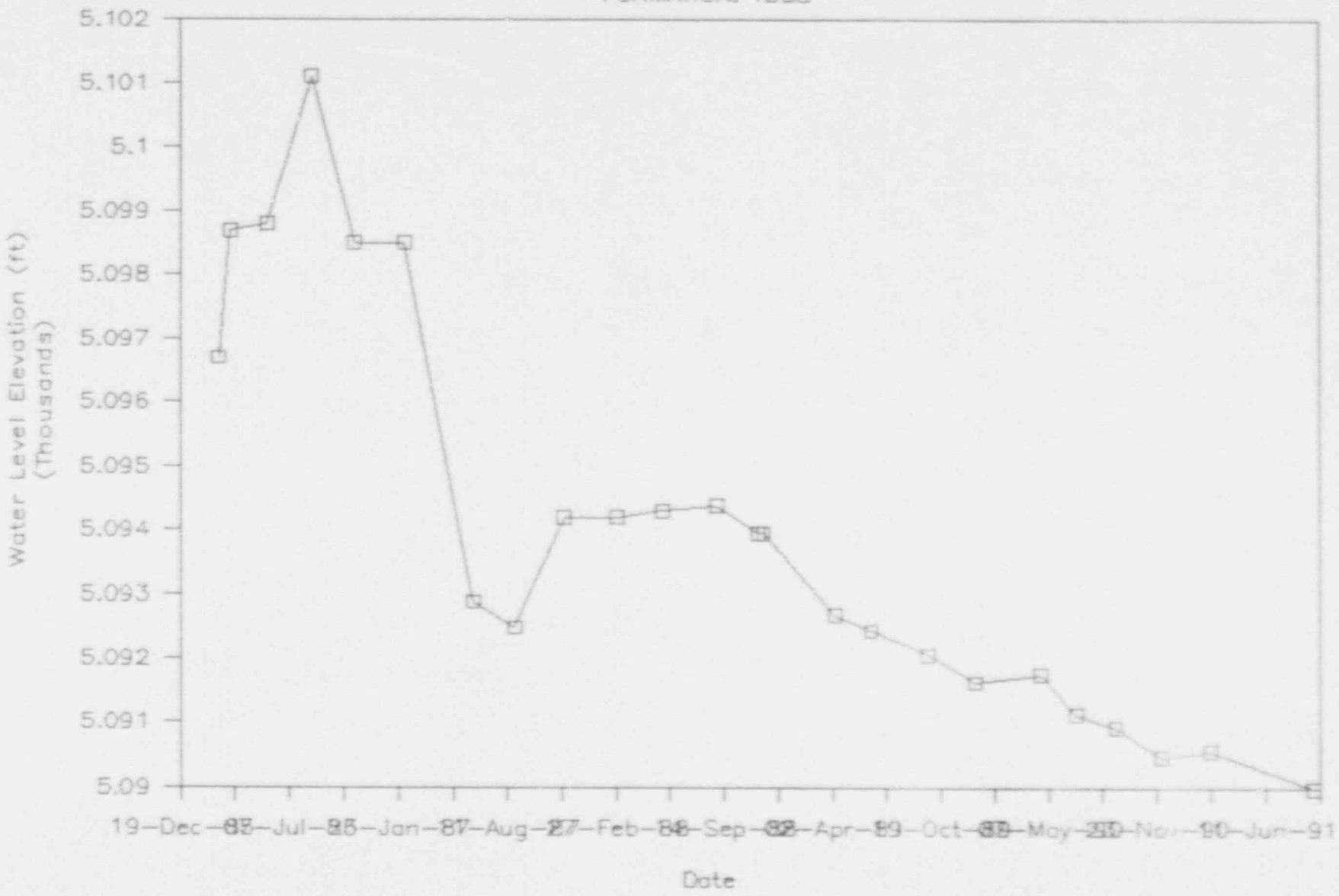
ID: 171 (TDM XXXVIII (38))

