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Hydraulic Monitoring and
Forth Round of Groundwater
Quality Monitoring

CRA

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August 20, 1996

Reference No. 6029-50

Mr. Anthony Rutter
Director, Waste Management Division
Remedial Project Manager
U.S. Environmental Protection Agency
77 West Jackson Boulevard
Chicago, Illinois 60604

Mr. Regan S. Williams
State Project Coordinator
Ohio EPA - Division of
Emergency & Remedial Response
2110 East Aurora Road
Twinsburg, Ohio 44087

Gentlemen:

Re: Hydraulic Monitoring and
Fourth Round of Groundwater Quality Monitoring
Summit National Superfund Site
Deerfield, Ohio

In accordance with the Consent Decree and Statement of Work (SOW) requirements for the Summit National Superfund Site (Site) in Deerfield, Ohio, the Summit National Facility Trust (SNFT) herewith submits two copies of the fourth round of groundwater analytical results and the groundwater hydraulic monitoring data required by the groundwater effectiveness monitoring program for the Site. The fourth round of groundwater sampling was conducted during the period of May 13 to 17, 1996.

On February 9, 1996, Conestoga-Rovers & Associates (CRA), on behalf of SNFT, submitted a proposed Site-Specific Indicator Parameter List (SSIPL) for analyses during the 1996, 1997, and 1998 groundwater sampling events to the United States Environmental Protection Agency (USEPA) and the Ohio Environmental Protection Agency (OEPA). On May 6, 1996, CRA, on behalf of SNFT, responded to the USEPA April 9, 1996 comments on the proposed SSIPL. USEPA and OEPA submitted comments on CRA's May 6, 1996 responses to CRA on May 15, 1996, and CRA submitted responses to USEPA and OEPA comments to USEPA and OEPA on July 26, 1996. Based on discussions between USEPA, OEPA and CRA, it was agreed to finalize the SSIPL during a conference call with USEPA, OEPA, Black & Veatch, SNFT, and CRA after submission of the results of the fourth round of groundwater analytical results to USEPA and OEPA. CRA will set up the conference call on a date and time acceptable to all attendees.

A. Fourth Round Groundwater Quality Monitoring

As required by the SOW, the fourth round of groundwater sampling included sampling of the water table unit (WTU), upper intermediate unit (UIU), and lower intermediate unit (LIU) wells. Attachment A is a memorandum summarizing the groundwater quality monitoring field activities for the fourth round of the groundwater quality effectiveness monitoring program and Attachment B presents the proposed SSIPL (acetone, 1,1-dichloroethane, 1,2-dichloroethane, ethylbenzene, toluene, xylene, cadmium, lead, and nickel) analytical results of the groundwater samples collected as part of the startup, second, third, and fourth rounds of groundwater sampling at the Site. CRA's data quality assurance evaluation for the fourth round of groundwater analyses is included in Attachment C. All the analytical data were found to exhibit acceptable levels of accuracy and precision and were used with the qualifications noted in Attachment C.

As required by the Consent Decree for the Site, the groundwater performance standards for the Site must be attained at each of the WTU, UIU, LIU, and USU monitoring wells (except for those wells designated as background wells). The groundwater performance standards for the Site are as follows:

1. An individual 10^{-6} increased lifetime cancer risk and a cumulative noncarcinogenic Hazard Index (HI) less than 1; or
2. background, whichever occurs first.

Included in Attachment D is an evaluation of the performance standards for each well for the first four rounds of groundwater sampling conducted at the Site. A summary of each monitoring wells' compliance or non-compliance with the performance standards for the Site is included on Table 1 for the last round of Target Compound List/Target Analyte List analyses (third round of groundwater quality monitoring conducted in November 1995).

A summary of the SSIPL compounds for the four rounds of groundwater sampling conducted at the Site from startup of the groundwater extraction system in 1994 for each monitoring well are presented on attached Plans WTU, LIU, UIU, and USU.

In accordance with the effectiveness monitoring program for the Site, the fifth round of groundwater quality monitoring is scheduled for October/November 1996. All monitoring wells in the WTU, UIU, LIU, and Upper Sharon Unit (USU) will be included in the fifth groundwater sampling event. Prior to commencing sampling of the LIU and USU wells, MW 322, MW 324, and MW 420 will be re-developed, as detailed in CRA's letter dated July 26, 1996 to USEPA and OEPA, in an attempt to reduce the pH of the groundwater samples from these wells.

B. Groundwater Hydraulic Monitoring

Groundwater levels at the Site were measured on May 13, 1996, and are presented in Attachment E. The groundwater hydraulic data were reduced to elevations and entered into a computer database as required by the SOW. Groundwater contours for the WTU, UIU, LIU, and the USU for the May 1996 monitoring event are presented on figures in Attachment F. Groundwater hydrographs for the period November 1994 to May 1996 for each of the wells and piezometers used for hydraulic monitoring are included in Attachment G. Extraction of groundwater from the six IU extraction wells at the Site commenced on December 1, 1994, whereas extraction of groundwater from the WTU initially commenced on June 9, 1994 during installation of the wet well, and groundwater extraction from the completed pipe and media drain commenced on September 9, 1994. The groundwater extraction wells were shut down on May 9, 1995 as approved by USEPA and OEPA.

The groundwater elevation contours included in Attachment F were prepared incorporating an exponential variogram and a linear drift function with the Kriging interpolation method (as implemented in SURFER For Windows).

Review of the groundwater elevation data for the Site allows the following observations and conclusions to be made regarding the groundwater flow system in the vicinity of the Site.

1. The groundwater elevation contours for the WTU demonstrate that the operation of the pipe and media drain system is maintaining hydraulic containment of the on-Site portion of the WTU. Hydraulic containment of significant portions of the WTU to the north, west and south of the Site is also being achieved by the pipe and media drain operation.

2. The horizontal direction of groundwater flow is generally southeasterly in the WTU as has been consistently observed in the past. The groundwater flow direction in all the bedrock units (i.e. UIU, LIU, and USU) appears to be in a generally easterly direction. The bedrock groundwater flow direction differs somewhat from previous interpretations which had the flow directions ranging northerly to easterly to southerly in the bedrock units. The current interpretation of relatively consistent easterly flow in all three units is more representative than previous interpretations due to the expansion of the hydraulic monitoring network that was undertaken in 1995. The potable water well groundwater elevation is not considered to be representative of the groundwater flow patterns.

3. An upward hydraulic gradient exists between the UIU and WTU along the entire pipe and media drain alignment. Figure 1 presents the region of upward hydraulic gradient (shaded) based on the interpolated groundwater elevation contours in the WTU and UIU. Note that the MW-206 groundwater elevation (UIU) may not be representative due to slow water level recovery in the well following sampling. If this water level is discounted, an upward hydraulic gradient would be indicated in the vicinity of MW-206/MW-106.

   The area of upward hydraulic gradient is greater than that evident prior to the termination of pumping from the IU extraction system. During the operation of the IU extraction system, a downward hydraulic gradient was observed along the east portion of the pipe and media drain alignment (between MH6 and MH8), as discussed in CRA's April 26, 1995 assessment of groundwater containment letter addressed to USEPA and OEPA.

   The UIU groundwater elevation contours presented in Attachment F indicate that a portion of the UIU groundwater is being contained by groundwater extraction from the WTU via the pipe and media drain. This containment is demonstrated by the bending of the UIU contours around the pipe and media drain alignment. Capture of water from the UIU by the WTU extraction system is consistent with the observed upward hydraulic gradient from the UIU to the WTU.

In accordance with the effectiveness monitoring program for the Site, groundwater hydraulic monitoring will continue on a quarterly basis.

SNFT trusts this letter report is sufficient for the groundwater effectiveness monitoring requirements as required by the SOW for the Site. CRA will contact USEPA, OEPA, Black & Veatch, and SNFT prior to the end of August 1996 to set up a conference call to finalize the SSIPL for the Site. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Steve Whillier, P. Eng.

SW/dm/29
Encl.

c.c.: Richard McAvoy
Gary Gifford
Patrick Steerman
Kenneth Walanski
Douglas Haynam
Jack Michels
Richard Murphy
Mark Witherspoon

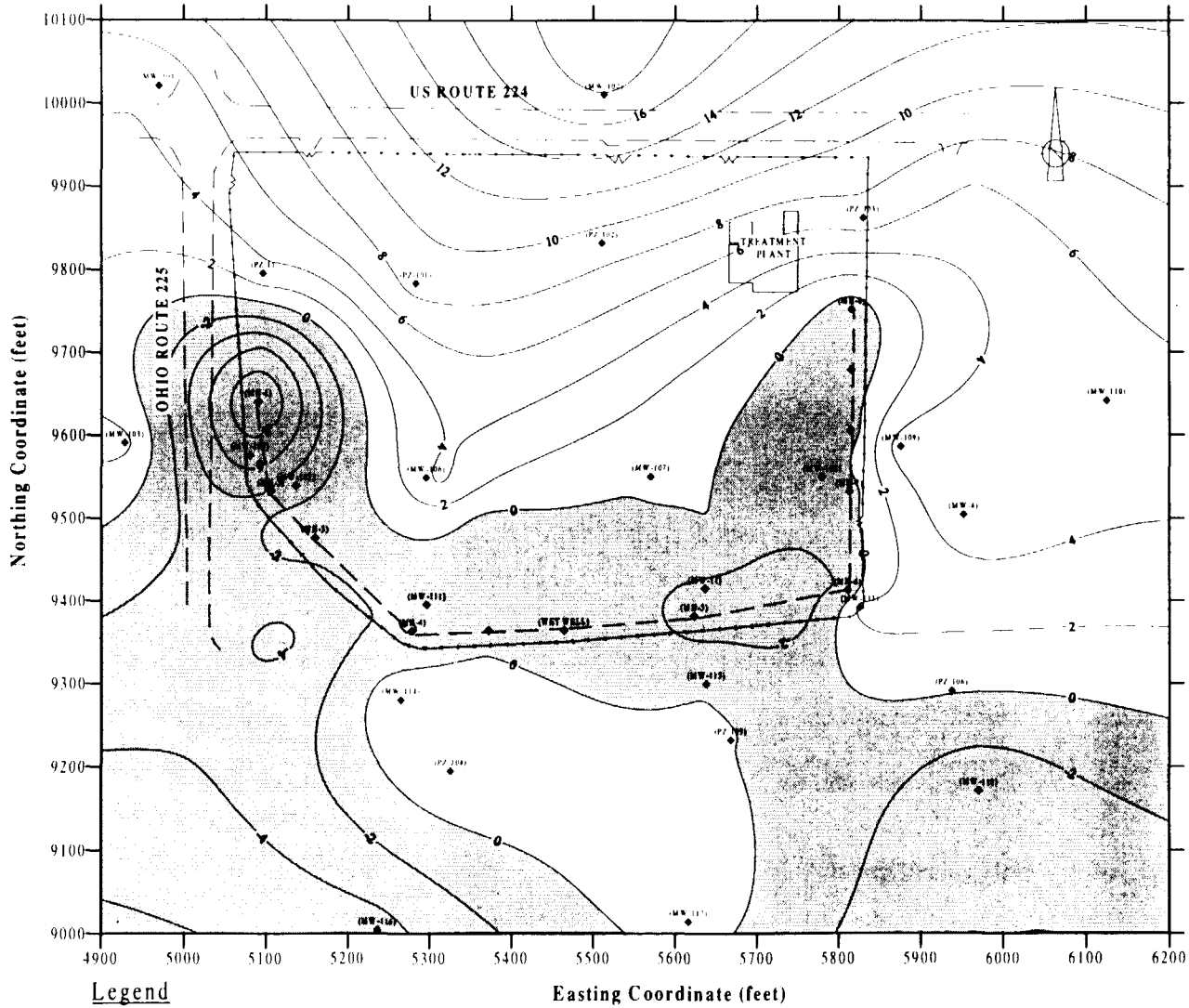
TABLE 1
SUMMARY OF GROUNDWATER PERFORMANCE STANDARD COMPLIANCE
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

Well ID	Location: Grid	Location: On-Site Well	Location: Off-Site Well	Background Wells	Evaluation Against Performance Standards (1): Carcinogenic Compounds (2)	Non-Carcinogenic Compounds (3)	Background Concentrations	Overall Compliance
WATER TABLE UNIT MONITORING WELLS								
MW-4	E of 5-9		•		IC	IC	IC	IC
MW-11	6-6	•			TCE > PS	IC	IC	IC
MW-101	NW of 1-1		•	•				
MW-102	N of 1-5		•	•				
MW-103	1-8		•	•				
MW-104	4-1	•			Arsenic & Beryllium> PS	HI =6.21, Organics: 0% Inorganics: 100%	Arsenic > BG	NIC
MW-105	5-1	•			Arsenic > PS	HI =10.0, Organics: 0% Inorganics: 100%	Arsenic > BG	NIC
MW-106	4-3	•			Arsenic & Beryllium> PS	IC	Arsenic > BG	NIC
MW-107	4-6	•			1,2-DCA, Dichloromethane & Arsenic> PS	HI =8.09, Organics: 42% Inorganics: 58%	Arsenic > BG	NIC
MW-108	4-8	•						
MW-109	4-9		•		1,2-DCA & Arsenic > PS	IC	IC	IC
MW-110	E of 3-9		•		IC	IC	IC	IC
MW-111	6-3	•			1,2-DCA & Arsenic > PS	HI = 4.85, Organics: 0% Inorganics: 100%	Arsenic > BG	NIC
MW-113	6-8	•			IC	IC	IC	IC
MW-114	7-3		•		IC	IC	IC	IC
MW-115	7-6		•		Arsenic > PS	IC	IC	IC
MW-116	S of 7-3		•		IC	IC	IC	IC
MW-117	S of 7-6		•		Arsenic > PS	IC	IC	IC
MW-118	SE of 7-9		•		Arsenic > PS	IC	IC	IC
UPPER INTERMEDIATE UNIT MONITORING WELLS								
MW-201	NW of 1-1		•	•				
MW-202	N of 1-5		•		IC	IC	IC	IC
MW-203	3-1	•			IC	IC	IC	IC
MW-204	6-1		•	•				
MW-205	S of 7-7		•	•				
MW-206	4-3	•			Arsenic > PS	HI = 1.80, Organics: 0% Inorganics: 100%	Arsenic > BG	NIC
MW-207	4-6	•			IC	IC	IC	IC
MW-209	4-9		•		Arsenic > PS	IC	Arsenic > BG	NIC
MW-219	2-3	•			IC	IC	IC	IC
MW-220	E of 1-9		•		Arsenic > PS	HI = 2.35, Organics: 0% Inorganics: 100%	Arsenic > BG	NIC
MW-223	6-5	•			1,2-DCA & Arsenic > PS	HI = 4.57, Organics: 0.4% Inorganics: 99.6%	Arsenic > BG	NIC
MW-224	6-8	•			Arsenic > PS	IC	Arsenic > BG	NIC

TABLE 1
SUMMARY OF GROUNDWATER PERFORMANCE STANDARD COMPLIANCE
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

Well ID	Location: Grid	Location: On-Site Well	Location: Off-Site Well	Background Wells	Evaluation Against Performance Standards (1): Carcinogenic Compounds (2)	Non-Carcinogenic Compounds (3)	Background Concentrations	Overall Compliance
LOWER INTERMEDIATE UNIT MONITORING WELLS								
MW-301	NW of 1-1		•	•				
MW-302	N of 1-5		•	•				
MW-303	3-1	•			IC	IC	Dichloromethane > BG	IC
MW-304	6-1		•	•				
MW-305	S of 7-7		•		bis(2-ethylhexyl)phthalate > PS	HI = 1.03, Organics: 0.02 Inorganics: 98.1%	bis(2-ethylhexyl)phthalate > BG	NIC
MW-306	5-3	•			IC	IC	IC	IC
MW-307	5-6	•			IC	IC	IC	IC
MW-309	4-9		•		IC	IC	IC	IC
MW-319	2-3	•			IC	IC	IC	IC
MW-320	E of 1-9		•		IC	IC	IC	IC
MW-321	4-6	•			IC	IC	IC	IC
MW-322	5-2	•						
MW-323	6-5	•			IC	IC	IC	IC
MW-324	6-8	•			Arsenic > PS	HI = 1.09, Organics: 0% Inorganics: 100%	Arsenic > BG	NIC
UPPER SHARON UNIT MONITORING WELLS								
MW-401	4-5	•			IC	IC	IC	IC
MW-402	E of 5-9		•		IC	IC	IC	IC
MW-414	7-3		•	•				
MW-415	7-6		•	•				
MW-420	E of 1-9		•		IC	IC	IC	IC
MW-421	N of 1-5		•		IC	IC	IC	IC
MW-422	NW of 1-1		•	•				
POT. WELL	1-7	•			IC	IC	IC	IC

Note:
(1) Performance Standards defined in Consent Decree for Site. Compliance determination based on November 1995 (third round) groundwater sampling event.
(2) A compound reported as non-detect at the specified detection limit is assumed to be in compliance with the performance standard for that carcinogenic compound.
(3) Compound concentrations lower than the mean background concentration for that compound are assumed to have a HI=0.
"IC" In Compliance
"NIC" Not In Compliance
"PS" Performance Standard
"BG" Background
"HI" Hazard Index



Legend

- -4 — Contour of Water Table Unit groundwater elevation minus Upper Intermediate Unit groundwater elevation (feet). Negative value indicates upward hydraulic gradient.

