

**INSTALLATION RESTORATION PROGRAM (IRP)
STAGE 3**

**GROUNDWATER SAMPLING AND ANALYSIS PROGRAM
APRIL THROUGH JUNE 1993
DATA SUMMARY**

FINAL COPY

FOR

**McCLELLAN AFB/EM
McCLELLAN AFB, CALIFORNIA 95652-5990**

September 1993

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Brooks AFB, Texas 78235-5000**

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PREFACE

Radian Corporation is the contractor for the Installation Restoration Program, Stage 3 Remedial Investigation/Feasibility Study at McClellan Air Force Base (AFB), California. This work was performed for the Air Force Center for Environmental Excellence, Environmental Services Office, Environmental Restoration Division (AFCEE/ESR) under Air Force Contract No. F33615-90-D-4013, Delivery Order 0004.

This Data Summary summarizes and presents the results of the Groundwater Sampling and Analysis Program for the period of April through June 1993. The data presented includes analytical results from monitoring and extraction well groundwater samples, and from groundwater-level data measured from on- and off-base wells.

Key Radian project personnel were:

Stephen Van De Wiel — Project Director
Liz Halverson — Technical Editor

Radian would like to acknowledge the cooperation of the McClellan AFB Office of Environmental Management Restoration. In particular, Radian acknowledges the assistance of Mr. Fran Slavich and Ms. Doris Varnadore.

The work presented herein was accomplished between 31 March 1993 and 30 June 1993. Mr. Patrick Haas, of AFCEE/ESR, was the Contracting Officer's Technical Project Manager.

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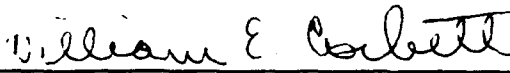

William E. Corbett
Program Manager

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1.0

INTRODUCTION

In support of ongoing Remedial Investigation/Feasibility Study (RI/FS) activities at McClellan Air Force Base (AFB), California, Radian Corporation (Radian) personnel measure water levels and collect and analyze groundwater samples from selected on- and off-base wells on a quarterly basis. This Data Summary provides, in tabular form, analytical results of data collected during the April through June 1993 (Second Quarter [2Q93]) sampling effort. Data are provided in the following nine tables:

- Table 1 — Wells Sampled and Analyses Performed;
- Table 2 — Wells Scheduled and Analyses to be Performed;
- Table 3 — Quarterly Groundwater-Level Data;
- Table 4 — Master Log of Wells Sampled;
- Table 5 — Wells Containing Analytes At Concentrations Equal to or Exceeding State and Federal Drinking Water Standards;
- Table 6 — Ambient Blanks with Associated Well Samples;
- Table 7 — Trip Blanks with Associated Well Samples;
- Table 8 — Summary of Quality Control Results for Blanks; and
- Table 9 — Summary of Qualified Data.

Six monitoring zones (A through F) are used to divide the groundwater regime, by depth and lithology, beneath McClellan AFB. McClellan AFB is also divided into six geographic sectors, designated A through F; these sectors encompass the entire base and adjacent off-base areas (Figure 1). Results are presented by zone and sector to support review and data use.

Groundwater levels were measured in 295 wells (including 248 monitoring wells, 39 piezometers, and 8 extraction wells) between 31 March and 02 April 1993. The

locations of all wells and piezometers are shown on Plate 1; water-level elevations are provided in Table 3. Potentiometric-surface contours are shown on Plates 2, 3, 4, and 5.

Radian personnel collected groundwater samples from a total of 89 locations between 05 April 1993 and 30 June 1993. The locations included 79 monitoring wells, 6 extraction wells, 1 composite sample of 6 Sector D extraction wells (EWs) (EW-73, EW-83, EW-84, EW-85, EW-86, and EW-87) collected from the Sector D pipeline, and 3 background wells.

Groundwater samples were analyzed by Radian Analytical Services (Austin, Texas) using United States Environmental Protection Agency (U.S. EPA) *Test Methods for Evaluating Solid Waste, Third Edition*, Physical/Chemical Methods SW846, (U.S. EPA, 1986). Selected samples were analyzed for the following analytes:

- Halogenated Volatile Organic Compounds (HVOCs) using Method 8010;
- Aromatic VOCs using Method 8020; and
- Metals using Methods 6010, 7060, 7421, 7470, and 7740.

A total of 80 locations (70 monitoring wells, 6 extraction wells, 1 extraction well composite, and 3 background wells) were sampled for Method 8010 analyses during 2Q93. Method 8020 analyses were performed on samples collected from 64 locations (including 55 monitoring wells, 5 extraction wells, 1 extraction well composite, and 3 background wells). Analysis by Methods 6010, 7060, 7421, 7470, and 7740 were performed on unfiltered (i.e., they were filtered prior to 4Q92) samples collected from 66 locations. All metal concentrations are total concentrations, whereas in the past, methods determined dissolved concentrations. The analytical results of all these analyses are summarized in Table 1, and estimated trichloroethene concentration isopleths are shown on Plates 2, 3, 4, and 5 (background wells are excluded from plates).

Table 5 presents the Above Action Level List for samples in which one or more contaminants exceeded either the Federal or California Maximum Contaminant Levels (MCLs) or California Action Levels for drinking water. Samples from 5 extraction wells, 1 extraction well composite, and 48 monitoring wells, exceeded standards for either organic or

inorganic analytes. Twenty-nine of the locations exceeded MCLs for one or more inorganic analyte(s) compared to 25 in 1Q93. The increase in the number of well samples exceeding MCLs for inorganic analytes can be attributed to a change in sampling procedure; samples for inorganic analysis are no longer filtered in the field. Nineteen of the 25 wells exceeding MCLs for inorganic analytes have not been sampled since the implementation of the nonfiltering procedure.

The Quality Control (QC) data presented in this report have been evaluated according to the quality assurance objectives specified in the final *McClellan AFB Quality Assurance Program Plan (QAPP)*, August 1992 revision. These represent accuracy and precision performance objectives for each analytical method. The results of the QC sample analyses are summarized below, as well as in Tables 6, 7, 8, and 9.

- All surrogate recoveries were within recovery objectives, except one Method 8010 for 1-Bromo-4-fluorobenzene. Because the surrogate recovery for bromochloromethane in the same sample was within objectives, no data were qualified.
- All results from laboratory control samples/laboratory control sample duplicate (LCS/LCSD) were within recovery objectives.
- All results from matrix spike/matrix spike duplicate (MS/MSD) samples were within recovery objectives, except two Method 7740 Selenium results (see Table 9).
- Several Method 6010 samples were qualified for reagent blank contamination (see Table 9).
- No ambient blank contamination was detected. Toluene was detected in one trip blank; however, no toluene was detected in any of the associated samples and no sample results were qualified. Two sample results were qualified because of equipment blank contamination for Method 6010 and Method 7421 (see Table 9).

The completeness objective for all the measurement parameters is 95 percent. Although several individual sample results required qualification, the remaining body of

unqualified analytical data met the objective. From a total of 5,014 possible individual analyte measurements, 29 were qualified. Therefore, greater than 99% of the data produced from the 2Q93 sampling event are valid, and the completeness objective has been met.

TABLE 1 WELLS SAMPLED AND ANALYSES PERFORMED.
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM,
APRIL THROUGH JUNE 1993, McCLELLAN AIR FORCE BASE

Well (a) Number	Date Sampled	Methods		
		8010	8020	6010,7060,7421 7470,7740
EC-1	20-Apr-93	X	X	X
EW-140	05-Apr-93	X	X	X
EW-141	05-Apr-93	X	X	X
EW-144	07-Apr-93	X	X	X
EW-233	07-Apr-93	X	X	X
EW-234	07-Apr-93	X	X	X
MW-7	09-Apr-93	X	X	X
MW-10	06-Apr-93	X	X	X
MW-14	06-Apr-93	X		X
MW-200	19-Apr-93	X	X	X
MW-280	16-Apr-93	X	X	X
MW-415	16-Apr-93	X	X	
MW-51	06-Apr-93	X	X	X
MW-53	22-Apr-93	X	X	X
MW-54	07-Apr-93	X	X	X
MW-68	22-Apr-93	X	X	X
MW-89	05-Apr-93	X	X	X
MW-102	15-Apr-93	X	X	X
MW-111	21-Apr-93	X		X
MW-135	15-Apr-93	X	X	X
MW-145	08-Apr-93	X	X	X
MW-149	08-Apr-93	X	X	X
MW-150	09-Apr-93	X		
MW-151	09-Apr-93	X		X
MW-152	09-Apr-93	X		
MW-153	09-Apr-93	X		
MW-155	09-Apr-93	X	X	X
MW-156	19-Apr-93	X		
MW-164	19-Apr-93	X	X	X
MW-166	19-Apr-93			X
MW-167	19-Apr-93	X	X	X
MW-169	06-Apr-93	X		
MW-170	08-Apr-93	X	X	X
MW-174	13-Apr-93	X	X	X
MW-175	08-Apr-93	X	X	X
MW-176	08-Apr-93	X	X	
MW-178	13-Apr-93	X	X	X
MW-179	13-Apr-93	X	X	X
MW-182	09-Apr-93		X	X
MW-185	13-Apr-93	X	X	
MW-187	23-Apr-93	X		X
MW-189	21-Apr-93	X	X	X
MW-191	12-Apr-93	X	X	
MW-192	15-Apr-93	X	X	X
MW-193	21-Apr-93	X	X	X

TABLE 1 (Continued)

Well (a) Number	Date Sampled	Methods		
		8010	8020	6010,7060,7421 7470,7740
MW-194	14-Apr-93	X	X	
MW-195	22-Apr-93	X	X	X
MW-197	15-Apr-93	X	X	
MW-198	15-Apr-93	X	X	
MW-198	16-Apr-93			X
MW-199	15-Apr-93	X	X	X
MW-200	06-Apr-93	X		X
MW-201	09-Apr-93	X	X	X
MW-210	22-Apr-93	X	X	X
MW-212	07-Apr-93	X	X	X
MW-214	12-Apr-93	X	X	X
MW-216	12-Apr-93		X	X
MW-217	21-Apr-93	X	X	X
MW-218	21-Apr-93	X	X	
MW-221	12-Apr-93	X	X	X
MW-222	12-Apr-93	X	X	X
MW-224	13-Apr-93	X	X	X
MW-226	16-Apr-93	X		
MW-228	16-Apr-93	X	X	X
MW-229	16-Apr-93	X	X	X
MW-230	16-Apr-93	X	X	X
MW-235	21-Apr-93	X	X	X
MW-999	23-Apr-93	X	X	X
MW-1001	07-Apr-93	X		X
MW-1018	15-Apr-93	X		
MW-1019	19-Apr-93	X		X
MW-1021	20-Apr-93	X	X	
MW-1022	20-Apr-93			X
MW-1026	21-Apr-93			X
MW-1035	14-Apr-93			X
MW-1043	14-Apr-93			X
MW-1044	19-Apr-93	X		
MW-1049	20-Apr-93	X	X	
MW-1051	20-Apr-93	X	X	X
MW-1053	13-Apr-93	X		
MW-1054	20-Apr-93	X		
MW-1057	20-Apr-93	X	X	X
MW-1058	07-Apr-93	X	X	
MW-1060	05-Apr-93	X	X	X
MW-1061	23-Apr-93	X	X	X
MW-1067	13-Apr-93	X	X	
MW-1069	13-Apr-93	X	X	
OW-654	23-Apr-93	X	X	X
OW-994	23-Apr-93	X	X	X
OW-998	23-Apr-93	X	X	X

TABLE 1 (Continued)

=====

(a) - The letters 'S' and 'D' associated with the monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.

EC = Extraction Well Composite

EC-1 is a composite of EW-73, EW-83, EW-84, EW-85, EW-86, and EW-87.

EW = Extraction Well

MW = Monitoring Well

OW = Background Well

TABLE 2.

WELLS SCHEDULED AND ANALYSES TO BE PERFORMED,
GROUND WATER SAMPLING AND ANALYSES PROGRAM,
APRIL THROUGH JUNE 1993, McCLELLAN AIR FORCE BASE

1Q93										
2Q93										
3Q93										
WELL #		Methods 6010,7060			Methods 6010,7060			Methods 6010,7060		
		Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740
EC	1	X	X	X	X	X	X	X	X	X
EW	137	X	X	X	X	X	X	X	X	X
EW	140	X	X	X	X	X	X	X	X	X
EW	141	X	X	X	X	X	X	X	X	X
EW	144	X	X	X	X	X	X	X	X	X
EW	233	X	X	X	X	X	X	X	X	X
EW	234	X	X	X	X	X	X	X	X	X
MW	7	X	X		X	X	X	X	X	X
MW	10				X	X	X			
MW	11							X	X	X
MW	12							X	X	X
MW	14	X	X	X	X		X			
MW	15	X	X	X				X	X	X
MW	19d	X	X	X						
MW	20d				X	X	X			
MW	21d									
MW	22d									
MW	23d	X						X		
MW	24d							X	X	
MW	25d							X	X	X
MW	26d	X	X	X						
MW	27d	X		X						
MW	28d				X	X	X			
MW	29d									
MW	33s							X	X	X
MW	41s	X	X		X	X		X		X
MW	44s									
MW	51				X	X	X			
MW	52							X	X	X
MW	53				X	X	X			
MW	54				X	X	X			
MW	55	X	X		DISCONTINUE SAMPLING					
MW	57	X	X	X	DISCONTINUE SAMPLING					
MW	58	X	X	X						
MW	59							X		X
MW	60									
MW	61	X	X	X	DISCONTINUE SAMPLING					
MW	62							X	X	X
MW	63	X								
MW	64	X	X					X		X
MW	65							X	X	X
MW	66	X								
MW	68				X	X	X			

TABLE 2. (Continued)

		1Q83			2Q83			3Q83		
		Methods 6010,7060			Methods 6010,7060			Methods 6010,7060		
WELL #		Method 8010	Method 8020	Method 7421,7470 7740	Method 8010	Method 8020	Method 7421,7470 7740	Method 8010	Method 8020	Method 7421,7470 7740
MW 69		X			DISCONTINUE SAMPLING					
MW 71		X			DISCONTINUE SAMPLING					
MW 72								X	X	X
MW 74		X	X	X						
MW 75				X	DISCONTINUE SAMPLING					
MW 76		X	X	X						
MW 88		X	X	X				X	X	X
MW 89					X	X	X			
MW 90										
MW 91								X	X	X
MW 92		X	X	X						
MW 101		X	X	X				X		
MW 102					X	X	X			
MW 103								X	X	X
MW 104										
MW 105										
MW 107										
MW 109										
MW 110								X		X
MW 111					X		X			
MW 112										
MW 115										
MW 117								X	X	X
MW 118										
MW 119								X	X	X
MW 122	DISCONTINUE SAMPLING									
MW 128										
MW 129										
MW 130										
MW 131										
MW 132		X	X					X	X	
MW 134										
MW 135					X	X	X			
MW 139								X	X	X
MW 143								X	X	X
MW 145					X	X	X	X	X	X
MW 146								X		X
MW 147										
MW 148		X	X					X	X	
MW 149					X	X	X			
MW 150		X	X	X	X			X		X
MW 151					X		X			
MW 152		X			X			X		

TABLE 2. (Continued)

1989				2009				2009		
WELL #		Methods 6010,7060			Methods 6010,7060			Methods 6010,7060		
		Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740
MW	153	X	X	X	X			X		
MW	154	X						X		X
MW	155	X	X		X	X	X	X	X	X
MW	156	X		X	X			X		
MW	157	X	X	X				X	X	X
MW	158	X	X	X				X	X	X
MW	159	X	X					X	X	
MW	160									
MW	161							X		X
MW	162							X		X
MW	163	X		X						
MW	164				X	X	X			
MW	165									
MW	166						X			
MW	167				X	X	X			
MW	169				X			X		
MW	170				X	X	X			
MW	171									
MW	172									
MW	173							X	X	X
MW	174				X	X	X			
MW	175				X	X	X			
MW	176	X			X	X				
MW	177									
MW	178				X	X	X			
MW	179				X	X	X			
MW	180									
MW	181	X	X	X						
MW	182					X	X			
MW	183	X	X	X						
MW	184									
MW	185				X	X				X
MW	186									
MW	187				X		X			
MW	188								X	X
MW	189				X	X	X			
MW	190									
MW	191				X	X				
MW	192				X	X	X			
MW	193				X	X	X			
MW	194				X	X				
MW	195				X	X	X			
MW	196							X		

TABLE 2. (Continued)

		1Q83			2Q83			3Q83		
		Methods 6010,7060			Methods 6010,7060			Methods 6010,7060		
		Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740
WELL #										
MW	197				X	X		X	X	
MW	198				X	X	X			
MW	199				X	X	X			
MW	200	X	X	X	X		X	X		X
MW	201				X	X	X			
MW	202									
MW	203									
MW	204	X						X	X	X
MW	205							X		X
MW	206	X						X		X
MW	207									
MW	208							X	X	X
MW	209									
MW	210				X	X	X	X	X	
MW	211									
MW	212				X	X	X	X	X	
MW	213							X	X	X
MW	214				X	X	X			
MW	215									
MW	216					X	X			
MW	217	X	X		X	X	X	X	X	X
MW	218	X	X	X	X	X		X	X	
MW	219	X	X	X				X	X	
MW	220							X	X	X
MW	221				X	X	X			
MW	222				X	X	X	X		
MW	223							X	X	X
MW	224				X	X	X			
MW	225							X	X	X
MW	226				X					
MW	227							X		X
MW	228				X	X	X	X	X	
MW	229				X	X	X			
MW	230				X	X	X			
MW	235				X	X	X			
MW	236	X	X	X				X	X	X
MW	270							X	X	X
MW	271							X	X	X
MW	272							X	X	X
MW	999					X	X	X	X	X
MW	1000	X	X	X				X		
MW	1001				X		X			
MW	1002									

TABLE 2. (Continued)

		1Q83			2Q83			3Q83		
		Methods 6010,7060			Methods 6010,7060			Methods 6010,7060		
WELL #		Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740
MW	1004									
MW	1005									
MW	1009									
MW	1010			X						
MW	1011									
MW	1012									
MW	1014							X	X	X
MW	1015							X	X	
MW	1016									
MW	1018				X					
MW	1019	X			X		X	X		
MW	1020	X	X	X						X
MW	1021	X	X	X	X	X		X	X	
MW	1022	X	X				X	X		
MW	1023									
MW	1024	X	X							
MW	1025	X								
MW	1026	X	X	X			X			
MW	1027	X	X	X	DISCONTINUE SAMPLING					
MW	1028	X	X	X						
MW	1029							X		X
MW	1031									
MW	1032									
MW	1035						X			
MW	1036									
MW	1037	X	X	X				X	X	X
MW	1038	X			DISCONTINUE SAMPLING					
MW	1039	X			DISCONTINUE SAMPLING					
MW	1041	X	X							X
MW	1042	X	X	X						
MW	1043	X	X				X			
MW	1044	X		X	X			X		
MW	1045	X	X					X		X
MW	1046	X	X					X		
MW	1047	X						X		
MW	1048	DISCONTINUE SAMPLING								
MW	1049	X	X	X	X	X		X	X	
MW	1050	X	X					X		
MW	1051	X			X	X	X	X	X	
MW	1052	X						X		
MW	1053	X			X			X		
MW	1054				X			X		
MW	1055							X		

TABLE 2. (Continued)

		1Q90			2Q90			3Q93		
		Methods 6010,7060			Methods 6010,7060			Methods 6010,7060		
		Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740	Method 8010	Method 8020	7421,7470 7740
WELL #										
MW	1056							X	X	X
MW	1057				X	X	X	X	X	
MW	1058	X			X	X		X		
MW	1059	X						X		X
MW	1060	X			X	X	X	X		
MW	1061				X	X	X	X	X	
MW	1062							X	X	X
MW	1063	X	X							
MW	1064	X	X	X						
MW	1065	X	X	X				X	X	
MW	1066	X	X							
MW	1067	X	X		X	X		X		
MW	1068	X	X					X		
MW	1069	X			X	X				
OW	654	X	X	X	X	X	X	X	X	X
OW	994	X	X	X	X	X	X	X	X	X
OW	998	X	X	X	X	X	X	X	X	X

WELL IDENTIFICATION:

EW = Extraction Well

MW = Monitoring Well

OW=Background Well

TABLE 3 QUARTERLY GROUNDWATER-LEVEL DATA.
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM,
APRIL THROUGH JUNE 1993, McCLELLAN AIR FORCE BASE

<u>Groundwater-Level Elevation (feet mean sea level)</u>			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	2Q93	1Q93

<u>A Zone Monitoring Wells:</u>			
MW-5	B	- 49.67	- 50.17
MW-7	B	- 43.73	- 44.74
MW-10	D	- 37.68	- 38.59
MW-11	D	- 36.78	- 37.78
MW-12	D	- 37.26	- 38.06
MW-14	D	- 37.81	- 38.41
MW-15	D	- 37.34	- 38.20
MW-21D	C	- 36.68	- 37.47
MW-25D	B	- 39.43	- 40.03
MW-28D	A	- 34.37	- 34.22
MW-33S	C	- 37.01	- 38.04
MW-36S	C	(d)	(d)
MW-41S	B	- 43.21	- 43.27
MW-44S	C	- 36.16	- 36.73
MW-60	C	- 36.95	- 37.57
MW-61	C	- 38.82	- 39.61
MW-62	C	- 35.94	- 36.37
MW-65	B	- 42.42	- 42.89
MW-68	A	- 37.03	- 41.50
MW-72	D	- 37.91	- 38.62
MW-75	C	- 37.25	- 38.13
MW-88	D	- 36.66	- 36.97
MW-89	D	- 37.30	- 37.86
MW-90	D	- 37.15	- 37.67
MW-91	D	- 36.91	- 37.37
MW-92	D	- 36.07	- 37.12
MW-101	E	- 30.02	- 32.04
MW-102	F	- 28.80	- 30.30
MW-106	D	(d)	(d)
MW-107	C	- 35.63	- 36.09
MW-110	C	- 36.13	- 37.06
MW-111	C	- 36.66	- 37.35
MW-114	C	(d)	(d)
MW-115	C	- 38.55	- 39.35
MW-116	C	(d)	(d)
MW-117	C	- 41.15	(b)
MW-123	C	- 42.02	- 42.22
MW-128	C	- 37.11	- 38.15
MW-129	C	- 37.35	- 38.48
MW-131	C	- 38.30	- 39.18
MW-135	C	- 40.86	- 41.81
MW-139	C	- 39.04	- 40.13

(Continued)

TABLE 3 (Continued)

<u>Groundwater-Level Elevation (feet mean sea level)</u>			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	2Q93	1Q93
<u>A Zone Monitoring Wells:</u>			
MW-145	B	- 43.13	- 44.12
MW-150	B	- 45.48	- 46.21
MW-153	B	- 43.84	- 44.15
MW-155	B	- 43.85	- 44.86
MW-157	B	- 43.30	- 43.55
MW-158	B	- 43.39	- 43.64
MW-159	B	- 42.21	- 43.01
MW-160	A	- 33.48	- 35.12
MW-164	B	- 41.42	- 42.36
MW-169	A	- 29.47	- 31.97
MW-172	A	- 31.78	- 33.50
MW-175	B	- 39.91	- 41.10
MW-178	A	- 29.15	- 30.86
MW-182	C	- 39.66	- 40.34
MW-185	E	- 31.68	- 33.17
MW-186	A	- 36.55	- 38.03
MW-188	C	- 36.00	- 36.57
MW-191	B	- 41.83	- 42.62
MW-194	E	- 31.55	- 33.71
MW-197	A	- 35.03	- 36.30
MW-200	B	- 43.82	- 44.21
MW-202	A	- 32.31	- 33.53
MW-203	A	- 34.95	- 36.35
MW-206	C	- 36.93	- 38.17
MW-209	A	- 34.68	- 36.30
MW-210	A	- 28.69	- 30.84
MW-212	A	- 30.26	- 31.64
MW-214	C	- 40.30	- 41.05
MW-217	B	- 44.77	- 45.46
MW-222	A	- 33.23	- 34.71
MW-224	A	- 31.78	- 33.02
MW-226	A	- 29.91	- 32.21
MW-228	A	- 30.88	- 32.34
MW-235	B	- 43.09	- 43.23
MW-236	B	- 43.19	- 43.50
MW-1002	D	- 36.18	- 36.75
MW-1004	D	- 35.42	- 36.23
MW-1005	D	- 35.05	- 36.05
MW-1009	D	- 34.39	- 35.25
MW-1011	B	(d)	(d)
MW-1012	F	- 22.60	- 24.32
MW-1013	B	(d)	(d)
MW-1014	A	- 38.98	- 40.29
MW-1015	B	- 45.05	- 46.04

(Continued)

TABLE 3 (Continued)

<u>Groundwater-Level Elevation (feet mean sea level)</u>			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	2093	1093

<u>A Zone Monitoring Wells:</u>			
MW-1016	B	- 45.54	- 44.26
MW-1017	C	(d)	(b)
MW-1018	C	- 36.45	- 37.15
MW-1019	D	- 38.50	- 38.85
MW-1020	B	- 44.07	- 45.21
MW-1021	B	- 46.16	- 46.87
MW-1023	B	- 45.44	- 46.40
MW-1024	B	- 45.84	- 46.83
MW-1026	D	- 34.12	- 35.08
MW-1029	C	- 35.84	- 36.38
MW-1033	C	(d)	(d)
MW-1036	C	- 34.84	- 35.56
MW-1037	A	- 29.99	- 31.53
MW-1041	D	- 37.47	(d)
MW-1044	B	- 45.16	- 46.29
MW-1049	B	- 45.25	- 46.44
MW-1053	B	- 45.70	- 46.88
MW-1054	B	- 45.37	- 46.49
MW-1058	A	- 29.65	- 31.37
MW-1061	A	- 35.47	- 36.88
MW-1064	D	- 34.59	- 35.77
MW-1067	A	- 30.21	- 31.95
MW-1069	B	- 45.19	- 46.44
PZ-1	B	- 43.88	- 44.86
PZ-3	C	- 38.22	- 38.89
PZ-5	C	- 40.00	- 40.76
PZ-8	C	- 37.79	- 38.61
PZ-11	C	- 39.43	- 40.18
PZ-14	C	- 39.11	- 39.78
PZ-15	C	- 38.02	- 38.87
PZ-18	C	- 40.82	- 41.08
PZ-24	C	- 37.95	- 38.73
PZ-25	C	- 37.74	- 38.60
PZ-30	C	- 39.05	- 40.00
PZ-1000	B	- 45.26	- 46.50
 <u>AB Zone Monitoring Wells:</u>			
MW-160	F	- 30.71	- 32.00
MW-170	F	- 31.46	- 33.32
MW-126	C	- 41.37	- 41.77
MW-1010	D	- 34.57	- 35.69
MW-1042	D	- 35.38	- 36.01

(Continued)

TABLE 3 (Continued)

<u>Groundwater-Level Elevation (feet mean sea level)</u>			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	2093	1093

<u>IAB Zone Monitoring Wells:</u>			
MW-380	D	- 37.30	- 38.14
MW-52	D	- 36.40	- 37.16
MW-53	D	- 37.65	- 38.71
MW-54	D	- 37.29	- 38.07
MW-55	D	- 37.98	- 38.95
MW-57	D	- 37.35	- 38.23
MW-70	D	- 36.88	- 37.63
MW-74	D	- 36.84	- 37.57
MW-76	D	- 36.42	- 37.20
MW-108	C	- 35.92	- 36.41
MW-113	C	- 43.41	- 37.91
MW-121	C	- 41.81	(b)
MW-124	C	- 41.69	- 42.09
MW-1000	B	- 44.12	- 45.28
MW-1003	D	- 35.40	- 36.24
MW-1034	C	- 39.60	- 40.41
 <u>OAB Zone Monitoring Wells:</u>			
PZ-19	C	- 40.77	- 41.12
 <u>B Zone Monitoring Wells:</u>			
MW-180	D	- 33.14	- 34.36
MW-190	D	- 36.12	- 36.73
MW-200	C	- 36.50	- 37.49
MW-220	C	- 38.45	- 38.60
MW-230	B	- 47.36	- 48.45
MW-240	B	- 42.81	- 43.81
MW-260	A	- 37.31	- 38.57
MW-270	A	- 34.18	- 35.28
MW-290	E	- 31.59	- 33.11
MW-51	D	- 36.46	- 37.26
MW-58	D	- 35.96	- 36.80
MW-59	D	- 36.01	- 37.02
MW-63	B	- 45.29	- 46.11
MW-64	B	- 46.58	- 47.70
MW-66	B	- 49.34	- 50.88
MW-71	A	- 32.76	- 34.23
MW-103	F	- 29.53	- 31.30
MW-104	D	- 35.06	- 35.96
MW-105	D	- 34.58	- 35.55
MW-109	C	- 35.72	- 36.60
MW-112	C	- 36.90	- 37.66
MW-118	C	- 41.96	- 42.52
MW-130	C	- 38.29	- 39.91

(Continued)

TABLE 3 (Continued)

=====			
<u>Groundwater-Level Elevation (feet mean sea level)</u>			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	2093	1093

<u>B Zone Monitoring Wells:</u>			
MW-134	C	- 40.28	- 41.35
MW-142	C	- 39.30	- 40.39
MW-143	C	- 37.80	- 39.09
MW-146	B	- 43.06	- 44.23
MW-151	B	- 45.87	- 47.03
MW-156	B	- 45.23	- 46.11
MW-165	B	- 41.44	- 42.55
MW-170	A	- 29.83	- 37.88
MW-173	A	- 32.71	- 34.28
MW-176	B	- 40.21	- 41.35
MW-179	A	- 30.82	- 32.56
MW-183	C	- 39.87	- 40.66
MW-189	C	- 35.88	- 36.68
MW-192	B	- 42.10	- 43.13
MW-195	E	- 31.15	- 32.93
MW-198	A	- 36.58	- 37.95
MW-201	B	- 45.19	- 46.21
MW-204	A	- 35.98	- 37.43
MW-207	C	- 37.97	- 39.05
MW-211	A	- 29.91	- 31.96
MW-213	A	- 29.39	- 31.68
MW-215	C	- 40.07	- 40.95
MW-218	B	- 46.34	- 47.30
MW-220	B	- 40.29	- 41.05
MW-223	A	- 33.68	- 35.13
MW-225	A	- 31.92	- 33.48
MW-227	A	- 29.94	- 32.14
MW-229	A	- 31.93	- 33.53
MW-1001	D	- 35.10	- 35.74
MW-1022	B	- 49.87	- 50.89
MW-1025	B	- 46.06	- 46.95
MW-1027	D	- 34.57	- 35.47
MW-1028	D	- 39.01	- 34.95
MW-1030	C	- 36.11	- 36.61
MW-1031	C	- 36.10	- 36.66
MW-1032	C	- 36.85	- 37.56
MW-1035	C	- 39.82	- 40.53
MW-1038	A	- 36.38	- 38.06
MW-1043	D	- 34.75	- 35.89
MW-1045	B	- 46.88	- 47.40
MW-1050	B	- 45.39	- 46.52
MW-1055	B	- 45.76	- 46.80
MW-1059	A	- 32.53	- 34.00
MW-1062	A	- 36.41	- 37.82

(Continued)

TABLE 3 (Continued)

<u>Groundwater-Level Elevation (feet mean sea level)</u>			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	2093	1093

<u>B Zone Monitoring Wells:</u>			
MW-1065	A	- 29.96	- 31.92
MW-1066	A	- 30.01	- 31.90
MW-1068	A	- 30.33	- 31.93
PZ-2	B	- 45.19	- 46.07
PZ-4	C	- 38.24	- 39.26
PZ-6	C	- 39.90	- 40.81
PZ-12	C	- 41.73	- 40.61
PZ-16	C	- 38.71	- 39.62
PZ-20	C	- 41.18	- 40.60
PZ-22	C	- 37.84	- 38.98
PZ-26	C	- 38.59	- 39.00
PZ-28	C	- 37.70	- 38.91
PZ-31	C	- 39.46	- 40.42
PZ-37	A	(c)	- 33.35
PZ-38	A	- 35.85	- 37.28
PZ-1001	B	- 45.42	- 46.58
<u>OBC Zone Monitoring Wells:</u>			
PZ-21	C	- 41.25	- 41.47
PZ-32	C	- 39.45	- 40.41
<u>C Zone Monitoring Wells:</u>			
MW-119	C	- 41.39	- 41.78
MW-122	C	- 41.57	- 41.65
MW-125	C	- 40.20	- 40.50
MW-127	C	- 41.37	- 41.54
MW-132	B	- 45.65	- 47.25
MW-133	C	- 40.18	- 41.40
MW-136	C	- 38.59	- 39.88
MW-138	C	- 38.11	- 39.36
MW-147	B	- 42.82	- 44.21
MW-152	B	- 47.32	- 48.64
MW-154	B	- 46.18	- 47.10
MW-161	A	- 34.44	- 36.05
MW-166	B	- 40.84	- 42.02
MW-171	A	- 30.08	- 32.17
MW-174	A	- 32.88	- 34.41
MW-177	B	- 40.08	- 41.23
MW-180	A	- 31.42	- 33.11
MW-181	C	- 39.20	- 40.18
MW-184	C	- 39.34	- 40.35
MW-187	A	- 37.75	- 39.10
MW-190	C	- 35.56	- 36.76
MW-193	B	- 41.01	- 42.23

(Continued)

TABLE 3 (Continued)

=====			
Groundwater-Level Elevation (feet mean sea level)			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	2Q93	1Q93

<u>C Zone Monitoring Wells:</u>			
MW-196	E	- 31.04	- 32.83
MW-199	A	- 36.67	- 37.99
MW-205	A	- 36.11	- 37.56
MW-208	C	- 38.02	- 39.29
MW-216	C	- 39.01	- 40.67
MW-219	B	- 47.66	- 48.93
MW-221	B	- 40.80	- 41.57
MW-1039	A	- 36.39	- 38.07
MW-1040	F	- 29.10	- 30.74
MW-1046	B	- 48.44	- 48.62
MW-1051	B	- 45.60	- 46.71
MW-1056	B	- 47.12	- 47.84
MW-1060	A	- 35.60	- 34.22
MW-1063	A	- 36.53	- 37.97
PZ-7	C	- 39.46	- 40.49
PZ-9	C	(c)	- 38.96
PZ-10	C	- 38.21	- 39.55
PZ-13	C	- 40.24	- 40.30
PZ-17	C	- 38.45	- 39.48
PZ-23	C	- 37.75	- 39.00
PZ-27	C	- 38.45	- 39.49
PZ-29	C	- 37.46	- 38.71
PZ-33	C	- 39.13	- 40.13
PZ-34	C	- 39.06	- 40.08
 <u>ICD Zone Monitoring Wells:</u>			
MW-148	B	- 40.06	- 41.97
 <u>OCD Zone Monitoring Wells:</u>			
PZ-35	C	- 37.93	- 39.22
 <u>D Zone Monitoring Wells:</u>			
MW-149	B	- 38.86	- 40.83
MW-162	C	- 36.62	- 38.12
MW-163	C	- 36.85	- 38.36
MW-167	B	- 37.98	- 39.43
MW-1047	B	- 39.77	- 41.29
MW-1048	B	- 39.71	- 41.22
MW-1052	B	- 39.41	- 40.86
MW-1057	B	- 39.46	- 43.03
PZ-36	C	- 36.88	- 38.37
 <u>E Zone Monitoring Wells:</u>			
MW-230	C	- 36.84	- 38.34

(Continued)

TABLE 3 (Continued)

<u>Groundwater-Level Elevation (feet mean sea level)</u>			
Well		Current Measurement	Previous Measurement
Number(a)	Sector	2Q93	1Q93

<u>E Zone Monitoring Wells:</u>			
MW-231	B	- 37.55	- 47.42
MW-232	B	- 37.50	- 39.36
<u>Extraction Wells</u>			
EW-73	D	(c)	- 44.26
EW-83	D	- 40.89	- 41.16
EW-84	D	- 36.98	- 29.94
EW-85	D	- 41.78	- 42.50
EW-86	D	- 39.61	- 40.35
EW-87	D	- 39.99	- 40.88
EW-137	C	- 71.52	(c)
EW-233	B	- 44.42	- 44.87
EW-234	B	- 47.59	- 43.85

WELL IDENTIFICATION:

EW = Extraction Well
 MW = Monitoring Well
 PZ = Piezometer

ZONE IDENTIFICATION:

A = Screened in the A zone (-16.72 to -93.46 ft msl).
 AB = Screened in both the A and B zones (-47.89 to -126.0 ft msl).
 IAB = Screened in an intermediate zone between the A and B zones (-69.51 to -94.61 ft msl).
 QAB = Screened in the aquitard between the A and B zones (-63.84 to -65.84 ft msl).
 B = Screened in the B zone (-50.3 to -149.73').
 QBC = Screened in the aquitard between the B and C zones (-122.18 to -146.05 ft msl).
 C = Screened in the C zone (-117.11 to -213.2 ft msl).
 ICD = Screened in an intermediate zone between the C and D zones (-225.97 to -235.97 ft msl).
 QCD = Screened in the aquitard between the C and D zones (-225.75 to -227.76 ft msl).
 D = Screened in the D zone (-261.69 to -306.95 ft msl).
 E = Screened in the E zone (-327.74 to -365.36 ft msl).

NOTES:

- (a) = The letters 'S' and 'D' associated with monitoring well numbers are part of the well identification notation and do not refer to monitoring zones at McClellan AFB.
 (b) = Unintentionally omitted.
 (c) = Blocked well access.
 (d) = Dry Well.
 2Q93 = Second Quarter 1993.
 1Q93 = First Quarter 1993.
 msl = Mean Sea Level.