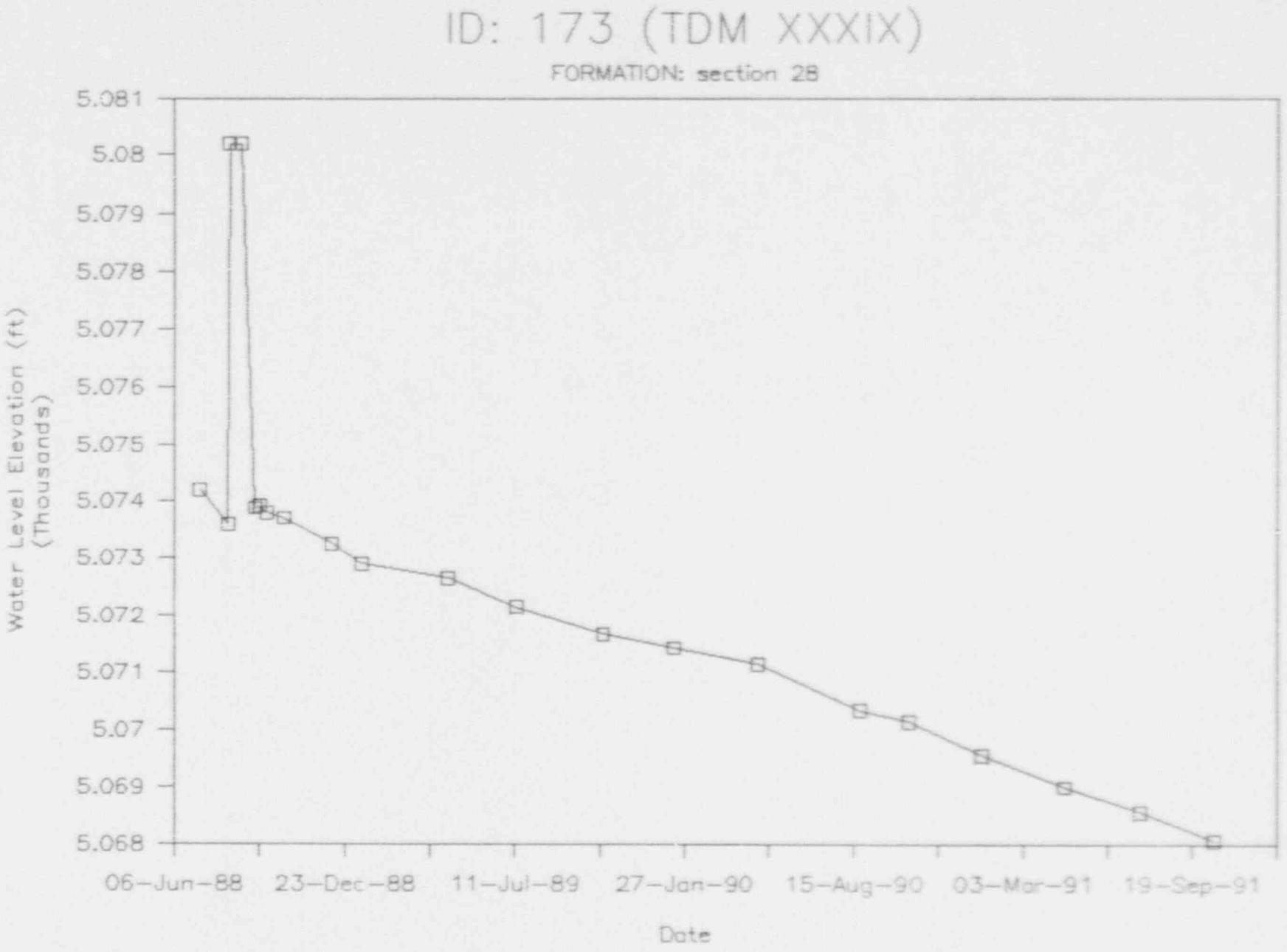
FORMATION: BACKFILL

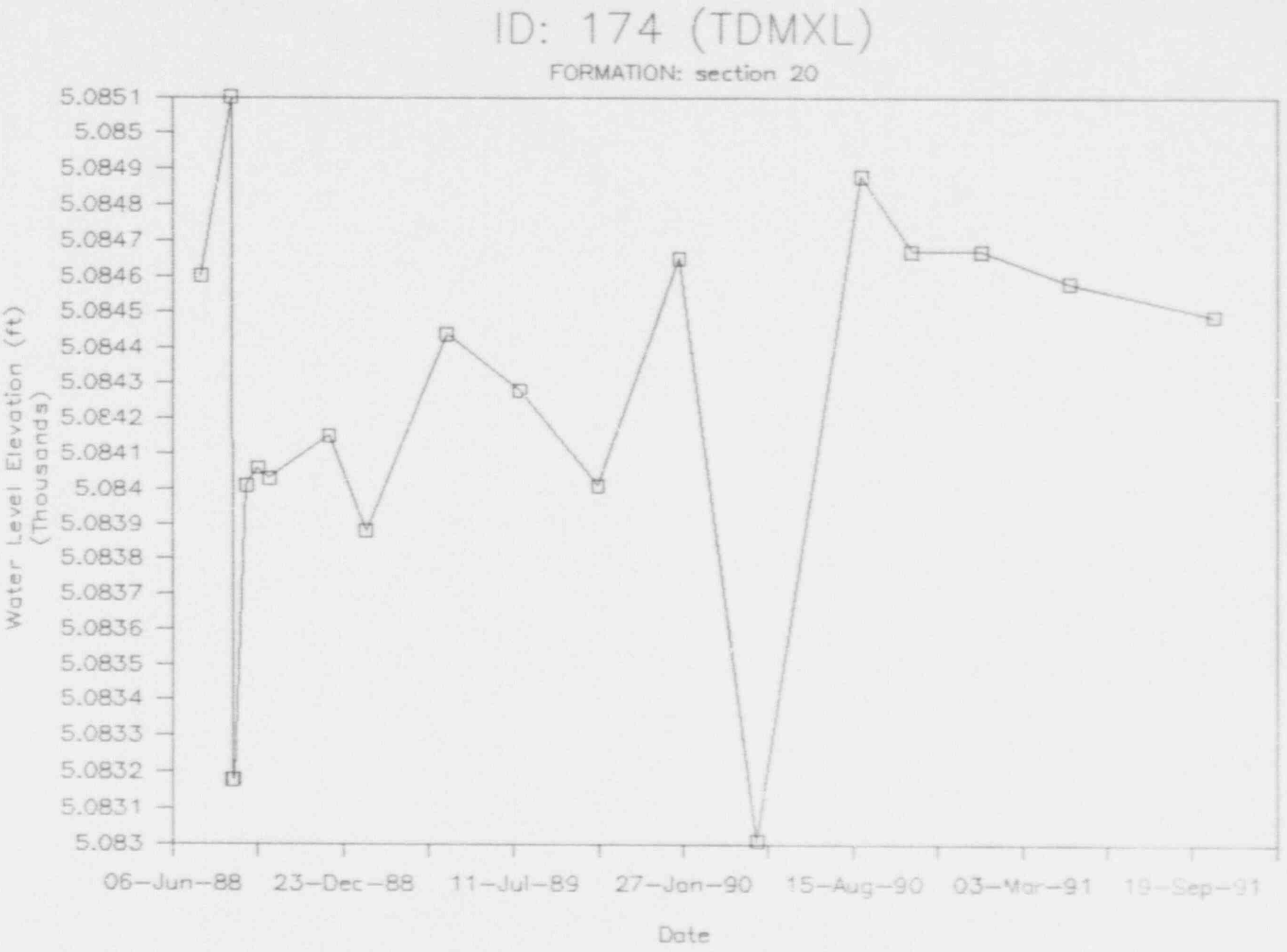


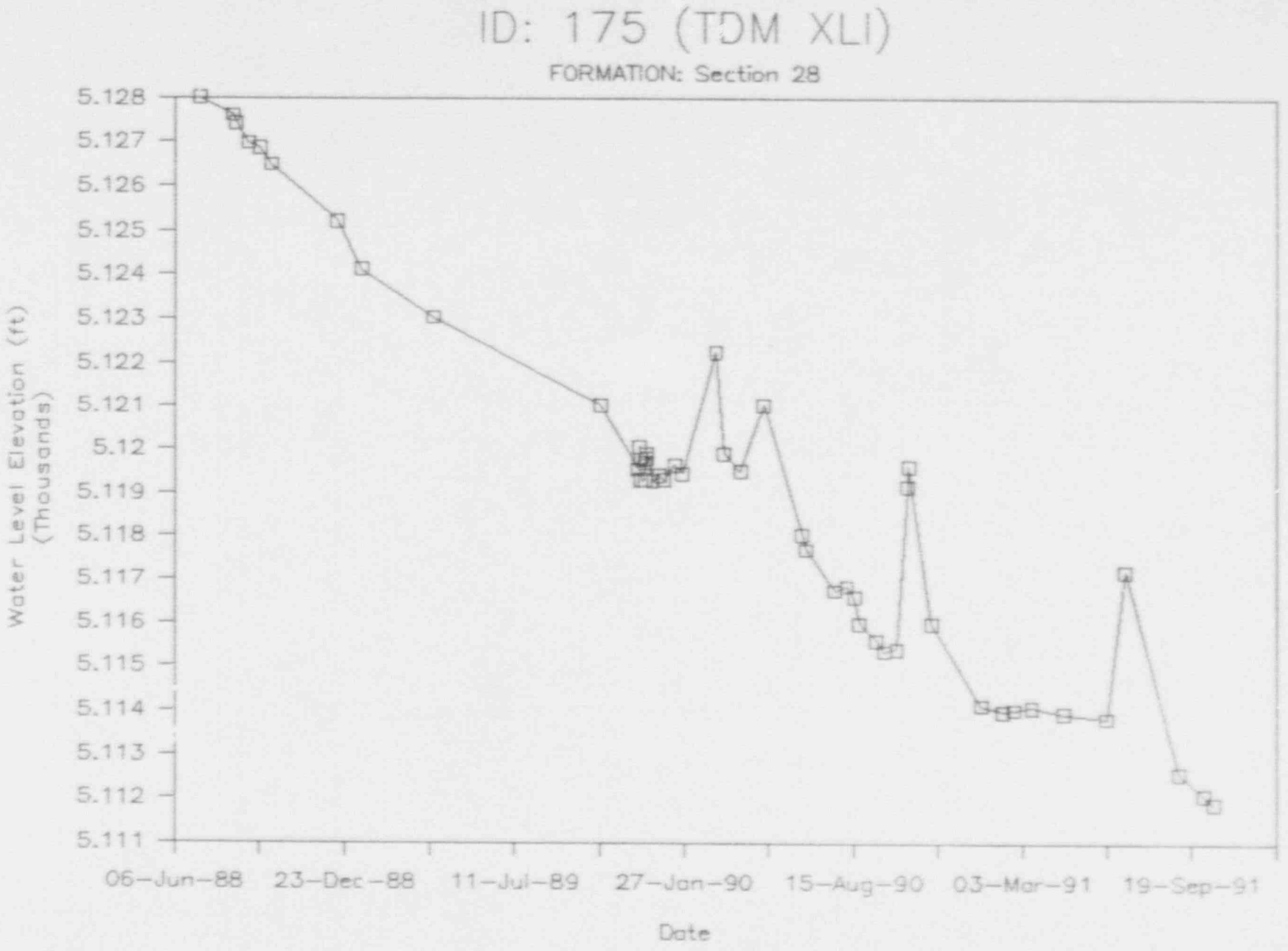
ID: 172 (SM – EM–5 drilled December 79)