Area of upward hydraulic gradient.

◆ Water Table Unit monitoring location. "Soft" data points (unlabeled) were utilized along the pipe and media drain alignment to provide more representative conditions.

figure 1
REGION OF UPWARD HYDRAULIC GRADIENT FROM UIU TO WTU
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

CRA

6029 (L) July 16, 1996 (W) REV.0 (n:/heg/6029/oldsrf/wtu-uiu.srf)

A

MEMO

TO: Stephen Whillier/Mike Mateyk REFERENCE NO.: 6029-50

FROM: David Tyran/John Buyers/rc/7 DATE: June 10, 1996

C.C.: Jack Michels

RE: Fourth Round of Groundwater Sampling
Summit National Superfund Site
Deerfield Township of Portage County, Ohio

The following is a brief summary of the Site activities associated with the fourth round of groundwater sampling conducted from May 13 to May 17, 1996 at the Summit National Superfund Site (Site) in Deerfield Township of Portage County, Ohio.

On-Site Personnel

Field activities were conducted by CRA's John Buyers and TreaTek-CRA's David Tyran. Mark Witherspoon of TreaTek-CRA was on Site for treatment plant operations.

Water Levels

A complete round of water level readings were taken from all on-Site and off-Site monitoring wells on May 13, 1996 using a Solinst electronic water level tape. The water level tape was decontaminated between water level measurements at each monitoring well. The decontamination sequence involved first rinsing the tape with potable water, then methanol, and final rinsing with deionized water. A water level reading was also taken from the potable water supply well just north of the treatment plant. Well depths were also sounded using a weighted measuring tape. The measuring tape was decontaminated between each well using the decontamination procedure outlined above. The water level measurements and calculated water elevations are provided in Table 1.

Purging and Sampling of Monitoring Wells

During purging of all monitoring wells, readings of pH, specific conductivity, temperature and turbidity (dependent on field observations) were taken after the removal of each standing well volume. A summary of the well development data is provided in Table 2. The quality of the evacuated water was also noted for color and clarity. All purge waters (approximately 540 gallons) from the monitoring wells were containerized and treated at the on-Site treatment plant.

Once the monitoring wells were purged, groundwater samples were collected for analyses for the proposed Site-specific Indicator Parameter List (SSIPL) of select volatile organic compounds (VOCs) and metals (unfiltered).

Monitoring wells that were purged using dedicated Waterra foot valves and tubing were sampled using a precleaned stainless-steel bailer (as detailed below). Once purging of the monitoring well was completed, the tubing was removed from the well and drained. The tubing was rolled up and placed in a new clean garbage bag. The standing water within the well was allowed to settle so that a clear sample could be collected. After sampling of the well with a stainless-steel bailer was completed, the tubing was placed back down the well.

The Lower Intermediate Unit (LIU) monitoring wells were purged using a precleaned 2-inch diameter Grundfos pump (as detailed below) with dedicated tubing. Once purging of the monitoring well was completed, the pump and tubing were removed. Sampling was completed using a pre-cleaned stainless steel bailer after allowing the standing water to settle.

Collected samples were labeled and placed in a cooler and maintained cool with ice. The samples were typically picked up daily by laboratory personnel and transported to the Haliburton NUS laboratory in Pittsburgh, Pennsylvania under chain-of-custody (COC) protocols. Copies of the COCs are provided in Attachment A.

Decontamination Procedures

Stainless-steel bailers were cleaned between monitoring wells by using the following decontamination sequence:

i) clean with brush in potable water and alconox detergent;
ii) rinse thoroughly with potable water;
iii) rinse thoroughly with deionized water; and
iv) allow the bailer to air dry on clean aluminum foil.

Once the bailers were allowed to air dry thoroughly, they were wrapped in aluminum foil prior to use at each monitoring well. This decontamination procedure is consistent with those detailed in the letter, Whillier to Rutter and Williams, dated September 22, 1995.

The Grundfos pump was cleaned between monitoring wells by using the following decontamination sequence:

i) run pump in a pail filled with potable water and alconox (pumped water discharged back into pail);

ii) run pump in a pail filled with potable water (pumped water discharged back into pail);
iii) rinse pump with deionized water; and
iv) wipe pump with clean paper towel and wrap in aluminum foil.

Water Table Unit (WTU) Monitoring Well Sampling

All of the WTU monitoring wells, except MW4, MW101, MW104 and MW116 were purged using dedicated Waterra foot valves and tubing. Monitoring wells MW101, MW104, MW106 and MW116 were purged using a precleaned stainless steel bailer. Monitoring well MW4 was purged using a precleaned 2-inch diameter Grundfos pump.

As shown in Table 2, eight out of the nineteen WTU monitoring wells were purged dry. All dry wells recovered sufficiently for complete sample sets to be taken.

Upper Intermediate Unit (UIU) Monitoring Well Sampling

All of the UIU monitoring wells were purged using dedicated Waterra foot valves and tubing. As shown in Table 2, eight of the twelve UIU monitoring wells went dry before reaching stabilization. All eight wells recovered sufficiently for complete sample sets to be taken.

Lower Intermediate Unit (LIU) Monitoring Well Sampling

The LIU monitoring wells were purged using a precleaned 2-inch diameter Grundfos pump with dedicated tubing or dedicated Waterra foot valves and tubing. As shown in Table 2, three standing well volumes were removed from only three of the LIU monitoring wells. Less than two standing well volumes were removed from monitoring wells MW302, MW303, MW307, MW309, MW319, MW320, MW321, MW322, MW323 and MW324 before they went dry. All of the LIU monitoring wells produced sufficient sample volume for analysis of all parameters.

Surface Water and Sediment Sampling

One surface water sample was collected from the confluence of the south and east drainage ditches at the Site. High water levels (above 4 feet) at the confluence point necessitated taking the sample closer to the northwest shoreline. The sample was obtained by tying the sample bottle to the end of a ten foot pole and pushing the bottle to below the water surface to a depth of approximately 18 inches.

Because of the high water levels, the sediment sample was not collected. The sample will be taken as soon as the ditches have dried up enough to allow someone to safely walk out to the confluence point.

Air Sample Vapor Phase Carbon Adsorbers

Two air samples were collected from the Vapor Phase Carbon Adsorber. The first sample was obtained from the influent line while the second was obtained from the effluent line. The Summa ® canisters were set up with a 1-foot long piece of tubing which was inserted 4 to 5 inches into the sample ports on the influent and effluent lines. Each canister was allowed to run exactly 3 hours before being closed off and shipped to the lab. There were no QC samples collected for the air sampling program.

Field QA/QC Program

Field QA/QC samples collected during the fourth round of groundwater sampling included a total of five blind field duplicates, four stainless-steel bailer rinsate blanks, and one Grundfos pump rinsate blank. Three matrix spike and matrix spike duplicates (MS/MSDs) were also collected. One blind duplicate and one MS/MSD were also collected for the surface water sample. One trip blank was sent with each shipment of samples to the laboratory by placing all VOC samples in the same cooler with the trip blank. A sample key is provided in Table 3 listing the analyses requested for each sample and which COC each sample was shipped under.

Stainless-steel bailer rinsate blanks were collected by pouring deionized water into a precleaned bailer and then filling the sample containers.

The Grundfos pump rinsate blank was collected by pouring deionized water over the precleaned pump and collecting the water in the sample containers.

TABLE 1

WATER LEVELS (MAY 13, 1996)
FOURTH ROUND OF GROUNDWATER SAMPLING
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Well ID	*Top of Riser (1) (ft AMSL)*	*Top of Casing (1) (ft AMSL)*	*Measured Water Level (ft BTOR)*	*Water Elevation (ft AMSL)*	*Measured Bottom (ft BTOR)*
MW4	1089.37	1091.09	7.76	1083.33	24.73
MW11	1095.93	1096.49	17.70	1078.23	26.40
MW101	1107.57	1107.70	6.98	1100.59	23.03
MW102	1100.17	1100.42	6.00	1094.17	21.40
MW103	1096.22	1096.59	2.04	1094.18	20.08
MW104	1099.81	1100.73	21.24	1078.57	29.89
MW105	1101.32	1101.64	22.63	1078.69	28.83
MW106	1102.88	1103.58	23.04	1079.84	35.00
MW107	1098.27	1098.65	16.98	1081.29	30.95
MW108	1091.96	1092.70	13.27	1078.69	18.33
MW109	1087.42	1087.77	3.71	1083.71	10.60
MW110	1086.87	1087.21	4.83	1082.04	15.24
MW111	1099.67	1099.97	21.24	1078.43	29.07
MW113	1088.46	1088.64	6.20	1082.26	16.56
MW114	1097.27	1097.63	13.16	1084.11	21.61
MW115	1101.83	1102.41	20.07	1081.76	40.96
MW116	1105.54	1106.07	24.44	1081.10	26.58
MW117	1123.97	1124.19	40.29	1083.68	60.75
MW118	1098.38	1098.68	23.20	1075.18	37.06
MW201	1107.52	1107.73	11.00	1096.52	63.43
MW202	1099.50	1099.99	24.05	1075.45	49.87
MW203	1103.35	1103.60	11.22	1092.13	53.78
MW204	1098.01	1098.29	11.67	1086.34	46.49
MW205	1100.90	1101.21	17.91	1082.99	53.00
MW206	1103.22	1103.44	27.64	1075.58	63.48
MW207	1098.51	1098.82	17.54	1080.97	49.75
MW209	1087.66	1087.91	9.04	1078.62	37.69
MW219	1108.24	1108.37	23.85	1084.39	63.04
MW220	1090.92	1091.23	10.60	1080.32	38.70
MW223	1098.37	1097.81	19.50	1078.87	45.31
MW224	1089.41	1088.87	9.77	1079.64	36.36
MW301	1107.91	1108.87	26.95	1080.96	81.36
MW302	1100.39	1100.66	25.09	1075.30	79.00
MW303	1103.15	1103.41	25.01	1078.14	69.17
MW304	1097.73	1098.06	14.67	1083.06	72.05
MW305	1101.22	1101.95	25.68	1075.54	67.85
MW306	1103.14	1103.34	26.88	1076.26	92.09
MW307	1098.83	1099.17	21.98	1076.85	77.06
MW309	1087.81	1087.91	12.06	1075.75	60.09
MW319	1108.07	1108.20	23.72	1084.35	77.17
MW320	1091.14	1091.45	20.58	1070.56	101.04
MW321	1095.32	1095.87	18.18	1077.14	69.29
MW322	1098.88	1099.75	15.72	1083.16	70.09

TABLE 1

WATER LEVELS (MAY 13, 1996)
FOURTH ROUND OF GROUNDWATER SAMPLING
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Well ID	*Top of Riser (1) (ft AMSL)*	*Top of Casing (1) (ft AMSL)*	*Measured Water Level (ft BTOR)*	*Water Elevation (ft AMSL)*	*Measured Bottom (ft BTOR)*
MW323	1097.51	1098.28	22.08	1075.43	83.52
MW324	1089.39	1089.65	14.88	1074.51	89.92
MW401	1099.75	1100.92	36.87	1062.88	141.68
MW402	1089.90	1090.69	35.18	1054.72	131.12
MW414	1096.99	1097.50	24.98	1072.01	103.20
MW415	1102.25	1102.66	27.79	1074.46	89.54
MW420	1091.66	1091.79	29.11	1062.55	121.73
MW421	1099.93	1100.50	28.98	1070.95	104.13
MW422	1107.38	1108.13	5.60	1101.78	91.98
POTABLE	1099.34	1099.42	97.57	1001.77	-
PZ-1	1104.43	1104.77	9.15	1095.28	17.44
PZ101	1108.53	1108.63	15.21	1093.32	31.79
PZ102	1100.21	1100.54	11.98	1088.23	27.01
PZ103	1093.98	1094.33	7.60	1086.38	19.73
PZ104	1097.54	1098.07	13.56	1083.98	25.63
PZ105	1101.60	1102.14	18.60	1083.00	41.01
PZ106	1102.23	1102.78	23.06	1079.17	34.10
PZ201	1099.74	1100.06	19.64	1080.10	46.40
PZ202	1101.56	1101.91	21.17	1080.39	54.89
PZ203	1098.31	1098.41	19.46	1078.85	51.60
PZ204	1095.41	1096.16	15.08	1080.33	50.10
PZ205	1096.63	1096.82	17.64	1078.99	42.64
PZ206	1088.05	1088.30	9.29	1078.76	39.02
PZ207	1091.36	1091.84	9.03	1082.33	38.86
PZ301	1100.07	1100.40	17.55	1082.52	68.36
PZ302	1101.25	1101.45	24.20	1077.05	72.47
PZ303	1098.39	1098.55	21.57	1076.82	80.83
PZ305	1096.49	1096.68	19.57	1076.92	59.38
PZ306	1088.35	1088.60	15.02	1073.33	99.64
PZ307	1091.40	1092.15	13.84	1077.56	70.71

Notes:

(1) Wells surveyed on August 24 and 29, 1995.
(2) ft AMSL - feet above measured sea level
(3) ft BTOR - feet below top of riser

SUMMARY OF MONITORING WELL DEVELOPMENT DATA
FOURTH ROUND OF GROUNDWATER SAMPLING
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Well I.D.	*Date Purged/ Sampled*	*Well Volume (gallons)*	*Purged Volume (gallons)*	*Time*	*Conductivity (µs/cm)*	*pH*	*Temperature (°F)*	*Turbidity (NTU)*	*Water Quality*	*Purge/Sampling Method*	*Comments*
MW4	05/15/96	11.0	11.0	9:45	2,790	6.80	50	128	red-brown, silty	Grundfos pump/ SS bailer for all parameters	purged dry after 16.0 gallons
	05/15/96		Sample	15:30					clear, colorless		
MW11	05/15/96	1.4	1.4	8:05	2,800	6.79	48	600	cloudy, gray, silty	Waterra/SS bailer for all parameters	good recharge
			2.8	8:07	2,060	6.70	49	310			
			4.2	8:10	1,780	6.58	49	206			
			5.6	8:11	1,600	6.56	49	175			
			7.0	8:13	1,540	6.46	49	155			
	05/15/96		Sample	10:35					slightly cloudy, light gray		
MW101	05/14/96	2.6	2.6	10:50	2,560	6.33	52	470	brown, silty	SS bailer/SS bailer for all parameters	good recharge
			5.2	11:00	2,630	6.13	51	545			
			7.8	11:10	2,630	6.17	52	760			
	05/14/96		Sample						brown, silty		
MW102	05/15/96	2.5	2.5	13:13	940	4.43	51	567	brown, very silty	Waterra/SS bailer for all parameters	good recharge
			5.0	13:18	1,950	4.25	51	580			
			7.5	13:22	2,020	4.22	51	600			
			10.0	13:26	2,040	4.21	51	NM			
	05/15/96		Sample	16:00					red-brown, silty		
MW103	05/15/96	2.9	2.9	12:00	2,050	6.84	49	228	brown, silty	Waterra/SS bailer for all parameters	good recharge
			5.8	12:10	1,980	6.45	49	101			
			8.7	12:13	1,980	6.31	48	69			
			11.6	12:16	1,980	6.29	49	63			
	05/15/96		Sample	16:30					clear, brown tint		
MW104	05/16/96	1.4	1.4	14:19	2,150	6.36	48	NM	gray-black, very silty	SS bailer/SS bailer for all parameters	good recharge
			2.8	14:24	2,160	5.89	49	850			
			4.2	14:29	2,880	5.84	50	950			
			5.6	14:36	2,660	6.55	49	960			
			7.0	14:42	2,490	6.49	49	NM			
	05/16/96		Sample	18:00					gray, silty		

SUMMARY OF MONITORING WELL DEVELOPMENT DATA
FOURTH ROUND OF GROUNDWATER SAMPLING
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Well I.D.	Date Purged/ Sampled	Well Volume (gallons)	Purged Volume (gallons)	Time	Conductivity (µs/cm)	pH	Temperature (°F)	Turbidity (NTU)	Water Quality	Purge/Sampling Method	Comments
MW105	05/16/96	1.0	1.0	14:18	3,520	6.14	56	223	brown, silty	Waterra/SS bailer for all parameters	good recharge
			2.0	14:23	3,630	5.58	55	185			
			3.0	14:27	3,590	5.50	55	165			
			4.0	14:32	3,680	5.46	55	125			
	05/16/96		Sample	17:45					clear, colorless		
MW106	05/16/96	1.9	1.9	14:55	3,050	5.57	55	120	clear, gray tint	Waterra/SS bailer for all parameters	good recharge
			3.8	15:04	3,310	5.65	55	109			
			5.7	15:12	4,010	5.71	54	550			
			7.6	15:20	1,910	5.72	54	85			
			9.5	15:30	2,030	5.62	54	95			
	05/16/96		Sample	18:15					clear, colorless		
MW107	05/16/96	2.2	2.2	11:24	3,820	6.28	53	36	black tint, strong chemical odor	Waterra/SS bailer for all parameters	good recharge
			4.4	11:30	4,060	6.24	54	18			
			6.6	11:35	4,170	6.20	52	12			
			8.8	11:40	4,250	6.19	53	17			
	05/16/96		Sample	15:00					clear, strong chemical odor		
MW108	05/17/96	0.8	0.8	9:46	2,080	6.52	51	225	gray, very silty	Waterra/SS bailer for all parameters	purged dry after 2 volumes
			1.6	9:49	2,190	6.49	51	320			
	05/17/96		Sample	11:45					clear, brown tint		
MW109	05/13/96	1.1	1.1	16:43	1,450	4.24	48	>200	brown, very silty	Waterra/SS bailer for all parameters	purged dry after 3 volumes, slow recharge
			2.2	16:47	2,010	4.64	48	>200			
			3.3	16:49	2,450	5.32	48	>200			
	05/14/96		Sample	8:30					clear, colorless		
MW110	05/14/96	1.7	1.7	14:04	760	6.93	50	135	light brown	Waterra/SS bailer for all parameters	purged dry after 4.5 gallons, very slow recharge
			3.4	14:06	720	6.92	48	175			
	05/15/96		Sample	10:10					clear, colorless		
MW111	05/16/96	1.3	1.3	14:55	3,210	5.68	53	570	very cloudy, brown	Waterra/SS bailer for all parameters	good recharge
			2.6	15:00	3,210	5.65	54	710			
			3.9	15:05	3,450	5.56	54	578			
			5.2	15:10	3,790	5.59	54	558			
			6.5	15:15	1,140	5.61	54	612			
	05/16/96		Sample	19:15					slightly cloudy, brown		