TABLE 4 MASTER LOG OF WELLS SAMPLED,
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM,
APRIL THROUGH JUNE 1993, MCLELLAN AIR FORCE BASE

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EC-1	8010	NS	04/20/93	04/30/93	GCJAY1304292201	1,1,1-Trichloroethane	77 Pθ	(28)		200 MCL	
						1,1-Dichloroethane	49 Pθ	(25)		5.0 MCL	
						1,1-Dichloroethene	940 P	(35)		6.0 MCL	
						1,2-Dichloroethane	13 Pθ	(7.5)		0.50 MCL	
						Trichloroethene	220 P	(10)		5.0 MCL	
						cis-1,2-Dichloroethene	29 Pθ	(12)		6.0 MCL	
EC-1	8020	NS	04/20/93	04/29/93	GCJAY2304282101	1,2-Dichlorobenzene	3.1 C	(0.4)		130 AL	
						1,3-Dichlorobenzene	0.45 Cθ	(0.2)		130 AL	
						1,4-Dichlorobenzene	0.70 Cθ	(0.4)		5.0 MCL	
						Benzene	1.2 Cθ	(0.3)		1.0 MCL	
						Chlorobenzene	0.30 Cθ	(0.2)		30 AL	
						Ethylbenzene	0.32 Cθ	(0.2)		680 MCL	
						Toluene	9.3 C	(0.2)			
						Total Xylenes	1.5 C	(0.3)		1750 MCL	
						1,2-Dichlorobenzene	3.1 C	(0.4)		130 AL	
						1,3-Dichlorobenzene	0.46 Cθ	(0.2)		130 AL	
209302	8020	FD	04/20/93	04/29/93	GCJAY2304282101	Benzene	1.4 Cθ	(0.3)		1.0 MCL	
						Chlorobenzene	0.30 Cθ	(0.2)		30 AL	
						Ethylbenzene	0.33 Cθ	(0.2)		680 MCL	
						Toluene	9.4 C	(0.2)			
						Total Xylenes	1.6 C	(0.3)		1750 MCL	
						Barium	0.065	(0.004)		1.0 MCL	
						Calcium	22 Z	(0.05)		0.050 MCL	
						Chromium	0.013 θ	(0.007)			
						Iron	0.097	(0.009)			
						Magnesium	15	(0.03)			
EC-1	7060	NS	04/20/93	04/27/93	EMJA61304271701	Manganese	0.014	(0.002)			
						Sodium	20	(0.15)			
						Vanadium	0.023 θ	(0.008)			
						Zinc	0.10	(0.003)			
						Arsenic	ND	(0.004)		0.050 MCL	
						Lead	0.0072 θ	(0.003)		0.050 MCL	
						Mercury	ND	(0.0002)		0.0020 MCL	
						Selenium	ND	(0.002)		0.010 MCL	
						Trichloroethene	57 P	(1)		5.0 MCL	
						cis-1,2-Dichloroethene	18 P	(1.2)		6.0 MCL	
EC-1	7421	NS	04/20/93	04/27/93	AAZ2_304271403	Lead	0.0072 θ	(0.003)		0.050 MCL	
EC-1	7470	NS	04/20/93	04/26/93	AAZ4_304261901	Mercury	ND	(0.0002)		0.0020 MCL	
EC-1	7740	NS	04/20/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
EW-140	8010	NS	04/05/93	04/07/93	GCJAY1304071101	Trichloroethene	57 P	(1)		5.0 MCL	
						cis-1,2-Dichloroethene	18 P	(1.2)		6.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EW-140	8020	NS	04/05/93	04/07/93	GCJAY2304071101	No Analytes Detected	ND				
EW-140	6010	NS	04/05/93	04/14/93	EMJA61304141701	Barium Calcium Chromium Iron Magnesium Manganese Sodium Vanadium Zinc	0.099 26 0.011 0.18 20 0.0020 20 0.023 0.0063	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL	
EW-140	7060	NS	04/05/93	04/16/93	AAZ3_304160902	Arsenic	ND	(0.004)		0.050 MCL	
EW-140	7421	NS	04/05/93	04/16/93	AAZ3_304161501	Lead	ND	(0.003)		0.050 MCL	
EW-140	7470	NS	04/05/93	04/07/93	AAZ4_304071901	Mercury	ND	(0.0002)		0.0020 MCL	
EW-140	7740	NS	04/05/93	04/20/93	AAZ4_304201001	Selenium	ND	(0.002)		0.010 MCL	
EW-141	8010	NS	04/05/93	04/07/93	GCJAY1304071101	Methylene Chloride Trichloroethene cis-1,2-Dichloroethene	2.7 VØ 41 P 4.8 PØ	(2) (1) (1.2)		5.0 MCL 6.0 MCL	
EW-141	8020	NS	04/05/93	04/07/93	GCJAY2304071101	No Analytes Detected	ND				
EW-141	6010	NS	04/05/93	04/14/93	EMJA61304141701	Barium Calcium Chromium Iron Magnesium Sodium Vanadium	0.095 27 0.019 0.042 21 21 0.022	(0.004) (0.05) (0.007) (0.009) (0.03) (0.15) (0.008)		1.0 MCL 0.050 MCL	
EW-141	7060	NS	04/05/93	04/16/93	AAZ3_304160902	Arsenic	ND	(0.004)		0.050 MCL	
EW-141	7421	NS	04/05/93	04/16/93	AAZ3_304161501	Lead	ND	(0.003)		0.050 MCL	
EW-141	7470	NS	04/05/93	04/07/93	AAZ4_304071901	Mercury	ND	(0.0002)		0.0020 MCL	
EW-141	7740	NS	04/05/93	04/20/93	AAZ4_304201001	Selenium	0.0027 SØ	(0.002)		0.010 MCL	
EW-144	8010	NS	04/07/93	04/13/93	GCQUE1304121201	Trichloroethene	860 P	(20)		5.0 MCL	
EW-144	8020	NS	04/07/93	04/13/93	GCQUE2304121201	No Analytes Detected	ND				
EW-144	6010	NS	04/07/93	04/14/93	EMJA61304141201	Barium	0.11	(0.004)		1.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EV-144	6010	NS	04/07/93	04/14/93	ENJA61304141201	Calcium Chromium Iron Magnesium Sodium Vanadium	28 0.018 @ 0.14 Z 21 19 0.021 @	(0.05) (0.007) (0.009) (0.03) (0.15) (0.008)		0.050 MCL	
EV-144	7060	NS	04/07/93	04/22/93	AAZ3_304221001	Arsenic	ND	(0.004)		0.050 MCL	
EV-144	7421	NS	04/07/93	04/20/93	AAZ2_304201402	Lead	ND	(0.003)		0.050 MCL	
EV-144	7470	NS	04/07/93	04/08/93	AAZ4_304082001	Mercury	ND	(0.0002)		0.0020 MCL	
EV-144	7740	NS	04/07/93	04/20/93	AAZ3_304201201	Selenium	ND	(0.002)		0.010 MCL	
EV-233	8010	NS	04/07/93	04/14/93	GCQUE1304132101	Tetrachloroethene Trichloroethene	1100 P 5000 P	(100) (200)		5.0 MCL 5.0 MCL	
EV-233	8020	NS	04/07/93	04/13/93	GCQUE2304121201	No Analytes Detected	ND				
EV-233	6010	NS	04/07/93	04/14/93	ENJA61304141201	Barium Calcium Chromium Iron Magnesium Sodium Vanadium Zinc	0.041 17 0.013 @ 0.37 Z 12 16 0.024 @ 0.014 @	(0.004) (0.05) (0.007) (0.009) (0.03) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL	
EV-233	7060	NS	04/07/93	04/22/93	AAZ3_304221001	Arsenic	ND	(0.004)		0.050 MCL	
EV-233	7421	NS	04/07/93	04/20/93	AAZ2_304201402	Lead	ND	(0.003)		0.050 MCL	
EV-233	7470	NS	04/07/93	04/08/93	AAZ4_304082001	Mercury	ND	(0.0002)		0.0020 MCL	
EV-233	7740	NS	04/07/93	04/20/93	AAZ3_304201201	Selenium	ND	(0.002)		0.010 MCL	
EV-234	8010	NS	04/07/93	04/14/93	GCQUE1304132101	Tetrachloroethene Trichloroethene	83 P 800 P	(10) (20)		5.0 MCL 5.0 MCL	
EV-234	8020	NS	04/07/93	04/13/93	GCQUE2304121201	No Analytes Detected	ND				
EV-234	6010	NS	04/07/93	04/14/93	ENJA61304141201	Barium Calcium Chromium Copper Iron	0.052 20 0.011 @ 0.035 0.20 Z	(0.004) (0.05) (0.007) (0.006) (0.009)		1.0 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EV-234	6010	NS	04/07/93	04/14/93	EMJAE1304141201	Magnesium Manganese Sodium Vanadium Zinc	14 0.0031 @ 18 0.024 @ 0.021	(0.03) (0.002) (0.15) (0.008) (0.003)			
EV-234	7060	NS	04/07/93	04/22/93	AAZ3_304221001	Arsenic	NJ	(0.004)		0.050 MCL	
EV-234	7421	NS	04/07/93	04/20/93	AAZ2_304201402	Lead	0.0054 @	(0.003)		0.050 MCL	
EV-234	7470	NS	04/07/93	04/08/93	AAZ4_304082001	Mercury	ND	(0.0002)		0.0020 MCL	
EV-234	7740	NS	04/07/93	04/20/93	AAZ3_304201201	Selenium	ND	(0.002)		0.010 MCL	
MW-7	8010	NS	04/09/93	04/16/93	GCQUE1304151501	1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	0.33 P@ 1.6 P 28 P 16 P	(0.15) (0.15) (0.2) (0.25)		0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL	
MW-7	8020	NS	04/09/93	04/16/93	GCQUE2304151501	No Analytes Detected	ND				
MW-7	6010	NS	04/09/93	04/14/93	EMJAE1304141202	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Sodium Vanadium Zinc	0.095 @ 0.049 16 0.013 @ 0.20 11 0.0075 @ 16 0.024 @ 0.012 @	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL	
MW-7	7060	NS	04/09/93	04/23/93	AAZ3_304230603	Arsenic	ND	(0.004)		0.050 MCL	
MW-7	7421	NS	04/09/93	04/20/93	AAZ2_304201403	Lead	ND	(0.003)		0.050 MCL	
MW-7	7470	NS	04/09/93	04/15/93	AAZ4_304151701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-7	7740	NS	04/09/93	04/26/93	AAZ4_304260702	Selenium	ND	(0.002)		0.010 MCL	
MW-10	8010	NS	04/06/93	04/10/93	GCQUE1304091001	1,1-Dichloroethene 1,2-Dichloroethene Trichloroethene	170 C@ 120 C 390 C	(70) (15) (20)		6.0 MCL 0.50 MCL 5.0 MCL	
MW-10	8020	NS	04/06/93	04/09/93	GCJAY2304081301	1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	25 C 1.1 C 3.8 C	(0.4) (0.2) (0.4)		130 AL 130 AL 5.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-10	8020	NS	04/06/93	04/09/93	GCJAY2304081301	Benzene	1.0 CØ	(0.3)		1.0 MCL	
						Chlorobenzene	1.9 C	(0.2)		30 AL	
2Q9303	8020	FD	04/06/93	04/09/93	GCJAY2304081301	1,2-Dichlorobenzene	26 C	(0.4)		130 AL	
						1,3-Dichlorobenzene	1.0 C	(0.2)		130 AL	
						1,4-Dichlorobenzene	3.8 C	(0.4)		5.0 MCL	
						Benzene	1.2 CØ	(0.3)		1.0 MCL	
						Chlorobenzene	2.0 C	(0.2)		30 AL	
MW-10	6010	NS	04/06/93	04/14/93	EMJJA61304141701	Aluminum	3.0	(0.045)		1.0 MCL	
						Barium	0.16	(0.004)		1.0 MCL	
						Calcium	47	(0.05)			
						Chromium	0.013 Ø	(0.007)			
						Copper	0.0062 Ø	(0.006)		0.050 MCL	
						Iron	3.5	(0.009)			
						Magnesium	33	(0.03)			
						Manganese	0.13	(0.002)			
						Nickel	0.024 Ø	(0.016)			
						Sodium	25	(0.15)			
						Vanadium	0.039 Ø	(0.008)			
						Zinc	0.14	(0.003)			
MW-10	7060	NS	04/06/93	04/16/93	AAZ3_304160902	Arsenic	ND	(0.004)		0.050 MCL	
MW-10	7421	NS	04/06/93	04/16/93	AAZ3_304161501	Lead	ND	(0.003)		0.050 MCL	
MW-10	7470	NS	04/06/93	04/08/93	AAZ4_304082001	Mercury	ND	(0.0002)		0.0020 MCL	
MW-10	7740	NS	04/06/93	04/19/93	AAZ4_304190902	Selenium	0.0022 SØ	(0.002)		0.010 MCL	
MW-14	8010	NS	04/06/93	04/10/93	GCQUE1304091001	1,1,1-Trichloroethane	1300 P	(55)		200 MCL	
						1,1-Dichloroethane	2400 P	(70)		6.0 MCL	
						Methylene Chloride	92 WØ	(40)	PF		
						Trichloroethane	2300 P	(20)		5.0 MCL	
2Q9304	8010	FD	04/06/93	04/10/93	GCQUE1304091001	1,1,1-Trichloroethane	1200 C	(140)		200 MCL	
						1,1-Dichloroethane	2100 C	(180)		6.0 MCL	
						Trichloroethane	2100 C	(50)		5.0 MCL	
MW-14	6010	NS	04/06/93	04/14/93	EMJJA61304141701	Aluminum	10	(0.045)		1.0 MCL	
						Barium	0.15	(0.004)		1.0 MCL	
						Calcium	19	(0.05)			
						Chromium	0.038	(0.007)		0.050 MCL	
						Cobalt	0.0099 Ø	(0.007)			
						Copper	0.018 Ø	(0.006)			
						Iron	11	(0.009)			
						Magnesium	15	(0.03)			

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-14	6010	NS	04/06/93	04/14/93	EMJAS1304141701	Manganese	0.72	(0.002)			
						Nickel	0.021 @	(0.016)			
						Sodium	18	(0.15)			
						Vanadium	0.072	(0.008)			
						Zinc	0.077	(0.003)			
2Q9304	6010	FD	04/06/93	04/14/93	EMJAS1304141701	Aluminum	11	(0.045)			1.0 MCL
						Barium	0.15	(0.004)			1.0 MCL
						Calcium	19	(0.05)			
						Chromium	0.038	(0.007)			0.050 MCL
						Cobalt	0.011 @	(0.007)			
						Copper	0.020 @	(0.006)			
						Iron	12	(0.009)			
						Magnesium	15	(0.03)			
						Manganese	0.78	(0.002)			
						Nickel	0.025 @	(0.016)			
						Sodium	17	(0.15)			
						Vanadium	0.076	(0.008)			
						Zinc	0.076	(0.003)			
MW-14	7060	NS	04/06/93	04/16/93	AAZ3_304160902	Arsenic	0.0042 @	(0.004)			0.050 MCL
2Q9304	7060	FD	04/06/93	04/16/93	AAZ3_304160902	Arsenic	ND	(0.004)			0.050 MCL
MW-14	7421	NS	04/06/93	04/16/93	AAZ3_304161501	Lead	0.0034 @	(0.003)	PF		0.050 MCL
2Q9304	7421	FD	04/06/93	04/16/93	AAZ3_304161501	Lead	0.0066 @	(0.003)			0.050 MCL
MW-14	7470	NS	04/06/93	04/08/93	AAZ4_304082001	Mercury	ND	(0.0002)			0.0020 MCL
2Q9304	7470	FD	04/06/93	04/08/93	AAZ4_304082001	Mercury	ND	(0.0002)			0.0020 MCL
MW-14	7740	NS	04/06/93	04/19/93	AAZ4_304190902	Selenium	ND	(0.002)			0.010 MCL
2Q9304	7740	FD	04/06/93	04/19/93	AAZ4_304190902	Selenium	ND	(0.002)			0.010 MCL
MW-200	8010	NS	04/19/93	04/29/93	GCQUE1304282001	No Analytes Detected	ND				
MW-200	8020	NS	04/19/93	04/29/93	GCQUE2304282001	No Analytes Detected	ND				
MW-200	6010	NS	04/19/93	04/27/93	EMJAS1304271701	Barium	0.064	(0.004)			1.0 MCL
						Calcium	16 Z	(0.05)			
						Chromium	0.026 @	(0.007)			0.050 MCL
						Iron	0.17	(0.009)			
						Magnesium	12	(0.03)			
						Manganese	0.020	(0.002)			
						Sodium	15	(0.15)			

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-200	6010	NS	04/19/93	04/27/93	EMJA61304271701	Vanadium Zinc	0.031 @ 0.0031 @	(0.008) (0.003)			
MW-200	7060	NS	04/19/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)		0.050 MCL	
MW-200	7421	NS	04/19/93	04/27/93	AAZ2_304271403	Lead	ND	(0.003)		0.050 MCL	
MW-200	7470	NS	04/19/93	04/21/93	AAZ4_304211901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-200	7740	NS	04/19/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
MW-280	8010	NS	04/16/93	04/24/93	GCQUE1304231901	No Analytes Detected	ND				
MW-280	8020	NS	04/16/93	04/24/93	GCQUE2304231901	No Analytes Detected	ND				
MW-280	6010	NS	04/16/93	04/20/93	EMJA61304201901	Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium	0.038 14 0.033 @ 0.051 9.7 0.0050 @ 0.021 @ 12 0.031 @	(0.004) (0.05) (0.007) (0.008) (0.03) (0.002) (0.016) (0.15) (0.008)		1.0 MCL 0.050 MCL	
MW-280	7060	NS	04/16/93	04/29/93	AAZ3_304290702	Arsenic	ND	(0.004)		0.050 MCL	
MW-280	7421	NS	04/16/93	04/27/93	AAZ2_304271401	Lead	ND	(0.003)		0.050 MCL	
MW-280	7470	NS	04/16/93	04/21/93	AAZ4_304211901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-280	7740	NS	04/16/93	04/23/93	AAZ4_304230701	Selenium	ND	(0.002)		0.010 MCL	
MW-41S	8010	NS	04/16/93	04/24/93	GCQUE1304231901	Tetrachloroethene Trichloroethene	55 P 390 P	(2.5) (5)		5.0 MCL 5.0 MCL	
209301	8010	FD	04/16/93	04/24/93	GCQUE1304231901	Tetrachloroethene Trichloroethene	42 C 360 C	(5) (10)		5.0 MCL 5.0 MCL	
MW-41S	8020	NS	04/16/93	04/24/93	GCQUE2304231901	No Analytes Detected	ND				
MW-51	8010	F	04/06/93	04/09/93	GCJAY1304081301	No Analytes Detected	ND				
MW-51	8020	NS	04/06/93	04/09/93	GCJAY2304081301	No Analytes Detected	ND				
MW-51	6010	NS	04/06/93	04/14/93	EMJA61304141701	Barium Calcium	0.067 19	(0.004) (0.05)		1.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-51	6010	NS	04/06/93	04/14/93	ENJAG1304141701	Iron Magnesium Manganese Sodium Vanadium Zinc	0.24 11 0.011 19 0.024 @ 0.0060 @	(0.009) (0.03) (0.002) (0.15) (0.008) (0.003)			
209305	6010	FD	04/06/93	04/14/93	ENJAG1304141701	Barium Calcium Iron Magnesium Manganese Sodium Vanadium	0.064 19 0.17 11 0.010 18 0.029 @	(0.004) (0.05) (0.009) (0.03) (0.002) (0.15) (0.008)		1.0 MCL	
MW-51	7060	NS	04/06/93	04/16/93	AAZ3__304160902	Arsenic	ND	(0.004)		0.050 MCL	
209305	7060	FD	04/06/93	04/16/93	AAZ3__304160902	Arsenic	ND	(0.004)		0.050 MCL	
MW-51	7421	NS	04/06/93	04/16/93	AAZ3__304161501	Lead	ND	(0.003)		0.050 MCL	
209305	7421	FD	04/06/93	04/16/93	AAZ3__304161501	Lead	ND	(0.003)		0.050 MCL	
MW-51	7470	NS	04/06/93	04/08/93	AAZ4__304082001	Mercury	ND	(0.0002)		0.0020 MCL	
209305	7470	FD	04/06/93	04/08/93	AAZ4__304082001	Mercury	ND	(0.0002)		0.0020 MCL	
MW-51	7740	NS	04/06/93	04/19/93	AAZ4__304190902	Selenium	ND	(0.002)	H	0.010 MCL	
209305	7740	FD	04/06/93	04/19/93	AAZ4__304190902	Selenium	ND	(0.002)		0.010 MCL	
MW-53	8010	NS	04/22/93	05/04/93	GCQUE1305031501	1,1-Dichloroethene Trichloroethene	1.1 C@ 0.32 C@	(0.7) (0.2)		6.0 MCL 5.0 MCL	
MW-53	8020	NS	04/22/93	05/04/93	GCQUE2305031501	No Analytes Detected	ND				
209306	8020	FD	04/22/93	04/30/93	GCQUE2304292301	No Analytes Detected	ND				
MW-53	6010	NS	04/22/93	04/28/93	ENJAG1304281801	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Sodium Zinc	0.066 @ 0.013 @ 12 0.028 @ 9.7 7.0 0.24 17 0.45	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.15) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-53	7060	NS	04/22/93	05/03/93	AAZ3_305030703	Arsenic	ND	(0.004)		0.050 MCL	
MW-53	7421	NS	04/22/93	05/06/93	AAZ4_305060901	Lead	ND	(0.003)		0.050 MCL	
MW-53	7470	NS	04/22/93	04/27/93	AAZ4_304271901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-53	7740	NS	04/22/93	04/30/93	AAZ4_304300701	Selenium	ND	(0.002)		0.010 MCL	
MW-54	8010	NS	04/07/93	04/12/93	6CQUE1304121201	No Analytes Detected	ND				
MW-54	8020	NS	04/07/93	04/12/93	6CQUE2304121201	No Analytes Detected	ND				
MW-54	6010	NS	04/07/93	04/14/93	ENJA61304141201	Barium Calcium Iron Magnesium Manganese Sodium Zinc	0.16 13 2.2 Z 9.1 0.97 17 0.0030	(0.004) (0.05) (0.009) (0.03) (0.002) (0.15) (0.003)		1.0 MCL	
MW-54	7060	NS	04/07/93	04/22/93	AAZ3_304221001	Arsenic	ND	(0.004)		0.050 MCL	
MW-54	7421	NS	04/07/93	04/20/93	AAZ2_304201402	Lead	ND	(0.003)		0.050 MCL	
MW-54	7470	NS	04/07/93	04/08/93	AAZ4_304082001	Mercury	ND	(0.0002)		0.0020 MCL	
MW-54	7740	NS	04/07/93	04/20/93	AAZ3_304201201	Selenium	ND	(0.002)		0.010 MCL	
MW-68	8010	NS	04/22/93	04/30/93	6CQUE1304292301	No Analytes Detected	ND				
MW-68	8020	NS	04/22/93	04/30/93	6CQUE2304292301	No Analytes Detected	ND				
MW-68	6010	NS	04/22/93	04/28/93	ENJA61304281801	Barium Calcium Chromium Iron Magnesium Manganese Sodium Vanadium	0.032 15 0.0092 0.35 11 0.0060 12 0.025	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.15) (0.008)		1.0 MCL 0.050 MCL	
MW-68	7060	NS	04/22/93	05/03/93	AAZ3_305030703	Arsenic	ND	(0.004)		0.050 MCL	
MW-68	7421	NS	04/22/93	05/06/93	AAZ4_305060901	Lead	ND	(0.003)		0.050 MCL	
MW-68	7470	NS	04/22/93	04/27/93	AAZ4_304271901	Mercury	ND	(0.0002)		0.0020 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-88	7740	NS	04/22/93	04/30/93	AAZ4_304300701	Selenium	ND	(0.002)		0.010 MCL	
MW-89	8010	NS	04/05/93	04/07/93	GCJAY1304071101	1,1-Dichloroethene	210 C	(7)		5.0 MCL	
MW-89	8020	NS	04/05/93	04/07/93	GCJAY2304071101	No Analytes Detected	ND				
MW-89	6010	NS	04/05/93	04/14/93	ENJA61304141701	Barium Calcium Chromium Iron Magnesium Manganese Sodium Vanadium Zinc	0.031 13 0.0081 @ 0.81 8.7 0.025 16 0.024 @ 0.0039 @	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL	
MW-89	7060	NS	04/05/93	04/16/93	AAZ3_304160902	Arsenic	ND	(0.004)		0.050 MCL	
MW-89	7421	NS	04/05/93	04/16/93	AAZ3_304161501	Lead	0.0053 @	(0.003)		0.050 MCL	
MW-89	7470	NS	04/05/93	04/07/93	AAZ4_304071901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-89	7740	NS	04/05/93	04/20/93	AAZ4_304201001	Selenium	ND	(0.002)		0.010 MCL	
MW-102	8010	NS	04/15/93	04/22/93	GCQUE1304211201	No Analytes Detected	ND				TB-3
AB-102	8010	AB	04/15/93	04/22/93	GCQUE1304211201	No Analytes Detected	ND				
MW-102	8020	NS	04/15/93	04/22/93	GCQUE2304211201	No Analytes Detected	ND				TB-3
AB-102	8020	AB	04/15/93	04/22/93	GCQUE2304211201	No Analytes Detected	ND				
MW-102	6010	NS	04/15/93	04/20/93	ENJA61304201901	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Sodium Vanadium Zinc	0.53 0.059 16 0.020 @ 0.65 10 0.016 23 0.034 @ 0.0048 @	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL	
MW-102	7060	NS	04/15/93	04/29/93	AAZ3_304290702	Arsenic	ND	(0.004)		0.050 MCL	
MW-102	7421	NS	04/15/93	04/27/93	AAZ2_304271401	Lead	ND	(0.003)		0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC	
MW-102	7470	MS	04/15/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL		
MW-102	7740	MS	04/15/93	04/23/93	AAZ4_304230701	Selenium	ND	(0.002)		0.010 MCL		
MW-111	8010	MS	04/21/93	05/04/93	GCJAY1305031301	1,1-Dichloroethane Trichloroethene cis-1,2-Dichloroethene	3.7 C 8.4 G 0.60 C@	(0.5) (0.2) (0.25)		5.0 MCL 5.0 MCL 6.0 MCL		
209307	8010	FD	04/21/93	05/03/93	GCJAY1305031301	1,1-Dichloroethane Trichloroethene cis-1,2-Dichloroethene	4.6 C 1.3 C 0.80 C@	(0.5) (0.2) (0.25)		5.0 MCL 5.0 MCL 6.0 MCL		
MW-111	6010	MS	04/21/93	04/27/93	EMJAG1304271701	Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.099 38 Z 0.015 @ 0.089 27 0.0086 @ 0.10 25 0.026 @ 0.0040 @	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL		
MW-111	7060	MS	04/21/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)		0.050 MCL		
MW-111	7421	MS	04/21/93	04/27/93	AAZ2_304271403	Lead	ND	(0.003)		0.050 MCL		
MW-111	7470	MS	04/21/93	04/27/93	AAZ4_304271901	Mercury	ND	(0.0002)		0.0020 MCL		
MW-111	7740	MS	04/21/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL		
MW-135	8010	MS	04/15/93	04/22/93	GCQUE1304211201	1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	0.27 C@ 1.1 C 12 C 1.9 C	(0.15) (0.15) (0.2) (0.25)		0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL	TB-3	
209308	8010	FD	04/15/93	04/22/93	GCQUE1304211201	Chloroform Trichloroethene cis-1,2-Dichloroethene	1.0 C 9.2 C 1.6 C	(0.15) (0.2) (0.25)		100 PMCL 5.0 MCL 6.0 MCL	TB-3	
MW-135	8020	MS	04/15/93	04/22/93	GCQUE2304211201	No Analytes Detected	ND				TB-3	
MW-135	6010	MS	04/15/93	04/20/93	EMJAG1304201901	Barium Calcium Chromium Iron	0.054 19 0.016 @ 0.010 @	(0.004) (0.05) (0.007) (0.009)		1.0 MCL 0.050 MCL		

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-135	6010	NS	04/15/93	04/20/93	EMJA61304201901	Magnesium Sodium Vanadium	11 15 0.030 @	(0.03) (0.15) (0.008)			
MW-135	7060	NS	04/15/93	04/29/93	AAZ3_304290702	Arsenic	ND	(0.004)		0.050 MCL	
MW-135	7421	NS	04/15/93	04/27/93	AAZ2_304271401	Lead	ND	(0.003)		0.050 MCL	
MW-135	7470	NS	04/15/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-135	7740	NS	04/15/93	04/23/93	AAZ4_304230701	Selenium	ND	(0.002)		0.010 MCL	
MW-145	8010	NS	04/08/93	04/14/93	GCQUE1304132101	Trichloroethene cis-1,2-Dichloroethene	1.0 C 0.32 C@	(0.2) (0.25)		5.0 MCL 6.0 MCL	
MW-145	8020	NS	04/08/93	04/14/93	GCQUE2304132101	No Analytes Detected	ND				
MW-145	6010	NS	04/08/93	04/14/93	EMJA61304141201	Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.048 15 0.011 @ 0.050 Z 11 0.0058 @ 0.076 @ 15 0.025 @ 0.0078 @	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL	
MW-145	7060	NS	04/08/93	04/21/93	AAZ3_304211702	Arsenic	ND	(0.004)		0.050 MCL	
MW-145	7421	NS	04/08/93	04/20/93	AAZ2_304201402	Lead	ND	(0.003)		0.050 MCL	
MW-145	7470	NS	04/08/93	04/15/93	AAZ4_304151701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-145	7740	NS	04/08/93	04/20/93	AAZ3_304201201	Selenium	ND	(0.002)		0.010 MCL	
MW-149	8010	NS	04/08/93	04/15/93	GCQUE1304151501	Trichloroethene	0.39 P@	(0.2)		5.0 MCL	
209309	8010	FD	04/08/93	04/14/93	GCQUE1304132101	Trichloroethene	0.38 C@	(0.2)		5.0 MCL	
MW-149	8020	NS	04/08/93	04/15/93	GCQUE2304151501	No Analytes Detected	ND				
MW-149	6010	NS	04/08/93	04/14/93	EMJA61304141201	Barium Calcium Chromium Iron Magnesium	0.047 21 0.080 6.0 Z 14	(0.004) (0.05) (0.007) (0.009) (0.03)		1.0 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-149	6010	NS	04/08/93	04/14/93	EMJAE1304141201	Manganese Nickel Potassium Sodium Vanadium Zinc	0.065 0.27 5.9 @ 22 0.011 @ 1.6	(0.002) (0.016) (3) (0.15) (0.008) (0.003)			
MW-149	7060	NS	04/08/93	04/21/93	AAZ3_304211702	Arsenic	ND	(0.004)		0.050 MCL	
MW-149	7421	NS	04/08/93	04/20/93	AAZ2_304201402	Lead	ND	(0.003)		0.050 MCL	
MW-149	7470	NS	04/08/93	04/15/93	AAZ4_304151701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-149	7740	NS	04/08/93	04/20/93	AAZ3_304201201	Selenium	ND	(0.002)		0.010 MCL	
MW-150	8010	NS	04/09/93	04/16/93	GCJAY1304152101	1,1,1-Trichloroethane Tetrachloroethene	0.55 @ 1.3 P	(0.55) (0.1)		200 MCL 5.0 MCL	
EB-150	8010	EB	04/09/93	04/16/93	GCJAY1304152101	No Analytes Detected	ND			5.0 MCL	
MW-151	8010	NS	04/09/93	04/16/93	GCJAY1304152101	Tetrachloroethene	7.9 C	(0.1)		1.0 MCL	
MW-151	6010	NS	04/09/93	04/14/93	EMJAE1304141202	Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.037 13 0.021 @ 0.43 9.2 0.063 0.44 3.1 @ 15 0.018 @ 0.77	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)		0.050 MCL	
2Q9310	6010	FD	04/09/93	04/14/93	EMJAE1304141202	Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.036 13 0.034 @ 0.56 9.1 0.057 0.46 3.0 @ 15 0.018 @ 0.86	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL	
MW-151	7060	NS	04/09/93	04/23/93	AAZ3_304230602	Arsenic	ND	(0.004)		0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
209310	7060	FD	04/09/93	04/23/93	AAZ3_304230603	Arsenic	ND	(0.004)		0.050 MCL	
MA-151	7421	NS	04/09/93	04/20/93	AAZ2_304201403	Lead	ND	(0)		0.050 MCL	
209310	7421	FD	04/09/93	04/20/93	AAZ2_304201403	Lead	ND	(0)		0.050 MCL	
MA-151	7470	NS	04/09/93	04/15/93	AAZ4_304151701	Mercury	ND	(0.0002)		0.0020 MCL	
209310	7470	FD	04/09/93	04/15/93	AAZ4_304151701	Mercury	ND	(0.0002)		0.0020 MCL	
MA-151	7740	NS	04/09/93	04/26/93	AAZ4_304260702	Selenium	ND	(0.002)		0.010 MCL	
209310	7740	FD	04/09/93	04/26/93	AAZ4_304260702	Selenium	ND	(0.002)		0.010 MCL	
MA-152	8010	NS	04/09/93	04/16/93	GCJAY1304152101	No Analytes Detected	ND				
MA-153	8010	NS	04/09/93	04/16/93	GCJAY1304152101	Tetrachloroethene Trichloroethene cis-1,2-Dichloroethene	4.7 P 56 P 5.5 P@	(0.5) (1) (1.2)		5.0 MCL 5.0 MCL 6.0 MCL	
MA-155	8010	NS	04/09/93	04/16/93	GCQUE1304151501	1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	0.44 P@ 1.7 P 25 P 15 P	(0.15) (0.15) (0.2) (0.25)		0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL	
EB-155	8010	EB	04/09/93	04/16/93	GCQUE1304151501	Chloroform	0.29 @	(0.15)		100 PMCL	
MA-155	8020	NS	04/09/93	04/16/93	GCQUE2304151501	No Analytes Detected	ND				
EB-155	8020	EB	04/09/93	04/16/93	GCQUE2304151501	No Analytes Detected	ND				
MA-155	8010	NS	04/09/93	04/14/93	ENJAG1304141202	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.049 @ 0.045 15 0.15 1.4 11 0.019 0.29 16 0.024 @ 0.042	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 0.050 MCL		
MA-155	7060	NS	04/09/93	04/23/93	AAZ3_304230603	Arsenic	ND	(0.004)		0.050 MCL	
MA-155	7421	NS	04/09/93	04/20/93	AAZ2_304201403	Lead	0.0053 @	(0.003)		0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-155	7470	NS	04/09/93	04/15/93	AAZ4_304151701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-155	7740	NS	04/09/93	04/26/93	AAZ4_304260702	Selenium	ND	(0.002)		0.010 MCL	
MW-155	8010	NS	04/19/93	04/29/93	GCQUE1304282001	Trichloroethene cis-1,2-Dichloroethene	99 P 29 P	(1) (1.2)		5.0 MCL 6.0 MCL	
209311	8010	FD	04/19/93	04/30/93	GCQUE1304292301	Trichloroethene cis-1,2-Dichloroethene	85 C 25 C	(1) (1.2)		5.0 MCL 6.0 MCL	
MW-164	8010	NS	04/19/93	04/30/93	GCQUE1304292301	1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	1.3 C0 1.3 C0 0.31 C0 1.1 C 16 C 10 C	(0.5) (0.7) (0.15) (0.15) (0.2) (0.25)	PF PF	5.0 MCL 6.0 MCL 0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL	
209312	8010	FD	04/19/93	04/29/93	GCQUE1304282001	1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane Chloroform Trichloroethene cis-1,2-Dichloroethene	1.3 C0 0.82 C0 0.15 C0 1.1 C 17 C 10 C	(0.5) (0.7) (0.15) (0.15) (0.2) (0.25)		5.0 MCL 5.0 MCL 0.50 MCL 100 PMCL 5.0 MCL 6.0 MCL	
MW-164	8020	NS	04/19/93	04/29/93	GCQUE2304282001	No Analytes Detected	ND				
MW-164	6010	NS	04/19/93	04/27/93	EMJA61304271701	Aluminum Barium Calcium Chromium Copper Iron Magnesium Manganese Molybdenum Nickel Sodium Vanadium Zinc	0.30 Z 0.061 21 Z 1.8 0.023 Z0 6.1 15 0.025 0.017 0 0.042 0 21 0.048 0.030	(0.045) (0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.002) (0.008) (0.016) (0.15) (0.008) (0.003)	R	1.0 MCL 1.0 MCL 0.050 MCL	
MW-164	7060	NS	04/19/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)		0.050 MCL	
MW-164	7421	NS	04/19/93	04/27/93	AAZ2_304271403	Lead	0.0066 0	(0.003)		0.050 MCL	
MW-164	7470	NS	04/19/93	04/21/93	AAZ4_304211901	Mercury	ND	(0.0002)		0.0020 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MA-164	7740	NS	04/19/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
MA-166	8010	NS	04/19/93	04/27/93	EMJA61304271701	Barium Calcium Chromium Iron Magnesium Manganese Potassium Sodium Vanadium Zinc	0.10 27 Z 0.043 0.25 20 0.0042 @ 3.3 @ 22 0.026 @ 0.0038 @	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (3) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL	
EB-166	6010	EB	04/19/93	04/27/93	EMJA61304271701	Aluminum Calcium Chromium Copper Iron Magnesium Manganese Sodium Zinc	1.7 Z 0.22 Z@ 0.016 @ 0.017 Z@ 0.17 0.070 @ 0.019 0.33 @ 0.011 @	(0.045) (0.05) (0.007) (0.006) (0.009) (0.03) (0.002) (0.15) (0.003)		1.0 MCL 0.050 MCL	
MA-166	7060	NS	04/19/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)		0.050 MCL	
EB-166	7060	EB	04/19/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)		0.050 MCL	
MA-166	7421	NS	04/19/93	04/27/93	AAZ2_304271403	Lead	ND	(0.003)		0.050 MCL	
EB-166	7421	EB	04/19/93	04/27/93	AAZ2_304271403	Lead	ND	(0.003)		0.050 MCL	
MA-166	7470	NS	04/19/93	04/21/93	AAZ4_304211901	Mercury	ND	(0.0002)		0.0020 MCL	
EB-166	7470	EB	04/19/93	04/21/93	AAZ4_304211901	Mercury	ND	(0.0002)		0.0020 MCL	
MA-166	7740	NS	04/19/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
EB-166	7740	EB	04/19/93	04/29/93	AAZ4_304290801	Selenium	0.0034 @	(0.002)		0.010 MCL	
MA-167	8010	NS	04/19/93	04/29/93	GCQUE1304282001	1,2-Dichloroethane Trichloroethene cis-1,2-Dichloroethene	0.36 C@ 28 C 11 C	(0.15) (0.2) (0.25)	PF PF	0.50 MCL 5.0 MCL 6.0 MCL	
MA-167	8020	NS	04/19/93	04/29/93	GCQUE2304282001	No Analytes Detected	ND				
208313	8020	FD	04/19/93	04/30/93	GCQUE2304292301	No Analytes Detected	ND				

TABLE 4 (Continued)

Well	Method	Field Analysts	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
NW-167	6010	NS	04/19/93	04/27/93	ENJAG130421701	Aluminum	0.066 Z	(0.045)	R		1.0 MCL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
						Barium	0.071	(0.004)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Calcium	34 Z	(0.05)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Chromium	0.063	(0.007)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Iron	0.56	(0.009)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Magnesium	3.9	(0.03)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Manganese	0.011	(0.002)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Molybdenum	0.012	(0.008)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Nickel	0.041	(0.016)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Potassium	11	(3)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Sodium	25	(0.15)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Vanadium	0.011	(0.008)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						Zinc	0.042	(0.003)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
						NW-167	7060	NS				04/19/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)			0.050 MCL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC	
MW-170	7060	NS	04/08/93	04/21/93	AAZ3_304211702	Arsenic	ND	(0.004)		0.050 MCL		
MW-170	7421	NS	04/08/93	04/20/93	AAZ2_304201402	Lead	ND	(0.003)		0.050 MCL		
MW-170	7470	NS	04/08/93	04/15/93	AAZ4_304151701	Mercury	ND	(0.0002)		0.0020 MCL		
MW-170	7740	NS	04/08/93	04/21/93	AAZ4_304210802	Selenium	ND	(0.002)		0.010 MCL		
MW-174	8010	NS	04/13/93	04/20/93	GCJAY1304191001	Trichloroethene	0.77 Cθ	(0.2)		5.0 MCL	TB-2	
MW-174	8020	NS	04/13/93	04/20/93	GCJAY2304191001	No Analytes Detected	ND				TB-2	
MW-174	6010	NS	04/13/93	04/26/93	EMJA61304261701	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.28 0.049 14 0.11 3.6 11 0.045 0.062 θ 5.1 θ 17 0.037 θ 0.050	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 0.050 MCL			
EB-174	6010	EB	04/13/93	04/26/93	EMJA61304261701	Calcium Iron Magnesium Sodium	0.15 θ 0.032 θ 0.046 θ 0.31 θ	(0.05) (0.009) (0.03) (0.15)			0.050 MCL	
MW-174	7060	NS	04/13/93	04/26/93	AAZ3_304260801	Arsenic	ND	(0.004)		0.050 MCL		
EB-174	7060	EB	04/13/93	04/26/93	AAZ3_304260801	Arsenic	ND	(0.004)		0.050 MCL		
MW-174	7421	NS	04/13/93	04/26/93	AAZ2_304261403	Lead	0.0030 θ	(0.003)		0.050 MCL		
EB-174	7421	EB	04/13/93	04/26/93	AAZ2_304261403	Lead	ND	(0.003)		0.050 MCL		
MW-174	7470	NS	04/13/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL		
EB-174	7470	EB	04/13/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL		
MW-174	7740	NS	04/13/93	04/26/93	AAZ4_304260703	Selenium	ND	(0.002)		0.010 MCL		
EB-174	7740	EB	04/13/93	04/26/93	AAZ4_304260703	Selenium	ND	(0.002)		0.010 MCL		

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MA-175	8010	NS	04/08/93	04/16/93	GCQUE1304151501	No Analytes Detected	ND				
AB-175	8010	AB	04/08/93	04/14/93	GCQUE1304132101	No Analytes Detected	ND				
MA-175	8020	NS	04/08/93	04/16/93	GCQUE2304151501	No Analytes Detected	ND				
AB-175	8020	AB	04/08/93	04/14/93	GCQUE2304132101	No Analytes Detected	ND				
MA-175	6010	NS	04/08/93	04/14/93	ENJAB1304141201	Aluminum Barium Calcium Chromium Copper Iron Magnesium Manganese Sodium Vanadium Zinc	0.065 @ 0.032 13 0.29 0.0075 @ 1.3 Z 9.4 0.012 12 0.032 @ 0.23	{0.045} {0.004} {0.05} {0.007} {0.006} {0.008} {0.03} {0.002} {0.15} {0.008} {0.003}	1.0 MCL 1.0 MCL 0.050 MCL		
MA-175	7060	NS	04/08/93	04/21/93	AAZ3_304211702	Arsenic	ND	{0.016}		0.050 MCL	
MA-175	7421	NS	04/08/93	04/20/93	AAZ2_304201402	Lead	ND	{0.003}		0.050 MCL	
MA-175	7470	NS	04/08/93	04/15/93	AAZ4_304151701	Mercury	ND	{0.0002}		0.0020 MCL	
MA-175	7740	NS	04/08/93	04/21/93	AAZ4_304210802	Selenium	ND	{0.002}	M	0.010 MCL	
MA-176	8010	NS	04/08/93	04/16/93	GCQUE1304151501	Trichloroethene	0.60 P@	{0.2}		5.0 MCL	
MA-176	8020	NS	04/08/93	04/16/93	GCQUE2304151501	No Analytes Detected	ND				
209315	8020	FD	04/08/93	04/13/93	GCQUE2304121201	No Analytes Detected	ND				
MA-178	8010	NS	04/13/93	04/20/93	GCQUE1304200001	Carbon Tetrachloride Chloroform Trichloroethene	20 C 6.3 C@ 89 C	{3.5} {1.5} {2}		0.50 MCL 100 PMCL 5.0 MCL	TB-2
EB-178	8010	EB	04/13/93	04/19/93	GCQUE1304181501	No Analytes Detected	ND				
MA-178	8020	NS	04/13/93	04/20/93	GCJAY2304191001	No Analytes Detected	ND				TB-2
EB-178	8020	EB	04/13/93	04/19/93	GCQUE2304181501	No Analytes Detected	ND				
MA-178	6010	NS	04/13/93	04/26/93	ENJAB1304261701	Aluminum Barium Calcium	0.27 0.087 26	{0.045} {0.004} {0.05}		1.0 MCL 1.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MA-178	6010	NS	04/13/93	04/26/93	EKJA61304261701	Chromium	0.72	(0.007)		0.050 MCL	
						Iron	3.3	(0.009)			
						Magnesium	18	(0.03)			
						Manganese	0.032	(0.002)			
						Nickel	0.018	(0.016)			
						Sodium	18	(0.15)			
						Vanadium	0.028	(0.008)			
						Zinc	0.054	(0.003)			
MA-178	7060	NS	04/13/93	04/26/93	AAZ3_304260801	Arsenic	ND	(0.004)		0.050 MCL	
MA-178	7421	NS	04/13/93	04/26/93	AAZ2_304261403	Lead	ND	(0.003)		0.050 MCL	
MA-178	7470	NS	04/13/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL	
MA-178	7740	NS	04/13/93	04/26/93	AAZ4_304260703	Selenium	ND	(0.002)		0.010 MCL	
MA-179	8010	NS	04/13/93	04/20/93	GCJAY1304191001	No Analytes Detected	ND				TB-2
AB-179	8010	AB	04/13/93	04/19/93	GCQUE1304181501	No Analytes Detected	ND				
MA-179	8020	NS	04/13/93	04/20/93	GCJAY2304191001	No Analytes Detected	ND				TB-2
AB-179	8020	AB	04/13/93	04/19/93	GCQUE2304181501	No Analytes Detected	ND				
MA-179	6010	NS	04/13/93	04/26/93	EMJA61304261701	Aluminum	0.049	(0.045)		1.0 MCL	
					Barium	0.053	(0.004)			1.0 MCL	
					Calcium	16	(0.05)				
					Chromium	0.030	(0.007)			0.050 MCL	
					Iron	0.37	(0.009)				
					Magnesium	11	(0.03)				
					Manganese	0.022	(0.002)				
					Nickel	0.081	(0.016)				
					Potassium	3.2	(3)				
					Sodium	15	(0.15)				
					Vanadium	0.020	(0.008)				
					Zinc	0.027	(0.003)				
MA-179	7060	NS	04/13/93	04/26/93	AAZ3_304260801	Arsenic	ND	(0.004)		0.050 MCL	
MA-179	7421	NS	04/13/93	04/26/93	AAZ2_304261403	Lead	ND	(0.003)		0.050 MCL	
MA-179	7470	NS	04/13/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL	
MA-179	7740	NS	04/13/93	04/26/93	AAZ4_304260703	Selenium	ND	(0.002)		0.010 MCL	
MA-182	8020	NS	04/09/93	04/16/93	GCJAY2304152101	No Analytes Detected	ND				