FORMATION: TDSS



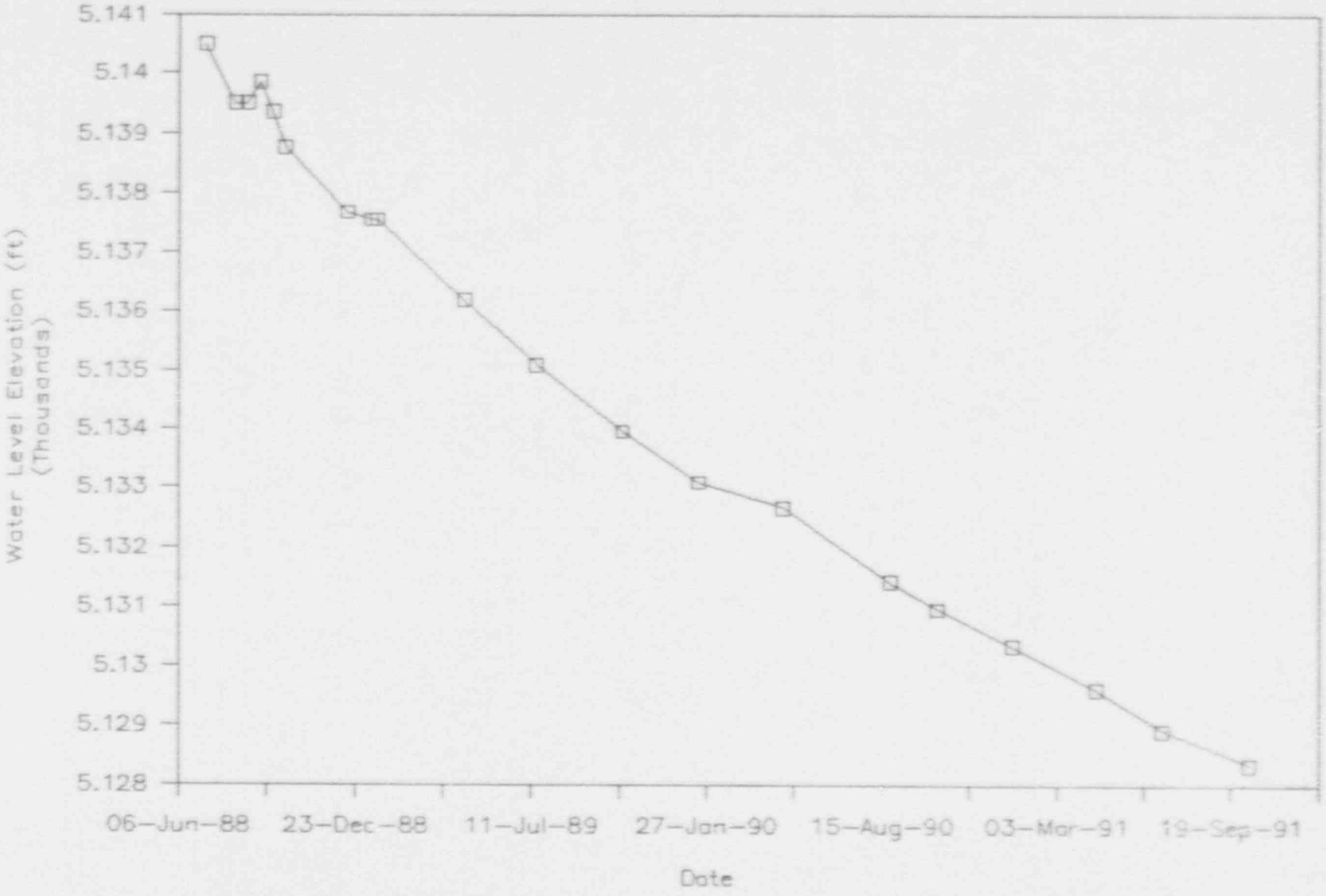

ID: 173 (TDM XXXIX)
FORMATION: section 28
5.081
5.08
5.079
5.078
5.077
5.076
5.075
5.074
5.073
5.072
5.071
5.07
5.069
5.068
Water Level Elevation (ft)
(Thousands)
06-Jun-88
23-Dec-88
11-Jul-89
27-Jan-90
15-Aug-90
03-Mar-91
19-Sep-91
Date


ID: 174 (TDMXL)
FORMATION: section 20
Water Level Elevation (ft)
(Thousands)
5.0851
5.085
5.0849
5.0848
5.0847
5.0846
5.0845
5.0844
5.0843
5.0842
5.0841
5.084
5.0839
5.0838
5.0837
5.0836
5.0835
5.0834
5.0833
5.0832
5.0831
5.083
06-Jun-88
23-Dec-88
11-Jul-89
27-Jan-90
15-Aug-90
03-Mar-91
19-Sep-91
Date


ID: 175 (TDM XLI)
FORMATION: Section 28
Water Level Elevation (ft)
(Thousands)
5.128
5.127
5.126
5.125
5.124
5.123
5.122
5.121
5.12
5.119
5.118
5.117
5.116
5.115
5.114
5.113
5.112
5.111
06-Jun-88
23-Dec-88
11-Jul-89
27-Jan-90
15-Aug-90
03-Mar-91
19-Sep-91
Date

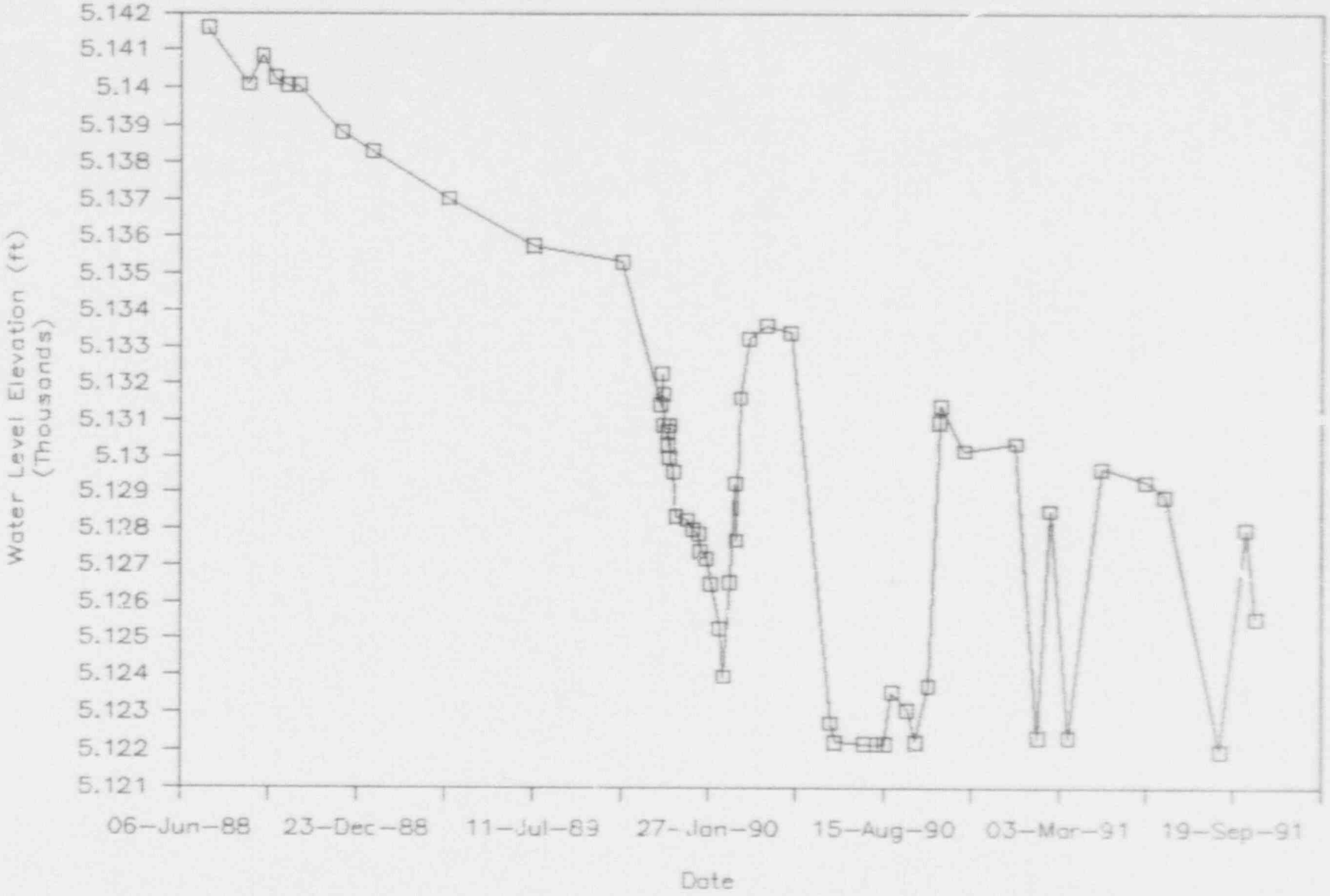
ID: 176 (TDM XLII)