SUMMARY OF MONITORING WELL DEVELOPMENT DATA
FOURTH ROUND OF GROUNDWATER SAMPLING
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Well I.D.	*Date Purged/ Sampled*	*Well Volume (gallons)*	*Purged Volume (gallons)*	*Time*	*Conductivity (µs/cm)*	*pH*	*Temperature (°F)*	*Turbidity (NTU)*	*Water Quality*	*Purge/Sampling Method*	*Comments*
MW113	05/15/96	1.7	1.7	7:51	3,790	6.83	47	720	cloudy, gray, silty	Waterra/SS bailer	purged dry after
			3.4	7:54	3,790	6.69	46	640		for all parameters	2 volumes, slow recharge
	05/15/96		Sample	15:45					cloudy, brown, silty		
MW114	05/15/96	1.4	1.4	12:56	2,840	4.99	50	338	clear, dark red tint	Waterra/SS bailer	purged dry after
			2.8	12:59	2,820	4.73	50	370		for all parameters	4.0 gallons, slow recharge
	05/15/96		Sample	16:15					clear, dark red tint		
MW115	05/14/96	3.3	3.3	16:01	1,920	6.64	50	45	clear, colorless	Waterra/SS bailer	good recharge
			6.6	16:06	1,890	6.28	50	48		for all parameters	
			9.9	16:11	1,910	6.17	50	NM			
			13.2	16:20	1,890	6.10	51	19			
	05/14/96		Sample	17:30					clear, colorless		
MW116	05/13/96	0.3	0.3	15:28	4,320	7.07	56	>200	brown, silty	SS bailer/SS bailer	minimal volume in well,
	05/14/96		Sample	11:45					brown, silty	for all parameters	dry after 1 volume
MW117	05/15/96	3.3	3.3	12:30	2,800	6.15	52	175	dark gray, silty	Waterra/SS bailer	good recharge
			6.6	12:35	2,850	5.91	51	99		for all parameters	
			9.9	12:37	2,840	5.75	52	56			
			13.2	12:40	2,830	5.71	52	48			
	05/15/96		Sample	17:15					slightly cloudy, light gray		
MW118	05/15/96	2.2	2.2	8:54	2,480	6.86	50	340	cloudy, dark gray, silty	Waterra/SS bailer	good recharge
			4.4	8:58	2,350	6.63	51	195		for all parameters	
			6.6	9:01	2,230	6.51	52	204			
			8.8	9:04	2,110	6.44	51	195			
	05/15/96		Sample	10:20					slightly cloudy, gray		
MW201	05/14/96	8.4	8.4	10:50	3,450	7.79	54	82	cloudy, dark gray-black,	Waterra/SS bailer	purged dry after
			16.8	11:06	3,630	7.43	56	216	silty	for all parameters	2 volumes, slow recharge
	05/14/96		Sample	17:45					mostly clear		
MW202	05/13/96	4.1	4.1	15:45	1,900	8.49	52	185	cloudy, gray-black, silty	Waterra/SS bailer	good recharge
			8.2	15:50	1,900	8.53	52	>200		for all parameters	
			12.3	15:56	1,940	8.53	52	>20			
	05/13/96		Sample	17:30					clear, colorless		

SUMMARY OF MONITORING WELL DEVELOPMENT DATA
FOURTH ROUND OF GROUNDWATER SAMPLING
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Well I.D.	Date Purged/ Sampled	Well Volume (gallons)	Purged Volume (gallons)	Time	Conductivity (µs/cm)	pH	Temperature (°F)	Turbidity (NTU)	Water Quality	Purge/Sampling Method	Comments
MW203	05/16/96	6.8	6.8	10:39	3,410	8.64	53	135	cloudy, dark gray, silty	Waterra/SS bailer	purged dry after
			13.6	10:46	4,370	8.46	53	615		for all parameters	2 volumes, slow recharge
	05/16/96		Sample	16:30					clear, colorless		
MW204	05/13/96	5.6	5.6	15:03	2,980	7.72	52	77	cloudy, gray	Waterra/SS bailer	purged dry after
			10.0	15:10	2,780	7.48	52	>200		for all parameters	2 volumes, slow recharge
	05/14/96		Sample	11:30					clear, colorless		
MW205	05/14/96	5.6	5.6	15:30	3,230	5.84	53	9	slightly cloudy, gray	Waterra/SS bailer	good recharge
			11.2	15:38	3,200	5.80	54	15		for all parameters	
			16.8	15:50	3,140	5.66	54	7.8			
	05/14/96		Sample	16:30					clear, orange-brown		
MW206	05/15/96	5.7	5.7	8:30	2,800	8.30	53	534	cloudy, gray, silty	Waterra/SS bailer	purged dry after
	05/15/96		Sample	17:00					very cloudy, dark gray	for all parameters	1 volume
MW207	05/17/96	5.2	5.2	-	2,570	6.38	55	370	brown, silty	Waterra/SS bailer	good recharge
			10.4	-	2,550	6.13	54	55		for all parameters	
			15.6	-	2,620	6.16	55	216			
	05/17/96		Sample	10:30					clear, colorless		
MW209	05/14/96	4.6	4.6	7:49	3,730	6.63	50	144	cloudy, gray, silty	Waterra/SS bailer	purged dry after 2
			9.2	7:52	3,680	6.60	50	320		for all parameters	volumes, slow recharge
	05/14/96		Sample	18:00					clear, colorless		
MW219	05/16/96	6.3	6.3	9:01	3,140	8.38	53	124	cloudy, light gray	Waterra/SS bailer	purged dry after 2
			12.6	9:10	3,210	8.13	53	584		for all parameters	volumes
	05/16/96		Sample	15:15					clear, colorless		
MW220	05/14/96	4.5	4.5	8:56	2,090	9.62	50	117	brown-black, silty	Waterra/SS bailer	purged dry after
			9.0	9:01	2,160	9.81	50	460		for all parameters	11.0 gallons
	05/14/96		Sample	18:30					clear, colorless		
MW223	05/16/96	4.1	4.1	9:56	3,260	7.19	49	987	brown, very silty	Waterra/SS bailer	purged dry after
			8.2	10:00	3,280	6.86	50	660		for all parameters	3 volumes
			12.3	10:04	4,060	6.62	50	1,023			
	05/16/96		Sample	15:30					clear, slight brown tint		

SUMMARY OF MONITORING WELL DEVELOPMENT DATA
FOURTH ROUND OF GROUNDWATER SAMPLING
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Well I.D.	*Date Purged/ Sampled*	*Well Volume (gallons)*	*Purged Volume (gallons)*	*Time*	*Conductivity (µs/cm)*	*pH*	*Temperature (°F)*	*Turbidity (NTU)*	*Water Quality*	*Purge/Sampling Method*	*Comments*
MW224	05/17/96	4.3	4.3	9:10	2,980	7.28	53	1,057	very silty, muddy brown	Waterra/SS bailer for all parameters	good recharge
			8.6	9:20	2,840	6.87	52	670			
			12.9	9:25	2,820	6.85	53	750			
			17.2	9:31	2,790	6.83	52	1,050			
	05/17/96		Sample	11:00					cloudy, light brown		
MW301	05/15/96	8.7	8.7	11:38	3,350	7.23	54	17.5	clear, colorless	Grundfos pump with dedicated tubing/ SS bailer for all parameters	good recharge
			17.4	11:41	3,380	7.24	54	20			
			26.1	11:45	3,430	7.32	54	230			
	05/15/96		Sample	17:30					clear, colorless		
MW302	05/13/96	8.6	8.6	16:10	1,490	8.61	53	>200	dark gray, silty	Grundfos pump with dedicated tubing/ SS bailer for all parameters	purged dry after 15.0 gallons
	05/14/96		Sample	12:15					milky white, silty		
MW303	05/16/96	7.1	7.1	10:20	3,550	8.40	54	55	gray, silty	Waterra/SS bailer for all parameters	purged dry after 12.0 gallons
	05/16/96		Sample	15:45					clear, colorless		
MW304	05/14/96	9.2	9.2	14:35	3,000	7.88	52	11.5	light brown, silty	Grundfos pump with dedicated tubing/ SS bailer for all parameters	purged dry after 2 volumes
			18.4	14:40	3,070	7.77	53	92			
	05/14/96		Sample	17:30					clear, colorless		
MW305	05/14/96	6.7	6.7	15:03	3,130	6.61	52	70	cloudy, gray	Waterra/SS bailer for all parameters	good recharge
			13.4	15:08	3,060	6.49	52	140			
			20.1	15:15	2,990	6.42	54	132			
	05/14/96		Sample	17:00					clear, colorless		
MW306	05/17/96	10.4	10.4	10:35	1,410	8.53	55	85	slightly cloudy, gray, sulphur odor	Grundfos pump with dedicated tubing/ SS bailer for all parameters	good recharge, well pumped at 2.0 gpm
			20.8	10:40	1,430	8.65	55	94			
			31.2	10:50	1,430	8.55	55	40			
	05/17/96		Sample	11:30					clear, colorless		
MW307	05/16/96	8.8	8.8	11:04	1,970	8.42	53	640	cloudy, dark gray, slight chemical odor	Waterra/SS bailer for all parameters	purged dry after 14.0 gallons
	05/16/96		Sample	16:00					clear, colorless, slight chemical odor		

SUMMARY OF MONITORING WELL DEVELOPMENT DATA
FOURTH ROUND OF GROUNDWATER SAMPLING
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Well I.D.	*Date Purged/ Sampled*	*Well Volume (gallons)*	*Purged Volume (gallons)*	*Time*	*Conductivity (µs/cm)*	*pH*	*Temperature (°F)*	*Turbidity (NTU)*	*Water Quality*	*Purge/Sampling Method*	*Comments*
MW309	05/14/96	7.7	7.7	8:10	2,270	8.01	51	58	dark gray, silty	Waterra/SS bailer for all parameters	purged dry after 16.0 gallons
			15.4	8:20	2,200	8.24	52	530			
	05/14/96		Sample						clear, colorless		
MW319	05/16/96	8.6	8.6	8:45	3,720	9.41	53	30	clear, colorless	Grundfos pump with dedicated tubing/ SS bailer for all parameters	purged dry after 12.5 gallons
	05/16/96		Sample	16:15					clear, colorless		
MW320	05/14/96	12.9	12.9	10:21	1,710	8.19	51	420	dark gray-black, silty	Grundfos pump with dedicated tubing/ SS bailer for all parameters	purged dry after 20.0 gallons
	05/14/96		Sample	18:45					clear, colorless		
MW321	05/15/96	8.8	8.8	18:13	800	8.70	53	10.3	clear, colorless	Waterra/SS bailer for all parameters	purged dry after 2 volumes
	05/16/96		Sample	7:30					clear, colorless		
MW322	05/16/96	8.7	8.7	14:00	8,080	12.18	51	42	cloudy, milky white, silty	Grundfos pump with dedicated tubing/ SS bailer for all parameters	purged dry after 11.0 gallons
	05/16/96		Sample	19:30					clear, colorless		
MW323	05/15/96	9.8	9.8	17:52	950	8.28	52	65	clear, black tint	Grundfos pump with dedicated tubing/ SS bailer for all parameters	purged dry after 1 volume
	05/16/96		Sample	8:00					clear, colorless		
MW324	05/16/96	12.0	12.0	8:45	3,300	12.23	54	18	cloudy, gray	Grundfos pump with dedicated tubing/ SS bailer for all parameters	purged dry after 12.5 gallons
	05/16/96		Sample	12:00					clear, colorless		

Notes:

(1) SS bailer - Stainless steel bailer.
(2) NM - Not measured.

TABLE 3

SAMPLE KEY
FOURTH ROUND OF GROUNDWATER SAMPLING
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Sample Designation	*Date Sampled*	*Time Sampled*	*Well ID*	*Analysis*	*COC Record*	*Comments*
GW-6029-051396-DJT-001	05/13/96	17:30	MW202	VOCs, Metals	1925	
GW-6029-051496-DJT-002	05/14/96	08:30	MW109	VOCs, Metals	1925	
GW-6029-051496-DJT-003	05/14/96	09:45	MW109Dup	VOCs, Metals	1925	Duplicate Sample
RB-6029-051496-DJT-004	05/14/96	09:30	—	VOCs, Metals	1925	Rinse Blank (1)
GW-6029-051496-DJT-005	05/14/96	11:30	MW101	VOCs, Metals	1925	
GW-6029-051496-DJT-006	05/14/96	11:30	MW204	VOCs, Metals	1925	
GW-6029-051496-DJT-007	05/14/96	11:45	MW116	VOCs, Metals	1925	
GW-6029-051496-DJT-008	05/14/96	12:15	MW302	VOCs, Metals	1925	
TRIP BLANK	05/14/96	—	TB	VOCs	1925	Trip Blank
GW-6029-051496-DJT-009	05/14/96	16:30	MW205	VOCs, Metals	1926	MS/MSD
GW-6029-051496-DJT-010	05/14/96	17:00	MW305	VOCs, Metals	1926	
GW-6029-051496-DJT-011	05/14/96	17:30	MW115	VOCs, Metals	1926	
GW-6029-051496-DJT-012	05/14/96	17:30	MW304	VOCs, Metals	1926	
GW-6029-051496-DJT-013	05/14/96	17:45	MW201	VOCs, Metals	1926	
GW-6029-051496-DJT-014	05/14/96	18:00	MW209	VOCs, Metals	1926	
GW-6029-051496-DJT-015	05/14/96	18:15	MW309	VOCs, Metals	1926	
GW-6029-051496-DJT-016	05/14/96	18:30	MW220	VOCs, Metals	1926	
GW-6029-051496-DJT-017	05/14/96	16:00	MW220Dup	VOCs, Metals	1926	Duplicate Sample
GW-6029-051496-DJT-018	05/14/96	18:45	MW320	VOCs, Metals	1926	
RB-6029-051596-DJT-019	05/15/96	07:15	—	VOCs, Metals	1926	Rinse Blank (2)
GW-6029-051596-DJT-020	05/15/96	10:10	MW110	VOCs, Metals	1926	
GW-6029-051596-DJT-021	05/15/96	10:20	MW118	VOCs, Metals	1926	
GW-6029-051596-DJT-022	05/15/96	10:35	MW11	VOCs, Metals	1926	
TRIP BLANK	05/15/96	—	TB	VOCs	1926	Trip Blank
GW-6029-051596-DJT-023	05/15/96	15:30	MW4	VOCs, Metals	1927	
GW-6029-051596-DJT-024	05/15/96	15:45	MW113	VOCs, Metals	1927	
GW-6029-051596-DJT-025	05/15/96	17:00	MW206	VOCs, Metals	1927	
GW-6029-051596-DJT-026	05/15/96	16:00	MW102	VOCs, Metals	1927	
GW-6029-051596-DJT-027	05/15/96	16:30	MW103	VOCs, Metals	1927	
GW-6029-051596-DJT-028	05/15/96	16:15	MW114	VOCs, Metals	1927	
GW-6029-051596-DJT-029	05/15/96	17:15	MW117	VOCs, Metals	1927	
GW-6029-051596-DJT-030	05/15/96	17:30	MW301	VOCs, Metals	1927	
RB-6029-051696-DJT-031	05/16/96	07:15	—	VOCs, Metals	1927	Rinse Blank (3)
GW-6029-051696-DJT-032	05/16/96	07:30	MW321	VOCs, Metals	1927	
GW-6029-051696-DJT-033	05/16/96	12:00	MW321Dup	VOCs, Metals	1927	Duplicate Sample
GW-6029-051696-DJT-034	05/16/96	08:00	MW323	VOCs, Metals	1927	
TRIP BLANK	05/16/96	—	TB	VOCs	1927	Trip Blank
GW-6029-051696-DJT-035	05/16/96	15:00	MW107	VOCs, Metals	1928	
GW-6029-051696-DJT-036	05/16/96	17:00	MW107Dup	VOCs, Metals	1928	Duplicate Sample
GW-6029-051696-DJT-037	05/16/96	15:15	MW219	VOCs, Metals	1928	
GW-6029-051696-DJT-038	05/16/96	15:30	MW223	VOCs, Metals	1928	
GW-6029-051696-DJT-039	05/16/96	15:45	MW303	VOCs, Metals	1928	
GW-6029-051696-DJT-040	05/16/96	16:00	MW307	VOCs, Metals	1928	
GW-6029-051696-DJT-041	05/16/96	16:15	MW319	VOCs, Metals	1928	
GW-6029-051696-DJT-042	05/16/96	16:30	MW203	VOCs, Metals	1928	MS/MSD
A-6029-051696-DJT-043	05/16/96	16:45	Influent	VOCs	1928	Air Sample
A-6029-051696-DJT-044	05/16/96	16:45	Effluent	VOCs	1928	Air Sample