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-182	6010	NS	04/09/93	04/14/93	ENJA61304141202	Aluminum	0.085 @	(0.045)	PF	1.0 MCL	
						Barium	0.031	(0.004)		1.0 MCL	
						Calcium	14	(0.05)			
						Chromium	1.1	(0.007)		0.050 MCL	
						Copper	0.030	(0.006)	PF		
						Iron	3.7	(0.009)			
						Magnesium	11	(0.03)			
						Manganese	0.068	(0.002)			
						Nickel	0.080	(0.016)	PF		
						Sodium	14	(0.15)			
						Vanadium	0.044	(0.008)			
						Zinc	0.019	(0.003)			
209316	6010	FD	04/09/93	04/14/93	ENJA61304141202	Aluminum	0.17 @	(0.045)		1.0 MCL	
						Barium	0.036	(0.004)		1.0 MCL	
						Calcium	14	(0.05)			
						Chromium	1.2	(0.007)		0.050 MCL	
						Copper	0.074	(0.006)			
						Iron	4.3	(0.009)			
						Magnesium	11	(0.03)			
						Manganese	0.064	(0.002)			
						Molybdenum	0.010 @	(0.008)			
						Nickel	0.14	(0.016)			
						Sodium	14	(0.15)			
						Vanadium	0.049	(0.008)			
						Zinc	0.024	(0.003)			
MW-182	7060	NS	04/09/93	04/23/93	AAZ3_304230603	Arsenic	0.0046 @	(0.004)		0.050 MCL	
209316	7060	FD	04/09/93	04/23/93	AAZ3_304230603	Arsenic	ND	(0.004)		0.050 MCL	
MW-182	7421	NS	04/09/93	04/20/93	AAZ2_304201403	Lead	ND	(0.003)		0.050 MCL	
209316	7421	FD	04/09/93	04/20/93	AAZ2_304201403	Lead	ND	(0)		0.050 MCL	
MW-182	7470	NS	04/09/93	04/15/93	AAZ4_304151701	Mercury	ND	(0.0002)		0.0020 MCL	
209316	7470	FD	04/09/93	04/15/93	AAZ4_304151701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-182	7740	NS	04/09/93	04/26/93	AAZ4_304260702	Selenium	ND	(0.002)		0.010 MCL	
209316	7740	FD	04/09/93	04/26/93	AAZ4_304260702	Selenium	ND	(0.002)		0.010 MCL	
MW-185	8010	NS	04/13/93	04/16/93	GCJAY1304152101	Trichloroethene cis-1,2-Dichloroethene	3.5 C 2.1 C	(0.2) (0.25)		5.0 MCL 6.0 MCL	T8-2

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
AB-185	8010	AB	04/13/93	04/19/93	6CQUE1304181501	No Analytes Detected	ND				TB-2
AB-185	8020	NS	04/13/93	04/16/93	6CJAY2304152101	No Analytes Detected	ND				
AB-185	8020	AB	04/13/93	04/19/93	6CQUE2304181501	No Analytes Detected	ND				
AB-187	8010	NS	04/23/93	05/05/93	6CQUE1305041901	Tetrachloroethene Trichloroethene	0.32 C@ 1.6 C	{0.1} {0.2}		5.0 MCL 5.0 MCL	
EB-187	8010	EB	04/23/93	05/05/93	6CQUE1305041901	No Analytes Detected	ND				
AB-187	6010	NS	04/23/93	04/28/93	ENJA61304281801	Aluminum	0.060 @	{0.045}		1.0 MCL	
						Barium	0.037	{0.004}		1.0 MCL	
						Calcium	14	{0.05}			
						Chromium	0.018 @	{0.007}			
						Copper	0.0067 @	{0.006}		0.050 MCL	
						Iron	1.4	{0.009}			
						Magnesium	9.7	{0.03}			
						Manganese	0.033	{0.002}			
						Potassium	3.0 @	{3}			
						Sodium	14	{0.15}			
						Vanadium	0.013 @	{0.008}			
						Zinc	1.4	{0.003}			
AB-187	7060	NS	04/23/93	05/03/93	AAZ3_305030703	Arsenic	ND	{0.004}		0.050 MCL	
AB-187	7421	NS	04/23/93	05/06/93	AAZ4_305060901	Lead	0.0033 @	{0.003}		0.050 MCL	
AB-187	7470	NS	04/23/93	05/05/93	AAZ4_305051301	Mercury	ND	{0.0002}		0.0020 MCL	
AB-187	7740	NS	04/23/93	04/30/93	AAZ4_304300701	Selenium	ND	{0.002}		0.010 MCL	
AB-189	8010	NS	04/21/93	04/30/93	6CJAY1304292201	Tetrachloroethene Trichloroethene	8.6 C 30 C	{0.1} {0.2}		5.0 MCL 5.0 MCL	
AB-189	8010	AB	04/21/93	04/30/93	6CJAY1304292201	No Analytes Detected	ND				
AB-189	8020	NS	04/21/93	04/30/93	6CJAY2304292201	No Analytes Detected	ND				
AB-189	8020	AB	04/21/93	04/30/93	6CJAY2304292201	No Analytes Detected	ND				
AB-189	6010	NS	04/21/93	04/27/93	ENJA61304271701	Barium Calcium Chromium Copper Iron Magnesium	0.058 17 Z 0.029 @ 0.012 Z@ 0.11 3.7	{0.004} {0.05} {0.007} {0.006} {0.009} {0.03}		1.0 MCL 0.050 MCL	R

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-189	6010	MS	04/21/93	04/27/93	ENJA61304271701	Manganese Nickel Potassium Sodium Vanadium Zinc	0.0052 # 0.052 # 22 36 0.028 # 0.013 #	{0.002} {0.016} (3) {0.15} {0.008} {0.003}			
MW-189	7060	MS	04/21/93	04/29/93	AAZ3_304290704	Arsenic	ND	{0.004}		0.050 MCL	
MW-189	7421	MS	04/21/93	04/27/93	AAZ2_304271403	Lead	ND	{0.003}		0.050 MCL	
MW-189	7470	MS	04/21/93	04/27/93	AAZ4_304271901	Mercury	ND	{0.0002}		0.0020 MCL	
MW-189	7740	MS	04/21/93	04/29/93	AAZ4_304290801	Selenium	ND	{0.002}		0.010 MCL	
MW-191	8010	MS	04/12/93	04/17/93	GCQUE1304162101	Tetrachloroethene Trichloroethene	0.13 C# 0.75 C#	{0.1} {0.2}		5.0 MCL 5.0 MCL	TB-1
MW-191	8020	MS	04/12/93	04/17/93	GCQUE2304162101	No Analytes Detected	ND				TB-1
209317	8020	FD	04/12/93	04/17/93	GCQUE2304162101	No Analytes Detected	ND				TB-1
MW-192	8010	MS	04/15/93	04/23/93	GCQUE1304221201	No Analytes Detected	ND				TB-3
MW-192	8020	MS	04/15/93	04/23/93	GCQUE2304221201	No Analytes Detected	ND				TB-3
MW-192	6010	MS	04/15/93	04/20/93	ENJA61304201901	Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.040 16 0.22 2.4 12 0.021 0.11 15 0.028 # 0.014 #	{0.004} {0.05} {0.007} {0.009} {0.03} {0.002} {0.016} {0.15} {0.008} {0.003}	1.0 MCL 0.050 MCL		
MW-192	7060	MS	04/15/93	04/29/93	AAZ3_304290702	Arsenic	ND	{0.004}		0.050 MCL	
MW-192	7421	MS	04/15/93	04/27/93	AAZ2_304271401	Lead	ND	{0.003}		0.050 MCL	
MW-192	7470	MS	04/15/93	04/16/93	AAZ4_304161901	Mercury	ND	{0.0002}		0.0020 MCL	
MW-192	7740	MS	04/15/93	04/23/93	AAZ4_304230701	Selenium	ND	{0.002}		0.010 MCL	
MW-193	8010	MS	04/21/93	04/30/93	GCJAY1304292201	No Analytes Detected	ND				

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EB-193	8010	EB	04/21/93	04/30/93	GCJAY1304292201	No Analytes Detected	ND				
MA-193	8020	NS	04/21/93	04/30/93	GCJAY2304292201	No Analytes Detected	ND				
EB-193	8020	EB	04/21/93	04/30/93	GCJAY2304292201	No Analytes Detected	ND				
MA-193	6010	NS	04/21/93	04/27/93	ENJAE1304271701	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.063 Z ⁰ 0.044 17 Z 1.0 3.5 12 0.019 0.11 8.0 θ 18 0.029 θ 0.033	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)	R	1.0 MCL 1.0 MCL 0.050 MCL	
MA-193	7060	NS	04/21/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)		0.050 MCL	
MA-193	7421	NS	04/21/93	04/27/93	AAZ2_304271403	Lead	0.0032 θ	(0.003)		0.050 MCL	
MA-193	7470	NS	04/21/93	04/27/93	AAZ4_304271901	Mercury	ND	(0.0002)		0.0020 MCL	
MA-193	7740	NS	04/21/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
MA-194	8010	NS	04/14/93	04/20/93	GCQUE1304200001	Tetrachloroethene Trichloroethene	0.39 G θ 8.1 G	(0.1) (0.2)		5.0 MCL 5.0 MCL	
MA-194	8020	NS	04/14/93	04/20/93	GCQUE2304200001	No Analytes Detected	ND				
MA-195	8010	NS	04/22/93	05/03/93	GCQUE1305031501	Tetrachloroethene Trichloroethene	1.4 C 1.8 C	(0.1) (0.2)		5.0 MCL 5.0 MCL	
MA-195	8020	NS	04/22/93	05/03/93	GCQUE2305031501	No Analytes Detected	ND				
MA-195	6010	NS	04/22/93	04/28/93	ENJAE1304281801	Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium	0.018 θ 11 0.032 θ 0.20 7.8 0.017 0.059 θ 3.5 θ 16 0.024 θ	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008)		1.0 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-195	6010	NS	04/22/93	04/28/93	EMJA61304281801	Zinc	0.013 #	(0.003)			
MW-195	7060	NS	04/22/93	05/03/93	AAZ3__305030703	Arsenic	ND	(0.004)		0.050 MCL	
MW-195	7421	NS	04/22/93	05/06/93	AAZ4__305060901	Lead	ND	(0.003)		0.050 MCL	
MW-195	7470	NS	04/22/93	04/27/93	AAZ4__304271901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-195	7740	NS	04/22/93	04/30/93	AAZ4__304300701	Selenium	ND	(0.002)		0.010 MCL	
MW-197	8010	NS	04/15/93	04/21/93	GCQUE1304211201	Tetrachloroethene Trichloroethene	0.75 C 6.4 C	{0.1} {0.2}		5.0 MCL 5.0 MCL	TB-3
MW-197	8020	NS	04/15/93	04/21/93	GCQUE2304211201	No Analytes Detected	ND				TB-3
MW-198	8010	NS	04/15/93	04/23/93	GCQUE1304221201	Trichloroethene	1.3 C	{0.2}		5.0 MCL	TB-3
MW-198	8020	NS	04/15/93	04/23/93	GCQUE2304221201	No Analytes Detected	ND				TB-3
MW-198	6010	NS	04/16/93	04/20/93	EMJA61304201901	Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.042 14 0.011 # 0.078 10 0.0071 # 0.085 3.2 # 14 0.020 # 0.013 #	{0.004} {0.05} {0.007} {0.008} {0.03} {0.002} {0.016} {3} {0.15} {0.008} {0.003}	1.0 MCL 0.050 MCL		
MW-198	7060	NS	04/16/93	04/29/93	AAZ3__304290702	Arsenic	ND	(0.004)		0.050 MCL	
MW-198	7421	NS	04/16/93	04/27/93	AAZ2__304271401	Lead	ND	(0.003)		0.050 MCL	
MW-198	7470	NS	04/16/93	04/21/93	AAZ4__304211901	Mercury	ND	{0.0002}		0.0020 MCL	
MW-198	7740	NS	04/16/93	04/23/93	AAZ4__304230701	Selenium	ND	(0.002)		0.010 MCL	
MW-199	8010	NS	04/15/93	04/20/93	GCQUE1304200001	No Analytes Detected	ND				TB-3
MW-199	8020	NS	04/15/93	04/20/93	GCQUE2304200001	No Analytes Detected	ND				TB-3
MW-199	6010	NS	04/15/93	04/20/93	EMJA61304201901	Aluminum Barium Calcium Chromium	0.058 # 0.055 16 0.066	{0.045} {0.004} {0.05} {0.007}		1.0 MCL 1.0 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-199	6010	MS	04/15/93	04/20/93	ENJA61304201901	Copper	0.010 Z ⁰	(0.006)	R		
						Iron	13	(0.009)			
						Magnesium	4.4	(0.03)			
						Manganese	0.88	(0.002)			
						Nickel	0.031 ⁰	(0.016)			
						Potassium	4.3 ⁰	(3)			
						Sodium	5.1	(0.15)			
MW-199	7060	MS	04/15/93	04/29/93	AAZ3_304290702	Zinc	0.10	(0.003)		0.050 MCL	
						Arsenic	ND	(0.004)			
						Lead	ND	(0.003)			
						Mercury	ND	(0.0002)			
						Selenium	ND	(0.002)			
						1,2-Dichloroethane	0.33 C ⁰	(0.15)			
						Chloroform	1.4 C	(0.15)			
MW-199	7421	MS	04/15/93	04/27/93	AAZ2_304271401	Tetrachloroethene	0.48 C ⁰	(0.1)	0.50 MCL 100 PML		
						Trichloroethene	11 C	(0.2)			
						cis-1,2-Dichloroethene	10 C	(0.25)			
						Aluminum	0.23	(0.045)			
						Barium	0.095	(0.004)			
						Calcium	33	(0.05)			
						Chromium	0.075	(0.007)			
MW-199	7470	MS	04/15/93	04/16/93	AAZ4_304161901	Iron	0.93	(0.009)	0.050 MCL		
						Magnesium	15	(0.03)			
						Manganese	0.016	(0.002)			
						Nickel	0.036 ⁰	(0.016)			
						Potassium	6.5 ⁰	(3)			
						Sodium	22	(0.15)			
						Vanadium	0.036 ⁰	(0.008)			
MW-199	7740	MS	04/15/93	04/23/93	AAZ4_304230701	Zinc	0.72	(0.003)	0.050 MCL		
						Aluminum	0.16 ⁰	(0.045)			
						Barium	0.089	(0.004)			
						Calcium	31	(0.05)			
						Chromium	0.062	(0.007)			
						Iron	0.74	(0.009)			
						Magnesium	14	(0.03)			
MW-200	8010	MS	04/06/93	04/09/93	6CJAV1304081301	Manganese	0.015	(0.002)	1.0 MCL 1.0 MCL		
						Nickel	0.024 ⁰	(0.016)			
						Potassium	6.4 ⁰	(3)			
						Sodium	22	(0.15)			
						Vanadium	0.036 ⁰	(0.008)			
						Aluminum	0.16 ⁰	(0.045)			
						Barium	0.089	(0.004)			
209318	6010	FD	04/06/93	04/14/93	ENJA61304141701	Calcium	31	(0.05)	0.050 MCL		
						Chromium	0.062	(0.007)			
						Iron	0.74	(0.009)			
						Magnesium	14	(0.03)			
						Manganese	0.015	(0.002)			
						Nickel	0.024 ⁰	(0.016)			
						Potassium	6.4 ⁰	(3)			
209318	6010	FD	04/06/93	04/14/93	ENJA61304141701	Sodium	22	(0.15)	0.050 MCL		
						Vanadium	0.036 ⁰	(0.008)			
						Aluminum	0.16 ⁰	(0.045)			
						Barium	0.089	(0.004)			
						Calcium	31	(0.05)			
						Chromium	0.062	(0.007)			
						Iron	0.74	(0.009)			

TABLE 4 (Continued)

Well	Method	Field Analysts	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
2Q9318	6010	FD	04/06/93	04/14/93	EMJAE1304141701	Zinc	0.66	(0.003)			
MW-200	7060	NS	04/06/93	04/16/93	AAZ3_304160902	Arsenic	ND	(0.004)		0.050 MCL	
2Q9318	7060	FD	04/06/93	04/16/93	AAZ3_304160902	Arsenic	ND	(0.004)		0.050 MCL	
MW-200	7421	NS	04/06/93	04/16/93	AAZ3_304161501	Lead	ND	(0.003)		0.050 MCL	
2Q9318	7421	FD	04/06/93	04/16/93	AAZ3_304161501	Lead	ND	(0.003)		0.050 MCL	
MW-200	7470	NS	04/06/93	04/08/93	AAZ4_304082001	Mercury	ND	(0.0002)		0.0020 MCL	
2Q9318	7470	FD	04/06/93	04/08/93	AAZ4_304082001	Mercury	ND	(0.0002)		0.0020 MCL	
MW-200	7740	NS	04/06/93	04/19/93	AAZ4_304190902	Selenium	ND	(0.002)		0.010 MCL	
2Q9318	7740	FD	04/06/93	04/19/93	AAZ4_304190902	Selenium	ND	(0.002)		0.010 MCL	
MW-201	8010	NS	04/09/93	04/16/93	GCQUE1304151501	Trichloroethene	0.71 CØ	(0.2)		5.0 MCL	
AB-201	8010	AB	04/09/93	04/16/93	GCQUE1304151501	No Analytes Detected	ND				
MW-201	8020	NS	04/09/93	04/16/93	GCQUE2304151501	Toluene	0.27 VØ	(0.2)			
AB-201	8020	AB	04/09/93	04/16/93	GCQUE2304151501	No Analytes Detected	ND				
MW-201	6010	NS	04/09/93	04/14/93	EMJAE1304141202	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.12 Ø 0.067 20 0.026 Ø 0.65 14 0.033 0.29 12 Ø 20 0.026 Ø 0.77	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 0.050 MCL		
MW-201	7060	NS	04/09/93	04/23/93	AAZ3_304230603	Arsenic	ND	(0.004)		0.050 MCL	
MW-201	7421	NS	04/09/93	04/20/93	AAZ2_304201403	Lead	ND	(0.003)		0.050 MCL	
MW-201	7470	NS	04/09/93	04/15/93	AAZ4_304151701	Mercury	ND	(0.0002)		0.0020 MCL	
MW-201	7740	NS	04/09/93	04/26/93	AAZ4_304260702	Selenium	ND	(0.002)		0.010 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MJ-210	8010	NS	04/22/93	05/04/93	GCQUE1305031501	Carbon Tetrachloride Chloroform Tetrachloroethene Trichloroethene	5.7 C 0.65 C 9.0 C 21 C	{0.35} {0.15} {0.1} {0.2}		0.50 MCL 100 PML 5.0 MCL 5.0 MCL	
EB-210	8010	EB	04/22/93	04/30/93	GCQUE1304292301	No Analytes Detected	ND				
MJ-210	8020	NS	04/22/93	05/04/93	GCQUE2305031501	No Analytes Detected	ND				
EB-210	8020	EB	04/22/93	04/30/93	GCQUE2304292301	No Analytes Detected	ND				
MJ-210	6010	NS	04/22/93	04/28/93	EMJA61304281801	Aluminum Barium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Molybdenum Nickel Sodium Vanadium Zinc	1.7 0.29 39 14 0.018 0.30 77 0.046 26 0.17 0.20 0.30 23 0.23 0.064	{0.045} {0.004} {0.05} {0.007} {0.007} {0.006} {0.009} {0.042} {0.03} {0.002} {0.008} {0.016} {0.15} {0.008} {0.003}	1.0 MCL 1.0 MCL 0.050 MCL		
MJ-210	7060	NS	04/22/93	05/03/93	AAZ3_305030703	Arsenic	0.032	{0.004}		0.050 MCL	
MJ-210	7421	NS	04/22/93	05/06/93	AAZ4_305060901	Lead	ND	{0.003}		0.050 MCL	
MJ-210	7470	NS	04/22/93	04/27/93	AAZ4_304271901	Mercury	ND	{0.0002}		0.0020 MCL	
MJ-210	7740	NS	04/22/93	04/30/93	AAZ4_304300701	Selenium	ND	{0.002}		0.010 MCL	
MJ-212	8010	NS	04/07/93	04/10/93	GCQUE1304091001	Chloroform	0.88 C	{0.15}		100 PML	
MJ-212	8020	NS	04/07/93	04/10/93	GCQUE2304091001	No Analytes Detected	ND				
209319	8020	FD	04/07/93	04/13/93	GCQUE2304121201	No Analytes Detected	ND				
MJ-212	6010	NS	04/07/93	04/14/93	EMJA61304141201	Aluminum Barium Calcium Chromium Cobalt Copper	0.17 0.0099 26 17 0.018 0.25	{0.045} {0.004} {0.05} {0.007} {0.007} {0.006}		1.0 MCL 1.0 MCL 0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-212	6010	NS	04/07/93	04/14/93	ENJAE1304141201	Iron Magnesium Manganese Molybdenum Nickel Sodium Vanadium Zinc	71 Z 18 0.39 0.19 2.7 19 0.086 0.089	(0.009) (0.03) (0.002) (0.008) (0.016) (0.15) (0.008) (0.003)			
MW-212	7060	NS	04/07/93	04/22/93	AAZ3_304221001	Arsenic	0.0085 @	(0.004)		0.050 MCL	
MW-212	7421	NS	04/07/93	04/20/93	AAZ2_304201402	Lead	ND	(0.003)		0.050 MCL	
MW-212	7470	NS	04/07/93	04/08/93	AAZ4_304082001	Mercury	ND	(0.0002)		0.0020 MCL	
MW-212	7740	NS	04/07/93	04/20/93	AAZ3_304201201	Selenium	ND	(0.002)		0.010 MCL	
MW-214	8010	NS	04/12/93	04/17/93	GCQUE1304162101	1,1-Dichloroethane Chloroform Tetrachloroethene Trichloroethene cis-1,2-Dichloroethene	17 C 0.86 C 0.31 C@ 7.6 C 11 C	(0.5) (0.15) (0.1) (0.2) (0.25)		5.0 MCL 100 MCL 5.0 MCL 5.0 MCL 6.0 MCL	TB-1
MW-214	8020	NS	04/12/93	04/17/93	GCQUE2304162101	No Analytes Detected	ND				TB-1
MW-214	6010	NS	04/12/93	04/26/93	ENJAE1304261701	Barium Calcium Chromium Copper Iron Magnesium Manganese Molybdenum Nickel Sodium Vanadium Zinc	0.058 25 0.80 0.014 @ 2.8 18 0.041 0.012 @ 0.22 20 0.032 @ 0.025	(0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.002) (0.008) (0.016) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL	
MW-214	7060	NS	04/12/93	04/26/93	AAZ3_304260801	Arsenic	ND	(0.004)		0.050 MCL	
MW-214	7421	NS	04/12/93	04/26/93	AAZ2_304261403	Lead	ND	(0.003)		0.050 MCL	
MW-214	7470	NS	04/12/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-214	7740	NS	04/12/93	04/26/93	AAZ4_304260703	Selenium	ND	(0.002)		0.010 MCL	
MW-216	8020	NS	04/12/93	04/17/93	GCQUE2304162101	No Analytes Detected	ND				TB-1

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC	
MW-216	6010	NS	04/12/93	04/26/93	ENJA61304261701	Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.083 22 0.057 0.51 17 0.010 0.058 @ 17 0.025 @ 0.018	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL		
MW-216	7060	NS	04/12/93	04/26/93	AAZ3__304260801	Arsenic	ND	(0.004)		0.050 MCL		
MW-216	7421	NS	04/12/93	04/26/93	AAZ2__304261403	Lead	ND	(0.003)		0.050 MCL		
MW-216	7470	NS	04/12/93	04/16/93	AAZ4__304161901	Mercury	ND	(0.0002)		0.0020 MCL		
MW-216	7740	NS	04/12/93	04/26/93	AAZ4__304260703	Selenium	ND	(0.002)		0.010 MCL		
MW-217	8010	NS	04/21/93	05/04/93	GCJAY1305031301	Chloroform Trichloroethene cis-1,2-Dichloroethene	3.2 P@ 33 P 17 P	(0.75) (1) (1.2)		100 PMCL 5.0 MCL 6.0 MCL		
EB-217	8010	EB	04/21/93	04/30/93	GCJAY1304292201	No Analytes Detected	ND					
MW-217	8020	NS	04/21/93	05/04/93	GCJAY2305031301	No Analytes Detected	ND					
EB-217	8020	EB	04/21/93	04/30/93	GCJAY2304292201	No Analytes Detected	ND					
MW-217	6010	NS	04/21/93	04/27/93	ENJA61304271701	Barium Calcium Chromium Copper Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	0.048 17 Z 0.084 0.013 Z@ 0.52 13 0.018 0.13 18 0.033 @ C-24	(0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)	R	1.0 MCL 0.050 MCL		
EB-217	6010	EB	04/21/93	04/27/93	ENJA61304271701	Copper Iron	0.0078 Z@ 0.050	(0.006) (0.009)				
MW-217	7060	NS	04/21/93	04/29/93	AAZ3__304290704	Arsenic	ND	(0.004)		0.050 MCL		

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
EB-217	7060	EB	04/21/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)		0.050 MCL	
MW-217	7421	MS	04/21/93	04/27/93	AAZ2_304271403	Lead	0.0042 @	(0.003)	0	0.050 MCL	
EB-217	7421	EB	04/21/93	04/27/93	AAZ2_304271403	Lead	0.0047 @	(0.003)		0.050 MCL	
MW-217	7470	NS	04/21/93	04/27/93	AAZ4_304271901	Mercury	ND	(0.0002)		0.0020 MCL	
EB-217	7470	EB	04/21/93	04/27/93	AAZ4_304271901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-217	7740	NS	04/21/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
EB-217	7740	EB	04/21/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
MW-218	8010	NS	04/21/93	05/04/93	GCJAY1305031301	Trichloroethene cis-1,2-Dichloroethene	7.0 P 1.1 P@	(0.2) (0.25)		5.0 MCL 6.0 MCL	
MW-218	8020	NS	04/21/93	05/04/93	GCJAY2305031301	No Analytes Detected	ND				
2Q9320	8020	FD	04/21/93	05/03/93	GCJAY2305031301	No Analytes Detected	ND				
MW-221	8010	NS	04/12/93	04/17/93	GCQUE1304162101	No Analytes Detected	ND				TB-1
MW-221	8020	NS	04/12/93	04/17/93	GCQUE2304162101	Toluene	0.28 V@	(0.2)	0		TB-1
MW-221	6010	NS	04/12/93	04/26/93	ENJJA61304261701	Aluminum Barium Calcium Chromium Copper Iron Magnesium Manganese Molybdenum Nickel Potassium Sodium Vanadium Zinc	0.12 @ 0.047 15 0.49 0.015 @ 18 11 0.12 0.011 @ 0.27 15 25 0.032 @ 1.0	(0.045) (0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.002) (0.008) (0.016) (3) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL	
MW-221	7060	NS	04/12/93	04/26/93	AAZ3_304260801	Arsenic	ND	(0.004)		0.050 MCL	
MW-221	7421	NS	04/12/93	04/26/93	AAZ2_304261403	Lead	0.0032 @	(0.003)		0.050 MCL	
MW-221	7470	NS	04/12/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-221	7740	NS	04/12/93	04/26/93	AAZ4_304260703	Selenium	ND	(0.002)		0.010 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-222	8010	NS	04/12/93	04/18/93	GCQUE1304181501	Carbon Tetrachloride Chloroform Trichloroethene cis-1,2-Dichloroethene	0.63 C@ 0.94 C 3.7 C 0.50 C@	(0.35) (0.15) (0.2) (0.25)		0.50 MCL 100 MCL 5.0 MCL 6.0 MCL	TB-1
MW-222	8020	NS	04/12/93	04/18/93	GCQUE2304181501	No Analytes Detected	ND				TB-1
MW-222	6010	NS	04/12/93	04/26/93	ENJAE1304261701	Aluminum Barium Calcium Chromium Cobalt Copper Iron Magnesium Manganese Molybdenum Nickel Sodium Vanadium Zinc	0.28 0.027 16 3.0 0.0088 @ 0.067 11 11 0.13 0.030 @ 0.24 16 0.069 0.042	(0.045) (0.004) (0.05) (0.007) (0.007) (0.006) (0.009) (0.03) (0.002) (0.008) (0.016) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 0.050 MCL		
2Q9321	6010	FD	04/12/93	04/26/93	ENJAE1304261701	Aluminum Barium Calcium Chromium Cobalt Copper Iron Magnesium Manganese Molybdenum Nickel Silver Sodium Vanadium Zinc	0.27 0.028 16 3.5 0.0084 @ 0.076 12 11 0.13 0.037 @ 0.24 0.0072 @ 15 0.075 0.052	(0.045) (0.004) (0.05) (0.007) (0.007) (0.006) (0.009) (0.03) (0.002) (0.008) (0.016) (0.007) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 0.050 MCL	0.050 MCL	
MW-222	7060	NS	04/12/93	04/26/93	AAZ3_304260801	Arsenic	0.0070 @	(0.004)		0.050 MCL	
2Q9321	7060	FD	04/12/93	04/26/93	AAZ3_304260801	Arsenic	0.0070 @	(0.004)		0.050 MCL	
MW-222	7421	NS	04/12/93	04/26/93	AAZ2_304261403	Lead	ND	(0.003)		0.050 MCL	
2Q9321	7421	FD	04/12/93	04/26/93	AAZ2_304261403	Lead	ND	(0.003)		0.050 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MJ-222	7470	NS	04/12/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL	
209321	7470	FD	04/12/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL	
MJ-222	7740	NS	04/12/93	04/26/93	AAZ4_304260703	Selenium	ND	(0.002)		0.010 MCL	
209321	7740	FD	04/12/93	04/26/93	AAZ4_304260703	Selenium	ND	(0.002)		0.010 MCL	
MJ-224	8010	NS	04/13/93	04/20/93	GCJAY1304191001	Trichloroethene cis-1,2-Dichloroethene	14000 C 210 C θ	(100) (120)		5.0 MCL 6.0 MCL	TB-2
MJ-224	8020	NS	04/13/93	04/20/93	GCJAY2304191001	No Analytes Detected	ND				TB-2
MJ-224	8010	NS	04/13/93	04/26/93	ENJAE1304261701	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.067 θ 0.19 68 0.077 1.3 47 0.0062 θ 0.016 θ 4.8 θ 33 0.024 θ 0.012 θ	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL 0.050 MCL	
MJ-224	7060	NS	04/13/93	04/26/93	AAZ3_304260801	Arsenic	ND	(0.004)		0.050 MCL	
MJ-224	7421	NS	04/13/93	04/26/93	AAZ2_304261403	Lead	ND	(0.003)		0.050 MCL	
MJ-224	7470	NS	04/13/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL	
MJ-224	7740	NS	04/13/93	04/26/93	AAZ4_304260703	Selenium	ND	(0.002)		0.010 MCL	
MJ-226	8010	NS	04/16/93	04/23/93	GCQUE1304221201	Tetrachloroethene Trichloroethene	0.29 C θ 7.5 C	(0.1) (0.2)		5.0 MCL 5.0 MCL	
EB-226	8010	EB	04/16/93	04/23/93	GCQUE1304221201	No Analytes Detected	ND				
MJ-228	8010	NS	04/16/93	04/24/93	GCQUE1304231901	1,1-Dichloroethane 1,1-Dichloroethene 1,2-Dichloroethane Chloroform Methylene Chloride Tetrachloroethene Trichloroethene cis-1,2-Dichloroethene	0.62 C θ 8.8 C 18 C 3.4 C 0.66 C θ 0.21 C θ 14 C 0.40 C θ	(0.5) (0.7) (0.15) (0.15) (0.4) (0.1) (0.2) (0.25)		5.0 MCL 6.0 MCL 0.50 MCL 100 MCL 5.0 MCL 5.0 MCL 6.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MJ-228	8020	NS	04/16/93	04/24/93	GCQUE2304231901	No Analytes Detected	ND				
MJ-228	6010	NS	04/16/93	04/20/93	EMJA61304201901	Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.19 74 0.022 @ 0.69 49 0.048 0.031 @ 4.3 @ 30 0.023 @ 0.027	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)	1.0 MCL 0.050 MCL		
MJ-228	7060	NS	04/16/93	04/29/93	AAZ3_304290702	Arsenic	ND	(0.004)		0.050 MCL	
MJ-228	7421	NS	04/16/93	04/27/93	AAZ2_304271401	Lead	ND	(0.003)		0.050 MCL	
MJ-228	7470	NS	04/16/93	04/21/93	AAZ4_304211901	Mercury	ND	(0.0002)		0.0020 MCL	
MJ-228	7740	NS	04/16/93	04/23/93	AAZ4_304230701	Selenium	ND	(0.002)		0.010 MCL	
MJ-229	8010	NS	04/16/93	04/24/93	GCQUE1304231901	Trichloroethene	0.46 C@	(0.2)		5.0 MCL	
MJ-229	8020	NS	04/16/93	04/24/93	GCQUE2304231901	No Analytes Detected	ND				
MJ-229	6010	NS	04/16/93	04/20/93	EMJA61304201901	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.13 @ 0.050 17 0.030 @ 0.31 12 0.023 0.11 11 @ 22 0.022 @ 0.015	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 0.050 MCL		
MJ-229	7060	NS	04/16/93	04/29/93	AAZ3_304290702	Arsenic	ND	(0.004)		0.050 MCL	
MJ-229	7421	NS	04/16/93	04/27/93	AAZ2_304271401	Lead	ND	(0.003)		0.050 MCL	
MJ-229	7470	NS	04/16/93	04/21/93	AAZ4_304211901	Mercury	ND	(0.0002)		0.0020 MCL	
MJ-229	7740	NS	04/16/93	04/23/93	AAZ4_304230701	Selenium	ND	(0.002)		0.010 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-230	8010	NS	04/16/93	04/24/93	GCQUE1304231901	No Analytes Detected	ND				
MW-230	8020	NS	04/16/93	04/24/93	GCQUE2304231901	No Analytes Detected	ND				
MW-230	6010	NS	04/16/93	04/20/93	EMJAE1304201901	Barium Calcium Chromium Iron Magnesium Manganese Potassium Sodium Vanadium Zinc	0.051 22 0.038 0.45 14 0.050 3.0 28 0.018 0.039	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (3) (0.15) (0.008) (0.003)	1.0 MCL 0.050 MCL		
2Q9322	6010	FD	04/16/93	04/20/93	EMJAE1304201901	Barium Calcium Chromium Iron Magnesium Manganese Potassium Sodium Vanadium Zinc	0.052 22 0.045 0.52 14 0.050 3.2 28 0.021 0.037	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (3) (0.15) (0.008) (0.003)	1.0 MCL 0.050 MCL		
MW-230	7060	NS	04/16/93	04/29/93	AAZ3_304290702	Arsenic	ND	(0.004)		0.050 MCL	
2Q9322	7060	FD	04/16/93	04/29/93	AAZ3_304290702	Arsenic	ND	(0.004)		0.050 MCL	
MW-230	7421	NS	04/16/93	04/27/93	AAZ2_304271401	Lead	ND	(0.003)		0.050 MCL	
2Q9322	7421	FD	04/16/93	04/27/93	AAZ2_304271401	Lead	ND	(0.003)		0.050 MCL	
MW-230	7470	NS	04/16/93	04/21/93	AAZ4_304211901	Mercury	ND	(0.0002)		0.0020 MCL	
2Q9322	7470	FD	04/16/93	04/21/93	AAZ4_304211901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-230	7740	NS	04/16/93	04/23/93	AAZ4_304230701	Selenium	ND	(0.002)		0.010 MCL	
2Q9322	7740	FD	04/16/93	04/23/93	AAZ4_304230701	Selenium	ND	(0.002)		0.010 MCL	
MW-235	8010	NS	04/21/93	05/04/93	GCJAY1305031301	Tetrachloroethene Trichloroethene	2100 C 9500 C	(50) (100)		5.0 MCL 5.0 MCL	
MW-235	8020	NS	04/21/93	05/04/93	GCJAY2305031301	No Analytes Detected	ND				

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-235	6010	NS	04/21/93	04/27/93	EMJA61304271701	Aluminum	1.6 Z	(0.045)	R	1.0 MCL	
						Barium	0.057	(0.004)		1.0 MCL	
						Cadmium	0.0040 @	(0.004)		0.010 MCL	
						Calcium	18 Z	(0.05)			
						Chromium	2.5	(0.007)		0.050 MCL	
						Cobalt	0.012 @	(0.007)			
						Copper	0.094 Z	(0.006)			
						Iron	17	(0.009)	R		
						Lead	0.047 @	(0.042)		0.050 MCL	
						Magnesium	13	(0.03)			
						Manganese	0.22	(0.002)			
						Molybdenum	0.027 @	(0.008)			
						Nickel	0.37	(0.016)			
						Sodium	17	(0.15)			
						Vanadium	0.076	(0.008)			
						Zinc	0.44	(0.003)			
MW-235	7060	NS	04/21/93	04/29/93	AAZ3_304290704	Arsenic	0.0091 @	(0.004)		0.050 MCL	
MW-235	7421	NS	04/21/93	04/27/93	AAZ2_304271403	Lead	0.024	(0.003)		0.050 MCL	
MW-235	7470	NS	04/21/93	04/27/93	AAZ4_304271901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-235	7740	NS	04/21/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
MW-999	8010	NS	04/23/93	05/05/93	GCQUE1305041901	Trichloroethene	16000 C	(100)		5.0 MCL	TB-5
MW-999	8020	NS	04/23/93	05/05/93	GCQUE2305041901	No Analytes Detected	ND				TB-5
MW-999	6010	NS	04/23/93	04/28/93	EMJA61304281801	Aluminum	0.20 @	(0.045)		1.0 MCL	
					Barium	0.14	(0.004)			1.0 MCL	
					Calcium	57	(0.05)				
					Chromium	0.13	(0.007)			0.050 MCL	
					Copper	0.011 @	(0.006)				
					Iron	0.64	(0.009)				
					Magnesium	42	(0.03)				
					Manganese	0.015	(0.002)				
					Sodium	29	(0.15)				
					Vanadium	0.023 @	(0.008)				
					Zinc	0.0074 @	(0.003)				
MW-999	7060	NS	04/23/93	05/03/93	AAZ3_305030703	Arsenic	ND	(0.004)		0.050 MCL	
MW-999	7421	NS	04/23/93	05/06/93	AAZ4_305060901	Lead	ND	(0.003)		0.050 MCL	
MW-999	7470	NS	04/23/93	05/05/93	AAZ4_305051301	Mercury	ND	(0.0002)		0.0020 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-999	7740	NS	04/23/93	04/30/93	AAZ4_304300701	Selenium	ND	(0.002)		0.010 MCL	
MW-1001	8010	NS	04/07/93	04/10/93	GCQUE1304091001	No Analytes Detected	ND				
MW-1001	6010	NS	04/07/93	04/14/93	EMJA61304141201	Aluminum Barium Beryllium Calcium Chromium Cobalt Copper Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	6.1 0.16 0.0017 @ 19 0.066 0.0072 @ 0.0063 @ 6.0 Z 11 0.21 0.13 18 0.036 @ 0.13	(0.045) (0.004) (0.001) (0.05) (0.007) (0.007) (0.006) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)		1.0 MCL 1.0 MCL	
MW-1001	7060	NS	04/07/93	04/22/93	AAZ3_304221001	Arsenic	0.0049 @	(0.004)		0.050 MCL	
MW-1001	7421	NS	04/07/93	04/20/93	AAZ2_304201402	Lead	0.012 @	(0.003)		0.050 MCL	
MW-1001	7470	NS	04/07/93	04/08/93	AAZ4_304082001	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1001	7740	NS	04/07/93	04/20/93	AAZ3_304201201	Selenium	ND	(0.002)		0.010 MCL	
MW-1018	8010	NS	04/15/93	04/22/93	GCQUE1304221201	No Analytes Detected	ND				TB-3
MW-1019	8010	NS	04/19/93	04/28/93	GCQUE1304271301	Trichloroethene	0.37 P@	(0.2)		5.0 MCL	
MW-1019	6010	NS	04/19/93	04/27/93	EMJA61304271701	Aluminum Barium Calcium Chromium Iron Magnesium Sodium Vanadium	0.10 Z@ 0.075 24 Z 0.016 @ 0.055 18 24 0.028 @	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.15) (0.008)	R	1.0 MCL 1.0 MCL	
MW-1019	7060	NS	04/19/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)		0.050 MCL	
MW-1019	7421	NS	04/19/93	04/27/93	AAZ2_304271403	Lead	ND	(0.003)		0.050 MCL	
MW-1019	7470	NS	04/19/93	04/21/93	AAZ4_304211901	Mercury	ND	(0.0002)		0.0020 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MA-1019	7740	NS	04/19/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
MA-1021	8010	NS	04/20/93	04/29/93	GCJAY1304282101	Chloroform Trichloroethene cis-1,2-Dichloroethene	0.61 C@ 6.2 C 1.9 C	(0.15) (0.2) (0.25)		100 PNCCL 5.0 MCL 6.0 MCL	
MA-1021	8020	NS	04/20/93	04/29/93	GCJAY2304282101	No Analytes Detected	ND				
MA-1022	6010	NS	04/20/93	04/27/93	ENJA61304271701	Barium Calcium Chromium Copper Iron Magnesium Sodium Vanadium Zinc	0.054 18 Z 0.014 @ 0.0063 Z@ 0.015 @ 13 16 0.029 @ 0.0041 @	(0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.15) (0.008) (0.003)	R	1.0 MCL 0.050 MCL	
MA-1022	7060	NS	04/20/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)		0.050 MCL	
MA-1022	7421	NS	04/20/93	04/27/93	AAZ2_30427:403	Lead	ND	(0.003)		0.050 MCL	
MA-1022	7470	NS	04/20/93	04/26/93	AAZ4_304261901	Mercury	ND	(0.0002)		0.0020 MCL	
MA-1022	7740	NS	04/20/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
MA-1026	6010	NS	04/21/93	04/27/93	ENJA61304271701	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Sodium Vanadium Zinc	1.0 Z 0.070 28 Z 0.27 3.5 19 0.10 0.19 23 0.031 @ 0.062	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 0.050 MCL		
MA-1026	7060	NS	04/21/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)		0.050 MCL	
MA-1026	7421	NS	04/21/93	04/27/93	AAZ2_304271403	Lead	0.011 @	(0.003)		0.050 MCL	
MA-1026	7470	NS	04/21/93	04/27/93	AAZ4_304271901	Mercury	ND	(0.0002)		0.0020 MCL	
MA-1026	7740	NS	04/21/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
MA-1035	6010	NS	04/14/93	04/26/93	ENJA61304261701	Barium	0.064	(0.004)		1.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1035	6010	NS	04/14/93	04/26/93	EMJA61304261701	Calcium Chromium Iron Magnesium Nickel Sodium Vanadium	20 0.0091 0.054 12 0.027 20 0.024	(0.05) (0.007) (0.009) (0.03) (0.016) (0.15) (0.008)		0.050 MCL	
MW-1035	7060	NS	04/14/93	04/26/93	AAZ3_304260801	Arsenic	ND	(0.004)		0.050 MCL	
MW-1035	7421	NS	04/14/93	04/26/93	AAZ2_304261403	Lead	ND	(0.003)		0.050 MCL	
MW-1035	7470	NS	04/14/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1035	7740	NS	04/14/93	04/26/93	AAZ4_304260703	Selenium	ND	(0.002)		0.010 MCL	
MW-1043	6010	NS	04/14/93	04/26/93	EMJA61304261701	Barium Calcium Iron Magnesium Manganese Potassium Sodium	0.083 19 2.0 6.6 0.85 4.1 14	(0.004) (0.05) (0.009) (0.03) (0.002) (3) (0.15)		1.0 MCL	
MW-1043	7060	NS	04/14/93	04/26/93	AAZ3_304260801	Arsenic	ND	(0.004)		0.050 MCL	
MW-1043	7421	NS	04/14/93	04/26/93	AAZ2_304261403	Lead	ND	(0.003)		0.050 MCL	
MW-1043	7470	NS	04/14/93	04/16/93	AAZ4_304161901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1043	7740	NS	04/14/93	04/26/93	AAZ4_304260703	Selenium	ND	(0.002)		0.010 MCL	
MW-1044	8010	NS	04/19/93	04/28/93	GCQUE1304271301	Chloroform Trichloroethene cis-1,2-Dichloroethene	2.5 P 4.3 P 0.93 P	(0.15) (0.2) (0.25)		100 PMCL 5.0 MCL 6.0 MCL	
MW-1049	8010	NS	04/20/93	04/29/93	GCJAY1304282101	Trichloroethene cis-1,2-Dichloroethene	6.9 P 2.4 P	(0.2) (0.25)		5.0 MCL 6.0 MCL	
EB-1049	8010	EB	04/20/93	04/29/93	GCJAY1304282101	No Analytes Detected	ND				
MW-1049	8020	NS	04/20/93	04/29/93	GCJAY2304282101	No Analytes Detected	ND				
EB-1049	8020	EB	04/20/93	04/29/93	GCJAY2304282101	No Analytes Detected	ND				
MW-1051	8010	NS	04/20/93	04/29/93	GCJAY1304282101	Trichloroethene cis-1,2-Dichloroethene	1.6 P 0.52 P	(0.2) (0.25)		5.0 MCL 6.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1051	8020	NS	04/20/93	04/29/93	GCJAY2304282101	No Analytes Detected	ND				
MW-1051	6010	NS	04/20/93	04/27/93	EMJA61304271701	Aluminum Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.063 Z ⁰ 0.048 22 Z 0.093 2.9 12 0.060 0.14 3.5 θ 15 0.023 θ 0.046	(0.045) (0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)	R	1.0 MCL 1.0 MCL 0.050 MCL	
EB-1051	6010	EB	04/20/93	04/27/93	EMJA61304271701	Calcium Copper Iron Magnesium Zinc	0.12 Z ⁰ 0.0088 Z ⁰ 0.045 0.060 θ 0.0048 θ	(0.05) (0.006) (0.009) (0.03) (0.003)			0.050 MCL
MW-1051	7060	NS	04/20/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)			0.050 MCL
EB-1051	7060	EB	04/20/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)			0.050 MCL
MW-1051	7421	NS	04/20/93	04/27/93	AAZ2_304271403	Lead	0.0038 θ	(0.003)			0.050 MCL
EB-1051	7421	EB	04/20/93	04/27/93	AAZ2_304271403	Lead	ND	(0.003)			0.050 MCL
MW-1051	7470	NS	04/20/93	04/26/93	AAZ4_304261901	Mercury	ND	(0.0002)			0.0020 MCL
EB-1051	7470	EB	04/20/93	04/26/93	AAZ4_304261901	Mercury	ND	(0.0002)			0.0020 MCL
MW-1051	7740	NS	04/20/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)			0.010 MCL
EB-1051	7740	EB	04/20/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)			0.010 MCL
MW-1053	8010	NS	04/13/93	04/19/93	GCQUE1304181501	No Analytes Detected	ND				TB-2
MW-1054	8010	NS	04/20/93	04/29/93	GCJAY1304282101	Trichloroethene	0.32 C θ	(0.2)			5.0 MCL
MW-1057	8010	NS	04/20/93	04/29/93	GCJAY1304282101	No Analytes Detected	ND				
MW-1057	8020	NS	04/20/93	04/29/93	GCJAY2304282101	No Analytes Detected	ND				
MW-1057	6010	NS	04/20/93	04/27/93	EMJA61304271701	Aluminum	0.49 Z	(0.045)			1.0 MCL