FORMATION: Section 21



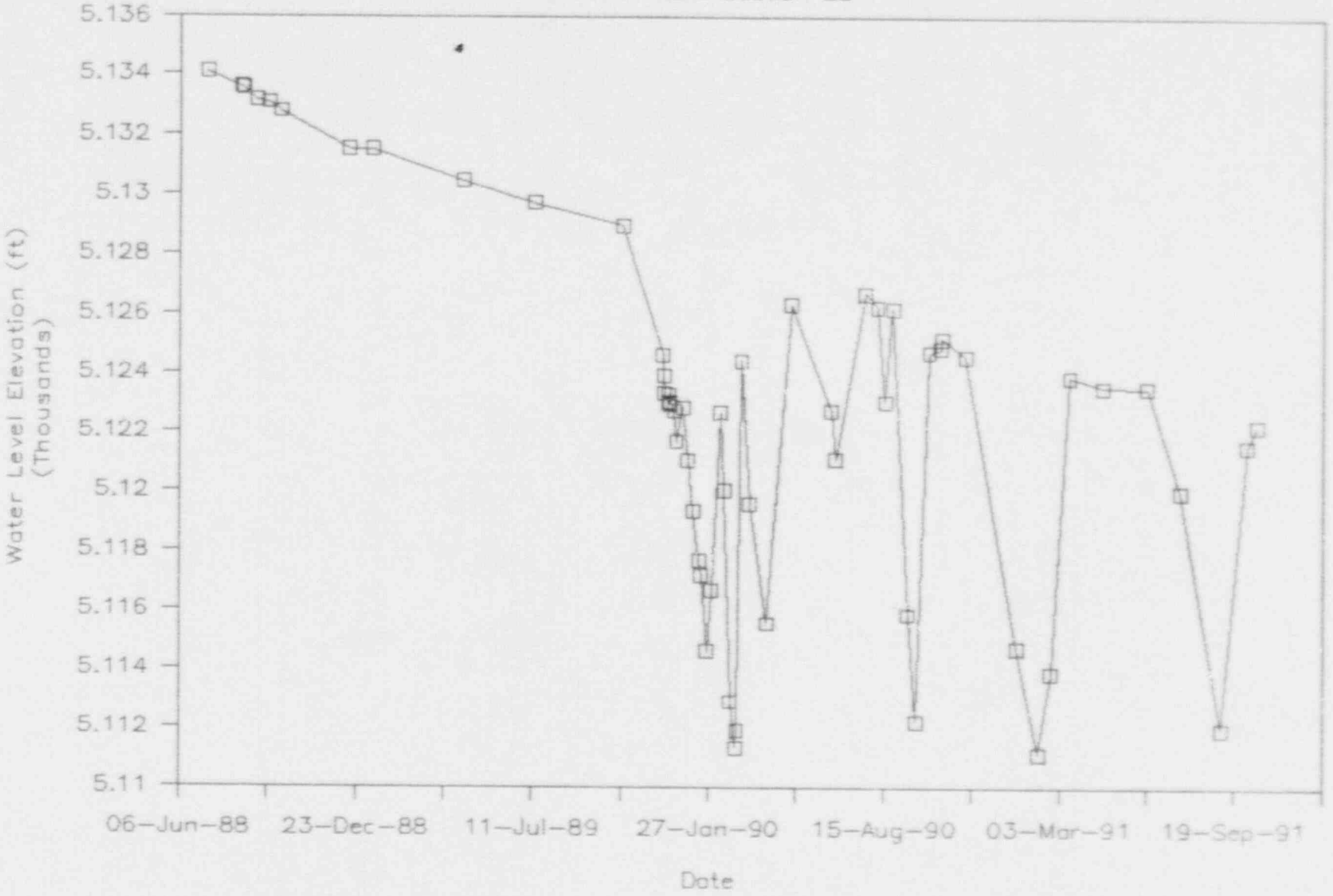
ID: 177 (TDM XLIII)

FORMATION: Section 28



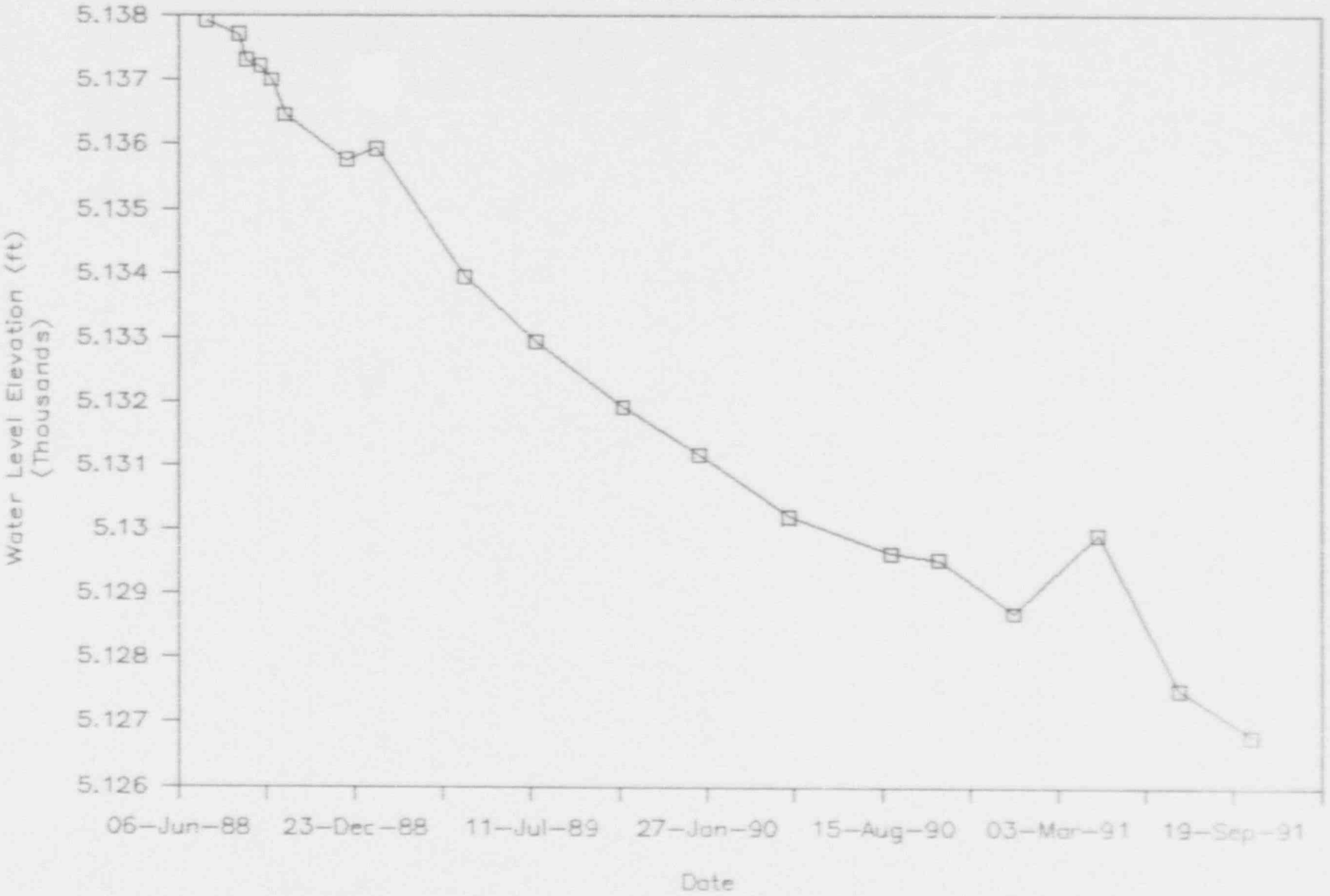
ID: 178 (TDM XLIV)