TABLE 3

SAMPLE KEY
FOURTH ROUND OF GROUNDWATER SAMPLING
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Sample Designation	*Date Sampled*	*Time Sampled*	*Well ID*	*Analysis*	*COC Record*	*Comments*
RB-6029-051696-DJT-045	05/16/96	17:00	—	VOCs, Metals	1928	Rinse Blank (4)
GW-6029-051696-DJT-046	05/16/96	18:00	MW104	VOCs, Metals	1928	
GW-6029-051696-DJT-047	05/16/96	18:15	MW106	VOCs, Metals	1928	
GW-6029-051696-DJT-048	05/16/96	19:00	MW106Dup	VOCs, Metals	1928	Duplicate Sample
GW-6029-051696-DJT-049	05/16/96	17:45	MW105	VOCs, Metals	1928	
GW-6029-051696-DJT-050	05/16/96	19:15	MW111	VOCs, Metals	1928	
GW-6029-051796-DJT-051	05/17/96	11:45	MW108	VOCs, Metals	1929	
GW-6029-051696-DJT-052	05/16/96	19:30	MW322	VOCs, Metals	1928	
RB-6029-051796-DJT-053	05/17/96	07:30	—	VOCs, Metals	1929	Rinse Blank (5)
GW-6029-051796-DJT-054	05/17/96	10:30	MW207	VOCs, Metals	1929	
GW-6029-051796-DJT-055	05/17/96	11:00	MW224	VOCs, Metals	1929	MS/MSD
GW-6029-051796-DJT-056	05/17/96	11:30	MW306	VOCs, Metals	1929	
GW-6029-051796-DJT-057	05/17/96	12:00	MW324	VOCs, Metals	1929	
SW-6029-051796-DJT-058	05/17/96	13:00	S&E Ditches	VOCs, SVOCs, Pesticides, PCBs	1929	MS/MSD Surface Water
SW-6029-051796-DJT-059	05/17/96	12:45	S&E Ditches Dup	VOCs, SVOCs, Pesticides, PCBs	1929	Duplicate Sample
TRIP BLANK	05/17/96	—	TB	VOCs	1929	Trip Blank

Notes:

(1) Following the rinse blank the bailer was used in MW101.
(2) Following the rinse blank the bailer was used in MW110.
(3) Following the rinse blank the bailer was used in MW321.
(4) Following the rinse blank the pump was used in MW324.
(5) Following the rinse blank the bailer was used in MW324.

ATTACHMENT A

CHAINS-OF-CUSTODY

CHAIN OF CUSTODY RECORD

CRA
CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd. Suite Three
Niagara Falls, NY 14304 (716)297-6150

SHIPPED TO (Laboratory Name): [illegible]

REFERENCE NUMBER: 6029 50 Summit National 4th GW Sampling Round

SAMPLER'S SIGNATURE: David Tyran PRINTED NAME: David J Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: VOCs w/HCL		Metals w/HNO3								REMARKS
	5.13.96	1730	GW 6029 051396 DJT 001	water	3	2		1								
	5.14.96	0830	GW 6029 051496 DJT 002	↓	3	2		1								
	5.14.96	0945	GW 6029 051496 DJT 003	↓	3	2		1								
	↓	0930	RB 6029 051496 DJT 004	DJ water	3	2		1								
	↓	1130	GW 6029 051496 DJT 005	water	3	2		1								
	↓	1130	GW 6029 051496 DJT 006	↓	3	2		1								
	↓	1145	GW 6029 051496 DJT 007	↓	3	2		1								
	↓	1215	GW 6029 051496 DJT 008	↓	3	2		1								
			TRIP Blank	DJ water	2	2										
			TOTAL NUMBER OF CONTAINERS		26	HEALTH/CHEMICAL HAZARDS										

RELINQUISHED BY: ① David Tyran	DATE: 5.14.96 TIME: 1300	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: Courier WAY BILL No.

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SAMPLE TEAM: John Byers, David Tyran

RECEIVED FOR LABORATORY BY:

DATE: TIME:

№ NF-1925

1001 (D) OCT 31/94(NF) REV.1 (F-05)

CHAIN OF CUSTODY RECORD

CRA
CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd. Suite Three
Niagara Falls, NY 14304 (716)297-6150

SHIPPED TO (Laboratory Name): NUS

REFERENCE NUMBER: [illegible] Summit National [illegible] Round GW sampling

SAMPLER'S SIGNATURE: [illegible] PRINTED NAME: David J Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: VOC 624/8260	PARAMETERS: Metals 6010/7470									REMARKS
	5/14/96	1630	GW 6029 051496 DJT 009	water	9	6		3								
		1700	GW 6029 051496 DJT 010		3	2		1							*	Note: Yellow Spike
		1730	GW 6029 051496 DJT 011		3	2		1								and Yellow Spike
		1730	GW 6029 051496 DJT 012		3	2		1								Double Volume
		1715	GW 6029 051496 DJT 013		3	2		1								Yellow for Sample
		1800	GW 6029 051496 DJT 014		3	2		1								GW 6029 051496 DJT 009
		1815	GW 6029 051496 DJT 015		3	2		1								
		1830	GW 6029 051496 DJT 016		3	2		1								
		1600	GW 6029 051496 DJT 017		3	2		1								
		1815	GW 6029 051496 DJT 018		3	2		1								
	5/15/96	0715	RB 6029 051596 DJT-019	DI water	2	2		1								
		1010	GW 6029 051596 DJT 020	water	3	2		1								
		1020	GW 6029 051596 DJT 021		3	2		1								
		1035	GW 6029 051596 DJT 022		3	2		1								
			TRIP Blank	DI water	2	2										
TOTAL NUMBER OF CONTAINERS					50	HEALTH/CHEMICAL HAZARDS										

RELINQUISHED BY: ① [signature]	DATE: 1400 TIME: 5/15/96	RECEIVED BY: ② [signature]	DATE: 5-15-96 TIME: 14:0
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: Courier WAY BILL No.

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SAMPLE TEAM: David Tyran, John Byers

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№ NF-1926

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CHAIN OF CUSTODY RECORD

CRA
CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd. Suite Three
Niagara Falls, NY 14304 (716)297-6150

SHIPPED TO (Laboratory Name): NUS Labs.

REFERENCE NUMBER: 6029 D Summit National 4th Round GW Sampling

SAMPLER'S SIGNATURE: David J Tyran PRINTED NAME: David J Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: VOCs w/HCL	PARAMETERS: Metals w/HNO3									REMARKS
	5.15.96	1530	GW 6029.051596.DJT 023	water	3	2		1								
		1545	GW 6029 051596 DJT 024		3	2		1								
		1700	GW 6029.051596 DJT 025		3	2		1								
		1600	GW 6029 051596 DJT 026		3	2		1								
		1630	GW 6029 051596 DJT 027		3	2		1								
		1615	GW 6029 051596 DJT 028		3	2		1								
		1715	GW 6029 051596 DJT 029		3	2		1								
		1730	GW 6029.051596 DJT 030		3	2		1								
	5.16.96	0715	RB 6029 051696 DJT 031	DJT water	3	2		1								
		0730	GW 6029.051696 DJT 032	water	3	2		1								
		1200	GW 6029 051696 DJT 033		3	2		1								
		0800	GW 6029 051696 DJT 034		3	2		1								
			TRIP BLANK	DJT water	2	2										
			TOTAL NUMBER OF CONTAINERS		38	HEALTH/CHEMICAL HAZARDS										

RELINQUISHED BY: ① David J Tyran	DATE: 5.16.96 TIME: 1400	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: Courier WAY BILL No.

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SAMPLE TEAM: David Tyran, John Byers

RECEIVED FOR LABORATORY BY:

DATE: TIME:

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CHAIN OF CUSTODY RECORD

CRA
CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd. Suite Three
Niagara Falls, NY 14304 (716)297-6150

SHIPPED TO (Laboratory Name): NUS

REFERENCE NUMBER: 6029 50
Summit National 4th
Round Groundwater Sampling

SAMPLER'S SIGNATURE: David J. Tyran PRINTED NAME: David J. Tyran

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	VOC w/HCL		Metals w/HNO3		TCL VOC w/HCL		SVOC, Pest PCB		Summ. Cyanide		REMARKS
	5/6/96	1500	GW 6029 051696 DJT 035	water	3	2		1								
		1700	GW 6029 051696 DJT 036		3	2		1								
		1515	GW 6029 051696 DJT 037		3	2		1								
		1530	GW 6029 051696 DJT 038		3	2		1								
		1545	GW 6029 051696 DJT 039		3	2		1								
		1600	GW 6029 051696 DJT 040		3	2		1								
		1615	GW 6029 051696 DJT 041		3	2		1								
		1630	GW 6029 051696 DJT 042		9	6		3								
		1645	A 6029 051696 DJT 043	Air	1									1		
		1615	A 6029 051696 DJT 044	Air	1									1		
		1700	RB 6029 051696 DJT 045	DI water	3	2		1								
		1800	GW 6029 051696 DJT 046	water	3	2		1								
		1815	GW 6029 051696 DJT 047		3	2		1								
		1900	GW 6029 051696 DJT 048		3	2		1								
		1745	GW 6029 051696 DJT 049		3	2		1								
		1915	GW 6029 051696 DJT 050		3	2		1								
		1930	GW 6029 051696 DJT 052		3	2		1								
			TOTAL NUMBER OF CONTAINERS		53	HEALTH/CHEMICAL HAZARDS										

RELINQUISHED BY: ① David J. Tyran	DATE: 5/7/96 TIME: 1415	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: Courier WAY BILL No.

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SAMPLE TEAM: David Tyran, John Burpis

RECEIVED FOR LABORATORY BY:
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CHAIN OF CUSTODY RECORD

CRA
CONESTOGA-ROVERS & ASSOCIATES
2055 Niagara Falls Blvd. Suite Three
Niagara Falls, NY 14304 (716)297-6150

SHIPPED TO (Laboratory Name): NUS Labs

REFERENCE NUMBER: 6029 50
Summit National 4th Round Groundwater Sampling

SAMPLER'S SIGNATURE: David J Tyson PRINTED NAME: David J Tyson

SEQ. No.	DATE	TIME	SAMPLE No.	SAMPLE TYPE	No. OF CONTAINERS	PARAMETERS: VOC w/HCL		Metals w/HNO3		TL VOC w/HCL		SVOC Pest PCB				REMARKS
	5-17-96	0730	RB 6029 051796 DJT 053	DI water	3	2		1								
		1030	GW 6029 051796 DJT 054	water	3	2		1								
		1100	GW 6029 051796 DJT 055		9	6		3								
		1130	GW 6029 051796 DJT 056		3	2		1								
		1200	GW 6029 051796 DJT 057		3	2		1								
		1145	GW 6029 051796 DJT 051		3	2		1								
		1300	SW 6029 051796 DJT 058		8					6		2				
		1245	SW 6029 051796 DJT 059		3					2		1				
			TRIP BLANK		2	2										
			Note: Matrix Spike and Matrix Spike Duplicate volume taken for Samples													
			GW 6029 051696 DJT 012, GW 6029 051796 DJT 035 and SW 6029 051796 058													
					37											
			From Pg 1		53											
			TOTAL NUMBER OF CONTAINERS		90	HEALTH/CHEMICAL HAZARDS										

RELINQUISHED BY: ① David J Tyson	DATE: 5-17-96 TIME: 1415	RECEIVED BY: ②	DATE: TIME:
RELINQUISHED BY: ②	DATE: TIME:	RECEIVED BY: ③	DATE: TIME:
RELINQUISHED BY: ③	DATE: TIME:	RECEIVED BY: ④	DATE: TIME:

METHOD OF SHIPMENT: Courier WAY BILL No.

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SAMPLE TEAM: David Tyson, John Byers

RECEIVED FOR LABORATORY BY: DATE: TIME:

№ NF-1929

1001 (D) OCT 31/94(NF) REV.1 (F-05)

B

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		EW1	EW1	EW1	EW2	EW2	EW2	EW3	EW3
Sample ID:		RW-033	RW-033B	W-CJ-008	RW-048	W-CJ-009	W-CJ-010	RW-036	RW-036B
Date Sampled:		11/12/94	11/15/94	05/03/95	11/15/94	05/03/95	05/03/95	11/14/94	11/15/94
							Dupl.		
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	NS	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	NS	ND(5)
1,2-DICHLOROETHANE	ug/L	NS	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	NS	7
ACETONE	ug/L	NS	ND(10)	190	340 D	71	ND(500) D	NS	12 UB
ETHYLBENZENE	ug/L	NS	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	NS	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	NS	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	NS	ND(5)
XYLENES, TOTAL	ug/L	NS	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	NS	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	NS	ND(5)	ND(5)	ND(5)	6	5	NS
LEAD, TOTAL	ug/L	3 J	NS	6 J	1 J	2 J	2 J	1 J	NS
NICKEL, TOTAL	ug/L	ND(20)	NS	ND(20)	20	ND(100)	ND(20)	ND(20)	NS

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		EW3	EW3	EW3	EW4	EW4	EW5	EW5	EW5
Sample ID:		RW-038	RW-038B	W-CJ-011	RW-049	W-CJ-012	RW-037	RW-037B	W-CJ-013
Date Sampled:		11/14/94	11/15/94	05/03/95	11/15/94	05/03/95	11/14/94	11/15/94	05/03/95
		Dupl.	Dupl.						
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	NS	ND(5)	ND(5)	ND(5)	ND(5)	NS	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	NS	7	ND(5)	ND(5)	ND(5)	NS	ND(5)	ND(5)
ACETONE	ug/L	NS	18	ND(50)	ND(10)	ND(50)	NS	ND(10)	ND(50)
ETHYLBENZENE	ug/L	NS	ND(5)	ND(5)	ND(5)	ND(5)	NS	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	NS	ND(5)	ND(5)	ND(5)	ND(5)	NS	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	NS	ND(5)	ND(5)	ND(5)	ND(5)	NS	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	7	NS	ND(5)	ND(5)	ND(5)	5	NS	40
LEAD, TOTAL	ug/L	ND(1) UJ	NS	ND(5) UJ	1 J	ND(1) UJ	2 J	NS	2 J
NICKEL, TOTAL	ug/L	ND(20)	NS	ND(20)	ND(20)	ND(20)	ND(20)	NS	40

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		EW6	EW6	EW6	MW4	MW4	MW4	MW4	MW11
Sample ID:		RW-050	RW-050B	W-CJ-014	RW-001	W-CJ-002	GW-CJJ-030	GW-DJT-023	RW-043
Date Sampled:		11/15/94	11/16/94	05/03/95	11/08/94	05/02/95	10/29/95	05/15/96	11/14/94
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	93
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(10)	ND(10)	1900 D	21 UB	ND(50)	ND(50)	ND(50)	24
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5)	5	5	ND(5)	ND(5.0)	ND(5)	NS
LEAD, TOTAL	ug/L	2 J	2 J	4 J	ND(1) UJ	ND(5)	ND(5.0) UJ	ND(10) UJ	NS
NICKEL, TOTAL	ug/L	ND(20)	ND(20)	ND(20)	ND(20)	ND(20)	ND(20.0)	30	NS

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW11	MW11	MW11	MW11	MW11	MW25	MW25	MW101
Sample ID:		SMH-67	W-CJ-051A	W-CJ-051B	GW-LMA-031A	GW-DJT-022	RW-041	W-CJ-059	RW-029
Date Sampled:		02/02/95	05/09/95	05/11/95	10/29/95	05/15/96	11/14/94	05/11/95	11/12/94
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	NS	150	NS	97	69	26	7	ND(5)
1,2-DICHLOROETHANE	ug/L	NS	ND(8)	NS	ND(5)	ND(5)	240	110	ND(5)
ACETONE	ug/L	NS	84	NS	ND(50)	ND(50)	49 U	ND(50)	ND(10)
ETHYLBENZENE	ug/L	NS	ND(8)	NS	ND(5)	ND(5)	15	5	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	NS	ND(8)	NS	ND(5)	ND(5)	30	ND(5)	ND(5) UJ
XYLENES, TOTAL	ug/L	NS	ND(8)	NS	ND(5)	ND(5)	54	ND(5)	ND(5) UJ
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	87	24	24	NS	ND(5) UJ	ND(5)	ND(5)	7
LEAD, TOTAL	ug/L	99	23	23 J	NS	8	120 J	3	ND(2) UJ
NICKEL, TOTAL	ug/L	320	NS	100	NS	30	390	ND(20)	110