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1057	6010	NS	04/20/93	04/27/93	EMJAE1304271701	Barium Calcium Chromium Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.073 23 Z 0.028 @ 17 9.9 0.089 0.018 @ 3.4 @ 20 0.012 @ 0.085	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)	1.0 MCL 0.050 MCL		
MW-1057	7060	NS	04/20/93	04/29/93	AAZ3_304290704	Arsenic	ND	(0.004)		0.050 MCL	
MW-1057	7421	NS	04/20/93	04/27/93	AAZ2_304271403	Lead	ND	(0.003)		0.050 MCL	
MW-1057	7470	NS	04/20/93	04/26/93	AAZ4_304261901	Mercury	ND	(0.0002)		0.0020 MCL	
MW-1057	7740	NS	04/20/93	04/29/93	AAZ4_304290801	Selenium	ND	(0.002)		0.010 MCL	
MW-1058	8010	NS	04/07/93	04/09/93	GCQUE1304091001	No Analytes Detected	ND				
MW-1058	8020	NS	04/07/93	04/09/93	GCQUE2304091001	No Analytes Detected	ND				
MW-1060	8010	NS	04/05/93	04/08/93	GCJAY1304071101	Trichloroethene	2.7 G	(0.2)		5.0 MCL	
MW-1060	8020	NS	04/05/93	04/08/93	GCJAY2304071101	Toluene	0.37 V@	(0.2)			
MW-1060	6010	NS	04/05/93	04/14/93	EMJAE1304141701	Aluminum Barium Calcium Chromium Copper Iron Magnesium Manganese Nickel Potassium Sodium Vanadium Zinc	0.072 @ 0.066 17 0.040 0.0068 @ 0.69 12 0.019 0.022 @ 4.0 @ 18 0.025 @ 0.47	(0.045) (0.004) (0.05) (0.007) (0.006) (0.009) (0.03) (0.002) (0.016) (3) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 0.050 MCL		
MW-1060	7060	NS	04/05/93	04/16/93	AAZ3_304160902	Arsenic	ND	(0.004)		0.050 MCL	
MW-1060	7421	NS	04/05/93	04/16/93	AAZ3_304161501	Lead	0.0032 @	(0.003)		0.050 MCL	
MW-1060	7470	NS	04/05/93	04/07/93	AAZ4_304071901	Mercury	ND	(0.0002)		0.0020 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
MW-1060	7740	NS	04/05/93	04/20/93	AAZ4_304201001	Selenium	0.0025 S#	(0.002)		0.010 MCL	
MW-1061	8010	NS	04/23/93	05/04/93	GCQUE1305031501	Tetrachloroethene Trichloroethene	0.85 G 0.68 C#	(0.1) (0.2)		5.0 MCL 5.0 MCL	TB-5
EB-1061	8010	EB	04/23/93	05/04/93	GCQUE1305031501	No Analytes Detected	ND				
MW-1061	8020	NS	04/23/93	05/04/93	GCQUE2305031501	No Analytes Detected	ND				TB-5
EB-1061	8020	EB	04/23/93	05/04/93	GCQUE2305031501	Toluene	0.27 C#	(0.2)			
MW-1061	6010	NS	04/23/93	04/28/93	EMJAE1304281801	Aluminum Barium Calcium Chromium Cobalt Copper Iron Magnesium Manganese Molybdenum Sodium Vanadium Zinc	0.16 # 0.060 23 0.92 0.0091 # 0.032 4.9 15 0.087 0.013 # 15 0.038 # 0.020	(0.045) (0.004) (0.05) (0.007) (0.007) (0.006) (0.009) (0.03) (0.002) (0.008) (0.15) (0.008) (0.003)	1.0 MCL 1.0 MCL 		

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
OW-654	8020	NS	04/23/93	05/05/93	GCQUE2305041901	No Analytes Detected	ND				TB-5
OW-654	6010	NS	04/23/93	04/28/93	EMJAE1304281801	Barium Calcium Chromium Magnesium Sodium Vanadium Zinc	0.049 13 0.013 @ 9.6 14 0.025 @ 0.046	(0.004) (0.05) (0.007) (0.03) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL	
OW-654	7060	NS	04/23/93	05/03/93	AAZ3_305030703	Arsenic	ND	(0.004)		0.050 MCL	
OW-654	7421	NS	04/23/93	05/06/93	AAZ4_305060901	Lead	ND	(0.003)		0.050 MCL	
OW-654	7470	NS	04/23/93	05/05/93	AAZ4_305051301	Mercury	ND	(0.0002)		0.0020 MCL	
OW-654	7740	NS	04/23/93	04/30/93	AAZ4_304300701	Selenium	ND	(0.002)		0.010 MCL	
OW-994	8010	NS	04/23/93	05/05/93	GCQUE1305041901	No Analytes Detected	ND				TB-5
OW-994	8020	NS	04/23/93	05/05/93	GCQUE2305041901	No Analytes Detected	ND				TB-5
OW-994	6010	NS	04/23/93	04/28/93	EMJAE1304281801	Barium Calcium Chromium Iron Magnesium Manganese Sodium Vanadium Zinc	0.048 13 0.016 @ 0.038 @ 9.1 0.0023 @ 14 0.026 @ 0.093	(0.004) (0.05) (0.007) (0.009) (0.03) (0.002) (0.15) (0.008) (0.003)		1.0 MCL 0.050 MCL	
OW-994	7060	NS	04/23/93	05/03/93	AAZ3_305030703	Arsenic	ND	(0.004)		0.050 MCL	
OW-994	7421	NS	04/23/93	05/06/93	AAZ4_305060901	Lead	ND	(0.003)		0.050 MCL	
OW-994	7470	NS	04/23/93	05/05/93	AAZ4_305051301	Mercury	ND	(0.0002)		0.0020 MCL	
OW-994	7740	NS	04/23/93	04/30/93	AAZ4_304300701	Selenium	ND	(0.002)		0.010 MCL	
OW-998	8010	NS	04/23/93	05/05/93	GCQUE1305041901	No Analytes Detected	ND				TB-5
OW-998	8020	NS	04/23/93	05/05/93	GCQUE2305041901	No Analytes Detected	ND				TB-5
OW-998	6010	NS	04/23/93	04/28/93	EMJAE1304281801	Barium Calcium	0.045 12	(0.004) (0.05)		1.0 MCL	

TABLE 4 (Continued)

Well	Method	Field Analysis	Date Sampled	Date Analyzed	Batch ID	Analyte	Result	Reporting Limit	Qualified Results	Action Level	Field QA/QC
OW-998	6010	NS	04/23/93	04/28/93	ENJAE1304281801	Chromium Iron Magnesium Sodium Vanadium Zinc	0.013 # 0.051 8.3 15 0.023 # 0.30	{0.007} {0.009} {0.03} {0.15} {0.008} {0.003}		0.050 MCL	
OW-998	7060	NS	04/23/93	05/03/93	AAZ3_305030703	Arsenic	ND	{0.004}		0.050 MCL	
OW-998	7421	NS	04/23/93	05/06/93	AAZ4_305060901	Lead	ND	{0.003}		0.050 MCL	
OW-998	7470	NS	04/23/93	05/05/93	AAZ4_305051301	Mercury	ND	{0.0002}		0.0020 MCL	
OW-998	7740	NS	04/23/93	04/30/93	AAZ4_304300701	Selenium	ND	{0.002}		0.010 MCL	
TB-1	8010	TB	04/12/93	04/19/93	GCQUE1304181501	No Analytes Detected	ND				
TB-2	8010	TB	04/13/93	04/19/93	GCJAY1304191001	No Analytes Detected	ND				
TB-3	8010	TB	04/15/93	04/21/93	GCQUE1304200001	No Analytes Detected	ND				
TB-5	8010	TB	04/23/93	05/05/93	GCQUE1305041901	Methylene Chloride	0.72 C#	{0.4}			
TB-1	8020	TB	04/12/93	04/19/93	GCQUE2304181501	Toluene	0.43 V#	{0.2}			
TB-2	8020	TB	04/13/93	04/19/93	GCJAY2304191001	No Analytes Detected	ND				
TB-3	8020	TB	04/15/93	04/21/93	GCQUE2304200001	No Analytes Detected	ND				
TB-5	8020	TB	04/23/93	05/05/93	GCQUE2305041901	No Analytes Detected	ND				

TABLE 4 MASTER LOG OF WELLS SAMPLED,
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM,
APRIL THROUGH JUNE 1993, McLELLAN AIR FORCE BASE

FOOTNOTES AND ABBREVIATIONS

DATAFLAGS:

- 0 = The results are less than five times the method specified detection limit. Uncertainty of the analysis will increase as the method detection limit is approached. These results should be considered approximate.
- C = Confirmed on second column or by GC/MS.
- G = Indicates an estimated value due to GC interferences and/or coelution.
- ND = Not detected at specified detection limit.
- P = Previously confirmed on second column or by GC/MS.
- S = Determined by Method of Standard Addition.
- V = Not confirmed - second column not requested.
- Z = Inorganic methods - Analyte is found in the associated blank, but the sample results are not corrected for the amount in the blank.

FIELD ANALYSIS AND FIELD QA/QC:

- AB = Ambient Blank.
- EB = Equipment Blank.
- FD = Field Duplicate.
- NS = Normal Sample.
- TB = Trip Blank.

QUALIFIED RESULTS:

- M = Qualified as estimated due to matrix spike or surrogate recoveries outside the control limits.
- O = Detected in blank other than reagent blank.
- PF = Qualified as estimated due to high total variability as measured by field duplicates.
- R = Detected in the reagent blank.

UNITS:

- ug/L = Micrograms per liter.
(METHODS 8010, 8020)
- mg/L = Milligrams per liter.
(METHODS 6010, 7060, 7470, 7421, 7740)

WELL IDENTIFICATION:

- EC = Extraction Well Composite.
- EC-1 is a composite of EM-73, EM-83, EM-84, EM-85, EM-86, and EM-87.
- EW = Extraction Well.
- MW = Monitoring Well.

NOTES:

- AL = Cal/EPA Dept. of Toxic Substances Control Action Level.
- GC = Gas Chromatography.
- GC/MS = Gas Chromatography/Mass Spectrometry.
- MCL = Cal/EPA Dept. of Toxic Substances Control Maximum Contaminant Level.
- PMCL = U.S. Environmental Protection Agency Primary Maximum Contaminant Level.
- QA/QC = Quality Assurance/Quality Control.

TABLE 5 WELLS CONTAINING ANALYTES AT CONCENTRATIONS EQUAL TO OR EXCEEDING STATE AND FEDERAL DRINKING WATER STANDARDS, GROUNDWATER SAMPLING AND ANALYSIS PROGRAM, APRIL THROUGH JUNE 1993, MCCLELLAN AIR FORCE BASE

Well Number	Date Sampled	Sector	Method	Analyte Detected	Field Duplicate Analysis	Lab	Concentration	Contaminant Level Or Action Level	Maximum Qualified Results
EC-1	20-Apr-93	D	8010	1,1-Dichloroethane 1,1-Dichloroethane 1,2-Dichloroethane Trichloroethane cis-1,2-Dichloroethane		RAS RAS RAS RAS RAS	49 P 940 P 13 P 220 P 29 P	5.0 MCL 6.0 MCL 0.50 MCL 5.0 MCL 6.0 MCL	
			8020	Benzene Benzene	FD	RAS RAS	1.2 C 1.4 C	1.0 MCL 1.0 MCL	
EW-140	05-Apr-93	C	8010	Trichloroethane cis-1,2-Dichloroethane		RAS RAS	57 P 18 P	5.0 MCL 6.0 MCL	
EW-141	05-Apr-93	C	8010	Trichloroethane		RAS	41 P	5.0 MCL	
EW-144	07-Apr-93	C	8010	Trichloroethane		RAS	860 P	5.0 MCL	
EW-233	07-Apr-93	B	8010	Tetrachloroethane Trichloroethane		RAS RAS	1100 P 5000 P	5.0 MCL 5.0 MCL	
EW-234	07-Apr-93	B	8010	Tetrachloroethane Trichloroethane		RAS RAS	83 P 800 P	5.0 MCL 5.0 MCL	
MW-7	09-Apr-93	B	8010	Trichloroethane cis-1,2-Dichloroethane		RAS RAS	28 P 16 P	5.0 MCL 6.0 MCL	
MW-10	06-Apr-93	D	8010	1,1-Dichloroethane 1,2-Dichloroethane Trichloroethane		RAS RAS RAS	170 C 120 C 390 C	6.0 MCL 0.50 MCL 5.0 MCL	
			8020	Benzene Benzene	FD	RAS RAS	1.0 C 1.2 C	1.0 MCL 1.0 MCL	
			6010	Aluminum		RAS	3.0	1.0 MCL	
MW-14	06-Apr-93	D	8010	1,1,1-Trichloroethane 1,1-Dichloroethane Trichloroethane 1,1,1-Trichloroethane 1,1-Dichloroethane Trichloroethane		RAS RAS RAS RAS RAS RAS	1300 P 2400 P 2300 P 1200 C 2100 C 2100 C	200 MCL 6.0 MCL 5.0 MCL 200 MCL 6.0 MCL 5.0 MCL	
			6010	Aluminum Aluminum	FD	RAS RAS	10 11	1.0 MCL 1.0 MCL	
MW-41S	16-Apr-93	B	8010	Tetrachloroethane Trichloroethane Tetrachloroethane Trichloroethane		RAS RAS RAS RAS	55 P 390 P 42 C 360 C	5.0 MCL 5.0 MCL 5.0 MCL 5.0 MCL	

TABLE 5 (Continued)

Well Number	Date Sampled	Sector	Method	Analyte Detected	Field Duplicate Analysis Lab	Concentration	Contaminant Level Or Action Level	Maximum	Qualified Results
MW-89	05-Apr-93	D	8010	1,1-Dichloroethene	RAS	210 C	6.0 MCL		
MW-111	21-Apr-93	C	8010	Trichloroethene	RAS	8.4 G	5.0 MCL		
MW-135	15-Apr-93	C	8010	Trichloroethene Trichloroethene	FD RAS	12 C 9.2 C	5.0 MCL 5.0 MCL		
MW-149	08-Apr-93	B	6010	Chromium	RAS	0.080	0.050 MCL		
MW-151	09-Apr-93	B	8010	Tetrachloroethene	RAS	7.9 C	5.0 MCL		
MW-153	09-Apr-93	B	8010	Trichloroethene	RAS	56 P	5.0 MCL		
MW-155	09-Apr-93	B	8010	Trichloroethene cis-1,2-Dichloroethene	RAS RAS	25 P 15 P	5.0 MCL 6.0 MCL		
			6010	Chromium	RAS	0.15	0.050 MCL		
MW-156	19-Apr-93	B	8010	Trichloroethene cis-1,2-Dichloroethene Trichloroethene cis-1,2-Dichloroethene	RAS RAS FD FD	99 P 29 P 85 C 25 C	5.0 MCL 5.0 MCL 5.0 MCL 6.0 MCL		
MW-164	19-Apr-93	B	8010	Trichloroethene cis-1,2-Dichloroethene Trichloroethene cis-1,2-Dichloroethene	RAS RAS FD FD	16 C 10 C 17 C 10 C	5.0 MCL 6.0 MCL 5.0 MCL 6.0 MCL		
MW-167	19-Apr-93	B	6010	Chromium	RAS	1.8	0.050 MCL		
			8010	Trichloroethene cis-1,2-Dichloroethene	RAS RAS	28 C 11 C	5.0 MCL 6.0 MCL		PF
			6010	Chromium	RAS	0.063	0.050 MCL		
MW-169	06-Apr-93	A	8010	Trichloroethene Trichloroethene	RAS FD	6.7 C 6.8 C	5.0 MCL 5.0 MCL		
MW-170	08-Apr-93	A	6010	Chromium	RAS	0.24	0.050 MCL		
MW-174	13-Apr-93	A	6010	Chromium	RAS	0.11	0.050 MCL		
MW-175	08-Apr-93	B	6010	Chromium	RAS	0.29	0.050 MCL		
MW-178	13-Apr-93	A	8010	Carbon Tetrachloride Trichloroethene	RAS RAS	20 C 89 C	0.50 MCL 5.0 MCL		

TABLE 5 (Continued)

Well Number	Date Sampled	Sector	Method	Analyte Detected	Field Duplicate Analysis	Lab	Concentration	Maximum Contaminant Level Or Action Level	Qualified Results
MW-178	13-Apr-93	A	6010	Chromium		RAS	0.72	0.050 MCL	
MW-182	09-Apr-93	C	6010	Chromium		RAS	1.1	0.050 MCL	
				Chromium	FD	RAS	1.2	0.050 MCL	
MW-189	21-Apr-93	C	8010	Tetrachloroethene		RAS	8.6 C	5.0 MCL	
				Trichloroethene		RAS	30 C	5.0 MCL	
MW-192	15-Apr-93	B	6010	Chromium		RAS	0.22	0.050 MCL	
MW-193	21-Apr-93	B	6010	Chromium		RAS	1.0	0.050 MCL	
MW-194	14-Apr-93	E	8010	Trichloroethene		RAS	8.1 G	5.0 MCL	
MW-197	15-Apr-93	A	8010	Trichloroethene		RAS	6.4 C	5.0 MCL	
MW-199	15-Apr-93	A	6010	Chromium		RAS	0.066	0.050 MCL	
MW-200	06-Apr-93	B	8010	Trichloroethene		RAS	11 C	5.0 MCL	
				cis-1,2-Dichloroethene		RAS	10 C	6.0 MCL	
			6010	Chromium		RAS	0.075	0.050 MCL	
				Chromium	FD	RAS	0.062	0.050 MCL	
MW-210	22-Apr-93	A	8010	Carbon Tetrachloride		RAS	5.7 C	0.50 MCL	
				Tetrachloroethene		RAS	9.0 C	5.0 MCL	
				Trichloroethene		RAS	21 C	5.0 MCL	
			6010	Aluminum		RAS	1.7	1.0 MCL	
				Chromium		RAS	14	0.050 MCL	
MW-212	07-Apr-93	A	6010	Chromium		RAS	17	0.050 MCL	
MW-214	12-Apr-93	C	8010	1,1-Dichloroethane		RAS	17 C	5.0 MCL	
				Trichloroethene		RAS	7.6 C	5.0 MCL	
				cis-1,2-Dichloroethene		RAS	11 C	6.0 MCL	
			6010	Chromium		RAS	0.80	0.050 MCL	
MW-216	12-Apr-93	C	6010	Chromium		RAS	0.057	0.050 MCL	
MW-217	21-Apr-93	B	8010	Trichloroethene		RAS	33 P	5.0 MCL	
				cis-1,2-Dichloroethene		RAS	17 P	6.0 MCL	
			6010	Chromium		RAS	0.084	0.050 MCL	
MW-218	21-Apr-93	B	8010	Trichloroethene		RAS	7.0 P	5.0 MCL	

TABLE 5 (Continued)

Well Number	Date Sampled	Sector	Method	Analyte Detected	Field Duplicate Analysis	Lab	Concentration	Maximum Contaminant Level Or Action Level	Qualified Results
MJ-221	12-Apr-93	B	6010	Chromium		RAS	0.49	0.050 MCL	
MJ-222	12-Apr-93	A	8010	Carbon Tetrachloride		RAS	0.63 C θ	0.50 MCL	
			6010	Chromium	FD	RAS	3.0	0.050 MCL	
				Chromium		RAS	3.5	0.050 MCL	
MJ-224	13-Apr-93	A	8010	Trichloroethene		RAS	14000 C	5.0 MCL	
				cis-1,2-Dichloroethene		RAS	210 C θ	6.0 MCL	
			6010	Chromium		RAS	0.077	0.050 MCL	
MJ-226	16-Apr-93	A	8010	Trichloroethene		RAS	7.5 C	5.0 MCL	
MJ-228	16-Apr-93	A	8010	1,1-Dichloroethene		RAS	8.8 C	6.0 MCL	
				1,2-Dichloroethene		RAS	18 C	0.50 MCL	
				Trichloroethene		RAS	14 C	5.0 MCL	
MJ-235	21-Apr-93	B	8010	Tetrachloroethene		RAS	2100 C	5.0 MCL	
				Trichloroethene		RAS	9500 C	5.0 MCL	
			6010	Aluminum		RAS	1.6 Z	1.0 MCL	
				Chromium		RAS	2.5	0.050 MCL	R
MJ-999	23-Apr-93		8010	Trichloroethene		RAS	16000 C	5.0 MCL	
			6010	Chromium		RAS	0.13	0.050 MCL	
MJ-1001	07-Apr-93	D	6010	Aluminum		RAS	6.1	1.0 MCL	
				Chromium		RAS	0.066	0.050 MCL	
MJ-1021	20-Apr-93	B	8010	Trichloroethene		RAS	6.2 C	5.0 MCL	
MJ-1026	21-Apr-93	D	6010	Aluminum		RAS	1.0 Z	1.0 MCL	
				Chromium		RAS	0.27	0.050 MCL	
MJ-1049	20-Apr-93	B	8010	Trichloroethene		RAS	6.9 P	5.0 MCL	
MJ-1051	20-Apr-93	B	6010	Chromium		RAS	0.093	0.050 MCL	
MJ-1061	23-Apr-93	A	6010	Chromium		RAS	0.92	0.050 MCL	
MJ-1067	13-Apr-93	A	8010	Carbon Tetrachloride		RAS	1.4 P θ	0.50 MCL	
				Carbon Tetrachloride	FD	RAS	1.3 C θ	0.50 MCL	

TABLE 5 (Continued)

FOOTNOTES AND ABBREVIATIONS

DATAFLAGS:

- C = Confirmed on second column or by GC/MS.
- G = Indicates an estimated value due to GC interferences and/or coelution.
- P = Previously confirmed on second column or by GC/MS.
- Z = Inorganic Methods - Analyte is found in the associated blank, but the sample results are not corrected for the amount in the blank.
- @ = Reported value is less than five times the reporting limit.

FIELD DUPLICATE ANALYSIS:

- FD = Field duplicate.

LAB:

- RAS = Radian Analytical Services, Austin.

MAXIMUM CONTAMINANT LEVEL/ACTION LEVEL:

- MCL = Cal/EPA Dept. of Toxic Substances Control Maximum Contaminant Level.

WELL IDENTIFICATION:

- EC = Composite Extraction Well.
- EC-1 is a composite of EW-73, EW-83, EW-84, EW-85, EW-86, and EW-87.
- EW = Extraction Well.
- MW = Monitoring Well.

QUALIFIED RESULTS:

- PF = Qualified as estimated due to high total variability as measured by field duplicates.
- R = Detected in reagent blank.

UNITS:

- METHODS 8010, 8020 = ug/L.
- METHODS 6010, 7060, 7421, 7470, 7740 = mg/L.
- MCL FOR METHODS 8010, 8020 = ug/L.
- MCL FOR METHODS 6010, 7060, 7421, 7470, 7740 = mg/L.
- mg/L = milligrams per liter.
- ug/L = micrograms per liter.

TABLE 6 AMBIENT BLANKS WITH ASSOCIATED WELL SAMPLES.
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM,
APRIL THROUGH JUNE 1993, McCLELLAN AIR FORCE BASE

Ambient Blank	Date Sampled	Associated Wells	Sector
AB-179	13 April 1993	MW-1067 MW-174 MW-178 MW-179 MW-224	A
AB-175	8 April 1993	MW-145 MW-149 MW-175 MW-176	B
AB-201	9 April 1993	MW-150 MW-151 MW-152 MW-153 MW-155 MW-201 MW-7	B
AB-189	21 April 1993	MW-111 MW-189	C
AB-185	13 April 1993	MW-185	E
AB-102	15 April 1993	MW-102	F

TABLE 7 TRIP BLANKS WITH ASSOCIATED WELL SAMPLES,
GROUNDWATER SAMPLING AND ANALYSIS PROGRAM,
APRIL THROUGH JUNE 1993, McCLELLAN AIR FORCE BASE

Trip Blank ID	Date Sampled	Shipping Cooler ID	Associated Wells
TB-1	12-Apr-93	A	MW-191 MW-214 MW-216 MW-221 MW-222
TB-2	13-Apr-93	A	MW-174 MW-178 MW-179 MW-185 MW-224 MW-1053 MW-1067 MW-1069
TB-3	15-Apr-93	A	MW-102 MW-135 MW-192 MW-197 MW-198 MW-199 MW-1018
TB-5	23-Apr-93	A	MW-187 MW-999 MW-1061 OW-654 OW-994 OW-998

TABLE 2. SUMMARY OF QUALITY CONTROL RESULTS FOR BLANKS, GROUNDWATER SAMPLING AND ANALYSIS PROGRAM, APRIL-JUNE, 1993, McCLELLAN AFB

U.S. EPA SW846 Method	Number Performed	Total Possible Number of Occurrences	Compound (Number of Occurrences)	Range of Results
Reagent Blanks				
8010 (34 analytes)	32	816	Methylene Chloride (1)	0.47 @ $\mu\text{g/L}$
8020 (8 analytes)	26	152	No Analytes Detected	NA
6010 (23 analytes)	6	138	Aluminum (1) Calcium (1) Copper (2) Iron (1)	0.056 @ mg/L 0.09 @ mg/L 0.006 @ - 0.0086 mg/L 0.023 @ mg/L
7060 (1 analyte)	8	8	No Analytes Detected	NA
7421 (1 analyte)	6	6	No Analytes Detected	NA
7470 (1 analyte)	5	5	No Analytes Detected	NA
7740 (1 analyte)	7	7	No Analytes Detected	NA
Trip Blanks				
8010 (34 analytes)	4	136	Methylene Chloride (1)	0.58 BC @ $\mu\text{g/L}$
8020 (8 analytes)	4	32	Toluene (1)	0.43 V @ $\mu\text{g/L}$
Ambient Blanks				
8010 (34 analytes)	6	204	No Analytes Detected	N/A
8020 (8 analytes)	6	48	No Analytes Detected	NA
Equipment Blanks				
8010 (34 analytes)	11	374	Chloroform (1)	0.29 @ mg/L
8020 (8 analytes)	8	64	Toluene (1)	0.27 C @ mg/L

(Continued)

TABLE 8. (Continued)

U.S. EPA SW846 Method	Number Performed	Total Possible Number of Occurrences	Compound (Number of Occurrences)	Range of Results
Equipment Blanks (Continued)				
6010 (23 analytes)	4	92	Aluminum (1) Calcium (2) Copper (2) Chromium (1) Iron (2) Magnesium (2) Manganese (1) Sodium (1) Zinc (2)	1.7 Z mg/L 0.12 Z @ - 0.15 @ mg/L 0.0078 @ - 0.0088 Z @ mg/L 0.016 @ mg/L .032 @ - 0.17 mg/L 0.046 @ - 0.06 @ mg/L 0.019 mg/L 0.31 @ mg/L 0.0048 @ - 0.011 @ mg/L
7060 (1 analyte)	1	1	No Analytes Detected	NA
7421 (1 analyte)	1	1	Lead	0.0042 @ mg/L
7470 (1 analyte)	1	1	No Analytes Detected	NA
7740 (1 analyte)	1	1	Selenium	0.0034 @ mg/L

B = Detected in reagent blank.

C = Confirmed on second column.

V = Second column confirmation not performed.

Z = Analyte is found in the associated blank, but the sample results are not corrected for the amount in the blank.

NA = Not applicable.

@ = Detected at less than five times the reporting limit.

mg/L = Milligrams per liter.

µg/L = Micrograms per liter.

U.S. EPA = United States Environmental Protection Agency.

NOTE: Some concentration values shown in ranges may have associated flags; see individual result tables.

TABLE 9. SUMMARY OF QUALIFIED DATA, GROUNDWATER SAMPLING AND ANALYSIS PROGRAM, APRIL - JUNE 1993, McCLELLAN AFB

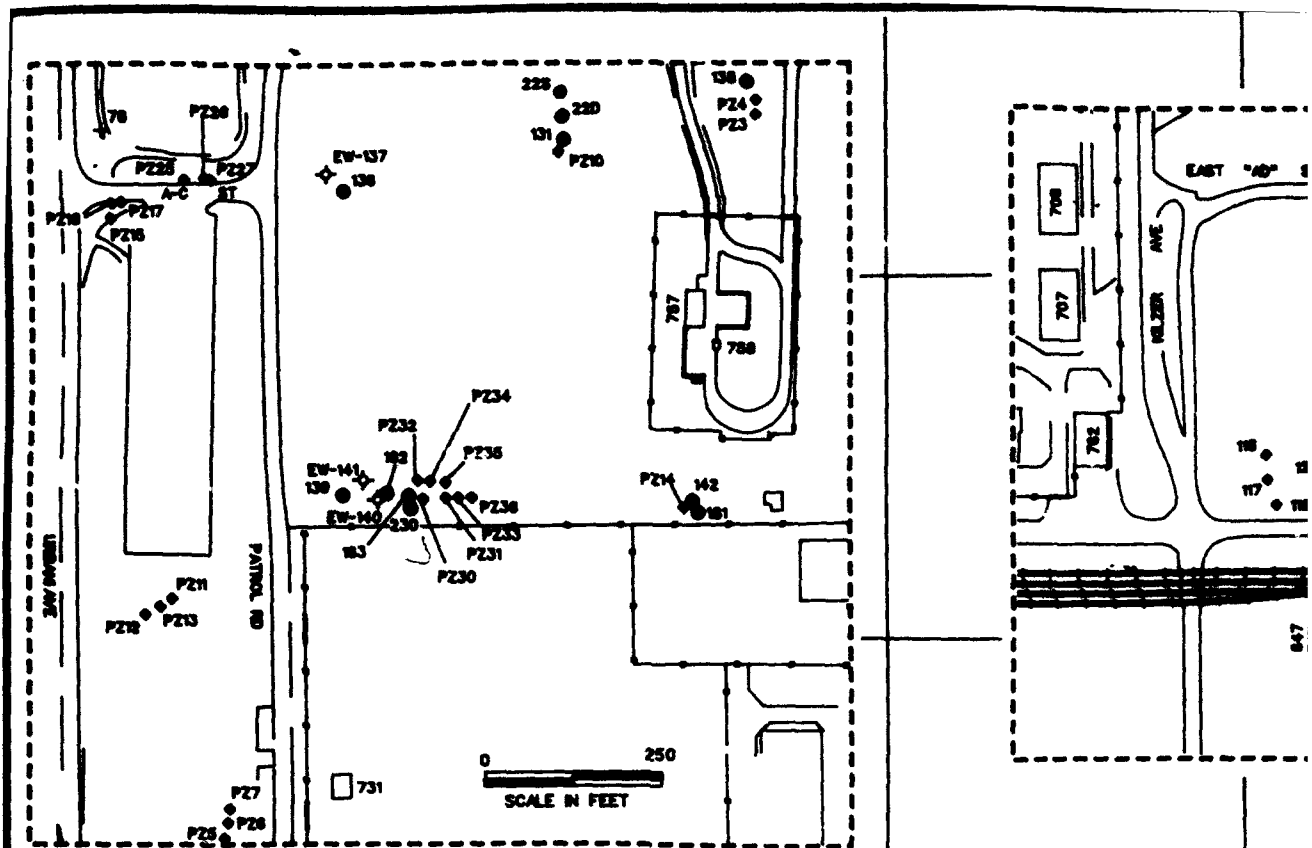
Sample Number	U.S. EPA Method	Analyte(s)	Type of Qualifications	Reason
MW-14	8010	Methylene Chloride	PF	High RPD between field duplicates
	7421	Lead	PF	High RPD between field duplicates
MW-51	7740	Selenium	M	Low MS recovery
MW-145	6010	Iron	R	Detected in reagent blank
MW-164	6010	Copper	R	Detected in reagent blank
	8010	1,2 Dichloroethane	PF	High RPD between field duplicates
		1,1 Dichloromethylene		
MW-166	6010	Chromium	O	Detected in equipment blank
		Iron		
		Manganese		
		Zinc		
MW-167	8010	1,2 Dichloroethane	F	High RPD between field duplicates
		Trichloroethylene		
MW-175	6010	Aluminum	R	Detected in reagent blank
MW-175	7740	Selenium	M	Low MS recovery
MW-182	6010	aluminum	PF	High RPD between field duplicates
		Copper		
		Nickel		
MW-189	6010	Copper	R	Detected in reagent blank
MW-193	6010	Aluminum	R	Detected in reagent blank
MW-199	6010	Copper	R	Detected in reagent blank
MW-217	6010	Copper	R	Detected in reagent blank
	7421	Lead	O	Detected in equipment blank
MW-221	8020	Toluene	O	Detected in trip blank
MW-235	6010	Aluminum	R	Detected in reagent blank
		Copper		
MW-1019	6010	Aluminum	R	Detected in reagent blank
MW-1022	6010	Copper	R	Detected in reagent blank
MW-1051	6010	Aluminum	R	Detected in reagent blank

M = Qualified as inaccurate due to matrix spike recoveries outside acceptable limits.
 MW = Monitoring Well.
 O = Detected in blank other than reagent blank.
 PF = Qualified as estimated due to high total variability, as measured by field duplicates.
 R = Detected in reagent blank.
 RPD = Relative percent difference.
 U.S. EPA = United States Environmental Protection Agency.

REFERENCES

Radian Corporation, 1992. "Installation Restoration Program McClellan Air Force Base: Quality Assurance Project Plan." Final. August.

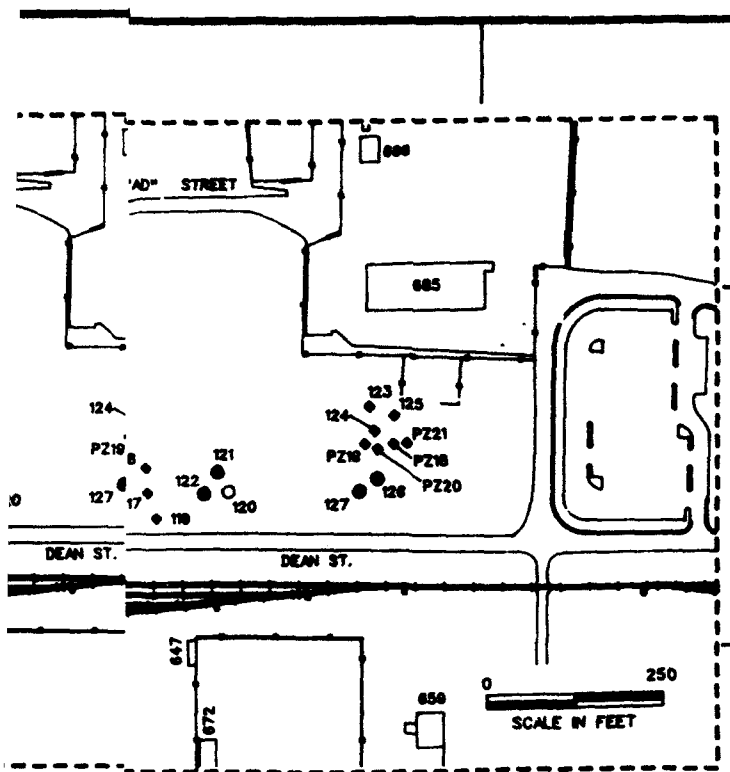
U.S. Environmental Protection Agency, 1986. *Test Methods for Evaluating Solid Waste, Third Edition*. Office of Solid Waste and Emergency Response. Washington, D.C. 20460. November.



INSET A

ST

G ST.



20TH ST.

22TH ST.

* RWN

7

3

I

J

K

L

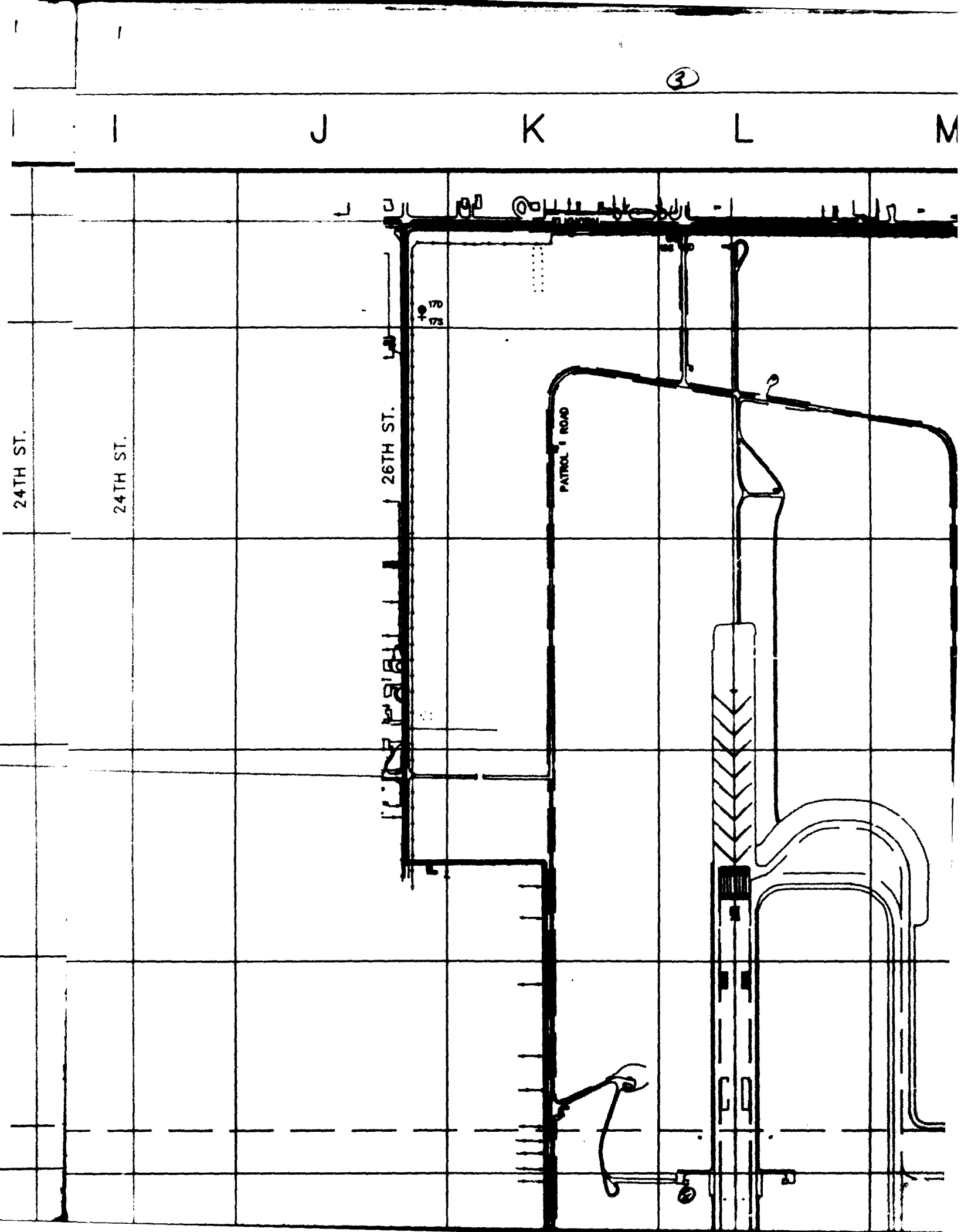
M

24TH ST.