FORMATION: Section 28



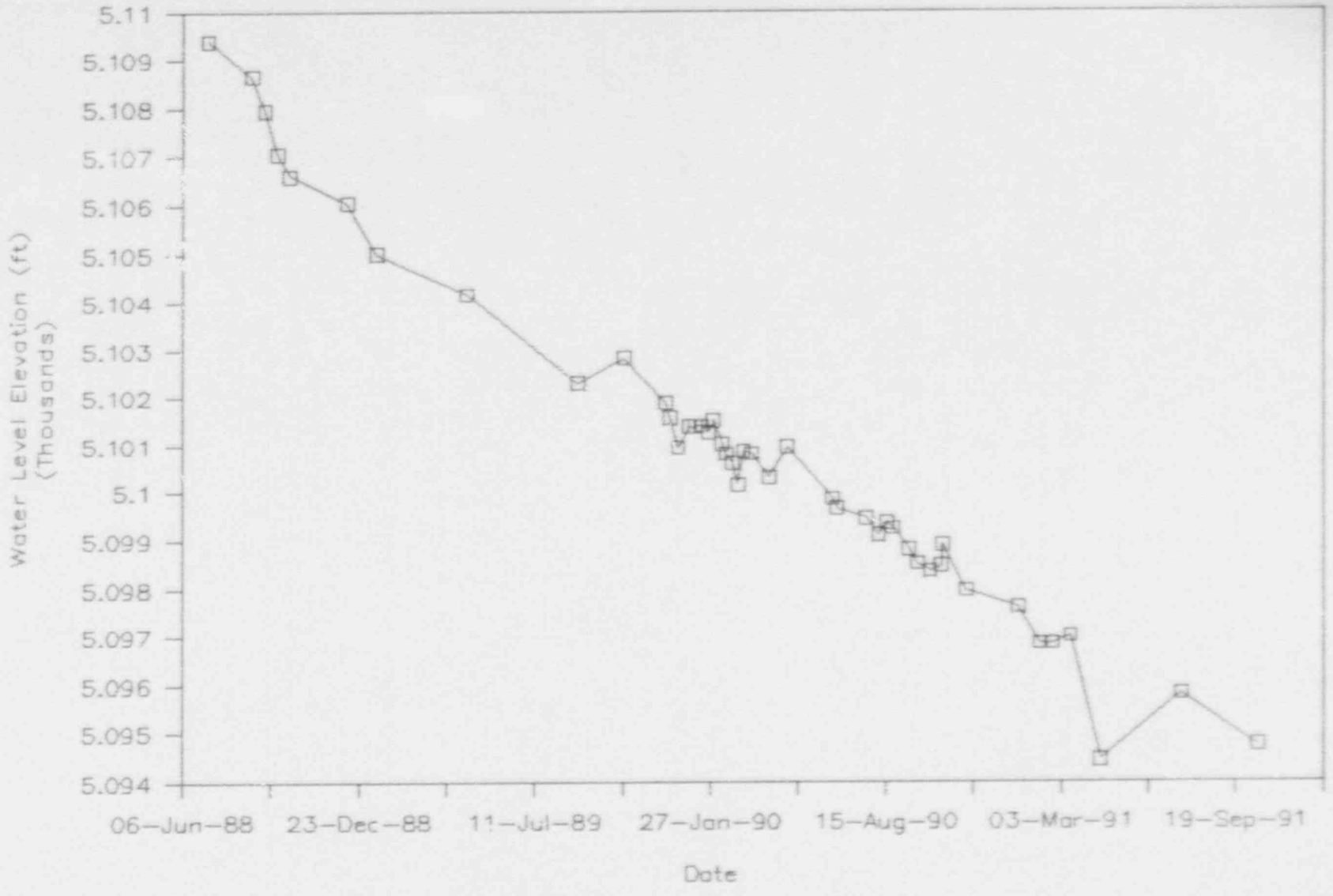
ID: 179 (TDM XLV)

FORMATION: Section 21



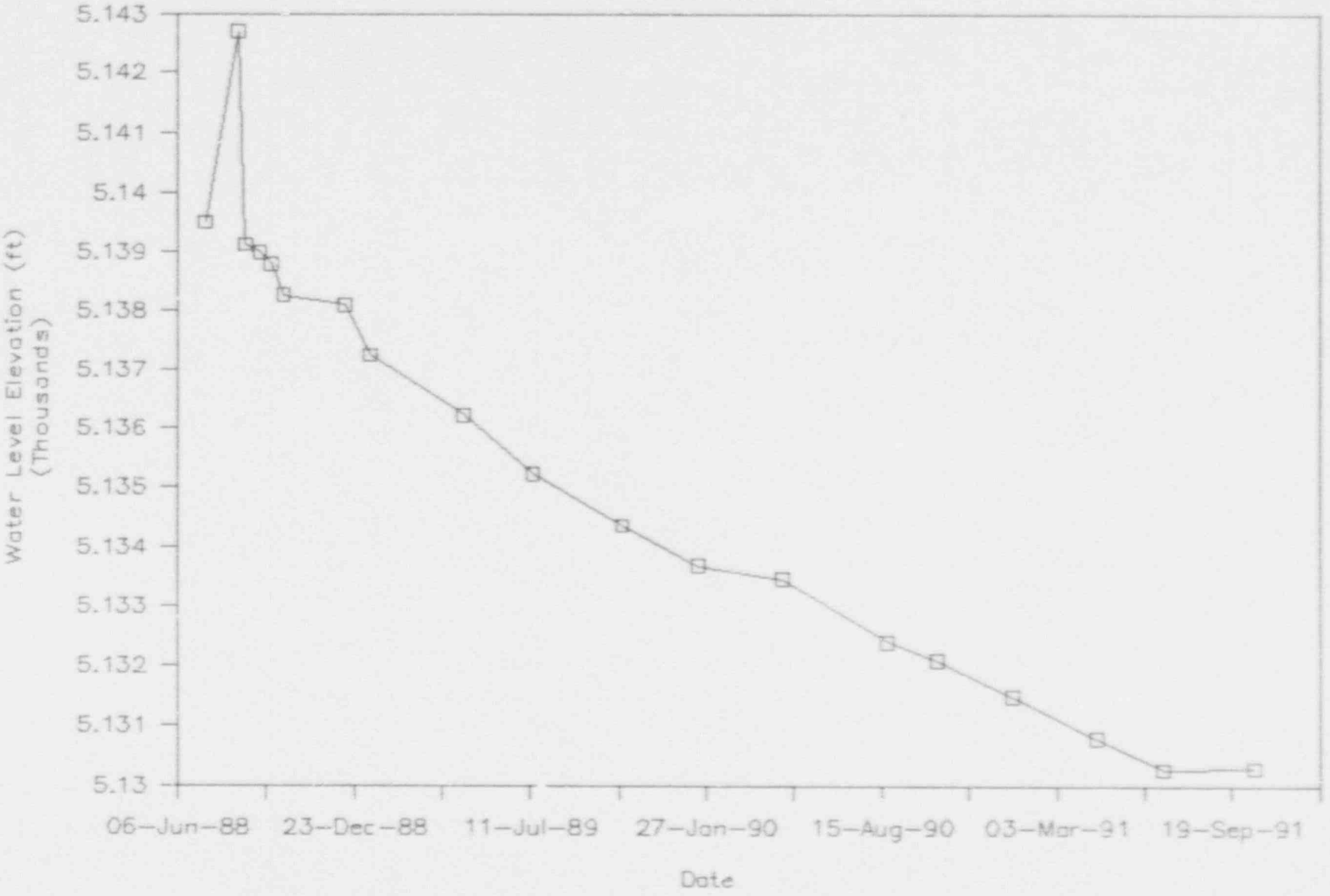
ID: 180 (TDM XLVI)