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW101	MW101	MW101	MW102	MW102	MW102	MW102	MW103
Sample ID:		W-LA-021	GW-CJJ-016	GW-DJT-005	RW-031	W-LA-019	GW-CJJ-018	GW-DJT-026	RW-024
Date Sampled:		05/04/95	10/27/95	05/14/96	11/12/94	05/04/95	10/28/95	05/15/96	11/11/94
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5) UJ
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5) UJ
ACETONE	ug/L	ND(50)	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)	ND(10) UJ
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5) UJ
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5) UJ
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5) UJ
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	7	ND(5.0)	ND(5)	7	10	6.0	ND(5)	ND(5)
LEAD, TOTAL	ug/L	ND(8) UJ	37.8 J	ND(20) UJ	6 J	18 J	58.1 JN	ND(10) UJ	8 J
NICKEL, TOTAL	ug/L	70	114	84	100	130	190	120	20

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW103	MW103	MW103	MW104	MW104	MW104	MW104	MW104
Sample ID:		W-CJ-023	GW-LMA-013	GW-DJT-027	RW-023	W-CJ-034	GW-CJJ-033	GW-CJJ-034	GW-DJT-046
Date Sampled:		05/04/95	10/27/95	05/15/96	11/11/94	05/06/95	10/30/95	10/30/95	05/16/96
								Dupl.	
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5.0)	ND(5)	ND(5)	11	ND(5.0)	ND(5.0)	ND(5)
LEAD, TOTAL	ug/L	ND(5) UJ	1.8 J	ND(10) UJ	32 J	190 J	124 J	129 J	15 J
NICKEL, TOTAL	ug/L	30	ND(20.0)	ND(20)	90	770	294	297	50

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW105	MW105	MW105	MW105	MW106	MW106	MW106	MW106
Sample ID:		RW-009A	W-CJ-006	GW-LMA-035	GW-DJT-049	SMH-65	W-CJ-048	W-CJ-049	GW-CJJ-051
Date Sampled:		11/09/94	05/03/95	10/30/95	05/16/96	01/11/95	05/09/95	05/09/95	11/01/95
								Dupl.	
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(10)	ND(50)	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	7	ND(5.0)	ND(5)	21	5	14	ND(5.0)
LEAD, TOTAL	ug/L	13 J	28	15.0 J	ND(8) UJ	110	30	47 J	32.5 J
NICKEL, TOTAL	ug/L	30	130	90.0	90	450	100	160	144

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW106	MW106	MW107	MW107	MW107	MW107	MW107	MW108
Sample ID:		GW-DJT-047	GW-DJT-048	RW-056	W-CJ-056	GW-CJJ-042	GW-DJT-035	GW-DJT-036	RW-017
Date Sampled:		05/16/96	05/16/96	11/14/94	05/10/95	10/31/95	05/16/96	05/16/96	11/10/94
			Dupl.					Dupl.	
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	130	1500 D	470	670	800	12
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	440 D	1800 D	320	50	57	21
ACETONE	ug/L	ND(50)	ND(50)	34000 D	180	4100	7700 DE	7200 DE	ND(10)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	1050 D	ND(250)	320	380	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	73	9700 D	1900	3000 D	3600 D	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	6	3400 D	490	1100	1300	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5.0)	ND(5)	ND(5)	ND(5)
LEAD, TOTAL	ug/L	ND(8) UJ	ND(8) UJ	8 J	2	2.8	1 J	1 J	19 J
NICKEL, TOTAL	ug/L	40	40	50	50	34.0	30	40	60

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW108	MW108	MW109	MW109	MW109	MW109	MW109	MW109
Sample ID:		W-CJ-016	GW-DJT-051	RW-004	RW-005	W-CJ-004	GW-CJJ-023A	GW-DJT-002	GW-DJT-003
Date Sampled:		05/04/95	05/17/96	11/08/94	11/08/94	05/03/95	10/28/95	05/14/96	05/14/96
					Dupl.				Dupl.
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	20	24	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	27	36	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	100 D	ND(50)	ND(10)	11 U	ND(50)	ND(50)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	5	ND(5)	ND(5)	ND(5)	ND(5)	ND(10.0)	ND(5)	ND(5)
LEAD, TOTAL	ug/L	7 J	2 J	13 J	25 J	31	8.5 J	ND(10) UJ	ND(20) UJ
NICKEL, TOTAL	ug/L	20	30	30 J	150 J	90	80.0	88	80

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW110	MW110	MW110	MW110	MW110	MW110	MW111	MW111
Sample ID:		RW-003A	RW-003B	W-CJ-003	GW-CJJ-028A	GW-CJJ-028C	GW-DJT-020	RW-010	W-CJ-005
Date Sampled:		11/08/94	11/09/94	05/02/95	10/28/95	10/30/95	05/15/96	11/09/94	05/03/95
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	NS	ND(5)	ND(5)	NS	ND(5)	8 J	20
1,2-DICHLOROETHANE	ug/L	ND(5)	NS	ND(5)	ND(5)	NS	ND(5)	42 J	94
ACETONE	ug/L	ND(10)	NS	ND(50)	ND(50)	NS	ND(50)	270 D,J	ND(50)
ETHYLBENZENE	ug/L	ND(5)	NS	ND(5)	ND(5)	NS	ND(5)	ND(5) UJ	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	NS	ND(5)	ND(5)	NS	ND(5)	ND(5) UJ	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	NS	ND(5)	ND(5)	NS	ND(5)	ND(5) UJ	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	NS	ND(5)	ND(5)	NS	ND(5.0)	ND(5)	ND(5)	6
LEAD, TOTAL	ug/L	NS	2 J	ND(1)	NS	1.6	ND(1) UJ	4	26
NICKEL, TOTAL	ug/L	NS	ND(20)	ND(20)	NS	23.0	ND(20)	80	60

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW111	MW111	MW113	MW113	MW113	MW113	MW113	MW114
Sample ID:		GW-CJJ-036	GW-DJT-050	SMH-63	SMH-66	W-CJ-017	GW-LMA-054	GW-DJT-024	RW-060
Date Sampled:		10/30/95	05/16/96	01/11/95	02/02/95	05/04/95	11/01/95	05/15/96	11/16/94
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	12	ND(5)	NS	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	53	97	ND(5)	NS	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	ND(50)	ND(10)	NS	ND(50)	ND(50)	ND(50)	ND(10)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	NS	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	NS	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	NS	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5.0)	ND(5)	NS	ND(5)	12	NS	ND(5)	ND(5)
LEAD, TOTAL	ug/L	52.3 J	ND(8) UJ	NS	90	99 J	NS	ND(10) UJ	10 J
NICKEL, TOTAL	ug/L	145	40	NS	140	200	NS	60	250

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW114	MW114	MW114	MW115	MW115	MW115	MW115	MW116
Sample ID:		W-LA-031	GW-LMA-007	GW-DJT-028	RW-011	W-LA-028	GW-CJJ-005	GW-DJT-011	RW-012A
Date Sampled:		05/05/95	10/26/95	05/15/96	11/10/94	05/05/95	10/26/95	05/14/96	11/10/94
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)	10
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5) UJ
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5) UJ
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	5	ND(5.0)	ND(5)	ND(5)	ND(5)	ND(5.0)	ND(5)	NS
LEAD, TOTAL	ug/L	20 J	1.4 J	ND(10) UJ	ND(2) UJ	ND(10) UJ	14.2 J	ND(5) UJ	NS
NICKEL, TOTAL	ug/L	190	133	50	ND(20)	ND(20)	21.0	80	NS

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW116	MW116	MW116	MW117	MW117	MW117	MW117	MW117
Sample ID:		W-LA-040A	GW-LMA-006A	GW-DJT-007	RW-013	W-CJ-024	W-CJ-025	GW-LMA-001	GW-DJT-029
Date Sampled:		05/07/95	10/26/95	05/14/96	11/10/94	05/05/95	05/05/95	10/25/95	05/15/96
							Dupl.		
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	260 D	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	NS	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	NS	NS	ND(5)	ND(5)	ND(5)	ND(5)	ND(5.0)	ND(5)
LEAD, TOTAL	ug/L	NS	NS	ND(10) UJ	10 J	ND(8) UJ	ND(8) UJ	18.3 J	ND(20) UJ
NICKEL, TOTAL	ug/L	NS	NS	25	50	60	60	75.0	120

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW118	MW118	MW118	MW118	MW201	MW201	MW201	MW201
Sample ID:		RW-002	W-CJ-001	GW-LMA-027	GW-DJT-021	RW-028	W-CJ-022	GW-LMA-015	GW-DJT-013
Date Sampled:		11/08/94	05/02/95	10/28/95	05/15/96	11/12/94	05/04/95	11/27/95	05/14/96
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(10)	ND(50)	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5)	ND(5.0)	ND(5)	ND(5)	ND(5)	ND(5.0)	ND(5)
LEAD, TOTAL	ug/L	18 J	12	10.5	ND(10) UJ	5 J	6 J	40.0 J	6 J
NICKEL, TOTAL	ug/L	70	20	56.0	40	ND(20)	ND(20)	40.0	ND(20)

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW202	MW202	MW202	MW202	MW203	MW203	MW203	MW203
Sample ID:		RW-032	W-CJ-020	GW-LMA-019	GW-DJT-001	RW-045	W-LA-044	GW-CJJ-040	GW-DJT-042
Date Sampled:		11/12/94	05/04/95	10/28/95	05/13/96	11/14/94	05/08/95	10/31/95	05/16/96
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(10)	1200 D	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	5	ND(5)	ND(5.0)	ND(5)	ND(5)	ND(5)	ND(5.0)	ND(5)
LEAD, TOTAL	ug/L	9 J	6 J	ND(1.0) UJ	5 J	6	18	9.7 S	9 J
NICKEL, TOTAL	ug/L	ND(20)	40	27.0	ND(20)	ND(20)	90	35.0	20

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW204	MW204	MW204	MW204	MW204	MW204	MW205	MW205
Sample ID:		RW-021	W-CJ-035A	W-CJ-035A	W-CJ-035C	GW-LMA-009	GW-DJT-006	RW-014	W-LA-026
Date Sampled:		11/11/94	05/06/95	05/07/95	05/08/95	10/26/95	05/14/96	11/10/94	05/05/95
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	NS	NS	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	NS	NS	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(10)	ND(50)	NS	NS	ND(50)	ND(50)	12 UB	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	NS	NS	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	NS	NS	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	NS	NS	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	NS	ND(5)	ND(5)	ND(5.0)	ND(5)	5	7
LEAD, TOTAL	ug/L	28 J	NS	16	16	ND(1.0) UJ	ND(9) UJ	ND(2) UJ	ND(20) UJ
NICKEL, TOTAL	ug/L	80	NS	50	50	ND(20.0)	24	20	40

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW205	MW205	MW206	MW206	MW206	MW206	MW207	MW207
Sample ID:		GW-LMA-003	GW-DJT-009	RW-040	W-CJ-050A	GW-LMA-052	GW-DJT-025	RW-042	W-LA-054
Date Sampled:		10/25/95	05/14/96	11/14/94	05/09/95	11/01/95	05/15/96	11/14/94	05/10/95
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)	ND(10)	77
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5.0)	ND(5)	NS	NS	ND(5.0)	ND(5)	ND(5)	ND(5)
LEAD, TOTAL	ug/L	ND(1.0) UJ	ND(5) UJ	NS	NS	26.1 J	20 J	2	15
NICKEL, TOTAL	ug/L	39.0	40	NS	NS	105	90	20	ND(20)

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW207	MW207	MW207	MW209	MW209	MW209	MW209	MW209
Sample ID:		W-LA-055	GW-LMA-043	GW-DJT-054	RW-007	W-CJ-015	GW-LMA-024	GW-LMA-025	GW-DJT-014
Date Sampled:		05/10/95	10/31/95	05/17/96	11/08/94	05/04/95	10/28/95	10/28/95	05/14/96
		Dupl.						Dupl.	
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	79	ND(50)	ND(50)	ND(10)	120 D	ND(50)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5.0)	ND(5)	ND(5)	6	ND(5.0)	ND(5.0)	ND(10)
LEAD, TOTAL	ug/L	ND(10) J	ND(1.0) UJ	ND(10) UJ	7 J	2 J	8.5	12.0	ND(8) UJ
NICKEL, TOTAL	ug/L	ND(20)	33.0	ND(20)	50	20	47.0	53.0	20

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW219	MW219	MW219	MW219	MW220	MW220	MW220	MW223
Sample ID:		RW-056B	W-LA-060	GW-CJJ-053	GW-DJT-037	GW-LMA-063	GW-DJT-016	GW-DJT-017	GW-CJJ-064
Date Sampled:		11/15/94	05/12/95	11/01/95	05/16/96	11/02/95	05/14/96	05/14/96	11/02/95
								Dupl.	
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	7
ACETONE	ug/L	ND(10)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5)	ND(5.0)	ND(5)	ND(5.0)	ND(5)	ND(5)	ND(5.0)
LEAD, TOTAL	ug/L	32 J	6	18.1 J	19 J	79.8 S	7 J	6 J	68.5 S
NICKEL, TOTAL	ug/L	30	ND(20)	ND(20.0)	ND(20)	117	ND(20)	30	86.0

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW223	MW224	MW224	MW301	MW301	MW301	MW301	MW302
Sample ID:		GW-DJT-038	GW-LMA-048	GW-DJT-055	RW-026	W-CJ-038	GW-CJJ-014	GW-DJT-030	RW-027
Date Sampled:		05/16/96	11/01/95	05/17/96	11/11/94	05/06/95	10/27/95	05/15/96	11/11/94
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	7	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)	ND(10)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5) UJ
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5) UJ	ND(5)	ND(5)	ND(5)	ND(5) UJ
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5.0)	ND(5)	ND(5)	ND(5)	ND(5.0)	ND(5)	7
LEAD, TOTAL	ug/L	ND(20) UJ	62.5 J	26 J	1 J	5 J	ND(1.0) UJ	6 J	46 J
NICKEL, TOTAL	ug/L	30	20.0	50	ND(20)	ND(20)	ND(20.0)	ND(20)	210

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW302	MW302	MW302	MW303	MW303	MW303	MW303	MW304
Sample ID:		W-LA-039	GW-CJJ-020	GW-DJT-008	RW-046	W-CJ-045	GW-LMA-041	GW-DJT-039	RW-022
Date Sampled:		05/07/95	10/28/95	05/14/96	11/14/94	05/08/95	10/31/95	05/16/96	11/11/94
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	130	ND(50)	ND(50)	ND(10)	91	ND(50)	ND(50)	ND(10)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	5	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5.0)	ND(5)	ND(5)	ND(5)	ND(5.0)	ND(5)	ND(5)
LEAD, TOTAL	ug/L	11 J	6.8 J	5 J	3	23	10.3 S	5 J	6 J
NICKEL, TOTAL	ug/L	40	62.0	26	ND(20)	100	83.0	ND(20)	30

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW304	MW304	MW304	MW304	MW305	MW305	MW305	MW305
Sample ID:		W-CJ-030	GW-CJJ-010	GW-CJJ-011	GW-DJT-012	RW-015	W-CJ-027	GW-CJJ-002	GW-DJT-010
Date Sampled:		05/05/95	10/26/95	10/26/95	05/14/96	11/10/94	05/05/95	10/25/95	05/14/96
				Dupl.					
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(25.0)	ND(5.0)	ND(5)	ND(5)	ND(5)	ND(10.0)	ND(5)
LEAD, TOTAL	ug/L	5	ND(1.0) UJ	ND(1.0) UJ	5 J	ND(1) UJ	ND(1) UJ	2.9 J	3.5 J
NICKEL, TOTAL	ug/L	ND(20)	ND(20.0)	ND(20.0)	ND(20)	ND(20)	20	ND(20.0)	40

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW306	MW306	MW306	MW306	MW307	MW307	MW307	MW307
Sample ID:		RW-054	W-LA-053	GW-CJJ-049	GW-DJT-056	RW-044	W-CJ-058	GW-CJJ-044	GW-CJJ-045
Date Sampled:		11/15/94	05/10/95	11/01/95	05/17/96	11/14/94	05/11/95	10/31/95	10/31/95
									Dupl.
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	11 UB	ND(50)	ND(50)	ND(50)	ND(10)	65	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5)	ND(5.0)	ND(5)	ND(5)	ND(5)	ND(5.0)	ND(5.0)
LEAD, TOTAL	ug/L	ND(1) UJ	ND(1)	1.4	4 J	3	3	3.9	4.5
NICKEL, TOTAL	ug/L	ND(20)	ND(20)	ND(20.0)	ND(20)	ND(20)	ND(20)	ND(20.0)	ND(20.0)

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW307	MW309	MW309	MW309	MW309	MW319	MW319	MW319
Sample ID:		GW-DJT-040	RW-006	W-CJ-007	GW-CJJ-026	GW-DJT-015	RW-039	W-CJ-046	GW-LMA-057
Date Sampled:		05/16/96	11/08/94	05/03/95	10/28/95	05/14/96	11/14/94	05/09/95	11/02/95
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	10 UB	ND(50)	ND(50)	ND(50)	ND(10)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5.0)	ND(5)	ND(5)	ND(5)	ND(5.0)
LEAD, TOTAL	ug/L	4 J	10 J	4 J	1.6	3 J	17	3	2.1 J
NICKEL, TOTAL	ug/L	ND(20)	30	30	51.0	40	50	ND(20)	ND(20.0)