24TH ST.

26TH ST.

PATROL ROAD



P

34TH ST.

6

E ST.

①

7

C ST.

D

8

ASCOT

9

CW164
1019

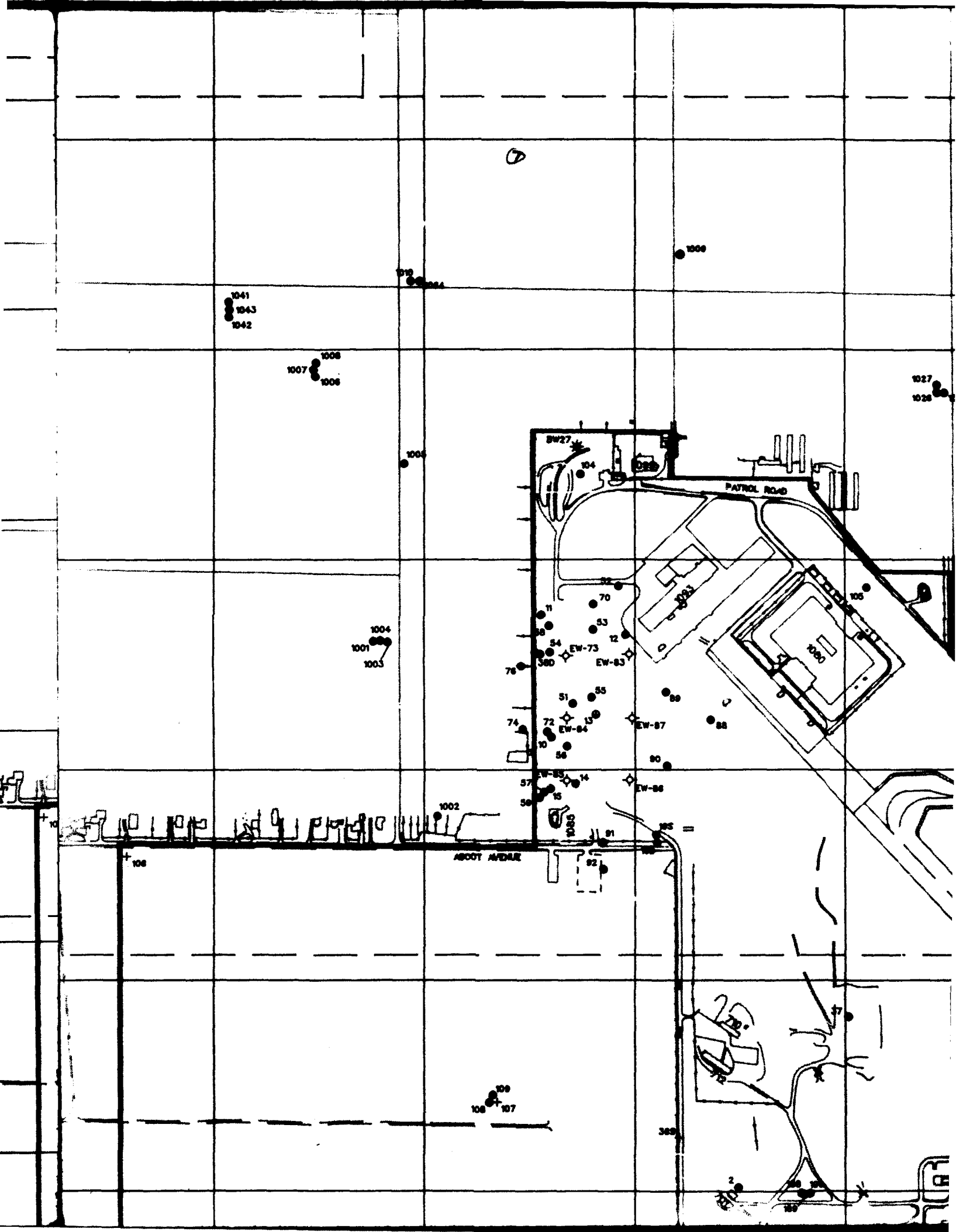
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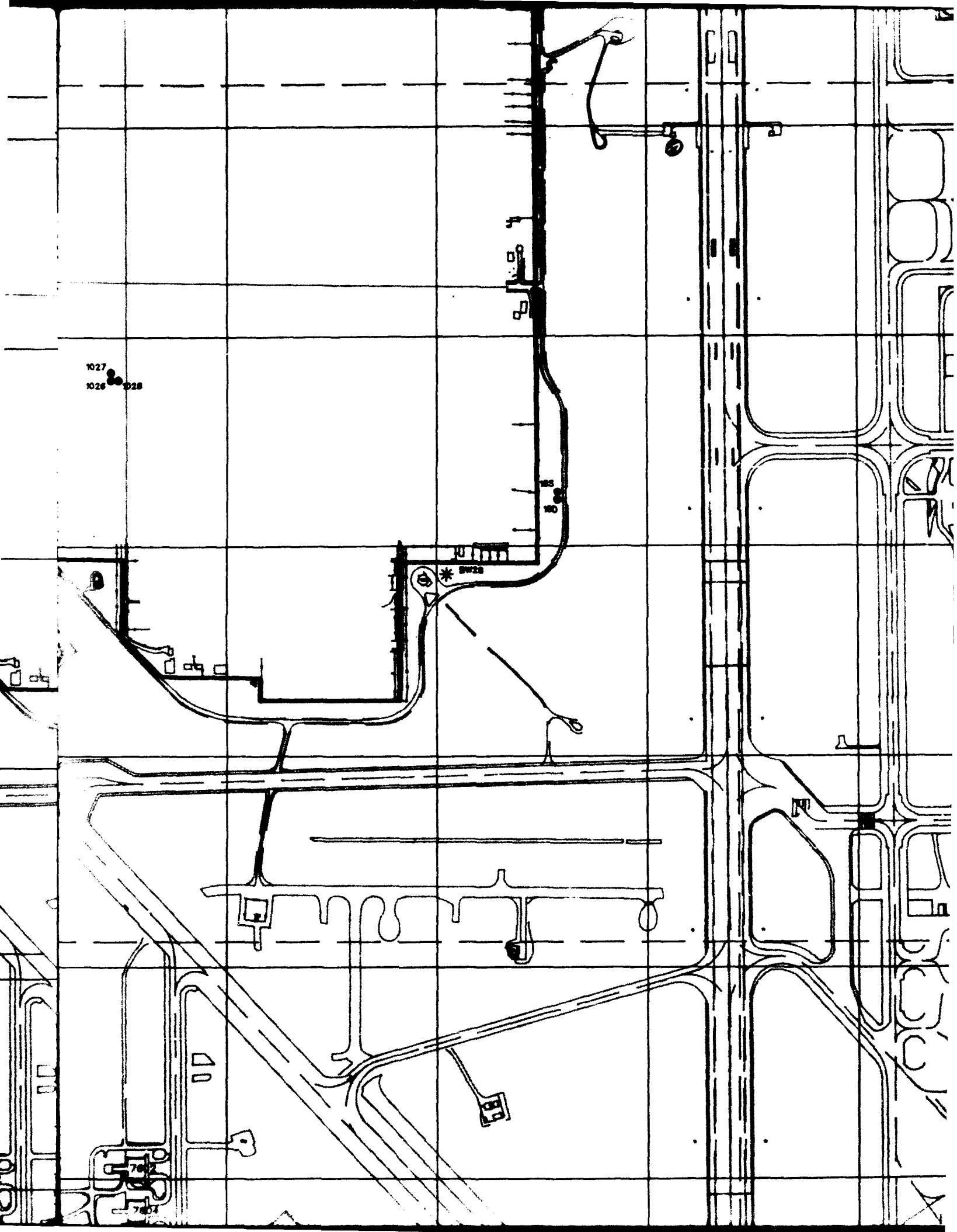
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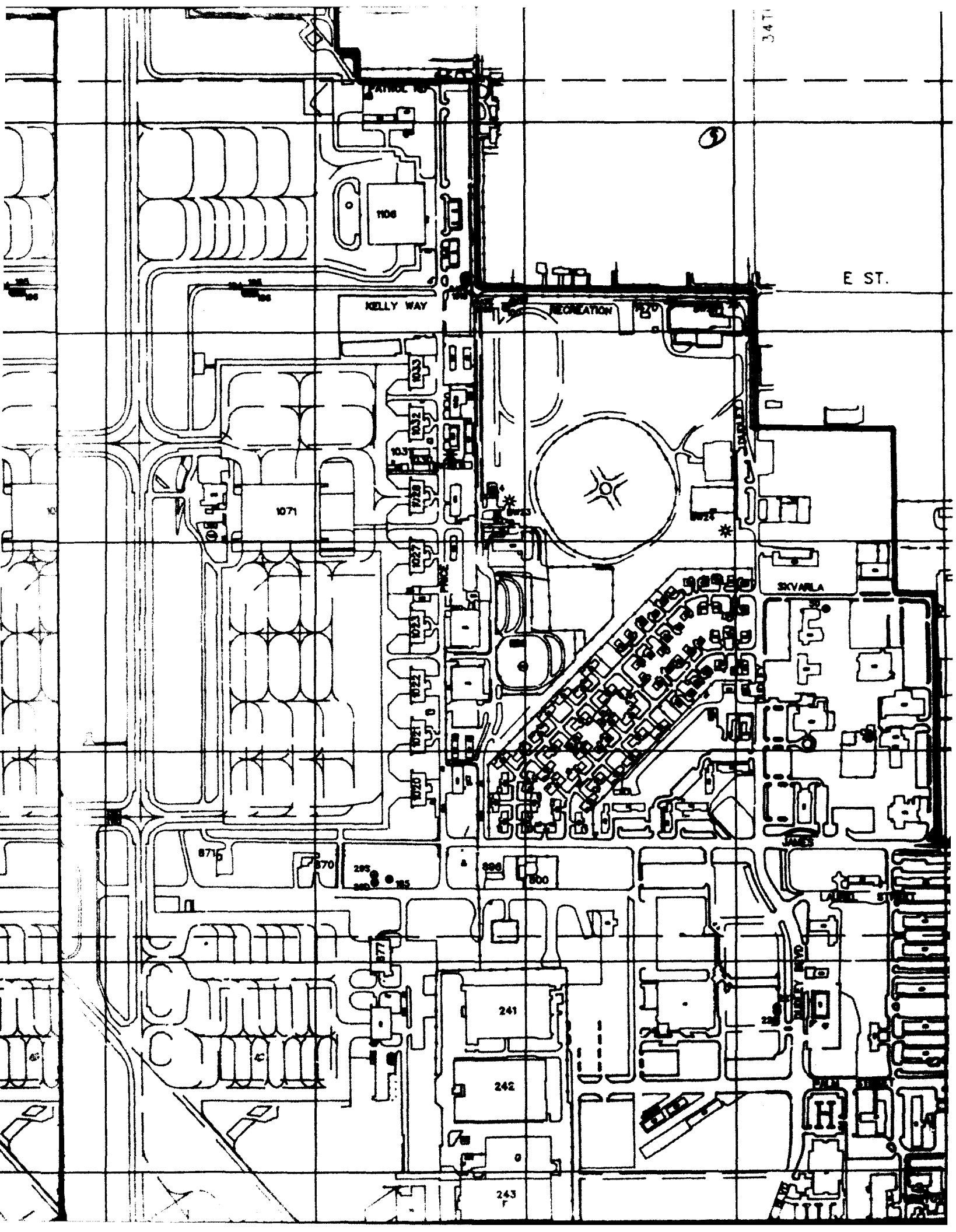
1031

10

VINCI







PATROL

1106

KELLY WAY

RECREATION

E ST.

1071

1033

1032

1028

1027

1023

1022

1021

1020

8715

870

295

296

297

298

299

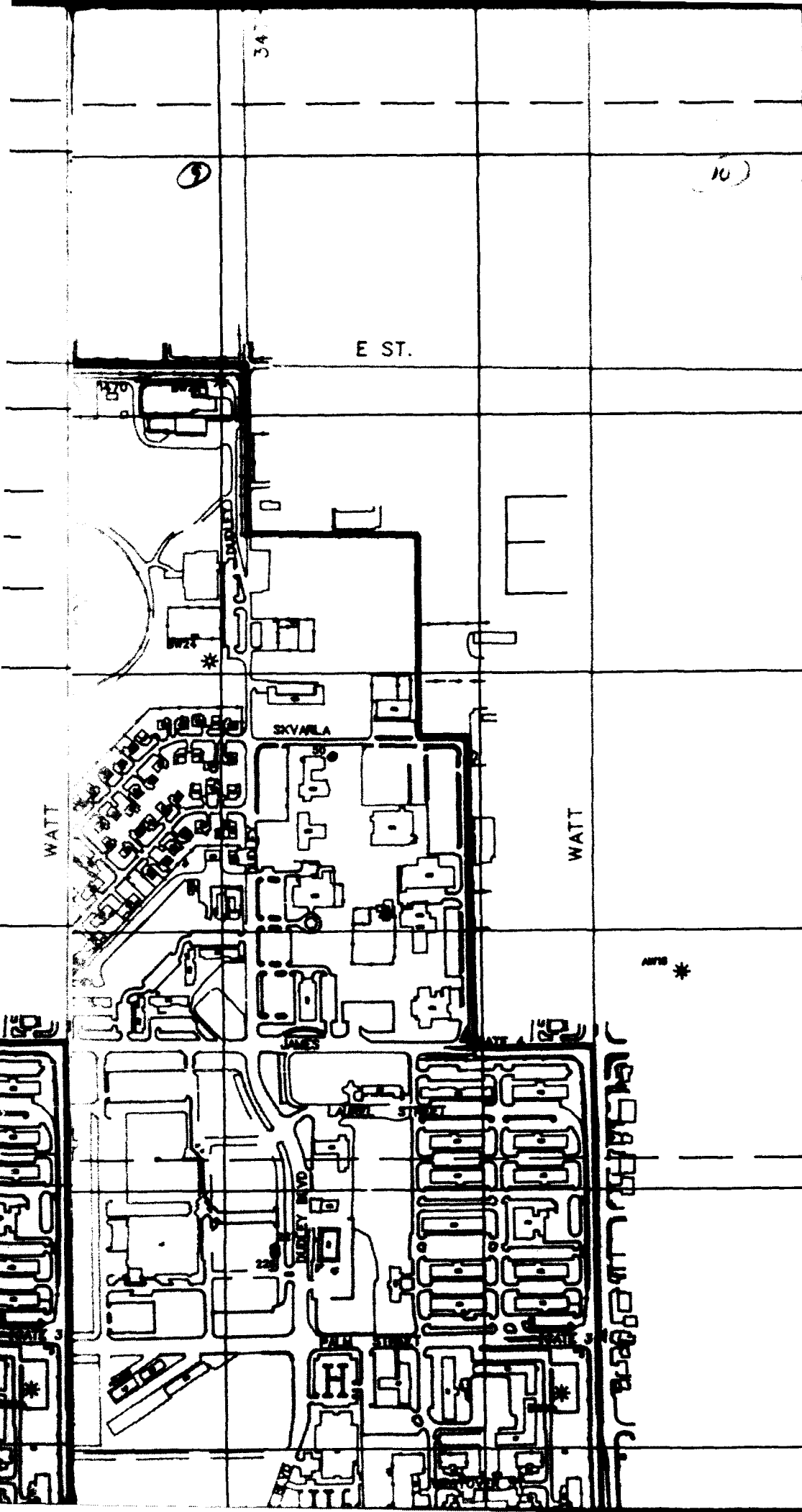
300

241

242

243

SKVARLA



34

9

10

E ST.

WATT

SKVILA

WATT

N *
S *

5

6

7

8

9

10

11

① C

CLAIRE

12

JOYCE

13

SANTA ANA

14

MAIN

15

GRACE

16

MARY

RALEY

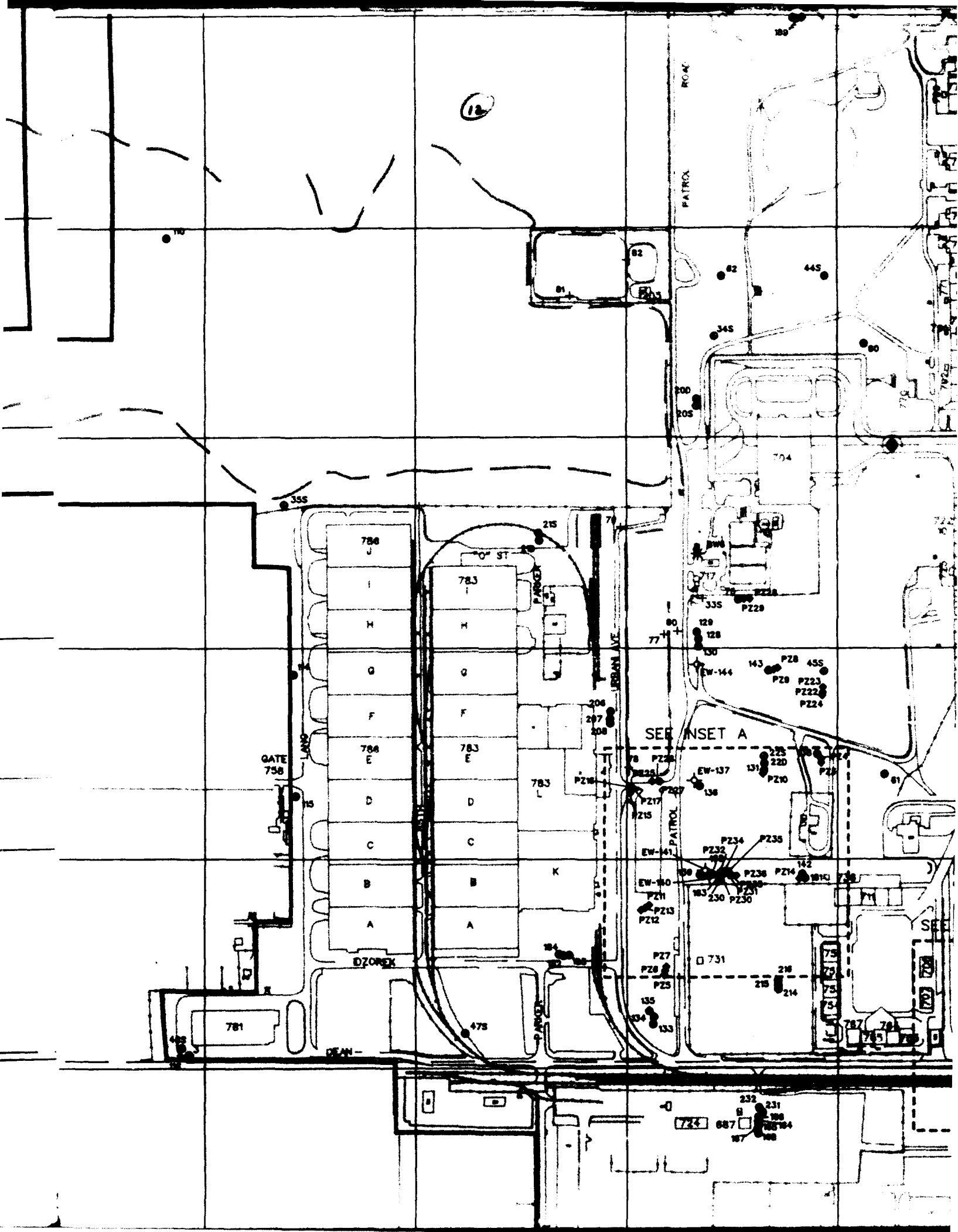
1036

1032 1018

1017+

1036 1033+ 1034

1011 1013



BW78

(13)

+315

305

BW21

E. A-C ST

80TH STREET

D
851
C
B
A

850
C
B

220

250

255

+305

PZ38

447

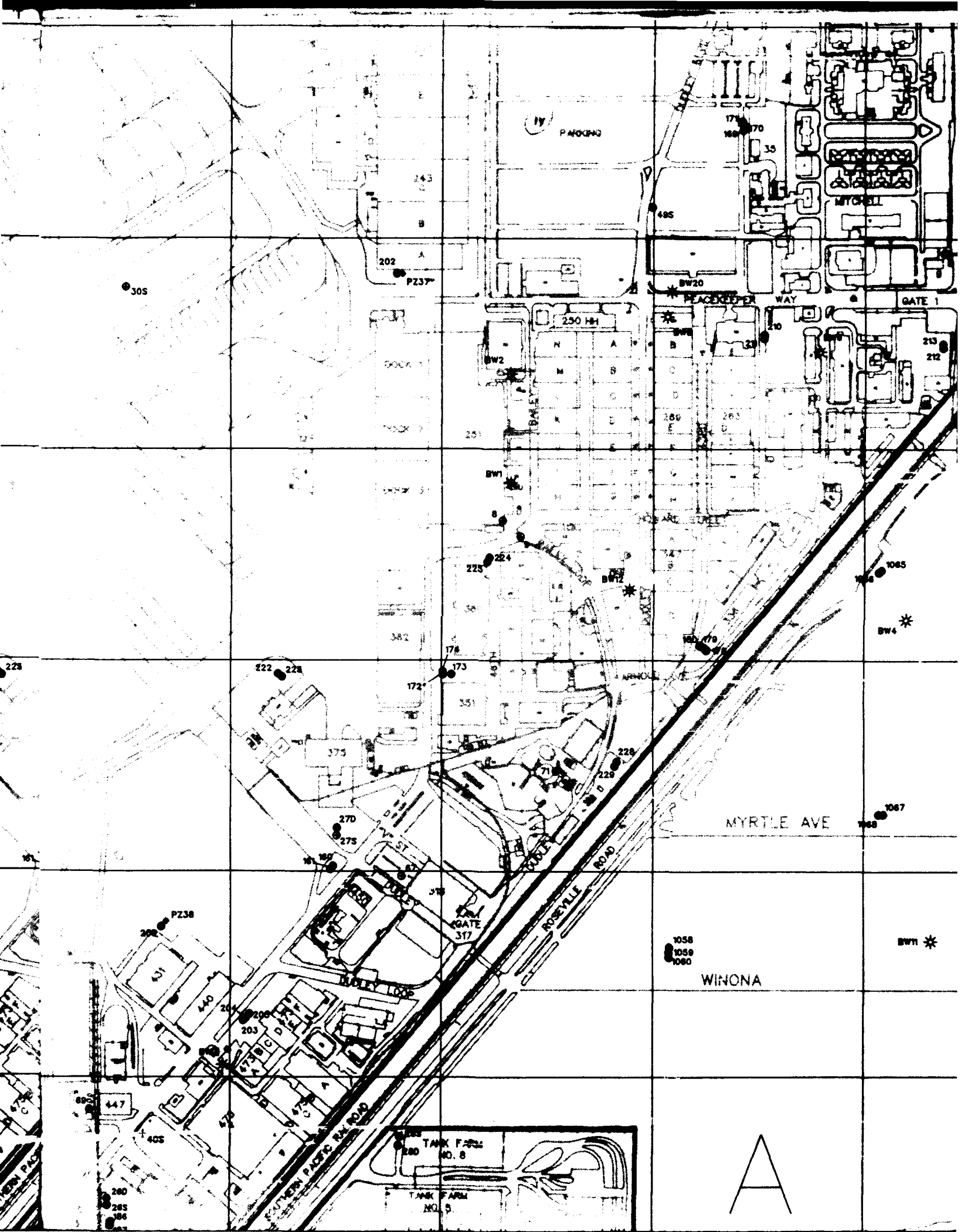
+408

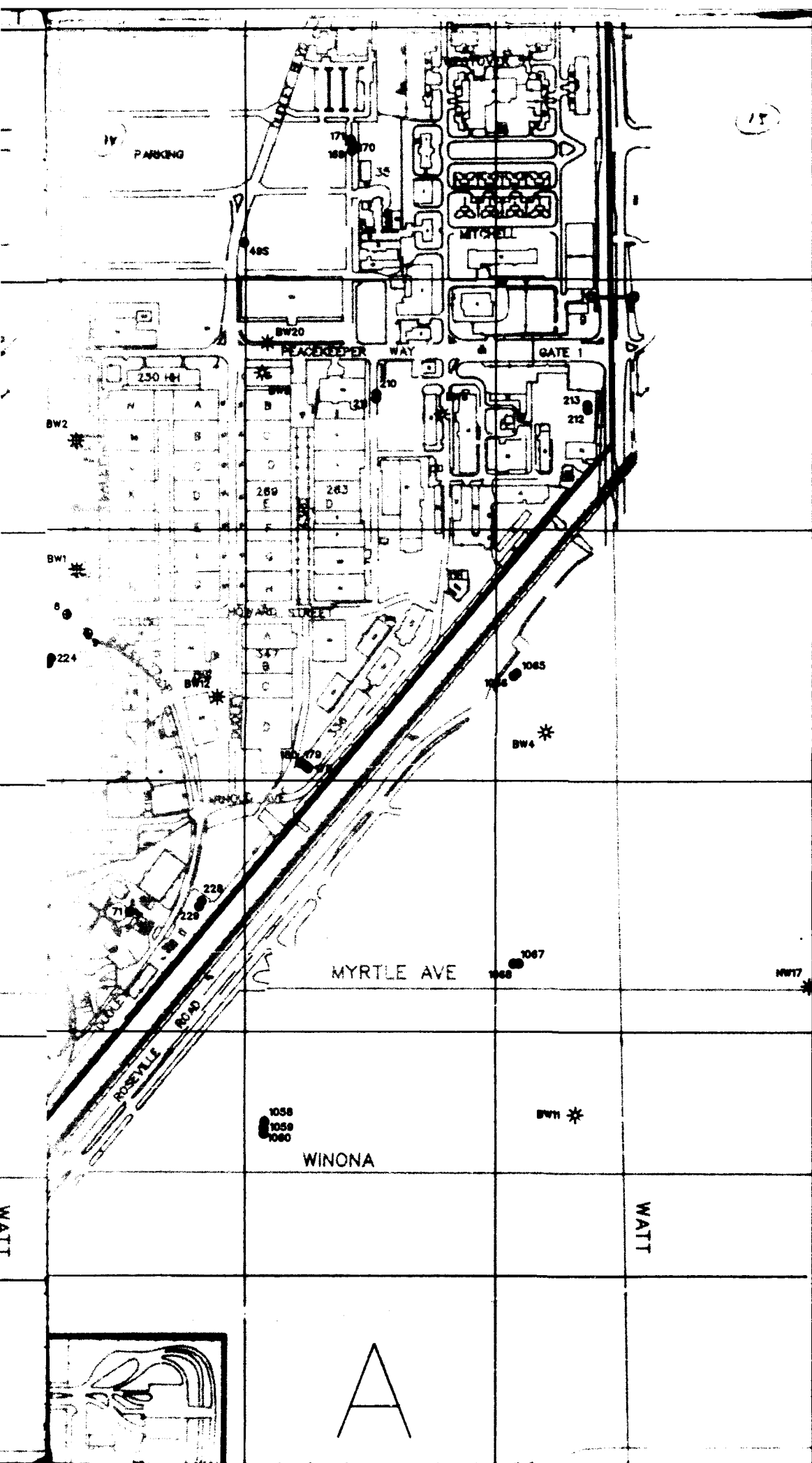
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285

286

287





11

12

13

14

15

16

GRACE

1033 + 1034

16

MARYSVILLE

RALEY

(16)

BELL

17

DRY CREEK

B

18

INTERSTATE 81

19

* CW130

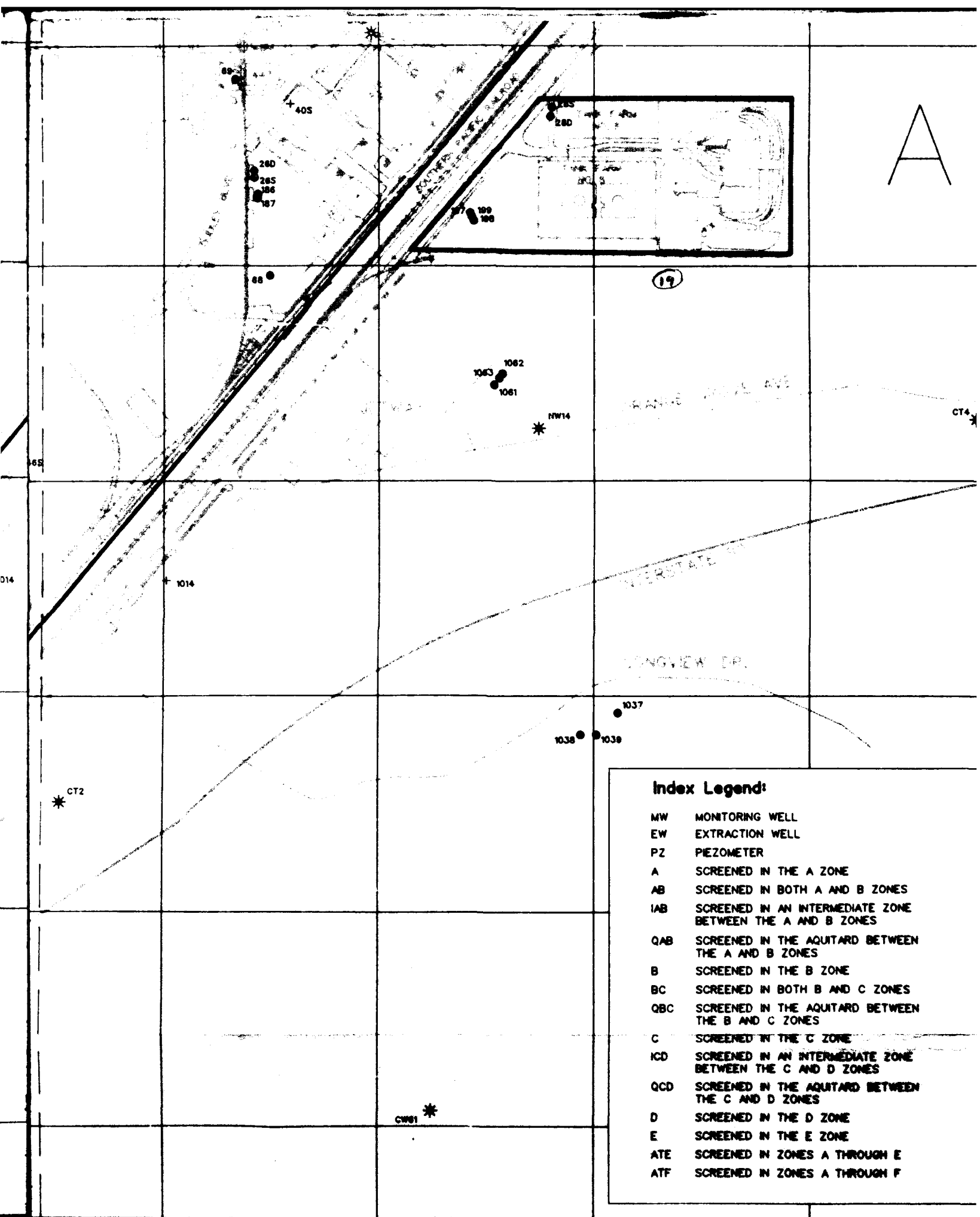
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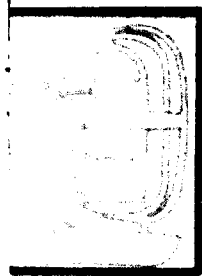
* CW131

20









A

(20)

CT4 *

16

17

18

19

20

Map Legend:

- MONITORING WELL
- EXTRACTION WELL
- + PIEZOMETER
- SCREENED IN THE A ZONE
- ◆ SCREENED IN BOTH A AND B ZONES
- ◆ SCREENED IN AN INTERMEDIATE ZONE BETWEEN THE A AND B ZONES
- * SCREENED IN THE AQUITARD BETWEEN THE A AND B ZONES
- * SCREENED IN THE B ZONE
- * SCREENED IN BOTH B AND C ZONES
- * SCREENED IN THE AQUITARD BETWEEN THE B AND C ZONES
- * SCREENED IN THE C ZONE
- * SCREENED IN AN INTERMEDIATE ZONE BETWEEN THE C AND D ZONES
- * SCREENED IN THE AQUITARD BETWEEN THE C AND D ZONES
- * SCREENED IN THE D ZONE
- * SCREENED IN THE E ZONE
- * SCREENED IN ZONES A THROUGH E
- * SCREENED IN ZONES A THROUGH F

Map Legend:

- MONITORING WELL
- PIEZOMETER
- + DRY WELL
- ABANDONED WELL
- ◆ EXTRACTION WELL
- * CITY/BASE WELL (ACTIVE)
- * CITY/BASE WELL (INACTIVE)
- * CITY/BASE WELL (ABANDONED)



0 500
SCALE IN FEET

WELL	ZONE	GRID	WELL	ZONE	GRID	WELL	ZONE	GRID	WELL
EW-73	AB	G-8	MW-16S	A	L-1	MW-31S	A	K-12	MW-60
EW-83	AB	G-8	MW-17D	AB	J-1	MW-33S	A	H-13	MW-61
EW-84	AB	G-8	MW-17S	A	J-1	MW-34S	A	H-12	MW-62
EW-85	AB	G-9	MW-18D	B	K-7	MW-35S	A	F-13	MW-63
EW-86	AB	G-9	MW-18S	A	K-7	MW-36S	A	H-10	MW-64
EW-87	AB	G-8	MW-19D	B	H-9	MW-37	A	I-10	MW-65
EW-137	B	H-14	MW-19S	A	H-9	MW-38D	IAB	G-8	MW-66
EW-140	B	H-15	MW-20D	B	H-12	MW-39S	A	L-16	MW-67
EW-141	C	H-15	MW-20S	A	H-12	MW-40S	A	M-16	MW-68
EW-144	AB	H-14	MW-21D	A	G-13	MW-41S	A	J-17	MW-69
EW-233	A	J-17	MW-21S	A	G-13	MW-42S	A	I-19	MW-70
EW-234	A	J-17	MW-22D	B	H-14	MW-43S	A	G-17	MW-71
MW-1	ATE	G-8	MW-22S	AB	H-14	MW-44S	A	H-12	MW-72
MW-2	ATE	H-10	MW-23D	B	I-18	MW-45S	A	H-14	MW-74
MW-3	ATr	E-15	MW-23S	A	I-18	MW-46S	A	L-17	MW-75
MW-4	ATF	N-7	MW-24D	B	K-20	MW-47S	A	G-15	MW-76
MW-5	A	J-17	MW-24S	A	K-20	MW-48S	A	E-15	MW-77
MW-6	A	I-17	MW-25D	A	K-16	MW-49S	A	O-11	MW-78
MW-7	A	H-17	MW-25S	A	K-16	MW-50	A	P-8	MW-79
MW-8	A	O-13	MW-26D	B	M-16	MW-51	B	G-8	MW-80
MW-9	A	O-13	MW-26S	A	M-16	MW-52	IAB	G-8	MW-81
MW-10	A	G-8	MW-27D	B	N-14	MW-53	IAB	G-8	MW-82
MW-11	A	G-8	MW-27S	A	N-14	MW-54	IAB	G-8	MW-88
MW-12	A	G-8	MW-28D	A	N-16	MW-55	IAB	G-8	MW-89
MW-13	A	G-8	MW-28S	A	N-16	MW-56	A	G-8	MW-90
MW-14	A	G-9	MW-29D	B	N-9	MW-57	IAB	G-9	MW-91
MW-15	A	G-9	MW-29S	A	N-9	MW-58	B	G-8	MW-92
MW-16D	AB	L-1	MW-30S	A	M-12	MW-59	B	G-9	MW-100

H

22

CTJ * + 1013

I J K L

ONE	GRID	WELL	ZONE	GRID	WELL	ZONE	GRID	WELL	ZONE	GRID	WELL	ZONE
C	N-14	MW-189	B	H-11	MW-217	A	I-17	MW-1010	AB	F-6	MW-1038	E
D	H-15	MW-190	C	H-11	MW-218	B	I-17	MW-1011	A	F-17	MW-1039	C
D	H-15	MW-191	A	K-18	MW-219	C	I-17	MW-1012	A	N-2	MW-1040	C
A	H-16	MW-192	B	K-18	MW-220	B	K-16	MW-1013	A	K-20	MW-1041	A
B	H-16	MW-193	C	K-18	MW-221	C	K-16	MW-1014	A	M-18	MW-1042	A
C	H-16	MW-194	A	M-6	MW-222	A	N-14	MW-1015	A	I-19	MW-1043	E
D	H-16	MW-195	B	M-6	MW-223	B	N-14	MW-1016	A	I-18	MW-1044	A
D	H-16	MW-196	C	M-6	MW-224	A	O-13	MW-1017	A	D-14	MW-1045	E
A	P-11	MW-197	A	N-16	MW-225	B	O-13	MW-1018	A	C-13	MW-1046	C
B	P-11	MW-198	B	N-16	MW-226	A	P-10	MW-1019	A	A-9	MW-1047	C
C	P-11	MW-199	C	N-16	MW-227	B	P-10	MW-1020	A	H-17	MW-1048	C
A	O-14	MW-200	A	J-17	MW-228	A	O-14	MW-1021	A	I-17	MW-1049	A
B	O-14	MW-201	B	J-17	MW-229	B	O-14	MW-1022	B	I-17	MW-1050	E
A	O-14	MW-202	A	N-12	MW-230	E	H-15	MW-1023	A	G-19	MW-1051	C
A	L-17	MW-203	A	N-15	MW-231	E	H-16	MW-1024	A	G-19	MW-1052	C
B	L-17	MW-204	B	N-15	MW-232	E	H-16	MW-1025	B	G-19	MW-1053	A
C	L-17	MW-205	C	N-15	MW-235	A	J-17	MW-1026	A	I-7	MW-1054	A
A	P-13	MW-206	A	G-14	MW-236	A	J-17	MW-1027	B	I-7	MW-1055	E
B	P-13	MW-207	B	G-14	MW-1000	IAB	H-17	MW-1028	B	I-7	MW-1056	C
C	P-13	MW-208	C	G-14	MW-1001	B	F-8	MW-1029	A	D-10	MW-1057	C
C	H-15	MW-209	A	M-15	MW-1002	A	G-9	MW-1030	B	D-9	MW-1058	A
A	G-15	MW-210	A	P-12	MW-1003	IAB	F-8	MW-1031	B	D-10	MW-1059	E
B	G-15	MW-211	B	P-12	MW-1004	A	F-8	MW-1032	B	C-13	MW-1060	C
C	G-15	MW-212	A	Q-12	MW-1005	A	F-7	MW-1033	A	D-15	MW-1061	A
A	N-9	MW-213	B	Q-12	MW-1006	B	F-7	MW-1034	IAB	D-15	MW-1062	E
A	M-16	MW-214	A	H-15	MW-1007	IAB	F-7	MW-1035	B	D-15	MW-1063	C
C	M-16	MW-215	B	H-15	MW-1008	A	F-7	MW-1036	A	A-13	MW-1064	A
A	H-11	MW-216	C	H-15	MW-1009	A	H-6	MW-1037	A	O-19	MW-1065	E

C SCREENED IN THE C ZONE
 ICD SCREENED IN AN INTERMEDIATE ZONE
 BETWEEN THE C AND D ZONES
 QCD SCREENED IN THE AQUITARD BETWEEN
 THE C AND D ZONES
 D SCREENED IN THE D ZONE
 E SCREENED IN THE E ZONE
 ATE SCREENED IN ZONES A THROUGH E
 ATF SCREENED IN ZONES A THROUGH F

CW81 *

M M N O P

RID	WELL	ZONE	GRID	WELL	ZONE	GRID	WELL	ZONE	GRID
6-6	MW-1038	B	N-19	MW-1066	B	Q-13	PZ-25	A	H-14
6-17	MW-1039	C	O-19	MW-1067	A	Q-14	PZ-26	B	H-14
6-2	MW-1040	C	P-4	MW-1068	B	Q-14	PZ-27	C	H-14
6-20	MW-1041	A	F-6	MW-1069	A	H-19	PZ-28	B	H-13
6-18	MW-1042	AB	F-6	PZ-1	A	H-17	PZ-29	C	H-13
6-19	MW-1043	B	F-6	PZ-2	B	I-17	PZ-30	A	H-15
6-18	MW-1044	A	I-17	PZ-3	A	H-14	PZ-31	B	H-15
6-14	MW-1045	B	I-17	PZ-4	B	H-14	PZ-32	QBC	H-15
6-13	MW-1046	C	I-17	PZ-5	A	H-15	PZ-33	C	H-15
6-9	MW-1047	D	I-17	PZ-6	B	H-15	PZ-34	C	H-15
6-17	MW-1048	D	I-17	PZ-7	C	H-15	PZ-35	QCD	H-15
6-17	MW-1049	A	H-19	PZ-8	A	H-14	PZ-36	D	H-15
6-17	MW-1050	B	H-19	PZ-9	C	H-14	PZ-37	B	N-12
6-19	MW-1051	C	H-19	PZ-10	C	H-14	PZ-38	B	M-15
6-19	MW-1052	D	H-19	PZ-11	A	H-15	PZ-1000	A	H-19
6-19	MW-1053	A	G-20	PZ-12	B	H-15	PZ-1001	B	H-19
6-7	MW-1054	A	H-18	PZ-13	C	H-15			
6-7	MW-1055	B	H-18	PZ-14	A	H-15			
6-7	MW-1056	C	H-18	PZ-15	A	H-14			
6-10	MW-1057	D	H-18	PZ-16	B	H-14			
6-9	MW-1058	A	P-15	PZ-17	C	H-14			
6-10	MW-1059	B	P-15	PZ-18	A	J-15			
6-13	MW-1060	C	P-15	PZ-19	QAB	J-15			
6-15	MW-1061	A	N-17	PZ-20	B	J-15			
6-15	MW-1062	B	N-17	PZ-21	QBC	J-15			
6-15	MW-1063	C	N-17	PZ-22	B	H-14			
6-13	MW-1064	A	F-6	PZ-23	C	H-14			
6-19	MW-1065	B	Q-13	PZ-24	A	H-14			

Mc
and

McC

LATEST R
 GENERATE
 PEER REV
 PROJECT

28

VRL BW1 BWINDEX/BW 11/14/91

C SCREENED IN THE C ZONE
 ICD SCREENED IN AN INTERMEDIATE ZONE
 BETWEEN THE C AND D ZONES
 QCD SCREENED IN THE AQUITARD BETWEEN
 THE C AND D ZONES
 D SCREENED IN THE D ZONE
 E SCREENED IN THE E ZONE
 ATE SCREENED IN ZONES A THROUGH E
 ATF SCREENED IN ZONES A THROUGH F



O

P

Q

ZONE GRID

25 A H-14
 26 B H-14
 27 C H-14
 28 B H-13
 29 C H-13
 30 A H-15
 31 B H-15
 32 QBC H-15
 33 C H-15
 34 C H-15
 35 QCD H-15
 36 D H-15
 37 B N-12
 38 B M-15
 000 A H-19
 001 B H-19

Plate 1.