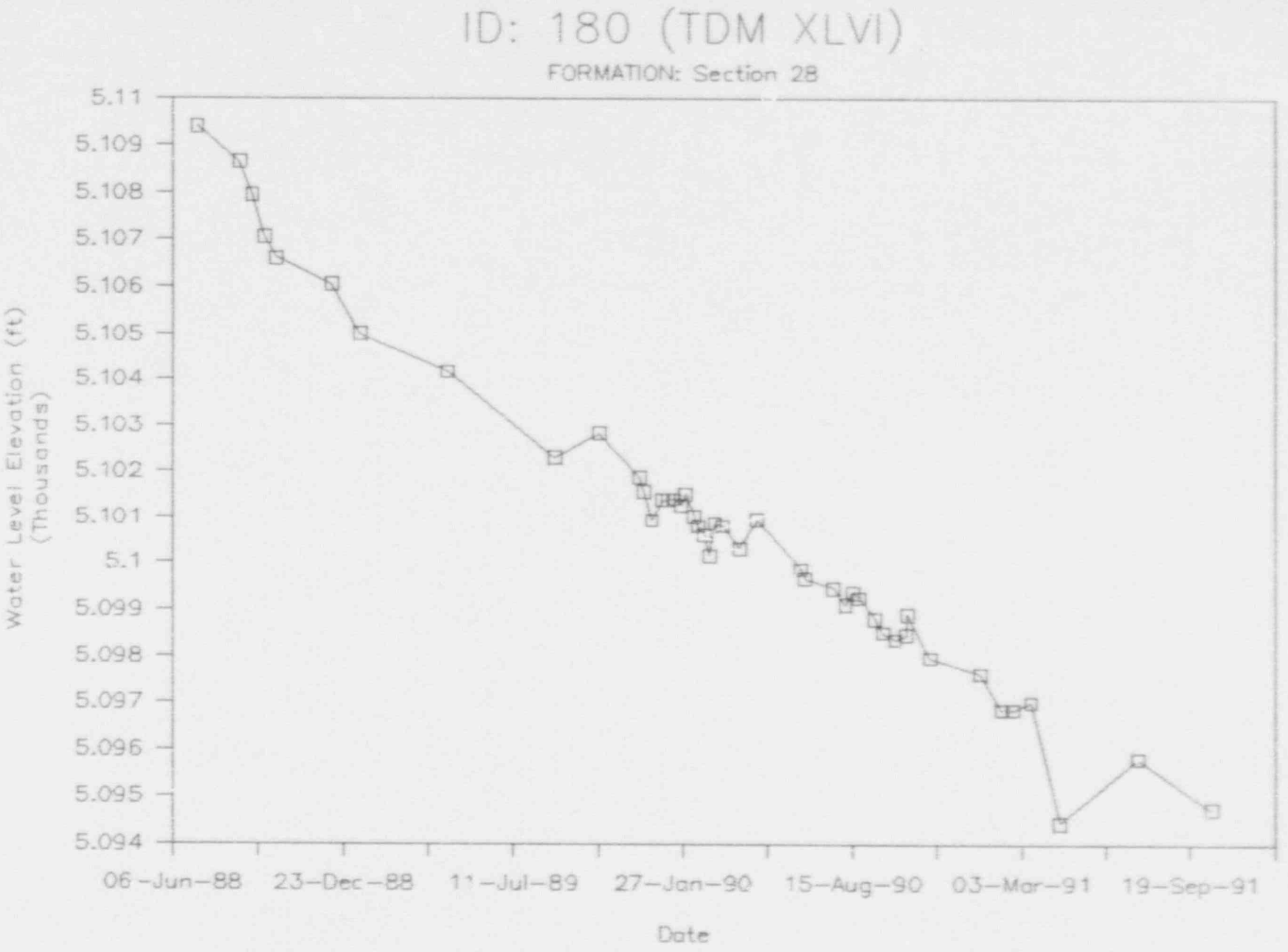
FORMATION: Section 28

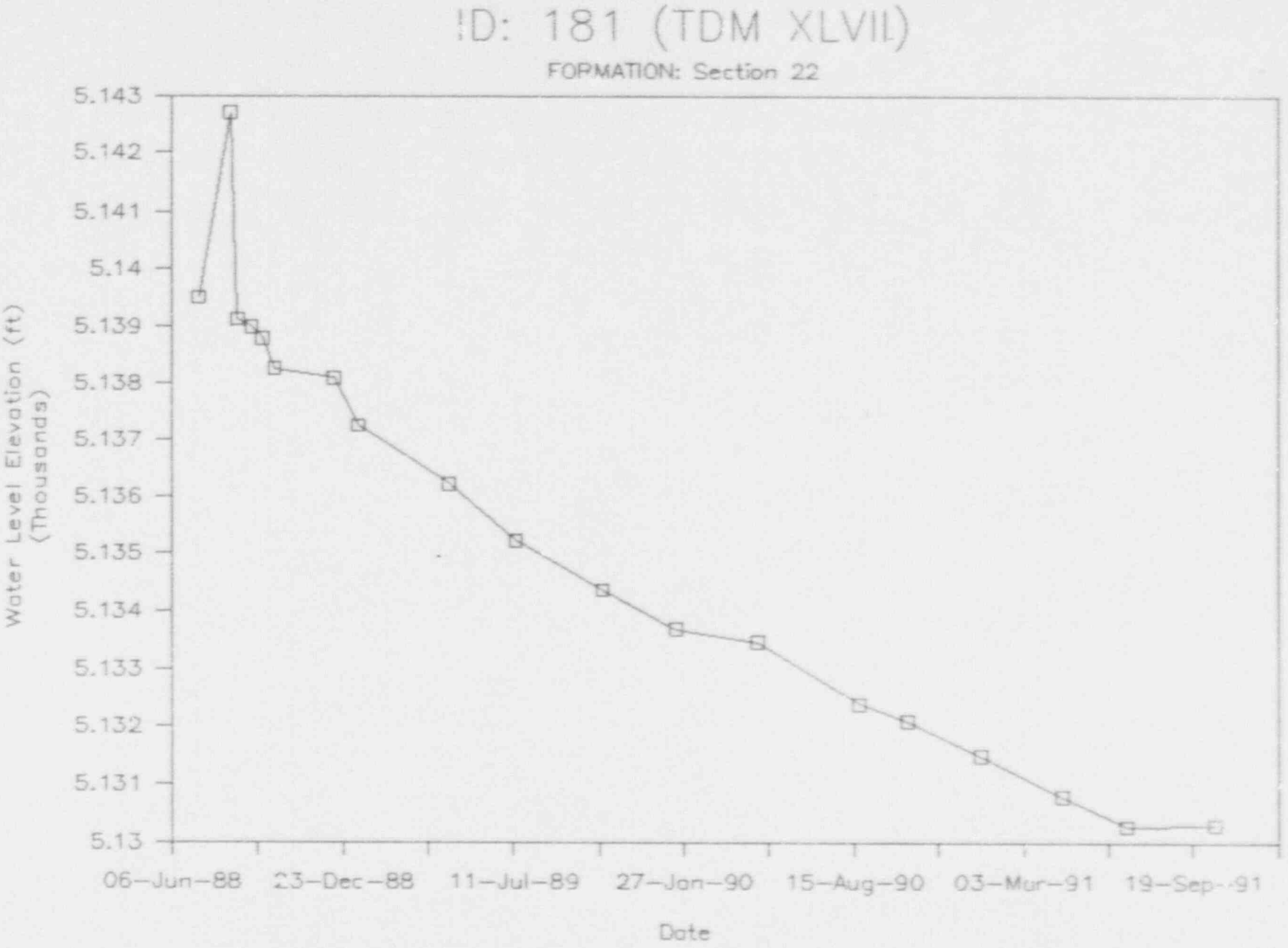


ID: 181 (TDM XLVII)