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW319	MW320	MW320	MW320	MW321	MW321	MW321	MW322
Sample ID:		GW-DJT-041	GW-CJJ-061	GW-CJJ-062	GW-DJT-018	GW-CJJ-058	GW-DJT-032	GW-DJT-033	GW-LMA-037
Date Sampled:		05/16/96	11/02/95	11/02/95	05/14/96	11/02/95	05/16/96	05/16/96	10/30/95
				Dupl.				Dupl.	
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5.0)	ND(5.0)	ND(5)	ND(5.0)	ND(5)	ND(5)	ND(5.0)
LEAD, TOTAL	ug/L	10 J	4.0	6.9	3 J	3.4 J	5 J	5 J	17.5 J
NICKEL, TOTAL	ug/L	ND(20)	ND(20.0)	ND(20.0)	30	ND(20.0)	ND(20)	ND(20)	23.0

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW322	MW323	MW323	MW324	MW324	MW401	MW401	MW401
Sample ID:		GW-DJT-052	GW-LMA-039	GW-DJT-034	GW-LMA-046	GW-DJT-057	RW-051	RW-052	W-CJ-043
Date Sampled:		05/16/96	10/31/95	05/16/96	10/31/95	05/17/96	11/15/94	11/15/94	05/08/95
								Dupl.	
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	ND(50)	ND(50)	ND(50)	ND(50)	ND(10)	ND(10)	88
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5)	ND(5.0)	ND(5)	ND(5.0)	ND(5)	ND(5)	ND(5)	ND(5)
LEAD, TOTAL	ug/L	2 J	9.1 J	3 J	8.8	4 UJ	2 J	2 J	2
NICKEL, TOTAL	ug/L	ND(20)	42.0	ND(20)	ND(20.0)	ND(20)	ND(20)	20	ND(20)

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW401	MW402	MW402	MW402	MW414	MW414	MW414	MW414
Sample ID:		GW-LMA-050	RW-008	W-LA-042	GW-LMA-029	RW-019	RW-020	W-CJ-036	W-CJ-037
Date Sampled:		11/01/95	11/09/94	05/08/95	10/29/95	11/10/94	11/10/94	05/06/95	05/06/95
							Dupl.		Dupl.
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	ND(10)	ND(50)	ND(50)	ND(10)	ND(10)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5) UJ	ND(5) UJ	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(5) UJ	ND(5) UJ	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5.0)	ND(5)	ND(5)	ND(5.0)	5	6	ND(5)	ND(5)
LEAD, TOTAL	ug/L	2.5 J	2 J	17 J	1.1	3 J	3 J	3 J	4 J
NICKEL, TOTAL	ug/L	ND(20.0)	ND(20)	30	20.0	38	40	ND(20)	20

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		MW414	MW415	MW415	MW415	MW415	MW420	MW421	MW422
Sample ID:		GW-CJJ-008	RW-016	RW-016B	W-CJ-033	GW-CJJ-004	GW-CJJ-038	GW-LMA-021	GW-LMA-017
Date Sampled:		10/26/95	11/10/94	11/16/94	05/06/95	10/25/95	10/31/95	10/28/95	10/27/95
Parameters	Units								
Volatile Organic Compounds									
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	ND(10)	ND(10)	ND(50)	270 D	ND(50)	ND(50)	ND(50)
ETHYLBENZENE	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)	ND(5)	ND(5)	ND(10)	ND(5)	ND(5)	ND(5)
Inorganic Compounds									
CADMIUM, TOTAL	ug/L	ND(5.0)	ND(5)	NS	ND(5)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
LEAD, TOTAL	ug/L	ND(1.0) UJ	2 J	NS	16 J	1.7 J	9.5 J	ND(1.0)	ND(1.0) UJ
NICKEL, TOTAL	ug/L	ND(20.0)	ND(20)	NS	100	23.0	43.0	ND(20.0)	33.0

Table 1

Summit National Site
Summary of Groundwater Data
Deerfield, Ohio

Location:		S&E DITCHES	S&E DITCHES
Sample ID:		SW-DJT-058	SW-DJT-059
Date Sampled:		05/17/96	05/17/96
			Dupl.
Parameters	Units		
Volatile Organic Compounds			
1,1-DICHLOROETHANE	ug/L	ND(5)	ND(5)
1,2-DICHLOROETHANE	ug/L	ND(5)	ND(5)
ACETONE	ug/L	ND(50)	NS
ETHYLBENZENE	ug/L	ND(5)	ND(5)
METHYLBENZENE [TOLUENE]	ug/L	ND(5)	ND(5)
XYLENES, TOTAL	ug/L	ND(5)	ND(5)
Inorganic Compounds			
CADMIUM, TOTAL	ug/L	NS	NS
LEAD, TOTAL	ug/L	NS	NS
NICKEL, TOTAL	ug/L	NS	NS

Notes

-	-	Not analyzed.
ND()	-	Not detected at quantitation limit listed in parentheses.
U	-	The material was analyzed for but was qualified as non-detected due to blank contamination. The associated numerical value is the sample quantitation limit.
J	-	The associated numerical value is an estimated quantity.

MEMO

TO: John Donald

FROM: Monica Brady

RE: ELR Printing

REFERENCE NO: 1001

DATE: August 20, 1996

INSTRUCTIONS FOR ELR PRINTING

Environmental Law Reporter:

The following are step-by-step instructions on how to save ELR text into a Word For Windows Document:

- When you find the text in ELR that you would like printed you have to select it then hit the TAG fast key on the toolbar. This will put a thick red line to the left of the text. You will have to do this for all of the text you want printed.

- When you've finished tagging all of the text you want printed you then select the FILE menu and under that double click the command SAVE AS. A window will appear with the subbheadings FILE NAME, LIST FILES OF TYPE, DIRECTORIES, AND DRIVES they all have a bold font so they stand out. First thing you want to do is select the directory you want the file copied to for example your U:\ drive. To do this you would click on the down arrow under the subheading DRIVES, then double click on the dirve you would like the file saved under. Have a look under the subheading DIRECTORIES and it will show you what has been selected. If you selected U:\ it should say U:\WIN31, you want to take off the WIN31 more than likely. What you have to do is double click the U:\ in the DIRECTORIES window. If you look back up at the selected directory it should say U:\ with no other directory attached. One suggestion to keep in mind, please make sure there is enough memory in the directory your saving your file too. If your file doesn't export for you it is probably because you didn't have enough space in the directory or drive you tried to save it on.

- You have selected the drive and directory you want your file saved on now you want to assign a file type and then name the file. First go under the subheading LIST FILES OF TYPE and click on the down arrow. Here is a list of all of the file types you can save your document as, double click on WORD FOR WINDOWS this what you want to save it as. To give your file a name have a look under the FILE NAME subheading and you will see in the little window *.doc this is where you give your file a name. Click to the left of the star and

put a name there (It can't be any longer than eight characters wide) then delete the star. Hit the OK button and your file will be created and exported to your selected drive and or directory.

Word For Windows:

C

MEMO

TO: Stephen Whillier

REFERENCE NO: 6029-50

FROM: Nancy Bergstrom NMB

DATE: July 3, 1996
REVISED: August 8, 1996

RE: Data Quality Assessment and Validation for Groundwater Samples Collected During the Fourth Groundwater Sampling Event at the Summit National Superfund Site in Deerfield Township of Portage County, Ohio

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The following details an analytical data quality assessment of the data resulting from the May 1996 collection of groundwater samples during the fourth groundwater sampling event at the above-referenced Site. The samples, identified in Table 1, were analyzed for the parameters presented in Table 2 by Halliburton NUS Laboratory in Pittsburgh, Pennsylvania using the analytical methods presented in Table 2. The quality control criteria used to assess the data were established by the methods and the Site-specific quality assurance project plan.[1]

Holding Time Periods

The holding time periods for the analyses are listed in Table 3. The samples were prepared and analyzed within the required holding time periods as indicated by the sample collection and analysis dates on the chain-of-custody documents and the analytical reports provided by the laboratory.

Method Blank Samples

Contamination of samples contributed by laboratory conditions or procedures was monitored by concurrent preparation and analysis of method blank samples. The method blank samples were reported to be free of detectable concentrations of target analytes, indicating no significant laboratory contamination occurred.

Surrogate Compound Percent Recoveries (Surrogate Recoveries)

Individual sample performance for the organic analyses was monitored by surrogate compound percent recoveries. The samples met the surrogate recovery acceptance criteria.

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[1]Application of quality assurance criteria was consistent with "National Functional Guidelines for Organic Data Review", Draft December 1990, revised June 1991 and "Laboratory Data Validation Functional Guidelines for Evaluating Inorganics Analysis", Draft October 1989.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries

To assess the long-term accuracy and precision of the analytical methods on sample matrices, MS/MSD percent recoveries and the relative percent difference (RPD) of the recoveries were determined. Table 4 presents the metals sample data that should be qualified due to violation of MS/MSD acceptance criteria. All remaining MS/MSD percent recovery and RPD data were within the control limits, indicating an acceptable level of accuracy and precision was achieved.

Graphite Furnace Atomic Absorption (GFAA) Quality Control (QC) Analysis

The QC scheme used to assess the precision and accuracy of the individual analytical determinations relative to the overall method precision and accuracy consisted of post-digestion analytical spikes. Results from the analytical spikes were used to determine if the method of standard additions (MSA) was necessary for quantitation or if interference problems were indicated.

Several samples violated the GFAA QC acceptance criteria or the GFAA QC data indicated the presence of matrix interferences. These samples were previously qualified due to violation of MS/MSD acceptance criteria and further qualification was deemed unnecessary.

Check Sample Percent Recoveries

Check sample percent recoveries were examined to assess the overall performance and accuracy of the laboratory procedures. The data associated with the check sample percent recoveries were within the control limits, indicating the methods achieved an acceptable level of accuracy.

Field Duplicate Samples

To assess the overall field and laboratory precision of the sampling and analytical effort, six field duplicate sample sets were collected. Table 5 presents the results of the detected analytes in the field duplicate sample sets.

Trip Blank Samples

To monitor for cross contamination of VOC samples during sample transport and storage, four trip blank samples were submitted with the investigative samples. The trip blank samples were reported to be free of detectable concentrations of target analytes.

Field Blank Samples

Five field blank samples were collected to evaluate the effectiveness of the field decontamination procedures. Lead was detected in field blank sample RB-6029-051696-DJT-045 and the lead result in sample GW-6029-051796-DJT-057

should be qualified as not detected at the limit listed in parentheses: U(4) µg/L. The remaining field blank samples remained free from contamination.

Completeness

Completeness, as required by the total number of usable results versus the total number of results was required to be 90 percent or greater. The majority of the data were considered usable (with limited qualification) and the completeness criteria was determined to have been met.

Overall Assessment

The data were found to exhibit acceptable levels of accuracy and precision and may be used with the qualifications noted.

NB/mo/22

Attachments

cc: Steven Day

TABLE 1

SAMPLE IDENTIFICATION NUMBERS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

GW-6029-051396-DJT-001
GW-6029-051496-DJT-002
GW-6029-051496-DJT-003
RB-6029-051496-DJT-004
GW-6029-051496-DJT-005
GW-6029-051496-DJT-006
GW-6029-051496-DJT-007
GW-6029-051496-DJT-008
GW-6029-051496-DJT-009
GW-6029-051496-DJT-010
GW-6029-051496-DJT-011
GW-6029-051496-DJT-012
GW-6029-051496-DJT-013
GW-6029-051496-DJT-014
GW-6029-051496-DJT-015
GW-6029-051496-DJT-016
GW-6029-051496-DJT-017
GW-6029-051496-DJT-018
RB-6029-051596-DJT-019
GW-6029-051596-DJT-020
GW-6029-051596-DJT-021
GW-6029-051596-DJT-022
GW-6029-051596-DJT-023
GW-6029-051596-DJT-024
GW-6029-051596-DJT-025
GW-6029-051596-DJT-026
GW-6029-051596-DJT-027
GW-6029-051596-DJT-028
GW-6029-051596-DJT-029
GW-6029-051596-DJT-030
RB-6029-051696-DJT-031
GW-6029-051696-DJT-032
GW-6029-051696-DJT-033
GW-6029-051696-DJT-034
GW-6029-051696-DJT-035
GW-6029-051696-DJT-036
GW-6029-051696-DJT-037
GW-6029-051696-DJT-038
GW-6029-051696-DJT-039
GW-6029-051696-DJT-040
GW-6029-051696-DJT-041
GW-6029-051696-DJT-042
RB-6029-051696-DJT-045
GW-6029-051696-DJT-046
GW-6029-051696-DJT-047
GW-6029-051696-DJT-048
GW-6029-051696-DJT-049
GW-6029-051696-DJT-050
GW-6029-051796-DJT-051
GW-6029-051696-DJT-052
RB-6029-051796-DJT-053
GW-6029-051796-DJT-054
GW-6029-051796-DJT-055
GW-6029-051796-DJT-056
GW-6029-051796-DJT-057

TABLE 1

SAMPLE IDENTIFICATION NUMBERS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

GW-6029-051396-DJT-001
GW-6029-051496-DJT-002
GW-6029-051496-DJT-003
RB-6029-051496-DJT-004
GW-6029-051496-DJT-005
GW-6029-051496-DJT-006
GW-6029-051496-DJT-007
GW-6029-051496-DJT-008
GW-6029-051496-DJT-009
GW-6029-051496-DJT-010
GW-6029-051496-DJT-011
GW-6029-051496-DJT-012
GW-6029-051496-DJT-013
GW-6029-051496-DJT-014
GW-6029-051496-DJT-015
GW-6029-051496-DJT-016
GW-6029-051496-DJT-017
GW-6029-051496-DJT-018
RB-6029-051596-DJT-019
GW-6029-051596-DJT-020
GW-6029-051596-DJT-021
GW-6029-051596-DJT-022
GW-6029-051596-DJT-023
GW-6029-051596-DJT-024
GW-6029-051596-DJT-025
GW-6029-051596-DJT-026
GW-6029-051596-DJT-027
GW-6029-051596-DJT-028
GW-6029-051596-DJT-029
GW-6029-051596-DJT-030
RB-6029-051696-DJT-031
GW-6029-051696-DJT-032
GW-6029-051696-DJT-033
GW-6029-051696-DJT-034
GW-6029-051696-DJT-035
GW-6029-051696-DJT-036
GW-6029-051696-DJT-037
GW-6029-051696-DJT-038
GW-6029-051696-DJT-039
GW-6029-051696-DJT-040
GW-6029-051696-DJT-041
GW-6029-051696-DJT-042
RB-6029-051696-DJT-045
GW-6029-051696-DJT-046
GW-6029-051696-DJT-047
GW-6029-051696-DJT-048
GW-6029-051696-DJT-049
GW-6029-051696-DJT-050
GW-6029-051796-DJT-051
GW-6029-051696-DJT-052
RB-6029-051796-DJT-053
GW-6029-051796-DJT-054
GW-6029-051796-DJT-055
GW-6029-051796-DJT-056
GW-6029-051796-DJT-057

TABLE 2

ANALYTICAL METHODS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Parameter	*Analytical Method*	
SSPL [1] Volatile Organic Compounds (VOC)	SW-846 [2]	8260
Cadmium, Lead, Nickel	SW-846	6010/7421

[1] Site-Specific Parameter List (SSPL) VOC consist of: acetone, 1,1-dichloroethane, 1,2-dichloroethane, ethylbenzene, methylbenzene and xylenes (total).

[2] "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA SW-846, 3rd Edition, November 1986 with its revisions and updates.