Location of
 Piezometers and
 Monitoring, Extraction,
 and Water Supply Wells.

November 1991

McClellan Air Force Base

LATEST REVISION: *VRL* DATE: 11/21/91
 GENERATED BY: *VRL* DATE: 11/21/91
 PEER REVIEW: *Jala P. Thompson* DATE: 11/21/91
 PROJECT REVIEW: *Dennis Smith* DATE: 11/21/91

RADIAN
 CORPORATION

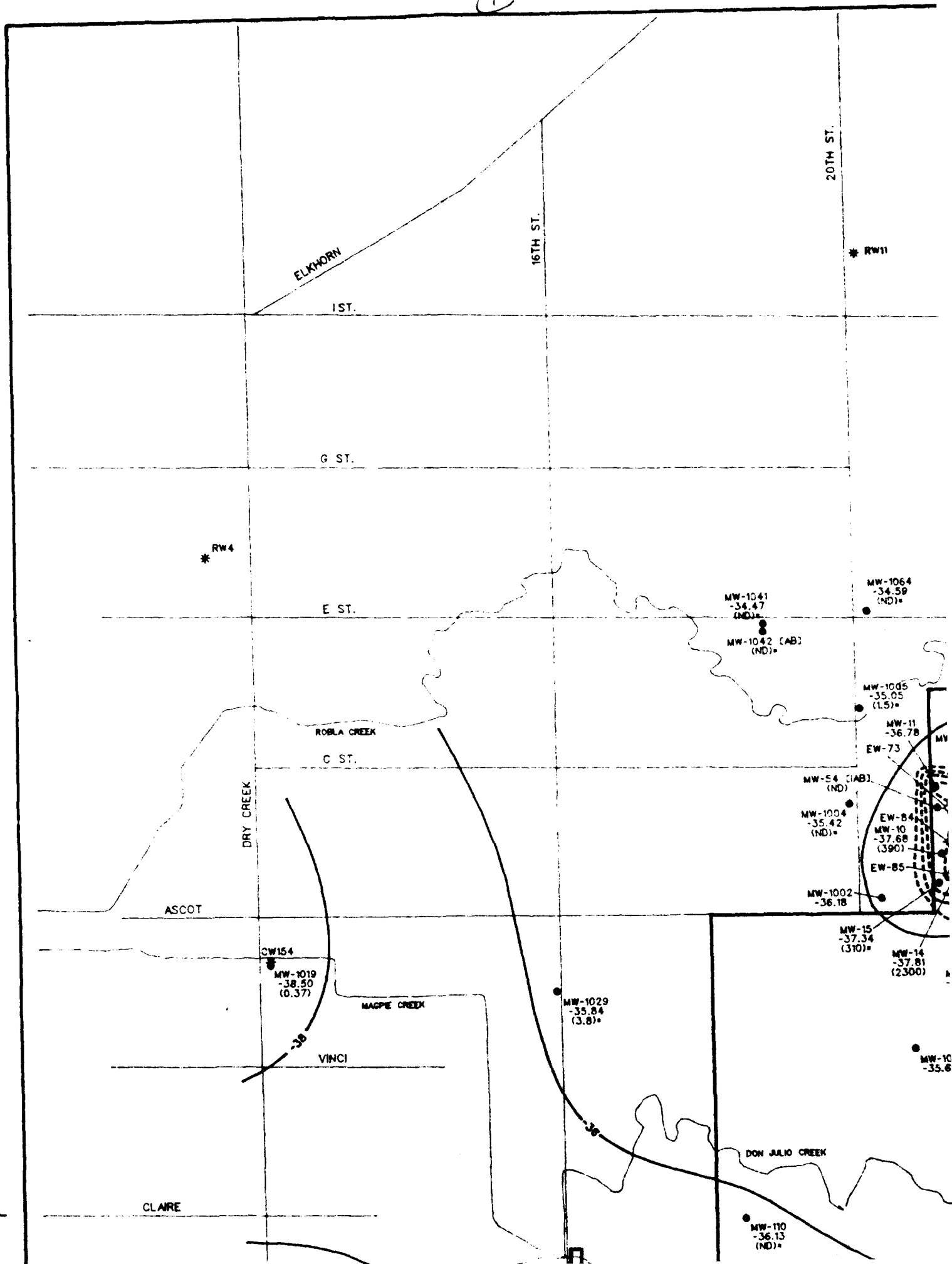
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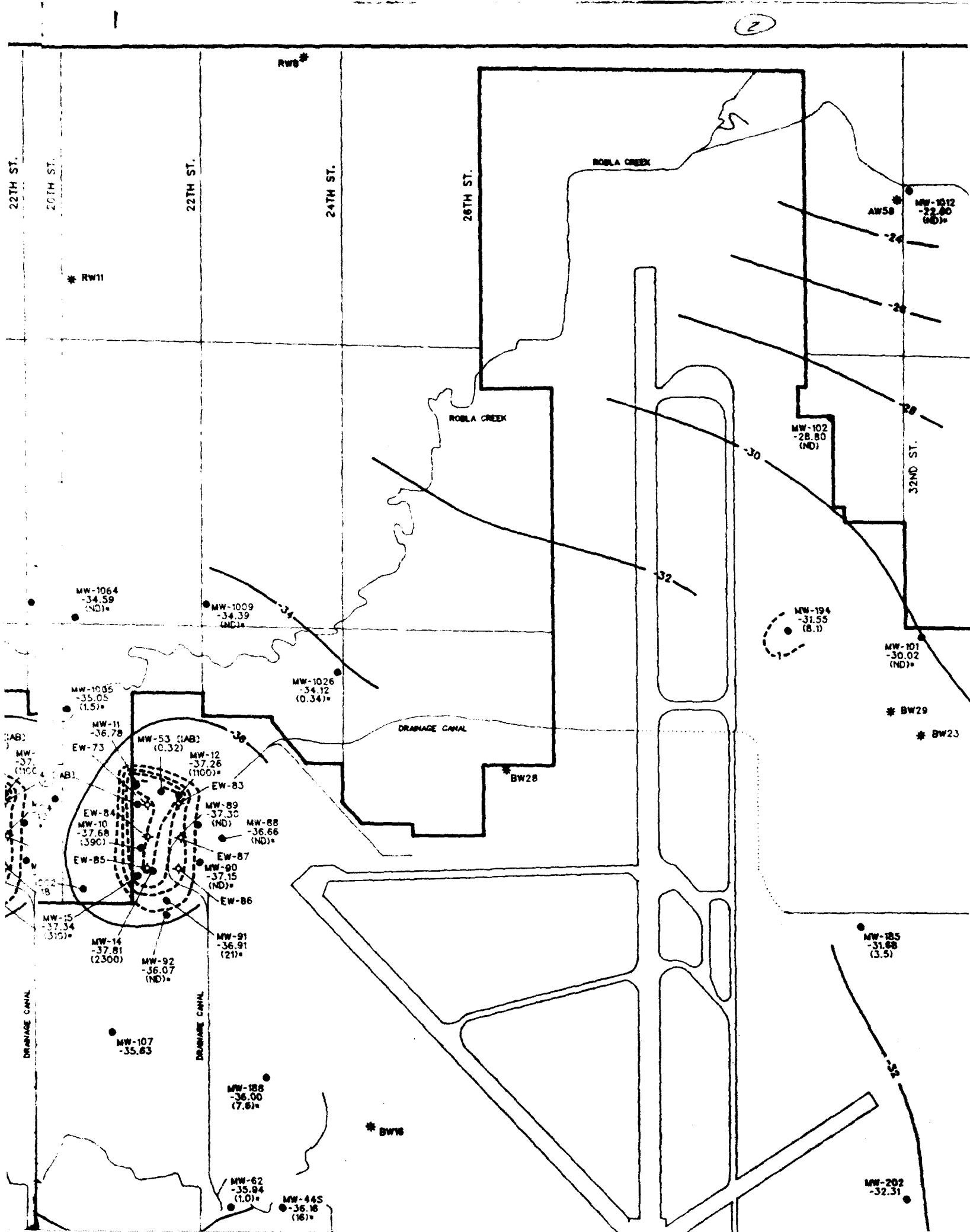
VRL BW1 BWINDEX/BW 11/14/91

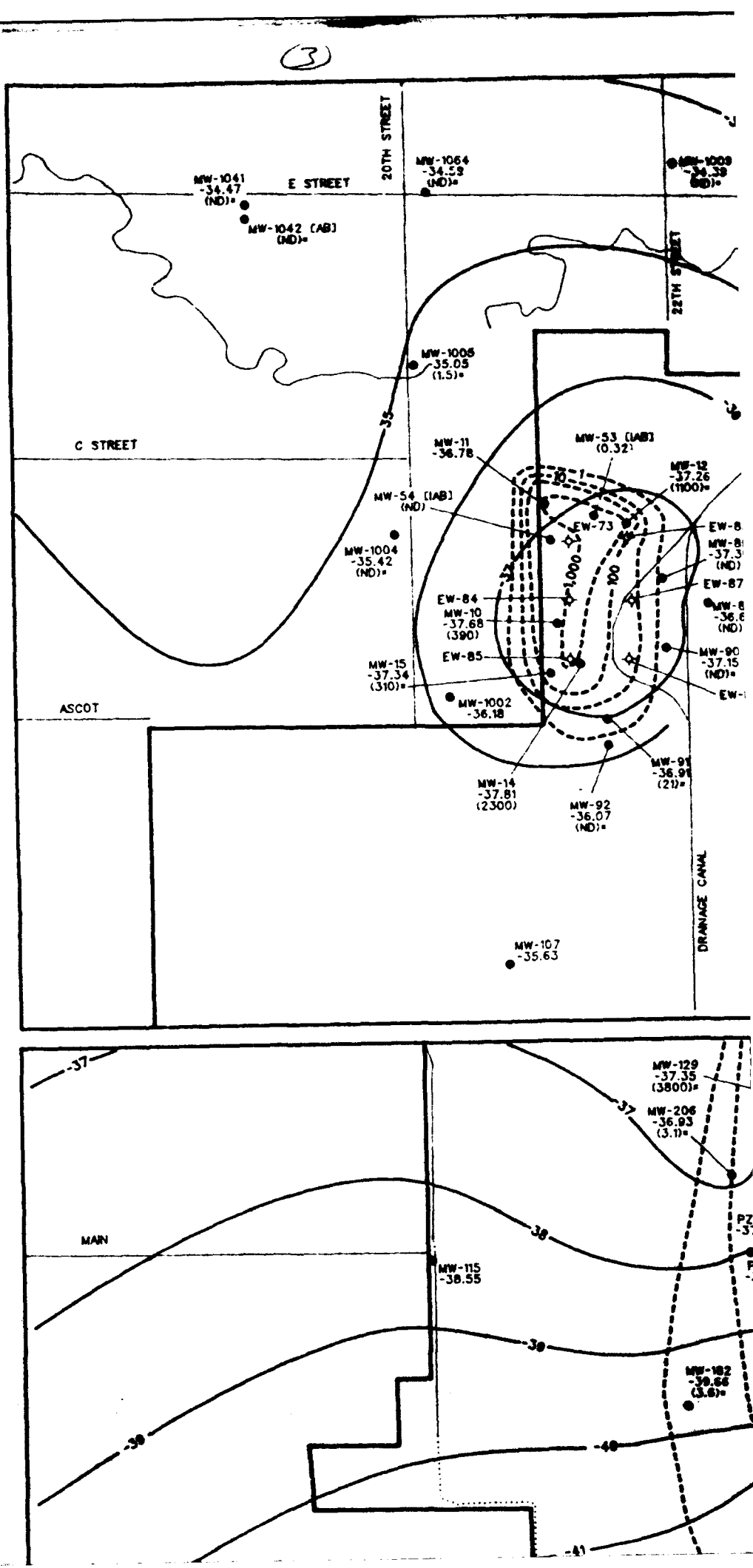
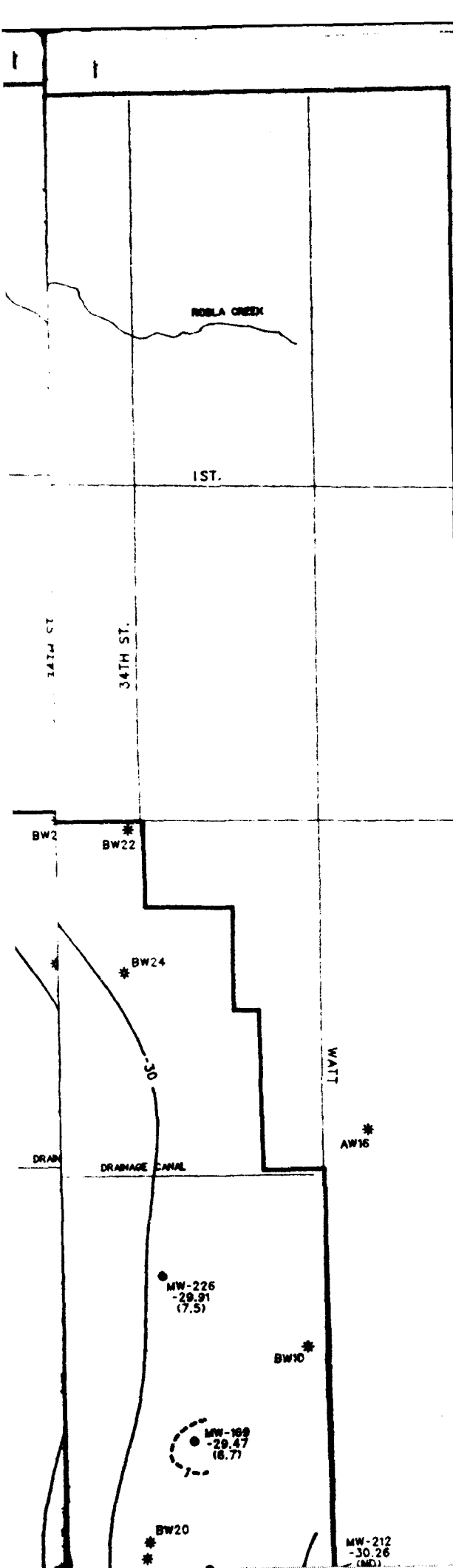
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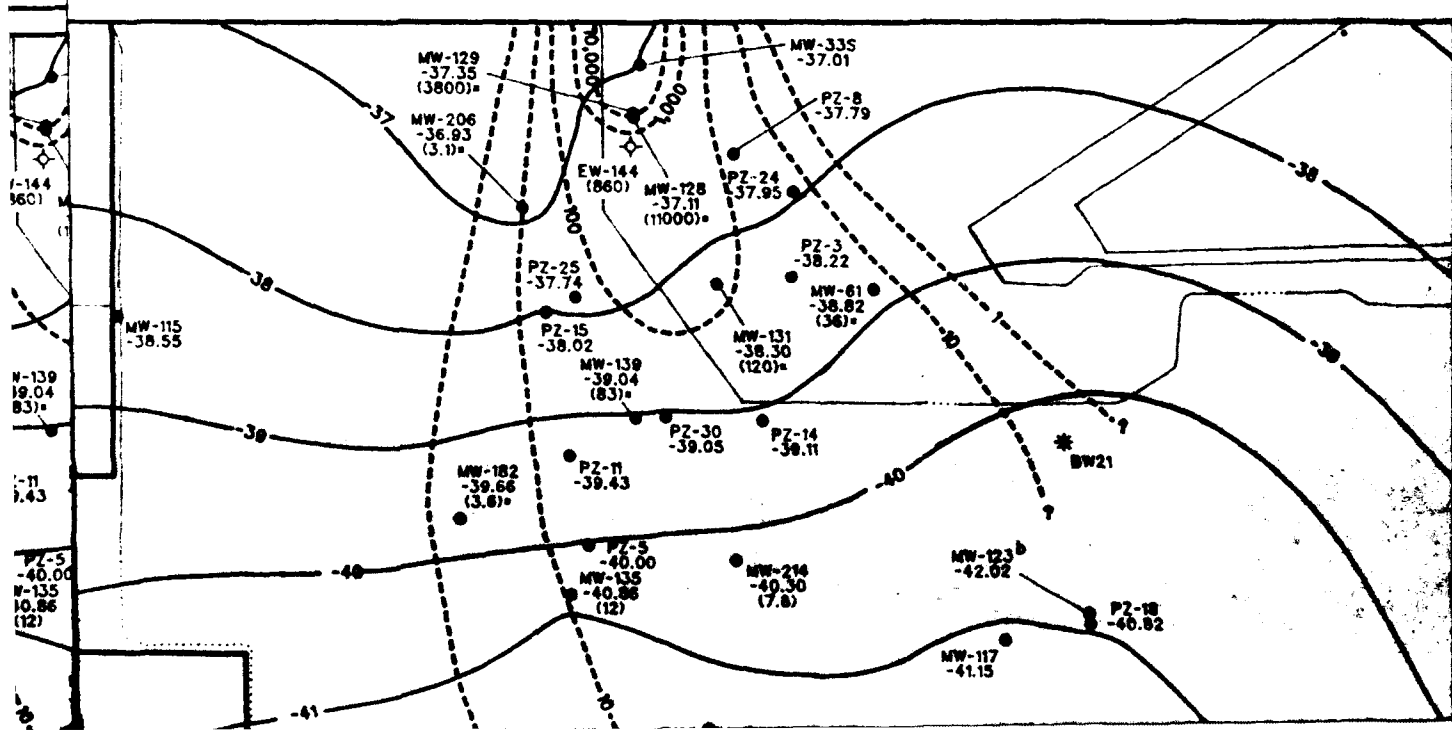
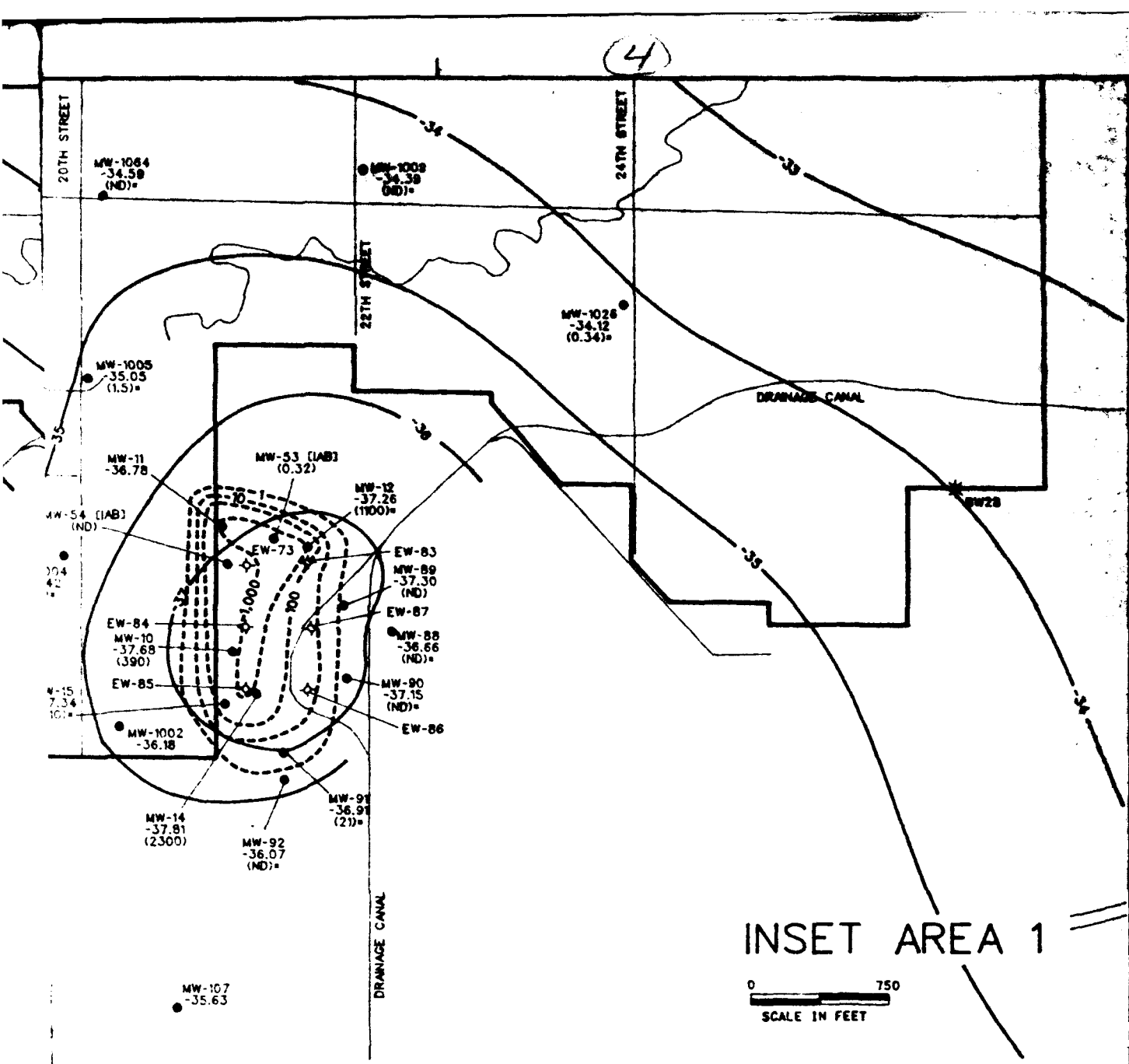
MW-189
 -35.88
 (30)

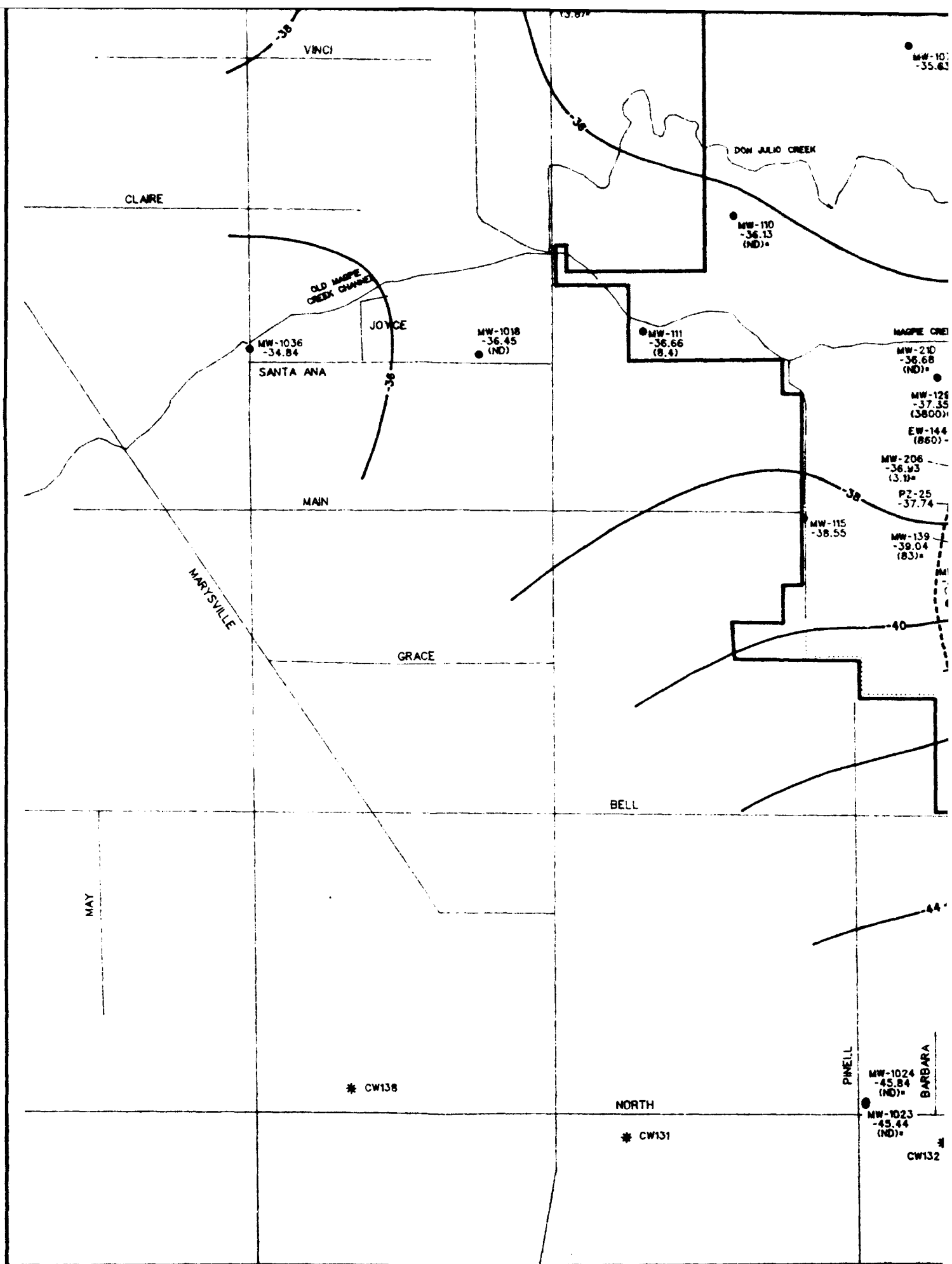
* BW16

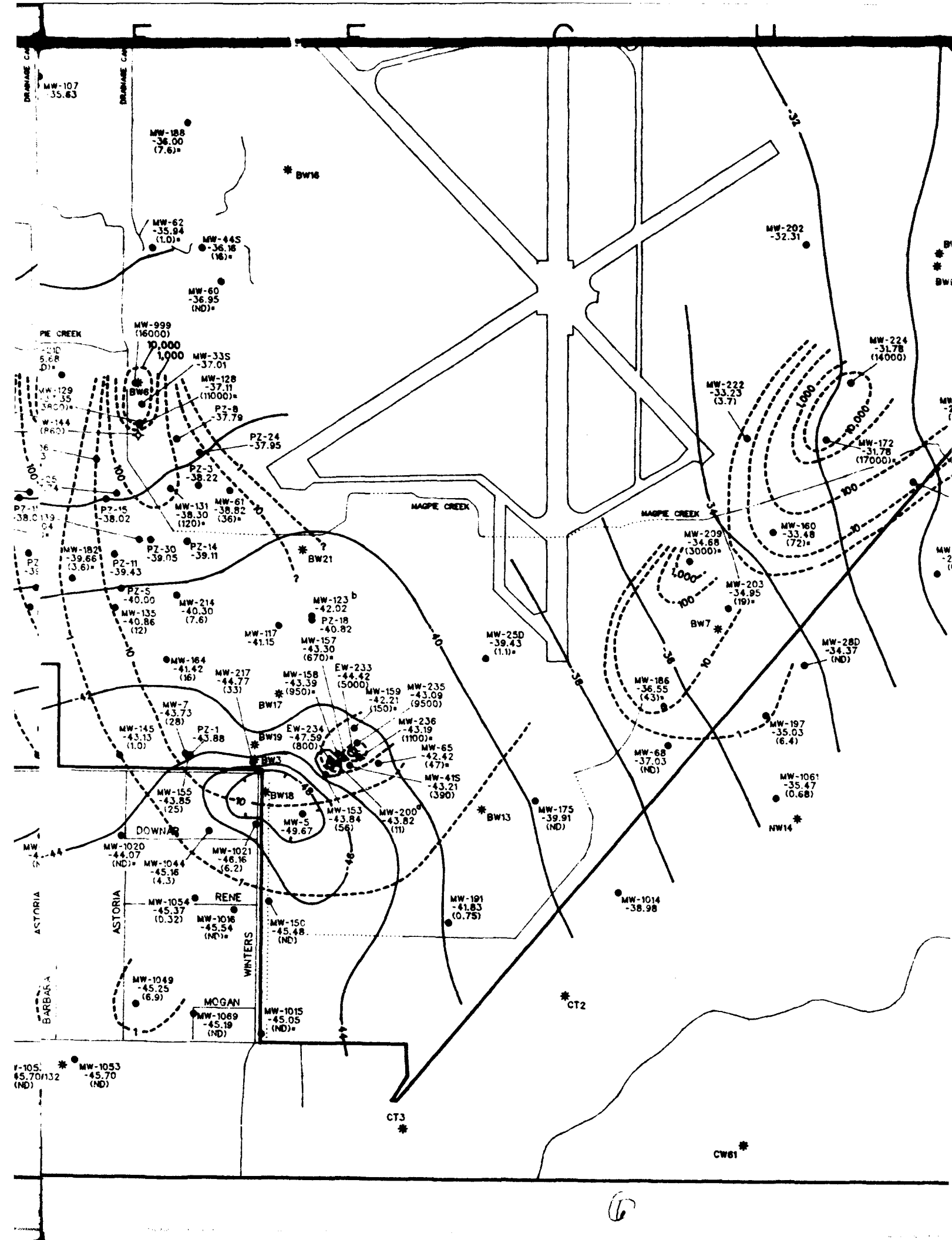


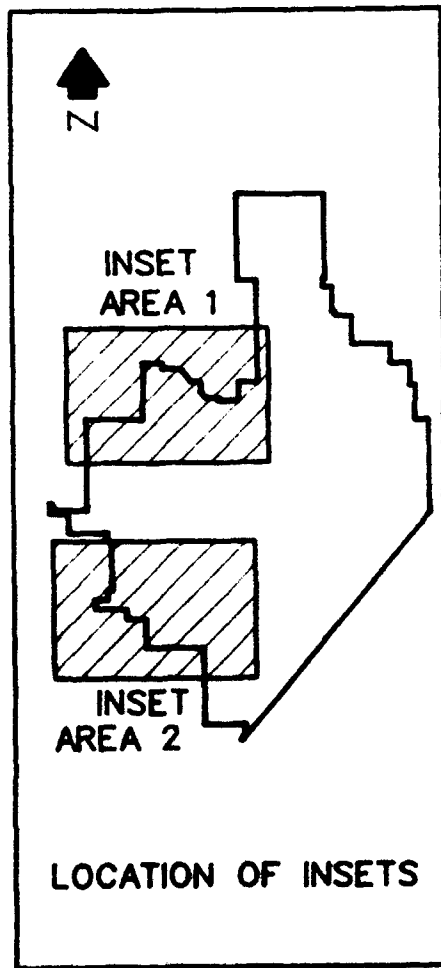
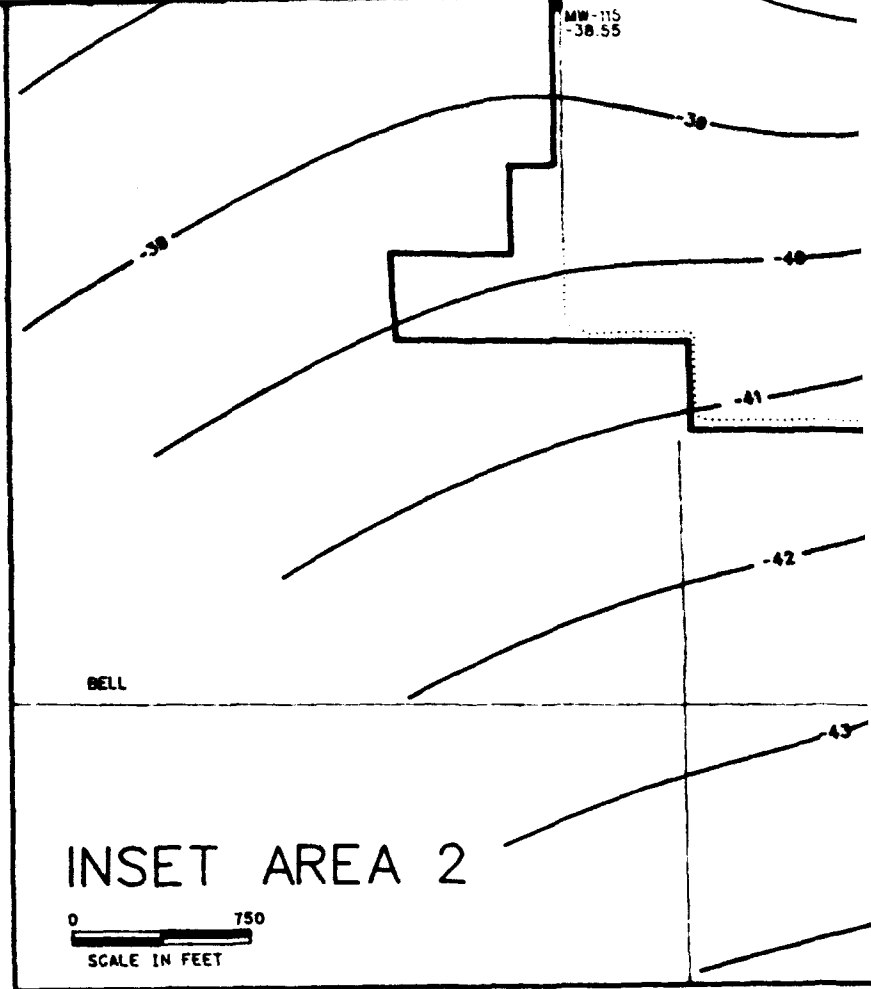
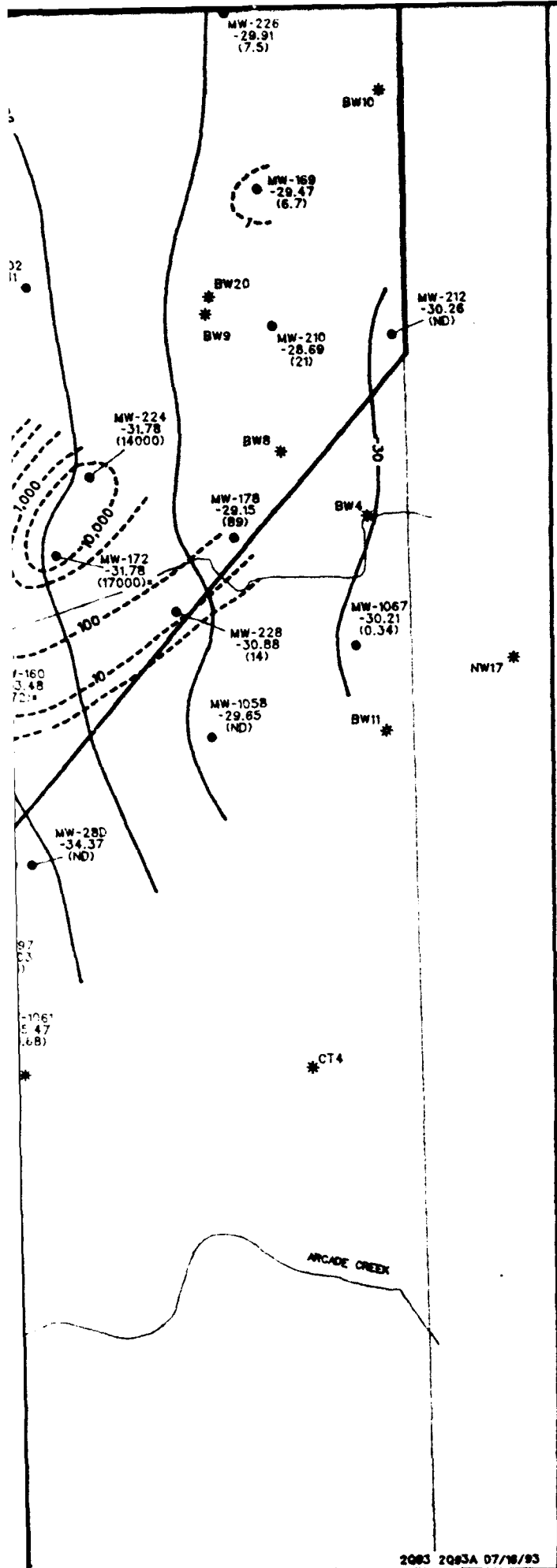








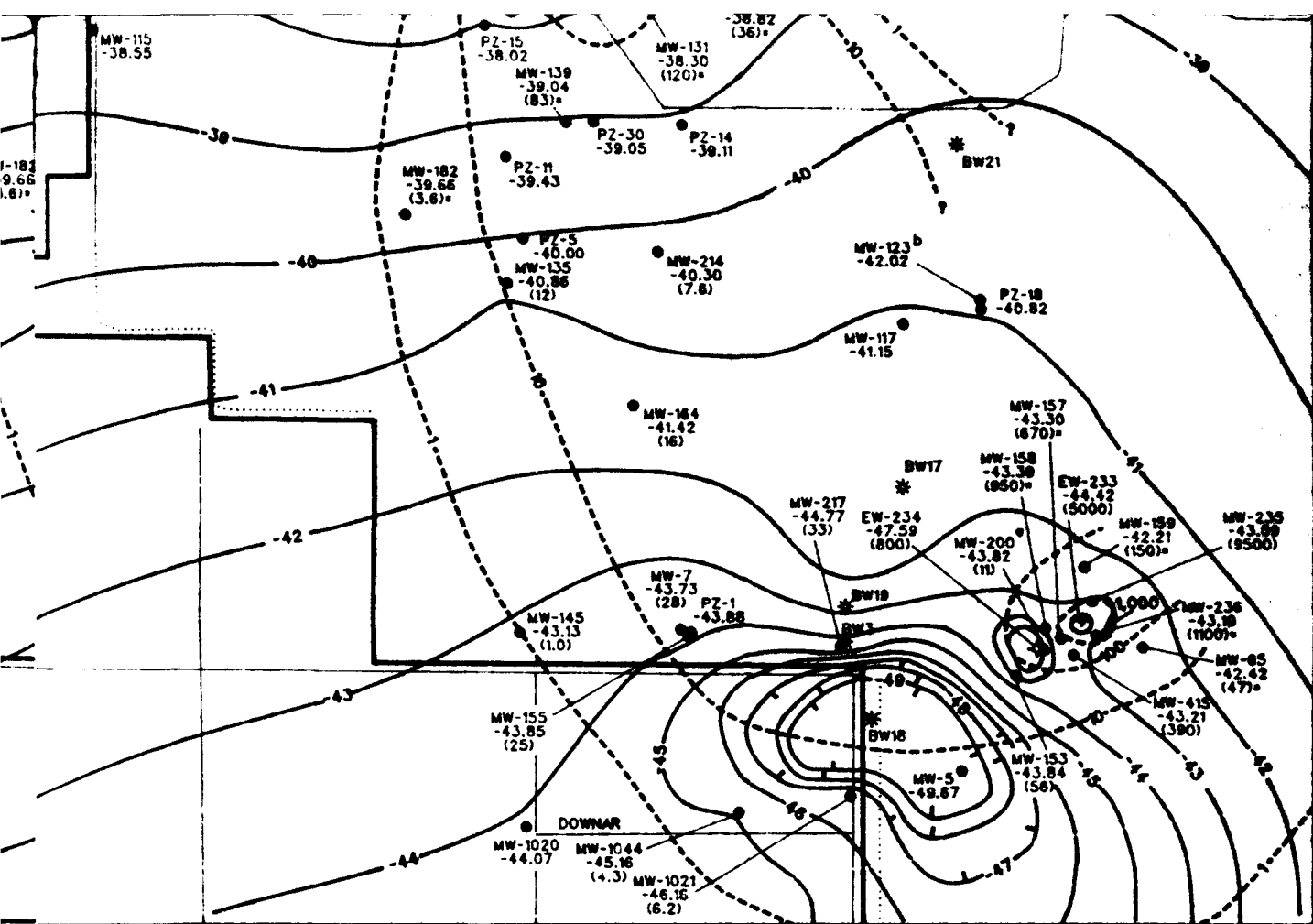




- LEGEND:**
- McCLELLAN AFB BOUNDARY
 - STREAMS/DRAINAGE (DOTS)
 - ◇ EXTRACTION WELLS
 - MONITORING WELLS AND P
 - * WATER SUPPLY WELLS (H)
 - * WATER SUPPLY WELLS (A)
 - 42— WATER LEVEL CONTOURS
HACHURES INDICATE DOWN
 - (5.8) TCE CONCENTRATIONS IN
DURING 2Q93.
 - (1.2)* TCE CONCENTRATIONS IN
PRIOR TO 2Q93, BUT USE
 - (ND) TCE NOT DETECTED.
 - (AB) WELL SCREENED IN BOTH
 - (IAB) INTERMEDIATE WELL SCREI
A AND B ZONES. TCE CON
DRAW A ZONE TCE ISOPL
 - ESTIMATED ISOPLATH OF
USING DATA FROM JULY, 1
MARCH, 1993. ISOPLATH IN
 - a TCE VALUE NOT USED TO
MW-200'S SCREEN IS 10.5
IN WELLS NEARBY. TCE V
 - b NOT USED TO GENERATE

NOTE:
WATER LEVEL CONTOURS GENERATED BY
BY HAND. ONLY WELLS WITH WATER LEV
USED FOR CONTOURING. GROUNDWATER DI
CENTERED ON PUMPING WELLS BECAUSE
NOT MEASURED.





LEGEND:

- McCLELLAN AFB BOUNDARY
- STREAMS/DRAINAGE (DOTTED WHERE COVERED)
- ◇ EXTRACTION WELLS
- MONITORING WELLS AND PIEZOMETERS
- * WATER SUPPLY WELLS (INACTIVE)
- * WATER SUPPLY WELLS (ACTIVE)
- 42— WATER LEVEL CONTOURS IN FEET MSL. HACHURES INDICATE DOWNGRAIDENT DIRECTION.
- (5.8) TCE CONCENTRATIONS IN ug/L. SAMPLES COLLECTED DURING 2Q93.
- (1.2)* TCE CONCENTRATIONS IN ug/L. SAMPLES COLLECTED PRIOR TO 2Q93, BUT USED TO DRAW TCE ISOPLETH.
- (ND) TCE NOT DETECTED.
- (AB) WELL SCREENED IN BOTH ZONES DESIGNATED
- (IAB) INTERMEDIATE WELL SCREENED BETWEEN THE B AND A ZONES. TCE CONCENTRATIONS USED TO DRAW A ZONE TCE ISOPLETH ONLY.
- ESTIMATED ISOPLETH OF TCE CONCENTRATIONS USING DATA FROM JULY, 1991 THROUGH MARCH, 1993. ISOPLETH INTERVAL: 10 ug/L.
- a TCE VALUE NOT USED TO DRAW TCE ISOPLETH. MW-200'S SCREEN IS 10.5 FEET BELOW SCREENS IN WELLS NEARBY. TCE VALUE NOT COMPARABLE.
- b NOT USED TO GENERATE WATER LEVEL CONTOUR

WATER LEVEL CONTOURS GENERATED BY CPS/PC® AND CORRECTED BY HAND. ONLY WELLS WITH WATER LEVEL VALUES SHOWN WERE USED FOR CONTOURING. GROUNDWATER DEPRESSIONS MAY NOT BE CENTERED ON PUMPING WELLS BECAUSE THEIR WATER LEVELS ARE NOT MEASURED.



0 1000
SCALE IN FEET

PLATE 2.