FORMATION: Section 22

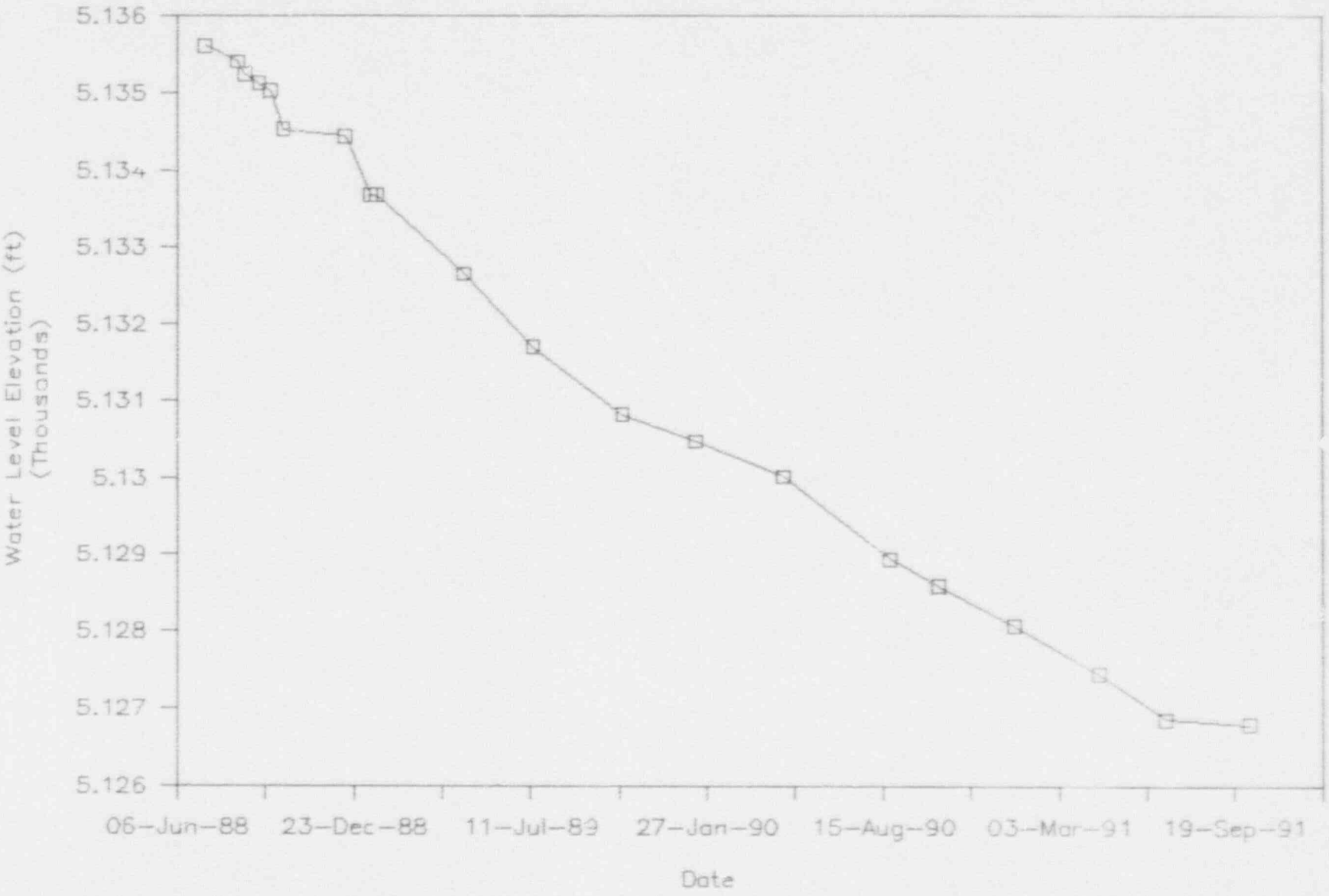


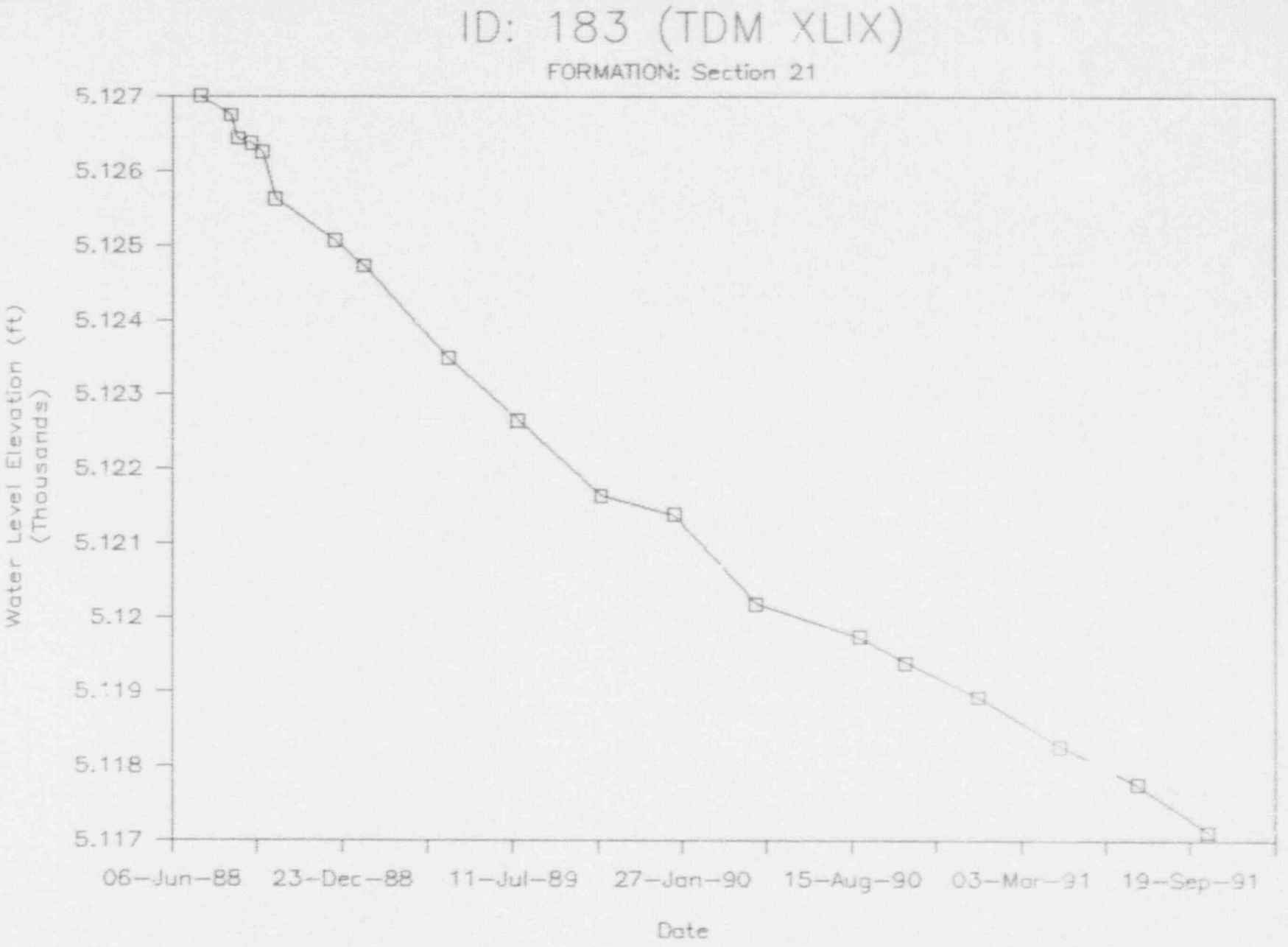

ID: 180 (TDM XLVI)
FORMATION: Section 28
Water Level Elevation (ft)
(Thousands)
5.11
5.109
5.108
5.107
5.106
5.105
5.104
5.103
5.102
5.101
5.1
5.099
5.098
5.097
5.096
5.095
5.094
06-Jun-88
23-Dec-88
11-Jul-89
27-Jan-90
15-Aug-90
03-Mar-91
19-Sep-91
Date

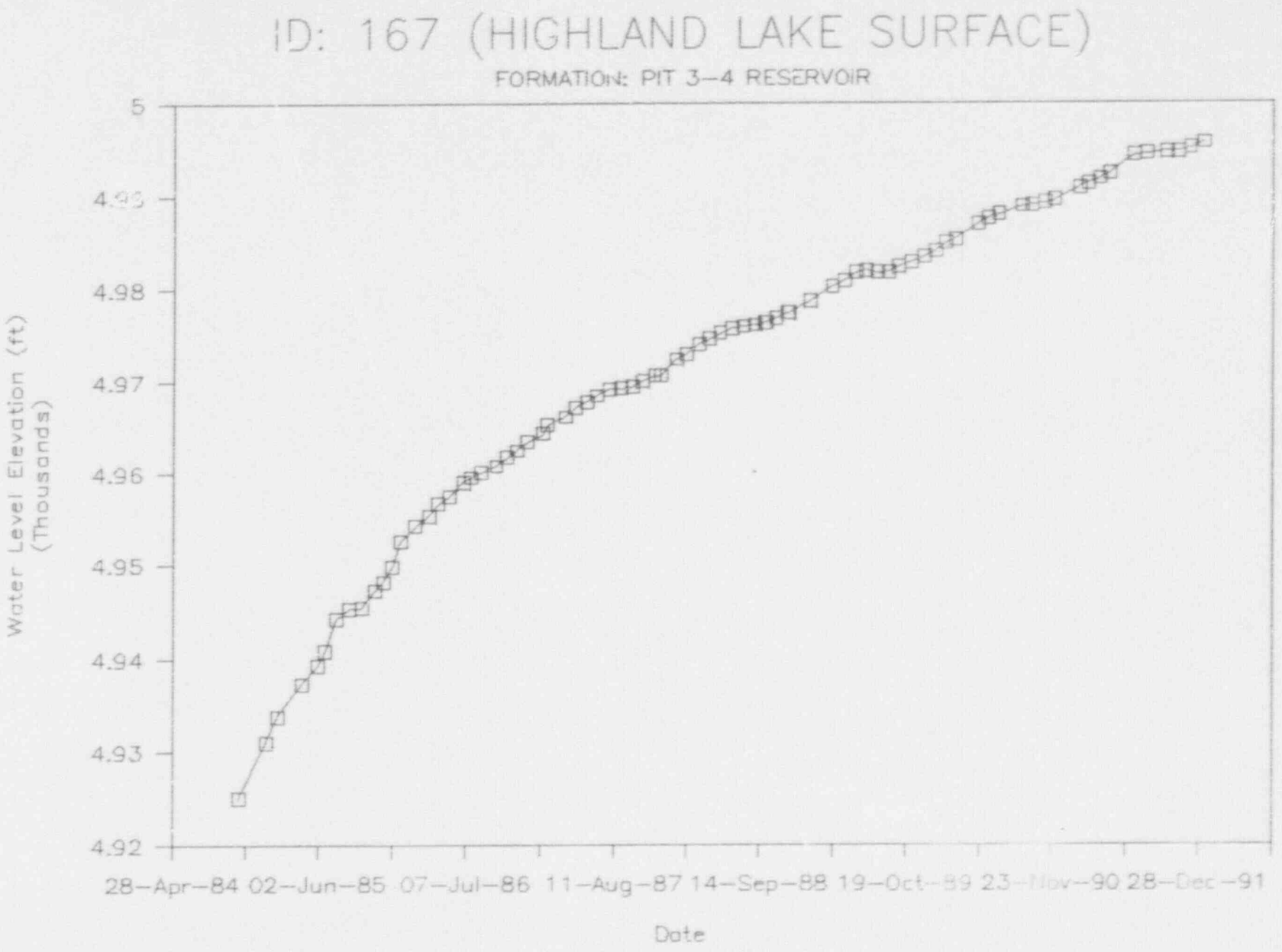

ID: 181 (TDM XLVII)
FORMATION: Section 22
5.143
5.142
5.141
5.14
5.139
5.138
5.137
5.136
5.135
5.134
5.133
5.132
5.131
5.13
Water Level Elevation (ft)
(Thousands)
06-Jun-88
23-Dec-88
11-Jul-89
27-Jan-90
15-Aug-90
03-Mar-91
19-Sep-91
Date

ID: 182 (TDM XLVIII)

FORMATION: Section 22




ID: 183 (TDM XLIX)
FORMATION: Section 21
Water Level Elevation (ft)
(Thousands)
5.127
5.126
5.125
5.124
5.123
5.122
5.121
5.12
5.119
5.118
5.117
06-Jun-88
23-Dec-88
11-Jul-89
27-Jan-90
15-Aug-90
03-Mar-91
19-Sep-91
Date


ID: 167 (HIGHLAND LAKE SURFACE)
FORMATION: PIT 3-4 RESERVOIR
Water Level Elevation (ft)
(Thousands)
5
4.99
4.98
4.97
4.96
4.95
4.94
4.93
4.92
28-Apr-84
02-Jun-85
07-Jul-86
11-Aug-87
14-Sep-88
19-Oct-89
23-Nov-90
28-Dec-91
Date