TABLE 3

HOLDING TIME PERIODS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Parameter	*Holding Time Period*
SSPL VOC	- 14 days from sample collection to completion of analysis
Cadium, Lead, Nickel	- 6 months from sample collection to completion of analysis

TABLE 4

QUALIFICATION OF SAMPLE DATA DUE TO VIOLATION OF METALS MATRIX SPIKE/MATRIX SPIKE DUPLICATE ACCEPTANCE CRITERIA SUMMIT NATIONAL SUPERFUND SITE DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Analyte	*Sample ID*	*Qualifier* [1]
Lead	GW-6029-051396-DJT-001	J
	GW-6029-051496-DJT-002	UJ
	GW-6029-051496-DJT-003	UJ
	RB-6029-051496-DJT-004	UJ
	GW-6029-051496-DJT-005	UJ
	GW-6029-051496-DJT-006	UJ
	GW-6029-051496-DJT-007	UJ
	GW-6029-051496-DJT-008	J
	GW-6029-051496-DJT-009	UJ
	GW-6029-051496-DJT-010	J
	GW-6029-051496-DJT-011	UJ
	GW-6029-051496-DJT-012	J
	GW-6029-051496-DJT-013	J
	GW-6029-051496-DJT-014	UJ
	GW-6029-051496-DJT-015	J
	GW-6029-051496-DJT-016	J
	GW-6029-051496-DJT-017	J
	GW-6029-051496-DJT-018	J
	RB-6029-051596-DJT-019	UJ
	GW-6029-051596-DJT-020	UJ
	GW-6029-051596-DJT-021	UJ
	GW-6029-051596-DJT-022	UJ
	GW-6029-051596-DJT-023	UJ
	GW-6029-051596-DJT-024	UJ
	GW-6029-051596-DJT-025	J
	GW-6029-051596-DJT-026	UJ
	GW-6029-051596-DJT-027	UJ
	GW-6029-051596-DJT-028	UJ
	GW-6029-051596-DJT-029	UJ
	GW-6029-051596-DJT-030	J

TABLE 4

QUALIFICATION OF SAMPLE DATA DUE TO VIOLATION OF METALS MATRIX SPIKE/MATRIX SPIKE DUPLICATE ACCEPTANCE CRITERIA SUMMIT NATIONAL SUPERFUND SITE DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Analyte	*Sample ID*	*Qualifier* [1]
	RB-6029-051696-DJT-031	UJ
	GW-6029-051696-DJT-032	J
	GW-6029-051696-DJT-033	J
	GW-6029-051696-DJT-034	J
	GW-6029-051696-DJT-035	J
	GW-6029-051696-DJT-036	J
	GW-6029-051696-DJT-037	J
	GW-6029-051696-DJT-038	UJ
	GW-6029-051696-DJT-039	
	GW-6029-051696-DJT-040	J
	GW-6029-051696-DJT-041	J
	GW-6029-051696-DJT-042	J
	RB-6029-051696-DJT-045	J
	GW-6029-051696-DJT-046	J
	GW-6029-051696-DJT-047	UJ
	GW-6029-051696-DJT-048	UJ
	GW-6029-051696-DJT-049	UJ
	GW-6029-051696-DJT-050	UJ
	GW-6029-051796-DJT-051	J
	GW-6029-051696-DJT-052	J
	RB-6029-051796-DJT-053	UJ
	GW-6029-051796-DJT-054	UJ
	GW-6029-051796-DJT-055	J
	GW-6029-051796-DJT-056	J
	GW-6029-051796-DJT-057	UJ

[1] The sample results should be qualified as:

J - The analyte was analyzed for and was positively identified, but the associated numerical value may not be consistent with the amount actually present.

UJ - The analyte was analyzed for but was not detected above the level of the associated value. The associated value may not accurately or precisely represent the sample detection limit.

TABLE 5

SUMMARY OF DETECTED ANALYTES [1]
FIELD DUPLICATE SAMPLE SETS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD TOWNSHIP OF PORTAGE COUNTY, OHIO

Parameter	*Investigative Sample GW-6029-051496-DJT-002*	*Duplicate Sample GW-6029-051496-DJT-003*	*RPD* [2]
Nickel	88	80	9.5

Parameter	*Investigative Sample GW-6029-051496-DJT-016*	*Duplicate Sample GW-6029-051496-DJT-017*	*RPD*
Lead	7	6	15
Nickel	ND(20) [3]	30.0	NC [4]

Parameter	*Investigative Sample GW-6029-051696-DJT-032*	*Duplicate Sample GW-6029-051696-DJT-033*	*RPD*
Lead	5	5	0

Parameter	*Investigative Sample GW-6029-051696-DJT-035*	*Duplicate Sample GW-6029-051696-DJT-036*	*RPD*
Acetone	7,700	7,200	6.7
1,1-Dichloroethane	670	800	18
1,2-Dichloroethane	50	57	13
Ethylbenzene	320	380	17
Methylbenzene	3,000	3,600	18
Xylenes (total)	1,100	1,300	17
Lead	1	1	0
Nickel	30	40	29

Parameter	*Investigative Sample GW-6029-051696-DJT-047*	*Duplicate Sample GW-6029-051696-DJT-048*	*RPD*
Nickel	40	40	0

[1] Results reported in micrograms per liter (µg/L)
[2] RPD = Relative Percent Difference
[3] ND ( ) = Not detected at the quantitation limit stated in parentheses.
[4] NC = Not calculable.

D

MEMO

TO: Steve Whillier REFERENCE NO: 6029-50

FROM: Theresa Repaso DATE: August 9, 1996

RE: Determination of Groundwater Performance Standards for Carcinogenic and Non-carcinogenic Parameters, Summit National Superfund Site, Portage County, Ohio

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This memorandum presents the work performed in response to the requirements for determining groundwater performance standards as stated in pages 40 and 41 of the Consent Decree.

The tasks performed are as follows:

1. determination of groundwater performance standards for substances with possible carcinogenic effects; and

2. determination of groundwater performance standards for substances not believed to have carcinogenic effects.

TASK 1: Determination of performance standards for substances with possible carcinogenic effects

For each suspected or known human carcinogen, a groundwater performance standard was calculated based on a 1 x 10^{-6} risk level and assuming the residential exposure to groundwater. Note that two exposure scenarios were evaluated for groundwater in the final Remedial Investigation (RI) Report (USEPA, February 1988); ingestion of groundwater by industrial workers and by residents. To maintain a conservative approach, performance standards for suspected or known human carcinogens were determined based on the ingestion of groundwater by residents, considered to be the most sensitive population.

Exposure assumptions utilized in determining groundwater performance standards for known or suspect carcinogens are consistent to those outlined in Table 6-30 of Volume 1 of the final RI report with the following exceptions:

- exposure frequency is 350 days per year (i.e., assuming that residents will take a two-week vacation); and
- exposure duration is 30 years.

Therefore, performance standards for suspected or known human carcinogens were calculated as follows:

$$\text{Performance Standard (ug/L)} = \frac{R * BW * AT * CF}{CSF * IR * EF * ED}$$

where:

R	Acceptable Risk	1.0×10^{-6}	(unitless)
BW	Body Weight	70	(kg)
AT	Averaging Time	25,550	(days)
CF	Conversion Factor	1000	(ug/mg)
CSF	oral Cancer Slope Factor	chemical-specific	$(mg/kg\text{-}day)^{-1}$
IR	Ingestion Rate	2	(L/day)
EF	Exposure Frequency	350	(days/year)
ED	Exposure Duration	30	(years)

The current oral cancer slope factors (CSFs) were used in the calculations. These CSF values were taken from the USEPA Integrated Risk Information System (IRIS, April 1996) and USEPA Health Effects Assessment Summary Tables (HEAST, November 1995). Table 1.0 presents the calculated performance standards for suspected or known human carcinogens.

TASK 2: Determination of performance standards for substances not believed to have carcinogenic effects

Page 41 of the Consent Decree states that for each *"hazardous substance, pollutant or contaminant detected in groundwater at any compliance point referred to above that has not been identified by U.S.EPA's Cancer Assessment Group as a possible, probable or known human carcinogen, Settling Defendants shall calculate a groundwater concentration limitation adequate to assure that such substances will not present a maximum cumulative chronic health index (HI) greater than 1."* Therefore to satisfy this requirement, the hazard indices were calculated for each sampling round for each monitoring well and assuming the ingestion of groundwater by residents (i.e., considered to be the most sensitive population).

As part of this effort, background wells were identified for the Water Table Unit (WTU), the Upper Intermediate Unit (UIU), the Lower Intermediate Unit (LIU) and the Upper Sharon Unit (USU). The mean and 95% UCL background concentrations were then calculated for each groundwater unit. The mean background concentrations were calculated including both detected and non-detected results with non-detects equal to one-half the detection limit. Duplicate samples were averaged and considered as one sample. The calculated mean and RME background concentrations for the four groundwater units identified are summarized in Table 3.0.

The reported inorganic parameters for each sampling round for each monitoring well were compared to twice the appropriate mean background concentrations (i.e., WTU, UIU, LIU or USU). This is consistent with USEPA guidance (RAGS, 1989) which states reported concentrations of chemicals of potential concern (COCs) should be "significantly elevated above naturally occurring levels of the same chemicals." Inorganic parameters at levels in exceedance of twice the appropriate mean background concentrations were then identified as COCs and evaluated in the hazard assessment.

The chemical-specific Hazard Quotient (HQ) was calculated as follows:

$$HQ = \frac{(C * IR * EF * ED) / (BW * AT)}{RfD}$$

where:

HQ	Hazard Quotient	--	(unitless)
C	reported groundwater Concentration	--	**(ug/L or mg/L)**
IR	Ingestion Rate	2	(L/day)
EF	Exposure Frequency	350	(days/year)
ED	Exposure Duration	30	(years)
BW	Body Weight	70	(kg)
AT	Averaging Time	10,950	(days)
RfD	oral Reference Dose	chemical-specific	(mg/kg-day)

The current oral reference doses (RfDs) were used in the calculations. These RfD values were taken from the USEPA Integrated Risk Information System (IRIS, April 1996) and USEPA Health Effects Assessment Summary Tables (HEAST, November 1995).

Therefore, the hazard index associated with the potential residential exposure to groundwater from monitoring well '*y*' is calculated as follows:

$$HI_y = \sum_{n}^{1} HQ_1 + HQ_2 + \ldots + HQ_n$$

Table 2.0 summarizes the hazard indices associated with the potential residential exposure to groundwater from all monitoring wells. In cases whereby the calculated hazard index is above 1.0, the level of potential concern, the COCs that drive the hazard are also identified.

TABLE 1.0

SUMMARY OF PERFORMANCE STANDARDS FOR SUBSTANCES
WITH POSSIBLE CARCINOGENIC EFFECTS
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

COMPOUND	TOXICOLOGICAL CLASS (1)	ORAL CANCER SLOPE FACTOR (2) 1/(mg/kg/day)	PERFORMANCE STANDARDS FOR INDIVIDUAL COMPOUNDS BASED ON 1.0 X 10-6 RISK (3) (ug/L)
VOLATILE ORGANIC COMPOUNDS			
1,1,1-TRICHLOROETHANE	D	NA	NV
1,1,2,2-TETRACHLOROETHANE	C	2.0E-01	0.43
1,1,2-TRICHLOROETHANE	C	5.7E-02	1.49
1,1-DICHLOROETHANE	C	NA	NV
1,1-DICHLOROETHENE	C	6.0E-01	0.14
1,2-DICHLOROETHANE	B2	9.1E-02	0.94
1,2-DICHLOROETHENE, TOTAL		NA	NV
1,2-DICHLOROPROPANE	B2	6.8E-02	1.25
cis-1,3-DICHLOROPROPENE		NA	NV
trans-1,3-DICHLOROPROPENE		NA	NV
2-HEXANONE		NA	NV
ACETONE	D	NA	NV
BENZENE	A	2.9E-02	2.94
BROMODICHLOROMETHANE	B2	1.3E-01	0.66
BROMOFORM	B2	7.9E-03	10.78
BROMOMETHANE	D	NA	NV
CARBON DISULFIDE		NA	NV
CARBON TETRACHLORIDE	B2	1.3E-01	0.66
CHLOROBENZENE	D	NA	NV
CHLOROETHANE		NA	NV
CHLOROFORM	B2	6.1E-03	13.96
CHLOROMETHANE	C	1.3E-02	6.55
DIBROMOCHLOROMETHANE	C	8.4E-02	1.01
ETHYLBENZENE	D	NA	NV
METHYL ETHYL KETONE	D	NA	NV
METHYL ISOBUTYL KETONE		NA	NV
METHYLENE CHLORIDE	B2	7.5E-03	11.36
STYRENE		NA	NV
TETRACHLOROETHENE	B2	5.1E-02	1.67
TOLUENE	D	NA	NV
TRICHLOROETHENE	B2	1.1E-02	7.74
VINYL ACETATE		NA	NV
VINYL CHLORIDE	A	1.9E+00	0.045
XYLENES, TOTAL	D	NA	NV

NA=Not Available
NV=No Value
CRA 6029( )

TABLE 1.0

SUMMARY OF PERFORMANCE STANDARDS FOR SUBSTANCES
WITH POSSIBLE CARCINOGENIC EFFECTS
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

COMPOUND	TOXICOLOGICAL CLASS (1)	ORAL CANCER SLOPE FACTOR (2) 1/(mg/kg/day)	PERFORMANCE STANDARDS FOR INDIVIDUAL COMPOUNDS BASED ON 1.0 X 10-6 RISK (3) (ug/L)
SEMI-VOLATILE ORGANIC COMPOUNDS			
1,2,4-TRICHLOROBENZENE	D	NA	NV
1,2-DICHLOROBENZENE	D	5.7E-01	0.15
1,3-DICHLOROBENZENE	D	NA	NV
1,4-DICHLOROBENZENE		2.4E-02	3.55
2,4,5-TRICHLOROPHENOL		NA	NV
2,4,6-TRICHLOROPHENOL	B2	1.0E-02	8.52
2,4-DICHLOROPHENOL		NA	NV
2,4-DIMETHYLPHENOL		NA	NV
2,4-DINITROPHENOL		NA	NV
2,4-DINITROTOLUENE	B2	6.8E-01	0.13
2,6-DINITROTOLUENE	C	6.8E-01	0.13
2-CHLORONAPHTHALENE		NA	NV
2-CHLOROPHENOL		NA	NV
2-METHYLNAPHTHALENE		NA	NV
2-METHYLPHENOL	C	NA	NV
2-NITROANILINE		NA	NV
2-NITROPHENOL		NA	NV
3,3'-DICHLOROBENZIDINE	B2	4.5E-01	0.19
3-NITROANILINE		NA	NV
4,6-DINITRO-o-CRESOL		NA	NV
4-BROMOPHENYL PHENYL ETHER		NA	NV
4-CHLOROANILINE		NA	NV
4-CHLOROPHENYL PHENYL ETHER		NA	NV
4-METHYLPHENOL	C	NA	NV
4-NITROANILINE		NA	NV
4-NITROPHENOL		NA	NV
ACENAPHTHENE		NA	NV
ACENAPHTHYLENE	D	NA	NV
ANTHRACENE	D	NA	NV
BENZO(a)ANTHRACENE	B2	7.3E-01	0.12
BENZO(a)PYRENE	B2	7.3E+00	0.012
BENZO(b)FLUORANTHENE	B2	7.3E-01	0.12
BENZO(g,h,i)PERYLENE	D	NA	NV
BENZO(k)FLUORANTHENE	B2	7.3E-02	1.17
BENZOIC ACID	D	NA	NV
BENZYL ALCOHOL		NA	NV
BIS(2-CHLOROETHOXY)METHANE	D	NA	NV
BIS(2-CHLOROETHYL)ETHER	B2	1.1E+00	0.077
BIS(2-CHLOROISOPROPYL)ETHER	C	7.0E-02	1.22
BIS(2-ETHYLHEXYL)PHTHALATE	B2	1.4E-02	6.08
BUTYLBENZYL PHTHALATE	C	NA	NV
CHRYSENE	B2	7.3E-03	11.67
DI-n-BUTYL PHTHALATE	D	NA	NV
DI-n-OCTYLPHTHALATE		NA	NV
DI-n-PROPYLNITROSAMINE		NA	NV
DIBENZ(a,h)ANTHRACENE	B2	7.3E+00	0.012
DIBENZOFURAN	D	NA	NV
DIETHYLPHTHALATE	D	NA	NV

NA=Not Available
NV=No Value
CRA 6029( )

TABLE 1.0

SUMMARY OF PERFORMANCE STANDARDS FOR SUBSTANCES
WITH POSSIBLE CARCINOGENIC EFFECTS
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

COMPOUND	TOXICOLOGICAL CLASS (1)	ORAL CANCER SLOPE FACTOR (2) 1/(mg/kg/day)	PERFORMANCE STANDARDS FOR INDIVIDUAL COMPOUNDS BASED ON 1.0 X 10-6 RISK (3) (ug/L)
SEMI-VOLATILE ORGANIC COMPOUNDS (cont'd)			
DIMETHYLPHTHALATE	D	NA	NV
FLUORANTHENE	D	NA	NV
FLUORENE	D	NA	NV
HEXACHLOROBENZENE	B2	1.6E+00	0.053
HEXACHLOROBUTADIENE	C	7.8E-02	1.09
HEXACHLOROCYCLOPENTADIENE	D	NA	NV
HEXACHLOROETHANE	C	1.4E-02	6.08
INDENO(1,2,3-cd)PYRENE	B2	7.3E-01	0.12
ISOPHORONE	C	9.5E-04	89.65
N-NITROSODIMETHYLAMINE	B2	5.1E+01	0.0017
N-NITROSO-DI-N-PROPYLAMINE	B2	7.0E+00	0.012
NAPHTHALENE	D	NA	NV
NITROBENZENE	D	NA	NV
PENTACHLOROPHENOL	B2	1.2E-01	0.71
PHENANTHRENE	D	NA	NV
PHENOL	D	NA	NV
PYRENE	D	NA	NV

NA=Not Available
NV=No Value
CRA 6029( )

TABLE 1.0

SUMMARY OF PERFORMANCE STANDARDS FOR SUBSTANCES
WITH POSSIBLE CARCINOGENIC EFFECTS
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