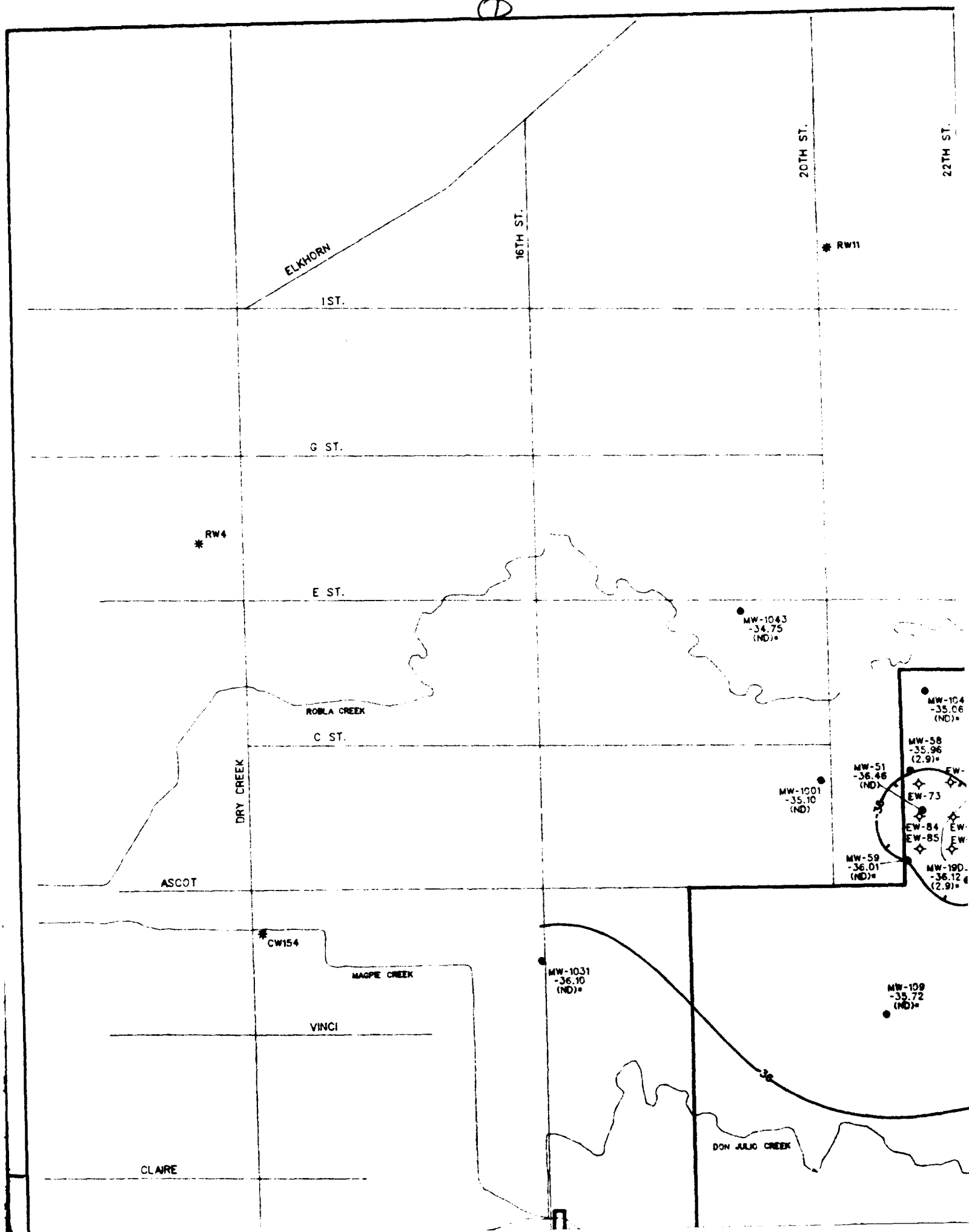
WATER LEVEL CONTOURS AND ESTIMATED TRICHLOROETHENE CONCENTRATION ISOPLETHS FOR A-ZONE MONITORING

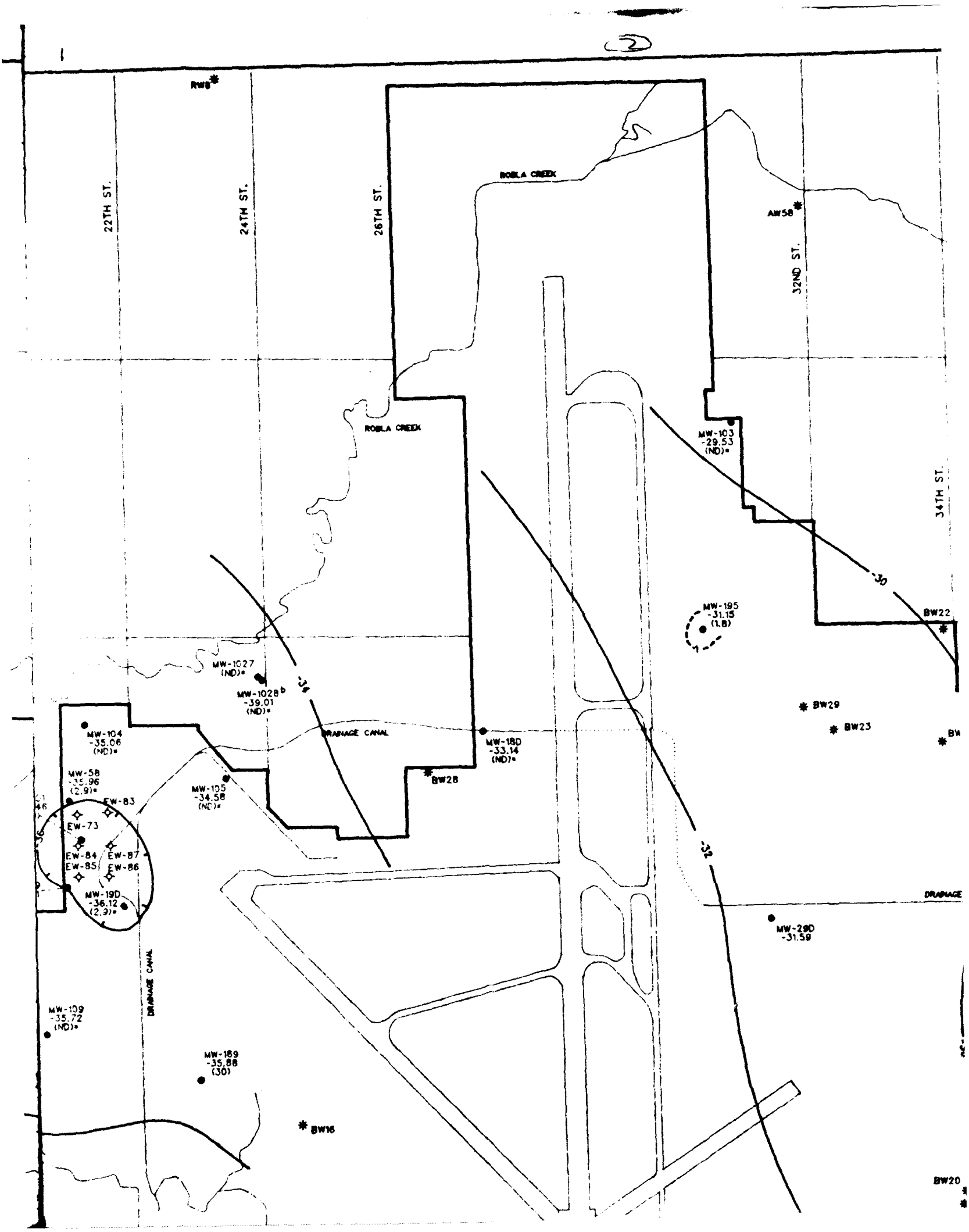
AND EXTRACTION WELLS
Water Level Data Collected
March 31, April 1, and 2, 1993
TCE Data Collected First Quarter 1993

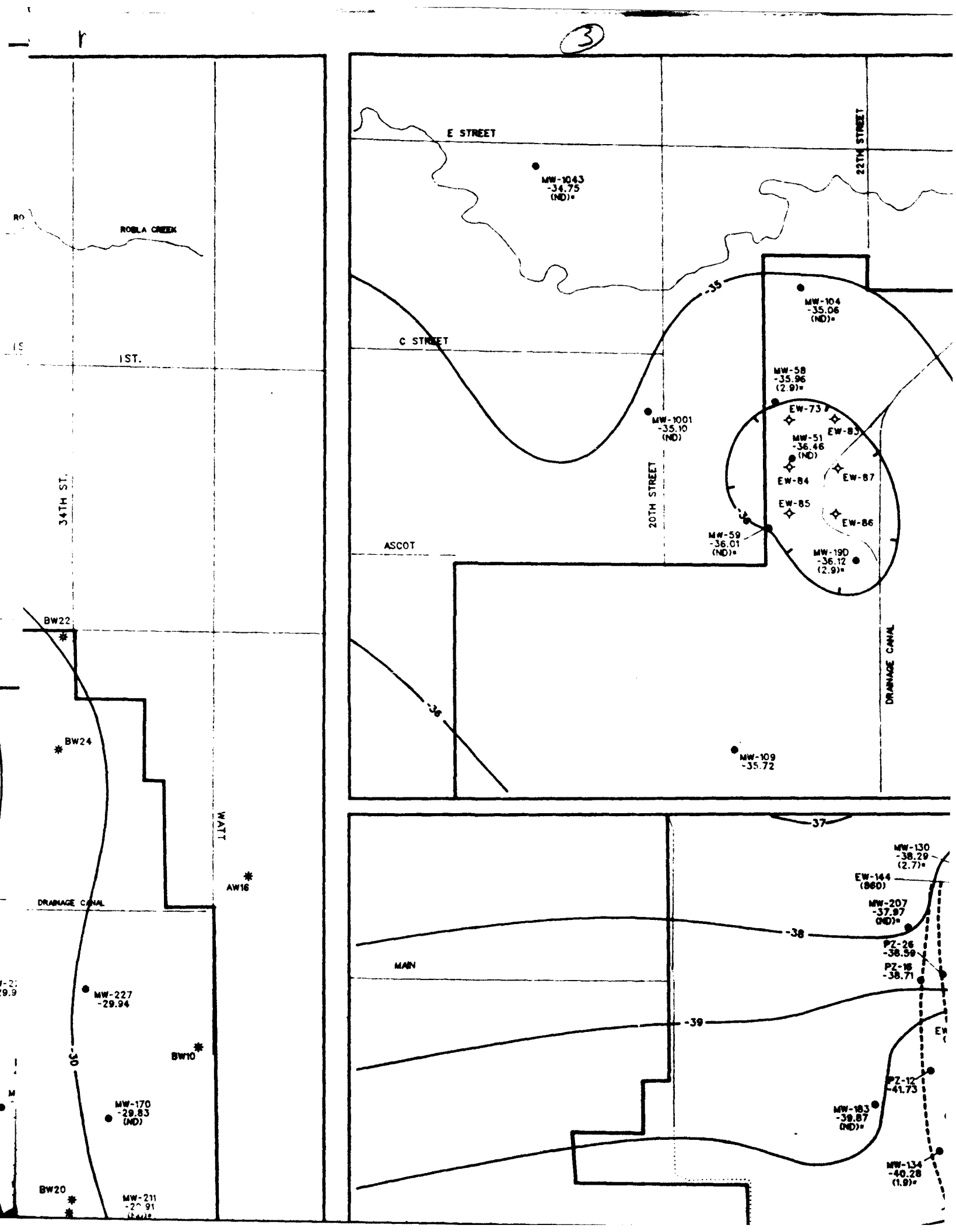
McCLELLAN AFB
Groundwater Sampling
& Analysis Program
April-June 1993

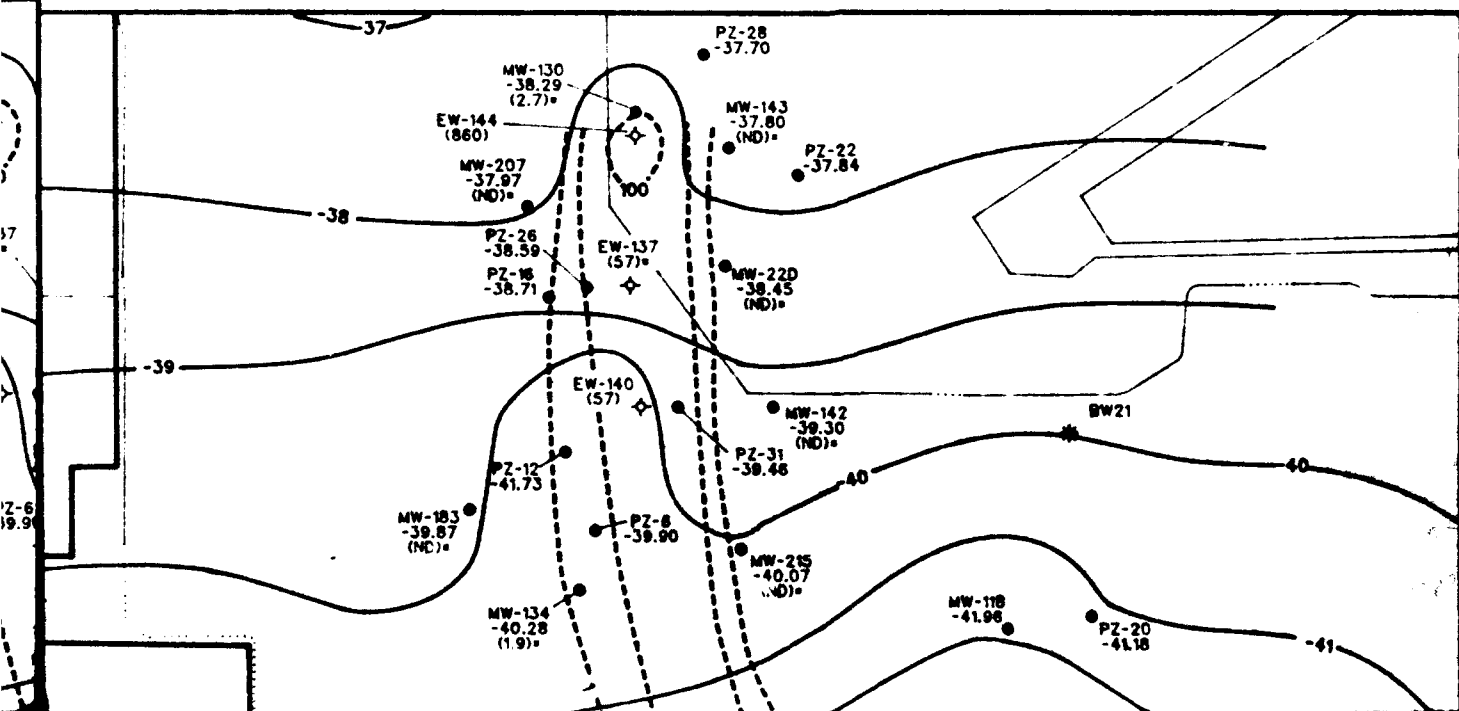
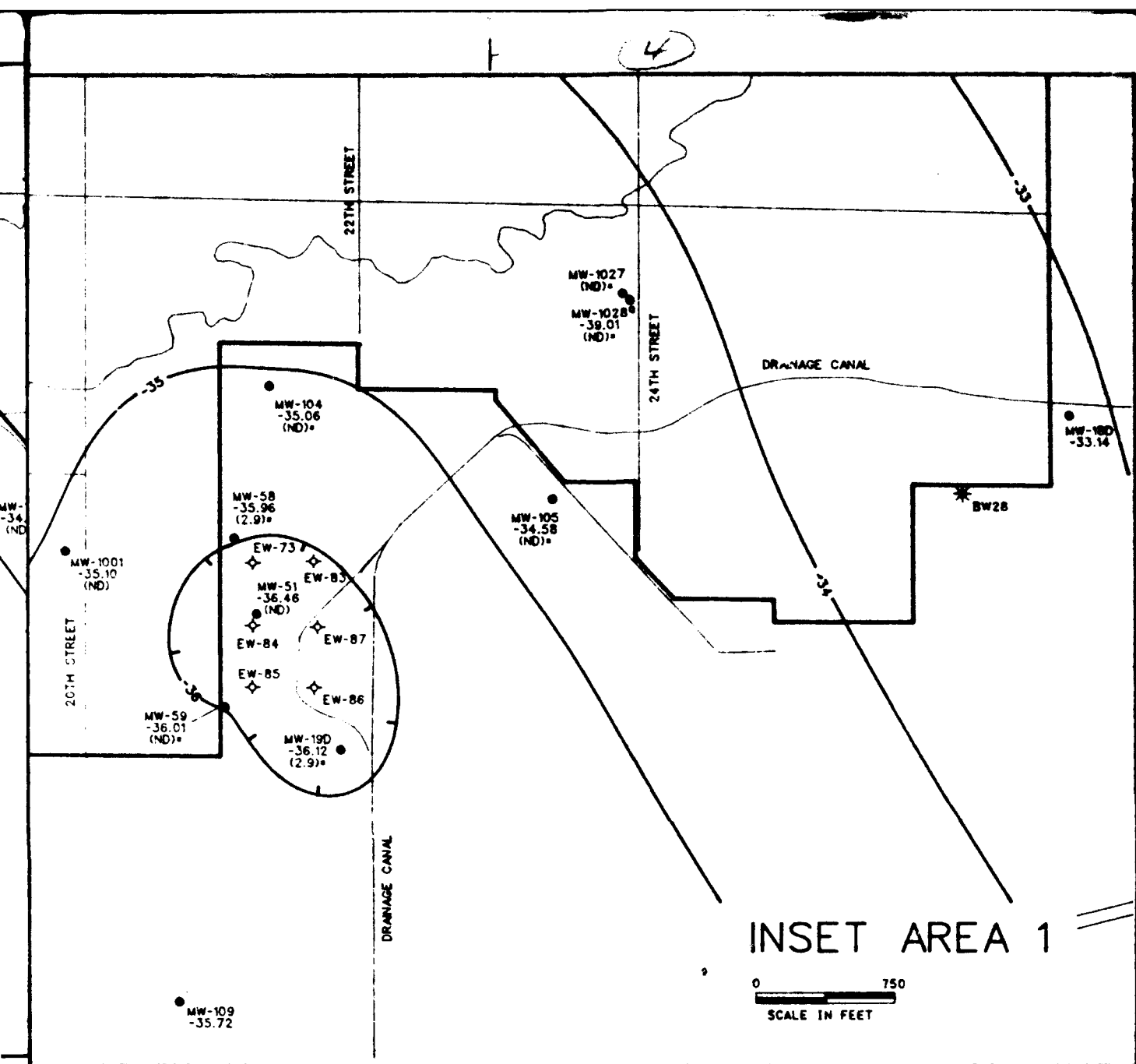
LATEST REVISION: VRL	DATE: 4-21-92
GENERATED BY: Mark W. Little	DATE: 7-16-93
PEER REVIEW: Thomas F. Cichy	DATE: 7-16-93
PROJECT REVIEW: H. K. Behl	DATE: 7/16/93

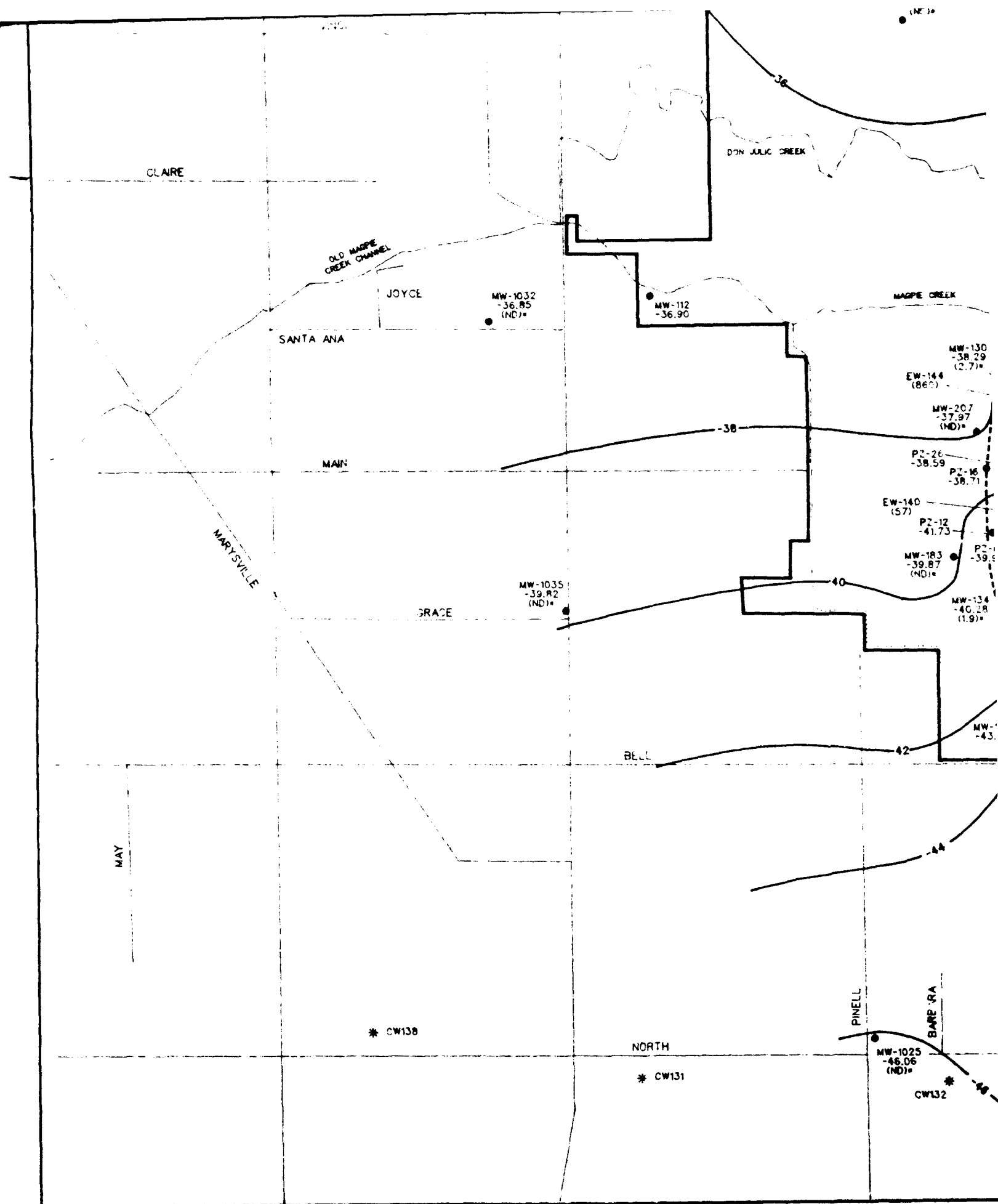
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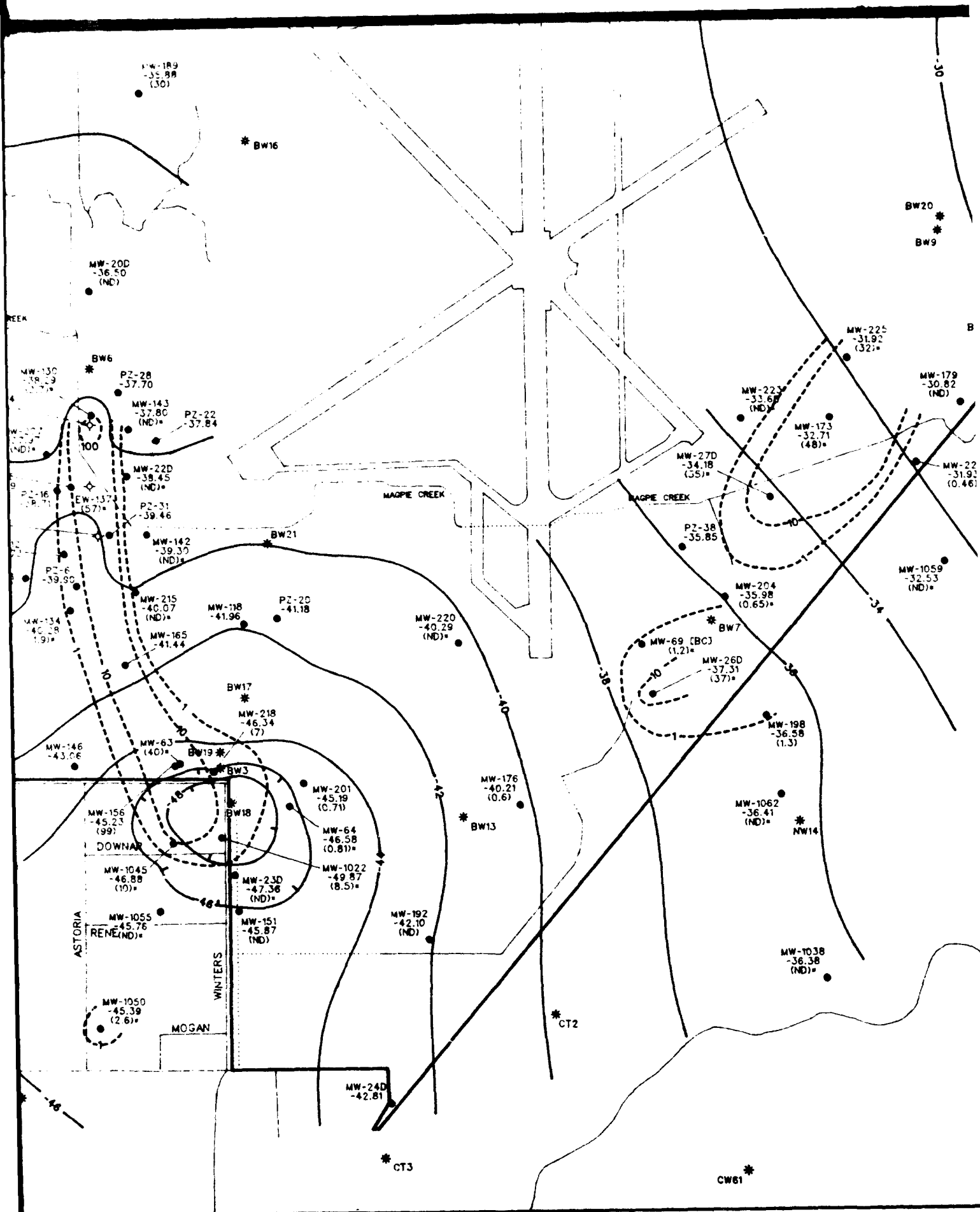


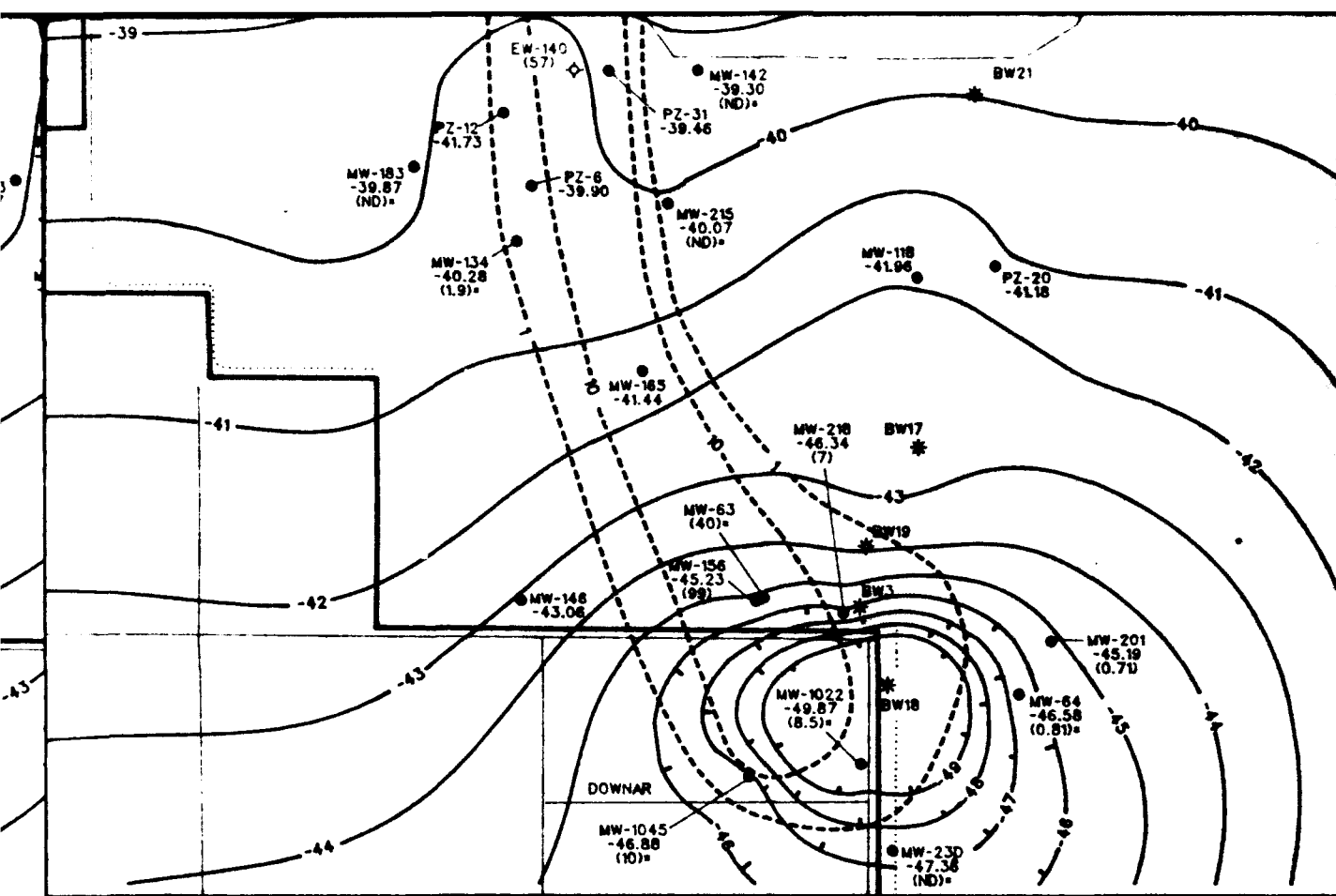












LEGEND:

- McCLELLAN AFB BOUNDARY
- STREAMS/DRAINAGE (DOTTED WHERE COVERED)
- ◇ EXTRACTION WELLS
- MONITORING WELLS AND PIEZOMETERS
- * WATER SUPPLY WELLS (INACTIVE)
- * WATER SUPPLY WELLS (ACTIVE)
- 42- WATER LEVEL CONTOURS IN FEET MSL. HACHURES INDICATE DOWNGRADIENT DIRECTION.
- (0.8) TCE CONCENTRATIONS IN ug/L. SAMPLES COLLECTED DURING 2Q93.
- (1.2)* TCE CONCENTRATIONS IN ug/L. SAMPLES COLLECTED PRIOR TO 2Q93, BUT USED TO DRAW TCE ISOPLETH.
- (ND) TCE NOT DETECTED.
- (BC) WELL SCREENED IN BOTH ZONES DESIGNATED.
- ESTIMATED ISOPLETH OF TCE CONCENTRATIONS. USING DATA FROM JULY, 1991 THROUGH MARCH 1993. ISOPLETH INTERVAL: 10 ug/L.
- b NOT USED TO GENERATE WATER LEVEL CONTOUR
- TES: WATER LEVEL CONTOURS GENERATED BY CPS/PC AND CORRECTED BY HAND. ONLY WELLS WITH WATER LEVELS SHOWN WERE USED FOR CONTOURING. GROUNDWATER DEPRESSIONS MAY NOT BE CENTERED ON PUMPING WELLS BECAUSE THEIR WATER LEVELS ARE NOT MEASURED.

PLATE 3.

**WATER LEVEL CONTOURS AND
ESTIMATED TRICHLOROETHENE
CONCENTRATION ISOPLETHS FOR
B-ZONE MONITORING
AND EXTRACTION WELLS**
Water Level Data Collected
March 31, April 1, and 2, 1993
TCE Data Collected First Quarter 1993

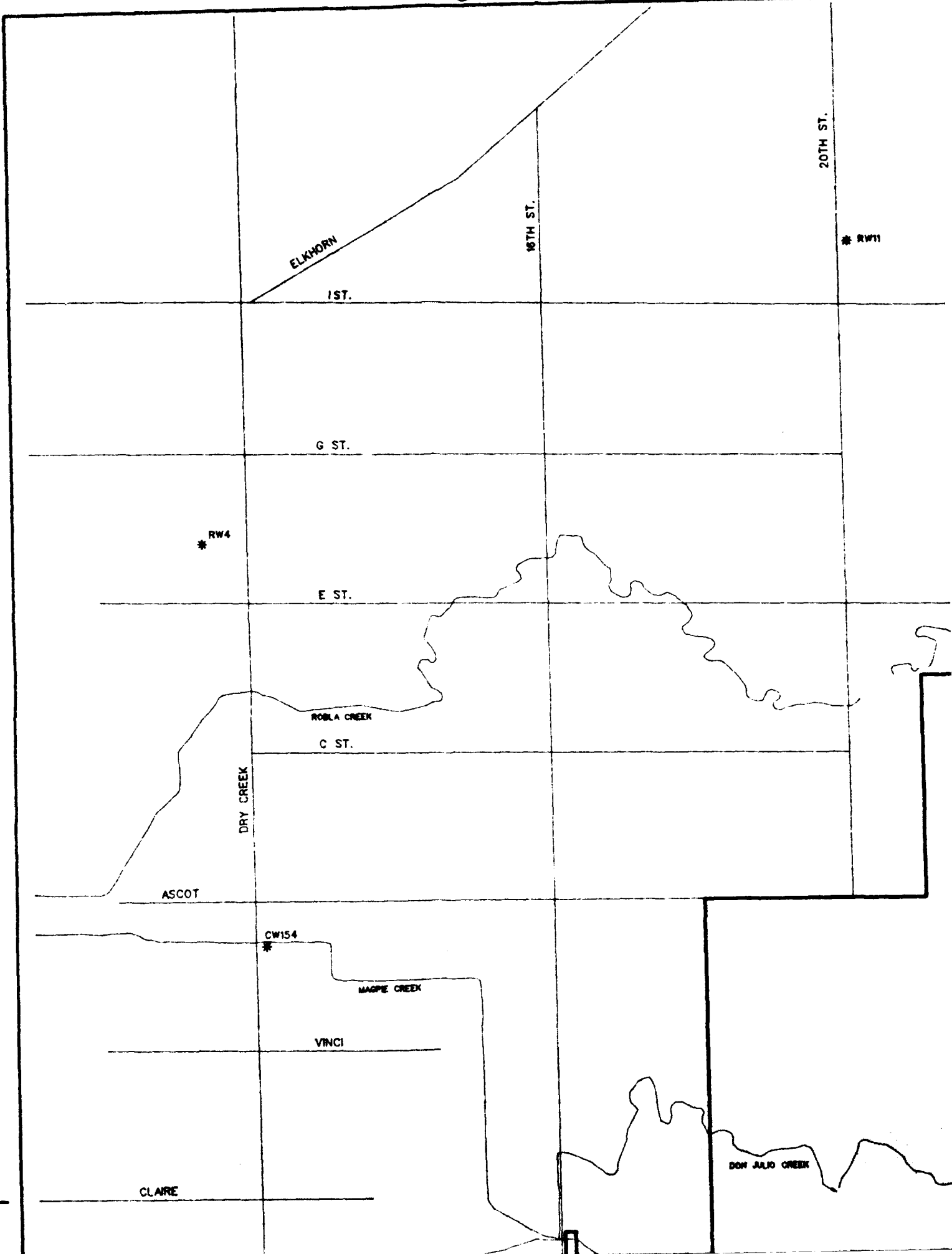
**McCLELLAN AFB
Groundwater Sampling
& Analysis Program
April-June 1993**

LATEST REVISION: VRL	DATE: 4-21-92
GENERATED BY: <i>Mark W. Little</i>	DATE: 7-16-93
PEER REVIEW: <i>Thomas F. Ditzel</i>	DATE: 7-16-93
PROJECT REVIEW: <i>Stephen K. W.</i>	DATE: 7/16/93

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RWB*

22TH ST.

24TH ST.

26TH ST.

32ND ST.

* RW11

* AW58

ROSLA CREEK

ROSLA CREEK

MW-196
-31.04

* BW29

* BW23

DRAINAGE CANAL

* BW26

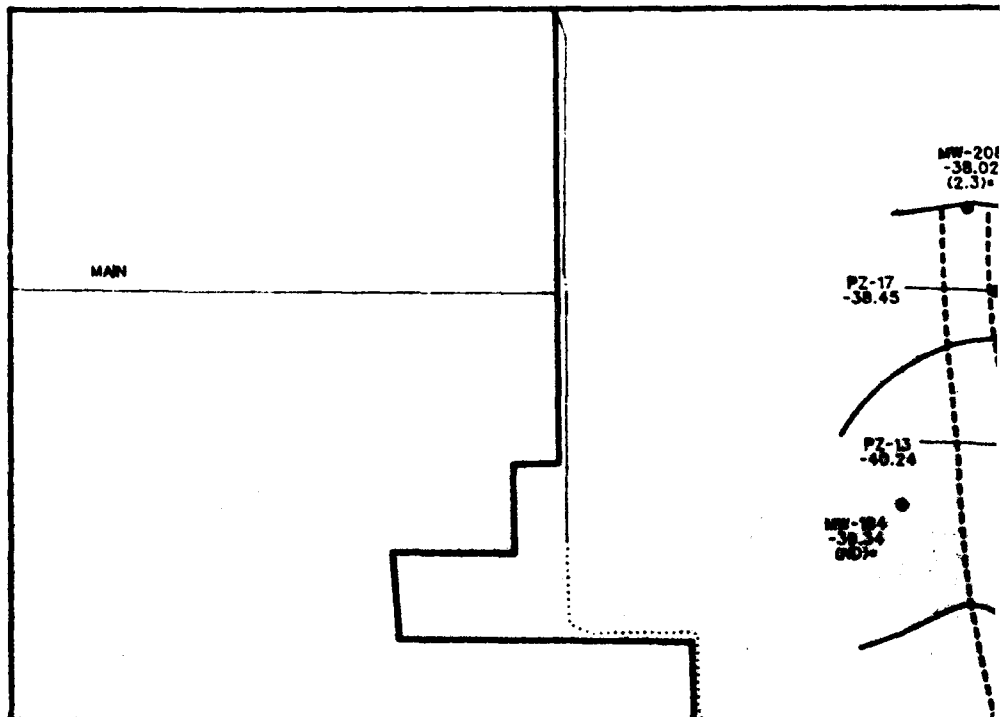
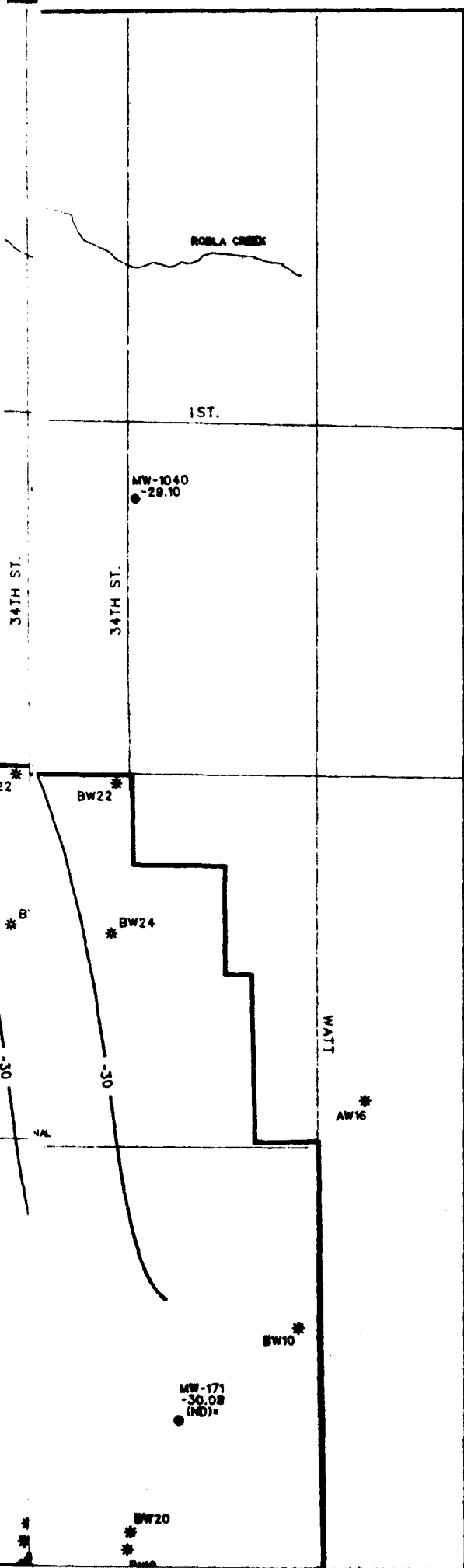
DRAINAGE CANAL

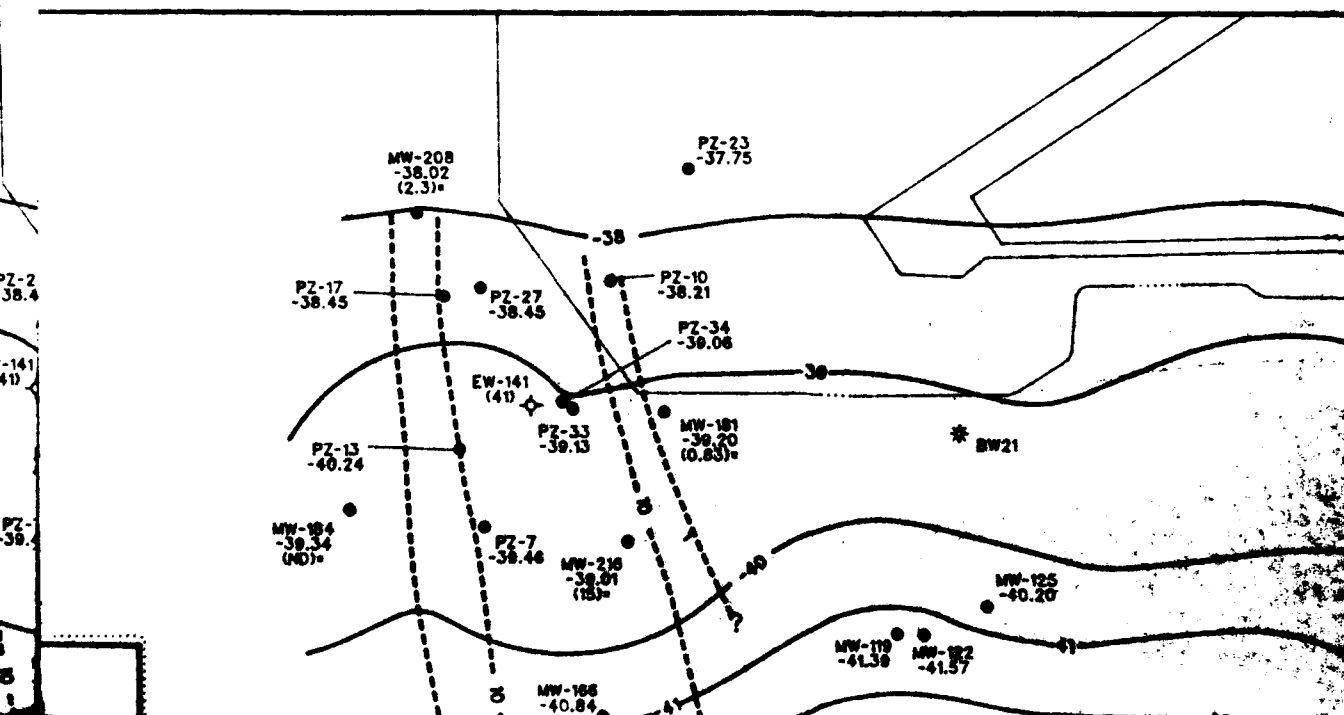
DRAINAGE CANAL

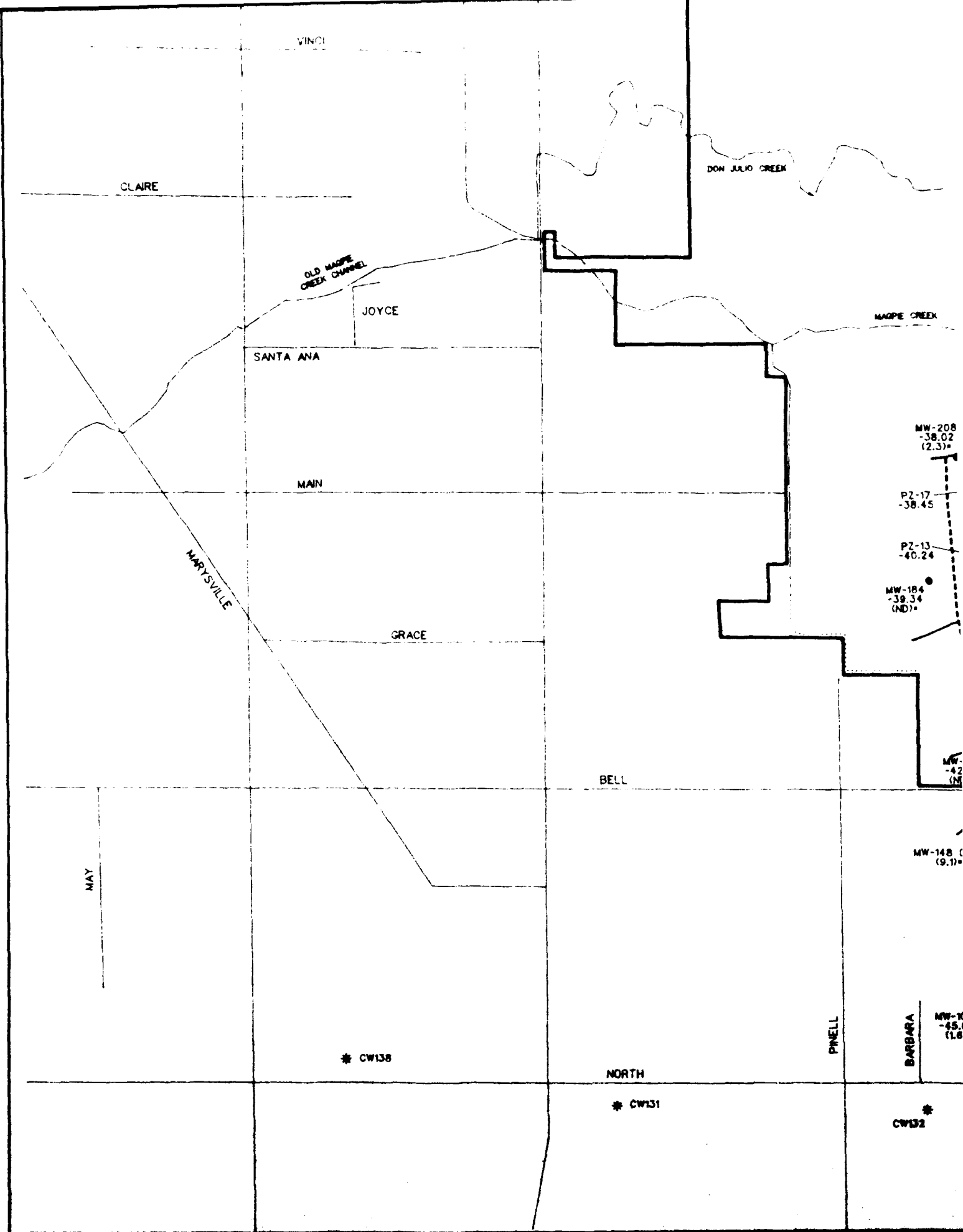
MW-190
-35.56
(ND)*

* BW15

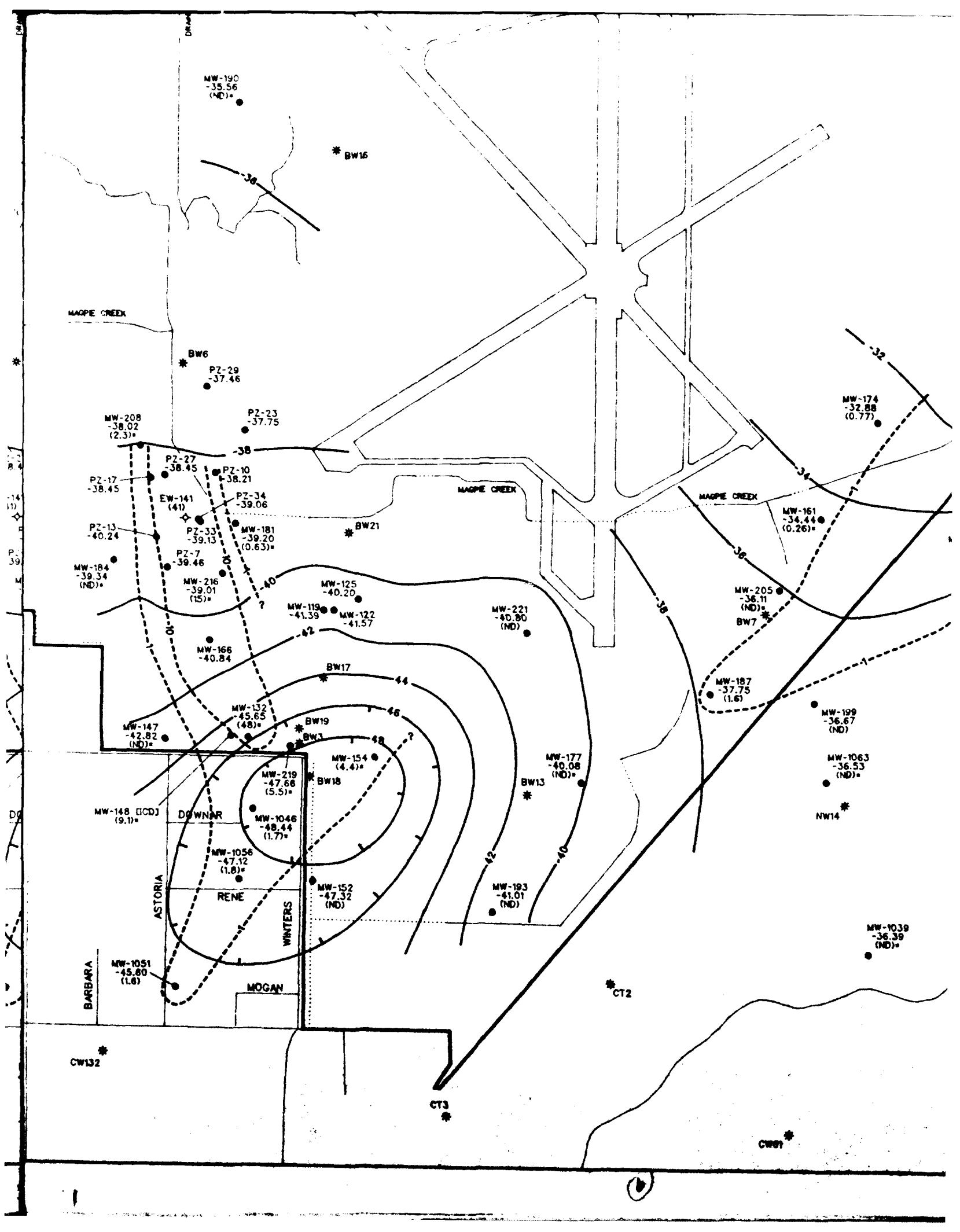
-30

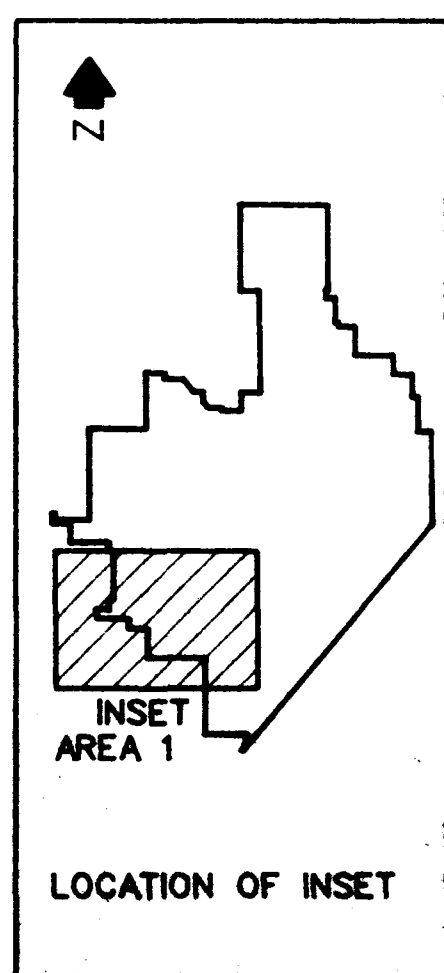
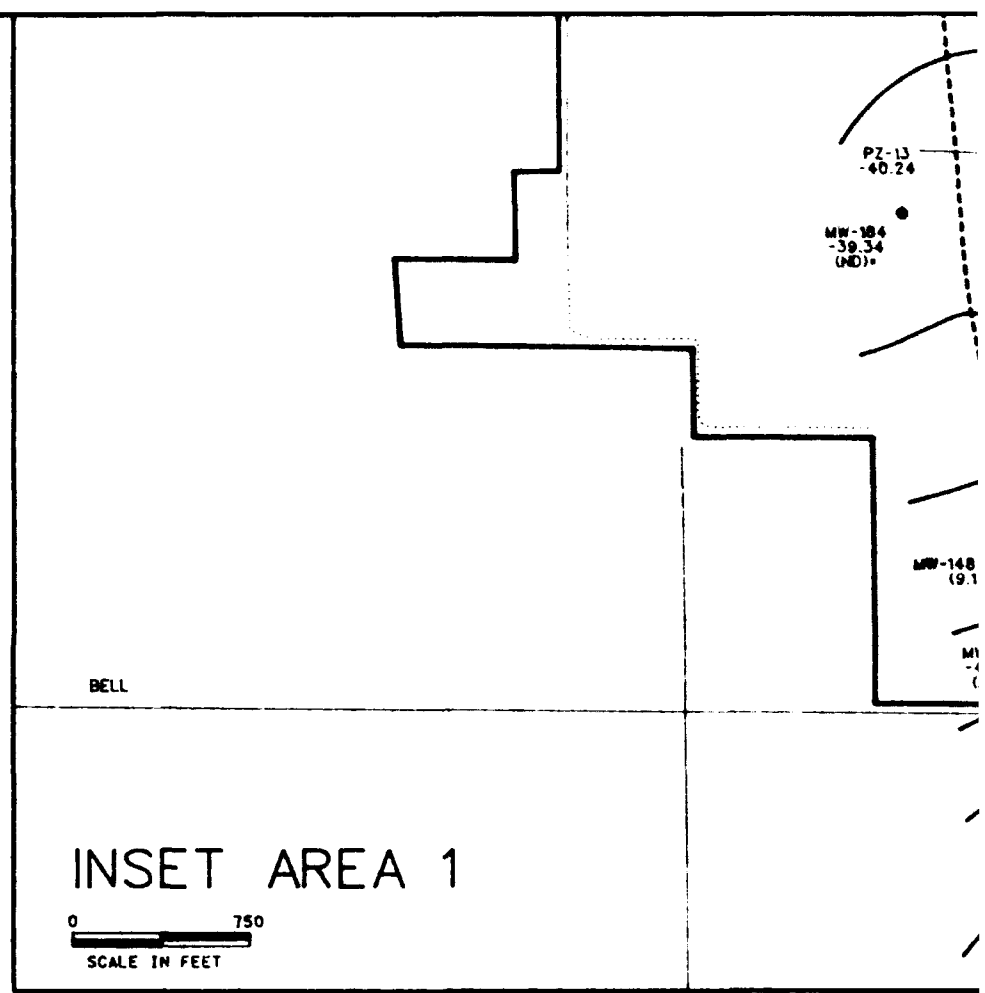
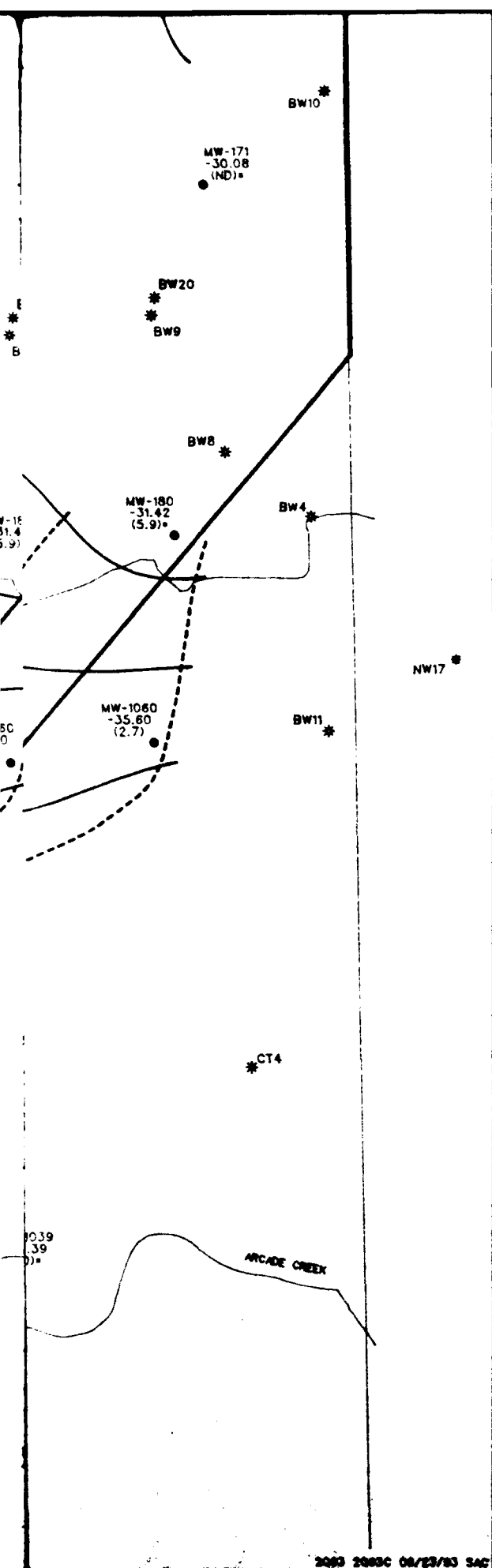






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- #### LEGEND:
- McCLELLAN AFB BOUNDARY
 - STREAMS/DRAINAGE (DOTTED WHERE COVERED)
 - ◇ EXTRACTION WELLS
 - MONITORING WELLS AND PIEZOMETERS
 - * WATER SUPPLY WELLS (INACTIVE)
 - * WATER SUPPLY WELLS (ACTIVE)
 - 42--- WATER LEVEL CONTOURS IN FEET MSL. HACHURES INDICATE DOWNGRADIENT DIRECTION.
 - (5.8) TCE CONCENTRATIONS IN ug/L. SAMPL DURING 2093.
 - (1.2)* TCE CONCENTRATIONS IN ug/L. SAMPL PRIOR TO 2093, BUT USED TO DRAW
 - (ICD) INTERMEDIATE WELL SCREENED BETW C AND D ZONES. TCE CONCENTRATION TO DRAW C ZONE TCE ISOPLETH ON
 - (BC) WELL SCREENED IN ZONES DESIGNATE
 - ESTIMATED ISOPLETH OF TCE CONCEN USING DATA FROM JULY, 1991 THROUGH 1993. ISOPLETH INTERVAL: 10²ug/L.
- NOTE:
WATER LEVEL CONTOURS GENERATED BY CP; CORRECTED BY HAND. ONLY WELLS WITH W/ VALUES SHOWN WERE USED FOR CONTOURING. WATER DEPRESSIONS MAY NOT BE CENTERED WELLS BECAUSE WATER LEVELS ARE NOT IN
- 0 750
SCALE IN

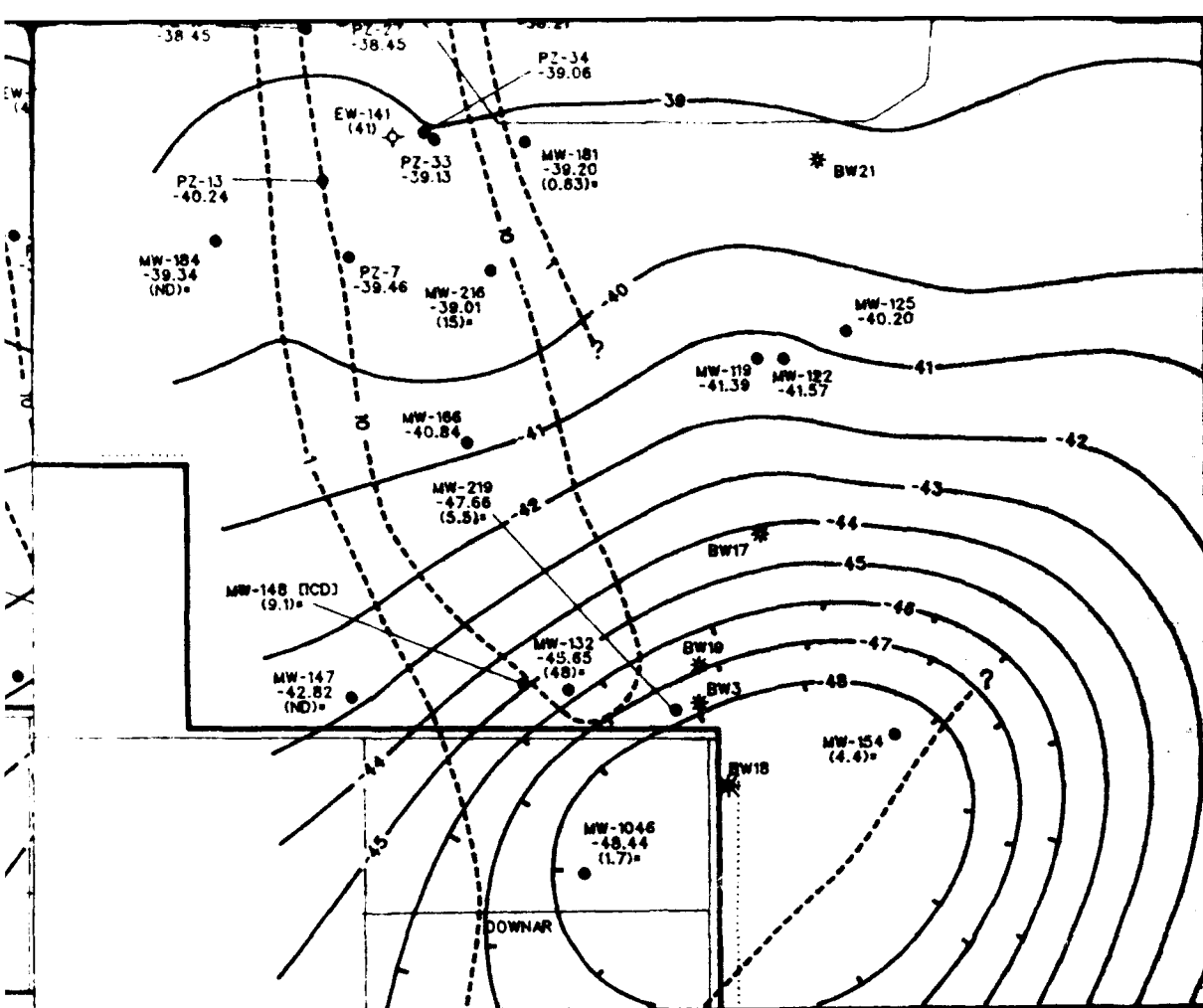


PLATE 4.

WATER LEVEL CONTOURS AND ESTIMATED TRICHLOROETHENE CONCENTRATION ISOPLETHS FOR C-ZONE MONITORING AND EXTRACTION WELLS

Water Level Data Collected
March 31, April 1, and 2, 1993
TCE Data Collected Second Quarter 1993

McCLELLAN AFB
Groundwater Sampling
& Analysis Program
April-June 1993

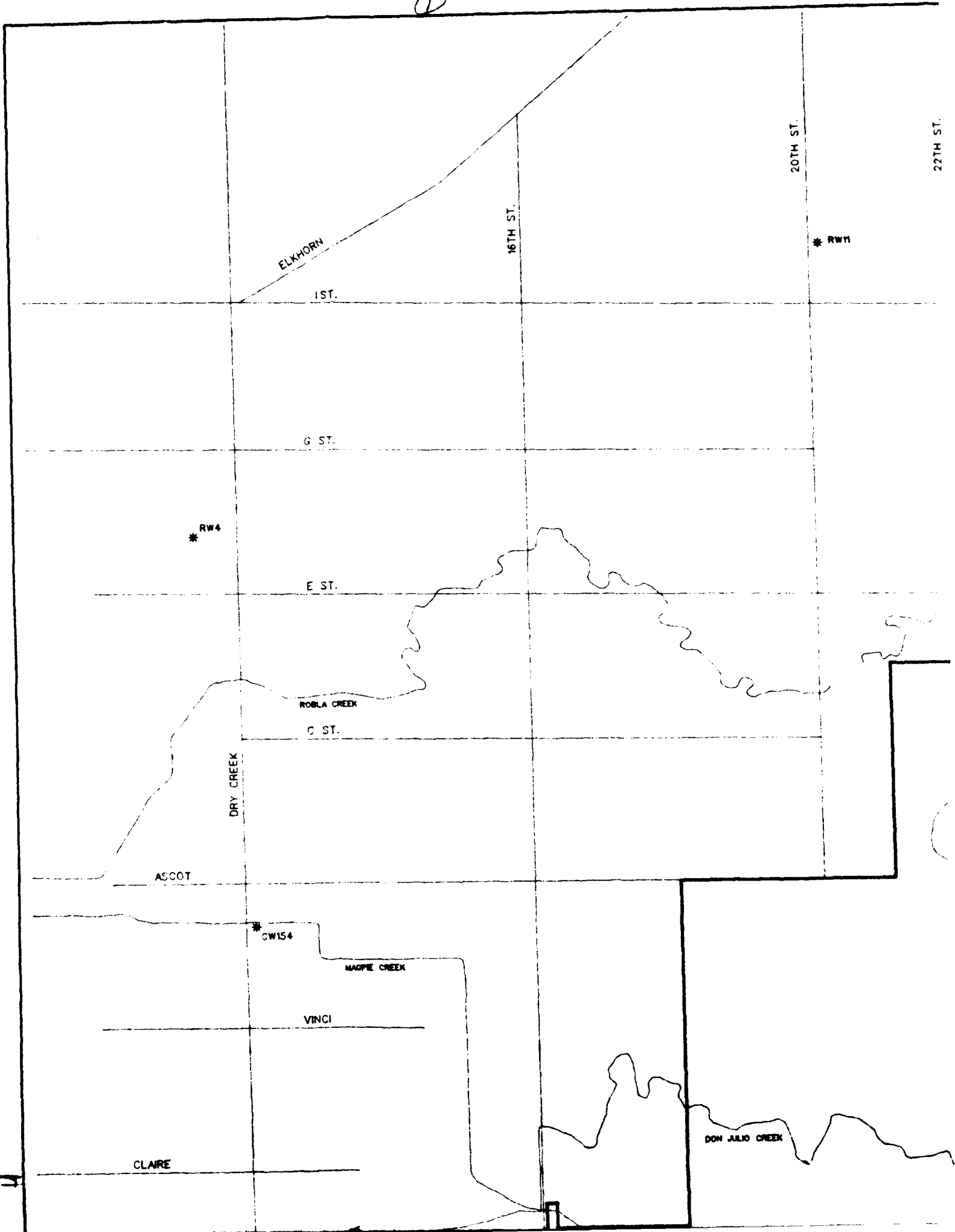
LATEST REVISION: VRL	DATE: 4-21-92
GENERATED BY: Mark W. Little	DATE: 7-16-93
PEER REVIEW: Thomas F. Calhoun	DATE: 7-16-93
PROJECT REVIEW: Stephen V. Valocchi	DATE: 7/16/93

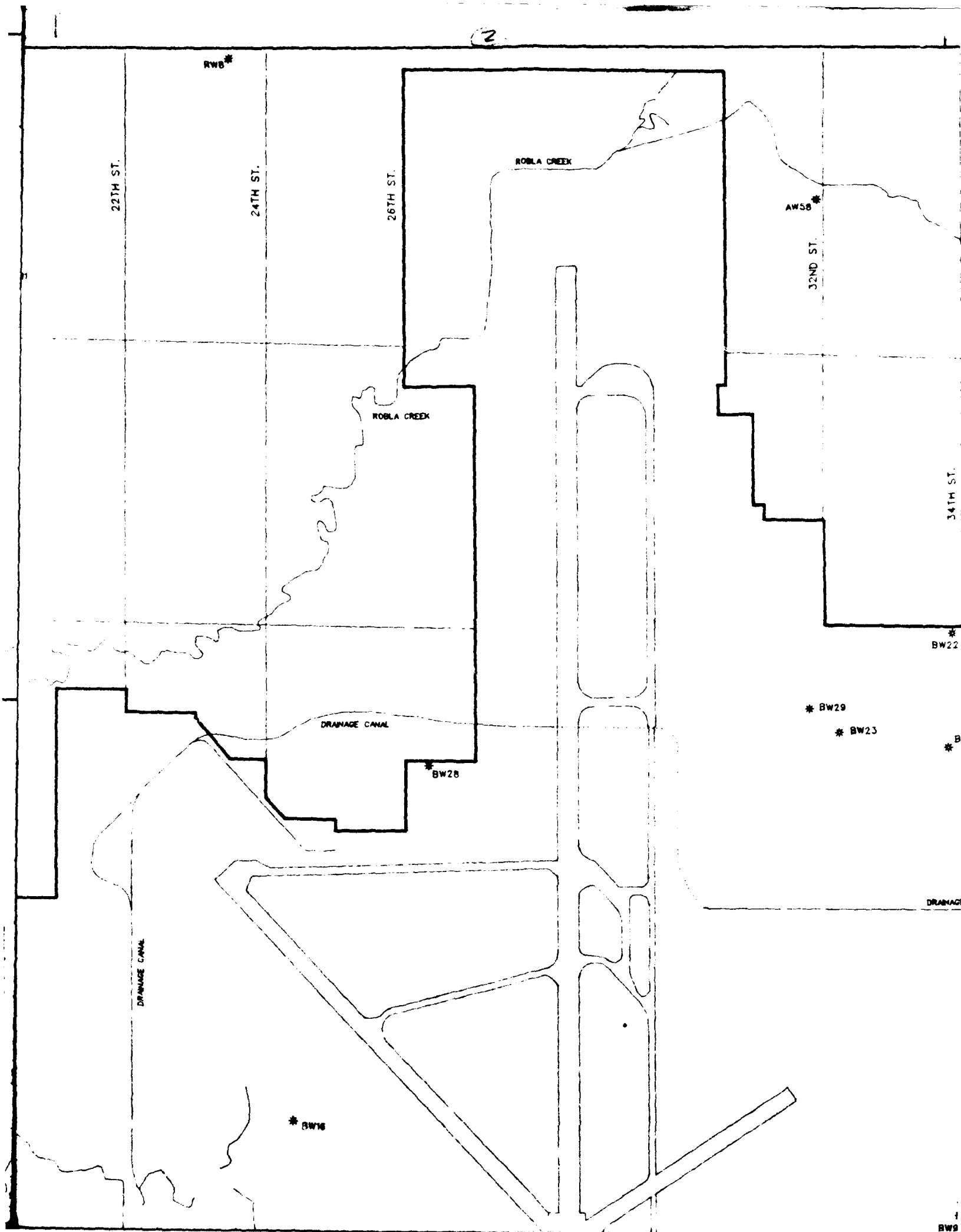
RAE
CORPORATION

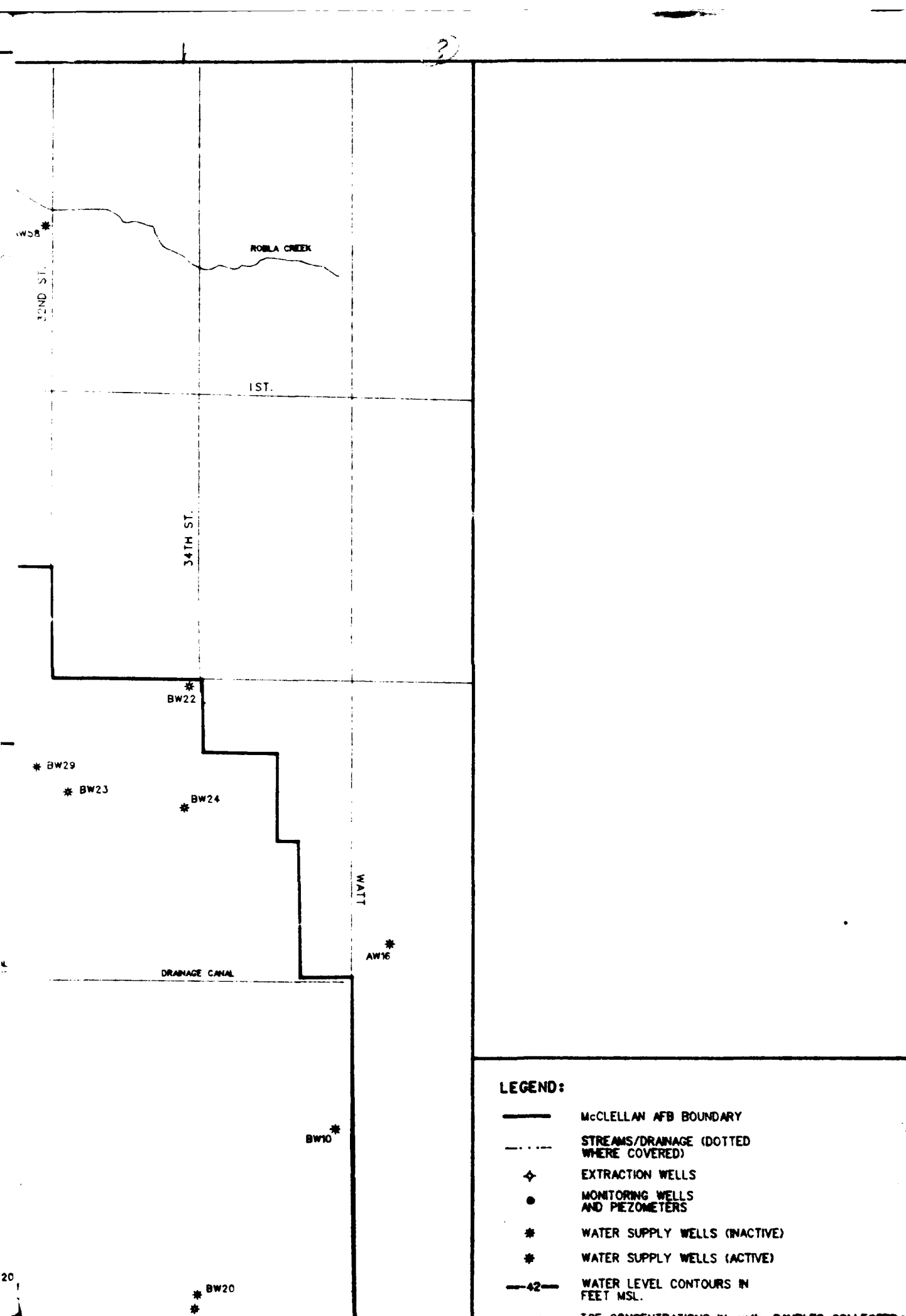
0 1000
SCALE IN FEET

N AFB BOUNDARY
DRAINAGE (DOTTED
COVERED)
ON WELLS
K. WELLS
METERS
APPLY WELLS (INACTIVE)
APPLY WELLS (ACTIVE)
VEL CONTOURS IN
HACHURES INDICATE
DIENT DIRECTION.
ENTRATIONS IN ug/L. SAMPLES COLLECTED
93.
ISENTRATIONS IN ug/L. SAMPLES COLLECTED
2093, BUT USED TO DRAW TCE ISOPLETH.
HE
SEDATE WELL SCREENED BETWEEN THE
ZONES. TCE CONCENTRATIONS USED
O ZONE TCE ISOPLETH ONLY.
EENED IN ZONES DESIGNATED.
ION
RCH ISOPLETH OF TCE CONCENTRATIONS
A FROM JULY, 1991 THROUGH MARCH
PLETH INTERVAL: 10 ug/L.
LENTOURS GENERATED BY GPS/PC AND
DUMAND. ONLY WELLS WITH WATER LEVEL
PURE USED FOR CONTOURING. GROUND-
EDNS MAY NOT BE CENTERED ON PUMPING
WATER LEVELS ARE NOT MEASURED.

Q







VINCI

CLAIRE

DON JULIO CREEK

OLD MAGPIE
CREEK CHANNEL

JOYCE

SANTA ANA

MAGPIE CREEK

MAIN

MARYSVILLE

GRACE

MW-1
-36.6

MW-21
-36
(N)

MW-22
-37

BELL

MAY

* CW138

PINELL

BARBARA

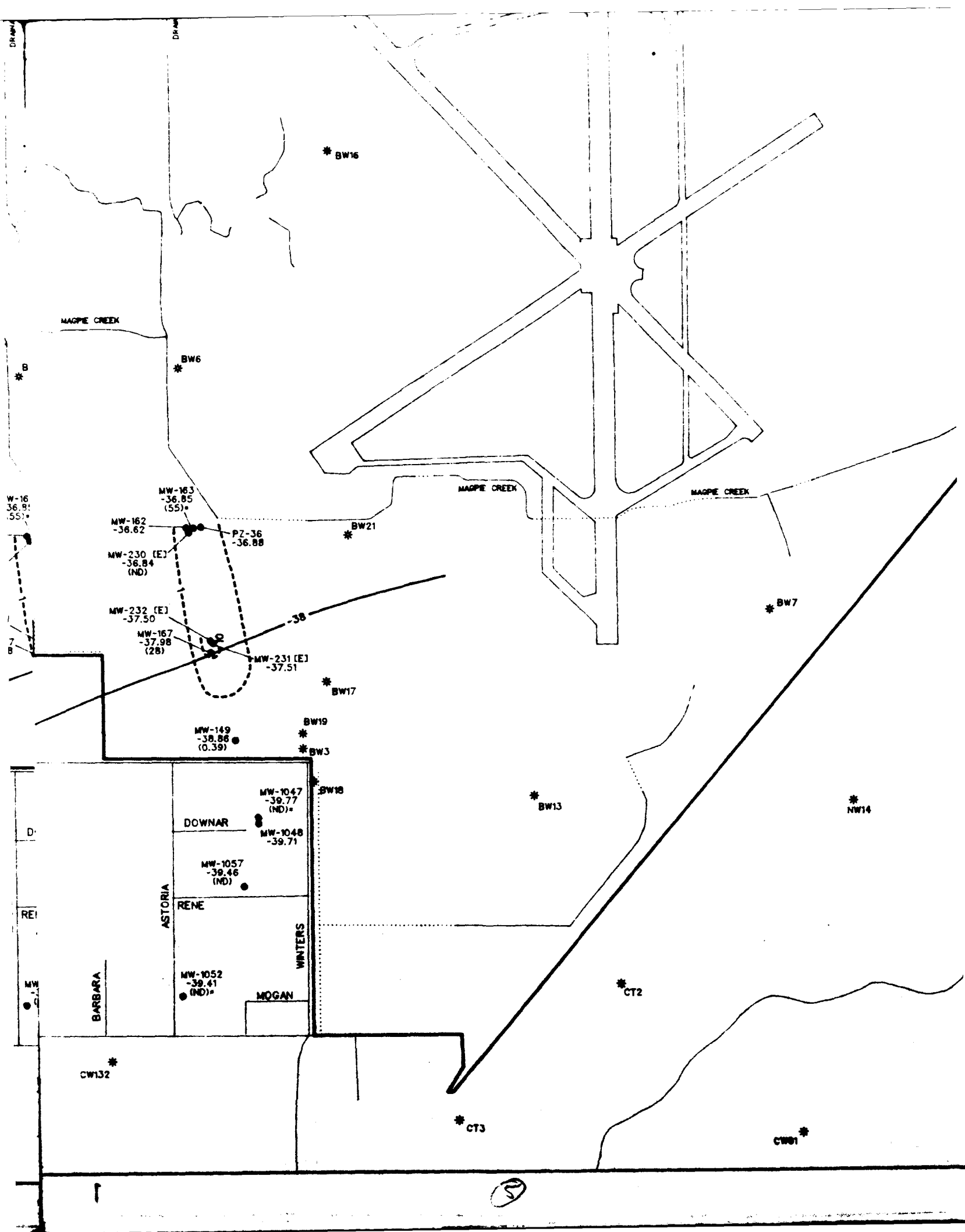
NORTH

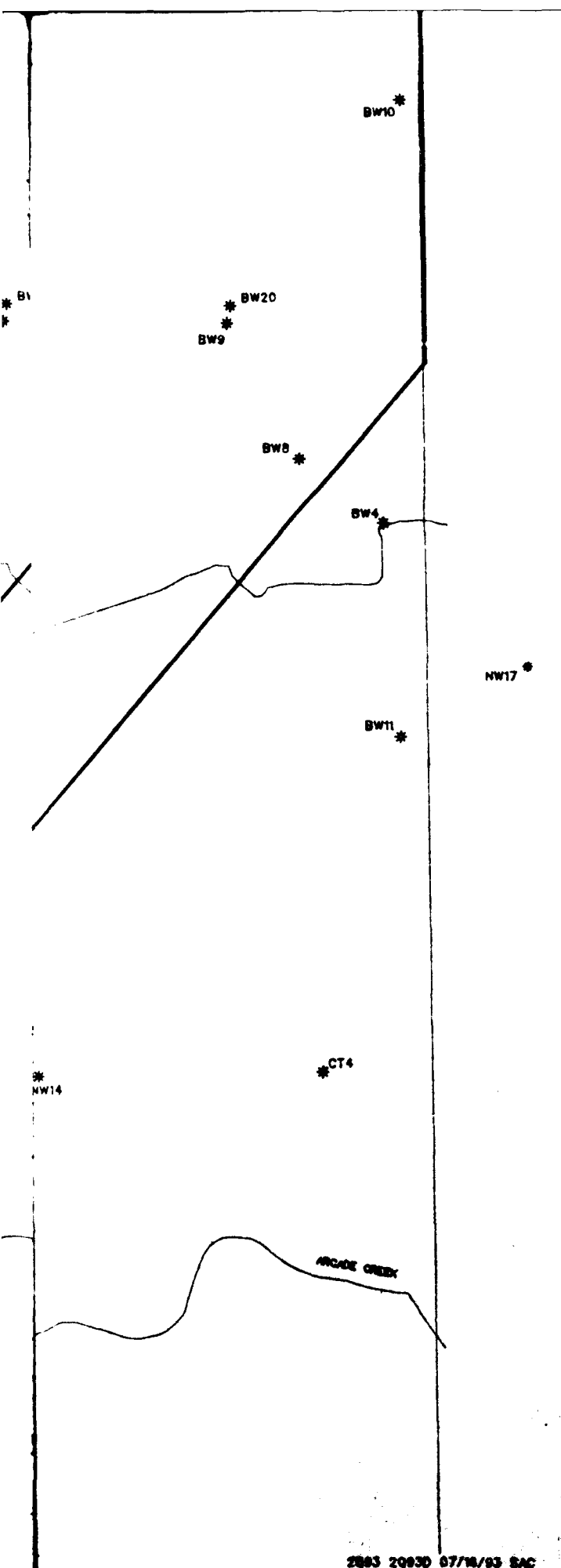
* CW131

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CW132

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LEGEND:

- McCLELLAN AFB BOUNDARY
- ... STREAMS/DRAINAGE (DOTTED WHERE COVERED)
- ◇ EXTRACTION WELLS
- MONITORING WELLS AND PIEZOMETERS
- * WATER SUPPLY WELLS (INACTIVE)
- * WATER SUPPLY WELLS (ACTIVE)
- 42— WATER LEVEL CONTOURS IN FEET MSL.
- (5.8) TCE CONCENTRATIONS IN ug/L. SAMPLES COLLECTED DURING 2Q93.
- (1.2)* TCE CONCENTRATIONS IN ug/L. SAMPLES COLLECTED PRIOR TO 2Q93, BUT USED TO DRAW TCE ISOPLETH.
- (ND) TCE NOT DETECTED.
- (E) E-ZONE WELL. NOT USED TO CALCULATE D-ZONE TCE ISOPLETH OR WATER LEVEL CONTOUR.
- ESTIMATED ISOPLETH OF TCE CONCENTRATIONS USING DATA FROM JULY, 1992 THROUGH APRIL 1993. ISOPLETH INTERVAL: 10 ug/L.

NOTE:

WATER LEVEL CONTOURS GENERATED BY CPS/PC[®] AND CORRECTED BY HAND. ONLY WELLS WITH WATER LEVELS SHOWN WERE USED FOR CONTOURING.



0 1000
SCALE IN FEET

LATEST REVISION: VRL

DATE: 4-21-92

GENERATED BY: *Mark W. Little*

DATE: 7-16-93

PEER REVIEW: *Thomas F. Culley*

DATE: 7-16-93

PROJECT REVIEW: *Step V. De Wit*

DATE: 7/16/93

PLATE 5.

WATER LEVEL CONTOURS AND ESTIMATED TRICHLOROETHENE CONCENTRATION ISOPLETHS FOR D-ZONE MONITORING AND EXTRACTION WELLS

Water Level Data Collected
March 31, April 1, and 2, 1993

TCE Data Collected Second Quarter, 1993

McCLELLAN AFB
Groundwater Sampling
& Analysis Program

April-June 1993

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