COMPOUND	TOXICOLOGICAL CLASS (1)	ORAL CANCER SLOPE FACTOR (2) 1/(mg/kg/day)		PERFORMANCE STANDARDS FOR INDIVIDUAL COMPOUNDS BASED ON 1.0 X 10-6 RISK (3) (ug/L)
PESTICIDES/PCBS				
4,4'-DDD	B2	2.4E-01		0.35
4,4'-DDE	B2	3.4E-01		0.25
4,4'-DDT	B2	3.4E-01		0.25
ALDRIN	B2	1.7E+01		0.005
alpha-BHC	B2	6.3E+00		0.014
beta-BHC	C	1.8E+00		0.047
CHLORDANE	B2	1.3E+00		0.066
delta-BHC	D	NA		NV
DIELDRIN	B2	1.6E+01		0.005
ENDOSULFAN I		NA		NV
ENDOSULFAN II		NA		NV
ENDOSULFAN SULFATE		NA		NV
ENDRIN	D	NA		NV
ENDRIN ALDEHYDE		NA		NV
gamma-BHC (LINDANE)	C	1.3E+00		0.066
HEPTACHLOR	B2	4.5E+00		0.019
HEPTACHLOR EPOXIDE	B2	9.1E+00		0.009
METHOXYCHLOR	D	NA		NV
TOXAPHENE	B2	1.1E+00		0.077
PCB-1242	B2	7.7E+00	(4)	0.011
PCB-1254	B2	7.7E+00	(4)	0.011
PCB-1221	B2	7.7E+00	(4)	0.011
PCB-1232	B2	7.7E+00	(4)	0.011
PCB-1248	B2	7.7E+00	(4)	0.011
PCB-1260	B2	7.7E+00	(4)	0.011
PCB-1016	B2	7.7E+00	(4)	0.011

NA=Not Available
NV=No Value
CRA 6029( )

TABLE 1.0

SUMMARY OF PERFORMANCE STANDARDS FOR SUBSTANCES
WITH POSSIBLE CARCINOGENIC EFFECTS
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

COMPOUND	TOXICOLOGICAL CLASS (1)	ORAL CANCER SLOPE FACTOR (2) 1/(mg/kg/day)	PERFORMANCE STANDARDS FOR INDIVIDUAL COMPOUNDS BASED ON 1.0 X 10-6 RISK (3) (ug/L)
METALS (TOTAL)			
ALUMINUM		NA	NV
ANTIMONY		NA	NV
ARSENIC	A	1.5E+00	0.057
BARIUM		NA	NV
BERYLLIUM	B2	4.3E+00	0.020
CADMIUM	B (via inhalation)	NA	NV
CALCIUM		NA	NV
CHROMIUM		NA	NV
COBALT		NA	NV
COPPER	D	NA	NV
IRON	C	NA	NV
LEAD	B2	NA	NV
MAGNESIUM		NA	NV
MANGANESE	D	NA	NV
MERCURY	D	NA	NV
NICKEL	A (via inhalation)	NA	NV
POTASSIUM		NA	NV
SELENIUM	D	NA	NV
SILVER	D	NA	NV
SODIUM		NA	NV
THALLIUM		NA	NV
VANADIUM		NA	NV
ZINC	D	NA	NV

NOTES :

NA= NOT AVAILABLE
(1) USEPA Weight-of-Evidence Toxicological Classification
Group A - Human Carcinogen (sufficient evidence of carcinogenicity in humans)
Group B1 - Probable Human Carcinogen (limited evidence of carcinogenicity in humans)
Group B2 - Probable Human Carcinogen (sufficient evidence of carcinogenicity in animals)
Group C - Possible Human Carcinogen (limited evidence of carcinogenicity in animals)
Group D - Not Classified as to Human Carcinogenicity (inadequate or no evidence)
(2) Cancer Slope Factor - A measure of the carcinogenic potential of a compound.
SOURCE : USEPA Integrated Risk Information System (IRIS); April 1996.
: Health Effects Assessment Table (HEAST); November 1995.
(3) Based on the assumption of 2 liters of groundwater consumed per day, for 350 days per year, by a 70-kg adult for a 30-year residency period.
(4) Total PCBs CSF substituted.

NA=Not Available
NV=No Value
CRA 6029( )

TABLE 2.0

SUMMARY OF HAZARD INDICES
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

MONITORING WELL	*SAMPLING DATE*	*HAZARD INDEX*	*CHEMICAL OF CONCERN (COC)*	*% CONTRIBUTION OF COC*
WATER TABLE UNIT				
MW4	11/8/94	0.00		
	5/2/95	0.051	--	--
	10/29/95	0.00		
	5/15/96	0.00		
MW11	11/14/94	0.032	--	--
	2/2/95	**11.80**	**Arsenic**	**46**
			Cadmium	**40**
			Vanadium	**5**
			Nickel	**4**
	5/9/95	**1.69**	**Cadmium**	**78**
			Vanadium	**12**
			Barium	**5**
	10/29/95	0.036	--	--
	5/15/96	0.019	--	--
MW104	11/11/94	0.107	--	--
	5/6/95	**7.34**	**Arsenic**	**49**
			Nickel	**14**
			Vanadium	**12**
			Barium	**9**
			Cadmium	**8**
			Copper	**4**
	10/30/95	**6.21**	**Arsenic**	**69**
			Vanadium	**9**
			Nickel	**7**
			Barium	**6**
			Antimony	**4**
	5/16/96	0.00		
MW105	11/9/94	0.0201	--	--
	5/3/95	0.39	--	--
	10/30/95	**10.00**	**Manganese**	**58**
			Arsenic	**41**
	5/16/96	0.00		
MW106	**1/11/95**	**11.30**	**Manganese**	**68**
			Cadmium	**10**
			Vanadium	**8**
			Nickel	**5**
			Barium	**5**
	5/9/95	**1.05**	**Cadmium**	**49**
			Vanadium	**28**
			Barium	**12**
			Copper	**5**
	11/1/95	0.47	--	--
	5/16/96	0.00		

TABLE 2.0

SUMMARY OF HAZARD INDICES
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

MONITORING WELL	*SAMPLING DATE*	*HAZARD INDEX*	*CHEMICAL OF CONCERN (COC)*	*% CONTRIBUTION OF COC*
WATER TABLE UNIT (cont'd)				
MW107	**11/14/94**	**17.30**	**Acetone**	**54**
			Arsenic	**29**
			4-Methylphenol	**7**
			2-Butanone	**5**
	5/10/95	**14.10**	**Arsenic**	**59**
			4-Methylphenol	**18**
			Toluene	**9**
			1,1-Dichloroethane	**3**
			4-Methyl-2-Pentanone	**3**
	10/31/95	**8.09**	**Arsenic**	**54**
			4-Methylphenol	**18**
			Acetone	**14**
			Barium	**4**
			Toluene	**3**
	5/16/96	0.77	--	--
MW108	11/10/94	0.015	--	--
	5/4/95	0.0395	--	--
	5/17/96	0.0066	--	--
MW109	11/8/94	0.43	--	--
	5/3/95	0.19	--	--
	10/28/95	0.17	--	--
	5/14/96	0.00		
MW110	11/8/94	0.00		
	5/2/95	0.00		
	10/28/95	0.00		
	5/15/96	0.00		
MW111	**11/9/94**	**4.37**	**Arsenic**	**98**
	5/3/95	0.083	--	--
	10/30/95	**4.85**	**Arsenic**	**88**
			Vanadium	**7**
	5/16/96	0.0033	--	--
MW113	11/12/94	0.00		
	1/11/95	0.00		
	2/2/95	0.62	--	--
	5/4/95	**2.01**	**Cadmium**	**33**
			Vanadium	**31**
			Barium	**15**
			Nickel	**14**
	11/1/95	0.00		
	5/15/96	0.00		

TABLE 2.0

SUMMARY OF HAZARD INDICES
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

MONITORING WELL	*SAMPLING DATE*	*HAZARD INDEX*	*CHEMICAL OF CONCERN (COC)*	*% CONTRIBUTION OF COC*
WATER TABLE UNIT (cont.)				
MW114	11/16/94	0.43	--	--
	5/5/95	0.34	--	--
	10/26/95	0.0604	--	--
	5/15/96	0.00		
MW115	11/10/94	0.0018	--	--
	5/5/95	0.0021	--	--
	10/26/95	0.013	--	--
	5/14/96	0.00		
MW116	11/10/94	0.0027	--	--
	5/7/95	0.071	--	--
	10/26/95	0.00		
	5/14/96	0.00		
MW117	11/10/94	0.019	--	--
	5/5/95	0.0091	--	--
	10/25/95	0.34	--	--
	5/15/96	0.00		
MW118	11/8/94	0.28	--	--
	5/2/95	0.0055	--	--
	10/28/95	0.0067	--	--
	5/15/96	0.00		
UPPER INTERMEDIATE UNIT				
MW202	11/12/94	0.00		
	5/4/95	0.33	--	--
	10/28/95	0.00		
	5/13/96	0.00		
MW203	11/14/94	0.00		
	5/8/95	0.13	--	--
	10/31/95	0.029	--	--
	5/16/96	0.00		
MW206	11/14/94	0.00		
	5/9/95	0.00		
	11/1/95	**1.80**	**Arsenic**	**70**
			Vanadium	**13**
			Nickel	**8**
			Barium	**7**
	5/15/96	0.12	--	--
MW207	11/14/94	0.00		
	5/10/95	0.021	--	--
	10/31/95	0.00		
	5/17/96	0.00		

TABLE 2.0

SUMMARY OF HAZARD INDICES
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

MONITORING WELL	*SAMPLING DATE*	*HAZARD INDEX*	*CHEMICAL OF CONCERN (COC)*	*% CONTRIBUTION OF COC*
UPPER INTERMEDIATE UNIT (cont.)				
MW209	11/8/94	0.017	--	--
	5/4/95	0.033	--	--
	10/28/95	0.014	--	--
	5/14/96	0.00		
MW219	**11/15/94**	**1.20**	**Barium**	**69**
			Vanadium	**26**
	5/12/95	0.00		
	11/1/95	0.00		
	5/16/96	0.00		
MW220	**11/2/95**	**2.35**	**Arsenic**	**66**
			Vanadium	**14**
			Barium	**9**
			Nickel	**7**
	5/14/96	0.00		
MW223	**11/2/95**	**4.57**	**Manganese**	**76**
			Barium	**21**
	5/16/96	0.00		
MW224	11/1/95	0.83	--	--
	5/17/96	0.00		
LOWER INTERMEDIATE UNIT				
MW303	11/14/94	0.0055	--	--
	5/8/95	**4.28**	**Arsenic**	**73**
			Manganese	**18**
			Barium	**4**
	10/31/95	0.15	--	--
	5/16/96	0.00		
MW305	11/10/94	0.00		
	5/5/95	0.00		
	10/25/95	1.03	Manganese	84
	5/14/96	0.00		
MW306	11/15/94	0.00		
	5/10/95	0.00		
	11/1/95	0.00		
	5/17/96	0.00		
MW307	11/14/94	0.00		
	5/11/95	0.018	--	--
	10/31/95	0.00		
	5/16/96	0.00		

TABLE 2.0

SUMMARY OF HAZARD INDICES
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

MONITORING WELL	*SAMPLING DATE*	*HAZARD INDEX*	*CHEMICAL OF CONCERN (COC)*	*% CONTRIBUTION OF COC*
LOWER INTERMEDIATE UNIT (cont'd)				
MW309	11/8/94	0.24	--	--
	5/3/95	0.21	--	--
	10/28/95	0.00		
	5/14/96	0.00		
MW319	**11/14/94**	**1.20**	**Arsenic**	**68**
			Barium	**22**
			Copper	**5**
	5/9/95	0.00		
	11/2/95	0.00		
	5/16/96	0.00		
MW320	11/2/95	0.055	--	--
	5/14/96	0.00		
MW321	11/2/95	0.00		
	5/16/96	0.00		
MW322	10/30/95	0.019	--	--
	5/16/96	0.00		
MW323	10/31/95	0.48	--	--
	5/16/96	0.00		
MW324	**10/31/95**	**1.09**	**Arsenic**	**100**
	5/17/96	0.00		
UPPER SHARON UNIT				
MW 401	11/15/94	0.00		
	5/8/95	0.024	--	--
	11/1/95	0.00		
MW402	11/9/94	0.00		
	5/8/95	0.00		
	10/29/95	0.00		
MW420	10/31/95	0.60	--	--
MW421	10/28/95	0.00		
Potable	11/12/94	0.00		
	5/9/95	0.00		
	11/1/95	0.00		

TABLE 3.0

SUMMARY OF MEAN AND RME CALCULATED BACKGROUND CONCENTRATIONS
GROUNDWATER
SUMMIT NATIONAL SUPERFUND SITE
PORTAGE COUNTY, OHIO

		WATER TABLE UNIT (1)		*UPPER INTERMEDIATE UNIT (2)*		*LOWER INTERMEDIATE UNIT (3)*		*UPPER SHARON UNIT (4)*	
PARAMETER	UNITS	MEAN	RME	MEAN	RME	MEAN	RME	MEAN	RME
VOLATILE ORGANIC COMPOUNDS									
1,1,1-TRICHLOROETHANE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-TRICHLOROETHANE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHANE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-DICHLOROETHENE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROETHANE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-DICHLOROETHENE, TOTAL	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
2-BUTANONE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
4-METHYL-2-PENTANONE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
ACETONE	ug/L	ND	ND	19.1	26.1	30	59.8	48.1	124
BENZENE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
CHLOROFORM	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
DICHLOROMETHANE	ug/L	ND	ND	ND	ND	ND	ND	5.44	10.8
ETHYLBENZENE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
METHYLBENZENE (TOLUENE)	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
TETRACHLOROETHENE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
TRICHLOROETHENE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
VINYL CHLORIDE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
XYLENES, TOTAL	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
SEMI-VOLATILE ORGANIC COMPOUNDS									
2,4-DIMETHYLPHENOL	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYLNAPHTHALENE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
2-METHYLPHENOL	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
4-CHLORO-3-METHYLPHENOL	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
4-METHYLPHENOL	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
BIS[illegible]THYLHEXYL)PHTHALATE	ug/L	ND	ND	9.33	19.3	ND	ND	ND	ND
IS[illegible]ONE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
PH[illegible]L	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
PESTICIDES/PCBS									
METHOXYCHLOR	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
TOXAPHENE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
METALS (TOTAL)									
ALUMINUM	ug/L	6520	13400	5990	12700	6400	17600	1670	4960
ANTIMONY	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
ARSENIC	ug/L	16.9	31.7	5.45	10.2	2.11	2.97	2.07	2.89
BARIUM	ug/L	61.9	106	116	226	120	259	142	427
BERYLLIUM	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
CADMIUM	ug/L	4.54	6.25	3.04	3.87	3.29	4.47	2.93	3.98
CALCIUM	ug/L	289000	324000	257000	358000	55400	88700	5290	7690
CHROMIUM	ug/L	28.7	50.3	28.6	43.8	41.4	83	19.3	37.5
COBALT	ug/L	45.8	69.8	18.3	26.4	16.7	37.9	9.29	14.2
COPPER	ug/L	36.8	54.4	308	944	32.3	61.8	12.3	24.8
IRON	ug/L	103000	149000	53300	93800	18900	51100	13700	31300
LEAD	ug/L	13.1	24.2	10.5	17.7	8.15	16	3.89	8.93
MAGNESIUM	ug/L	126000	153000	98700	126000	28100	43700	2170	3300
MANGANESE	ug/L	4820	6600	2220	4410	449	1190	105	235
MERCURY	ug/L	0.127	0.188	ND	ND	ND	ND	ND	ND
NICKEL	ug/L	82.3	118	32.5	45.3	36.5	72.8	33.6	62.5
POTASSIUM	ug/L	7190	9610	12200	14800	6730	8740	3710	4660
SELENIUM	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
SILVER	ug/L	ND	ND	5.5	6.63	ND	ND	ND	ND
SODIUM	ug/L	49600	55100	357000	534000	520000	640000	534000	629000
VANADIUM	ug/L	5	ND	27.5	33.2	32.2	48.9	ND	ND
ZINC	ug/L	28.4	36.4	73.5	115	96.6	177	228	591
CYANIDE	ug/L	ND	ND	ND	ND	ND	ND	ND	ND

Nc

ND = Not Detected
(1) Based on sampling locations MW101, MW102, MW103.
(2) Based on sampling locations MW201, MW204, MW205.
(3) Based on sampling locations MW301, MW302, MW304.
(4) Based on sampling locations MW414, MW415, MW422.

APPENDIX A

HAZARD ASSESSMENT

APPENDIX A

LIST OF TABLES

I. WATER TABLE UNIT

TABLE 1	MW4 - 11/8/94
TABLE 2	MW4 - 5/2/95
TABLE 3	MW4 - 1029/95
TABLE 4	MW4 - 5/15/96
TABLE 5	MW11 - 11/14/94
TABLE 6	MW11 - 2/2/95
TABLE 7	MW11 - 5/9/95-5/12/95
TABLE 8	MW11 - 10/29/95
TABLE 9	MW11 - 5/15/95
TABLE 10	MW104 - 11/11/94
TABLE 11	MW104 - 5/6/95
TABLE 12	MW104 & MW104 DUP - 10/30/95
TABLE 13	MW104 - 5/16/96
TABLE 14	MW105 - 11/9/94-11/10/94
TABLE 15	MW105 - 5/3/95
TABLE 16	MW105 - 10/30/95
TABLE 17	MW105 - 5/16/96
TABLE 18	MW106 - 1/11/95
TABLE 19	MW106 - 5/9/95
TABLE 20	MW106 - 11/1/95
TABLE 21	MW106 & MW106 DUP - 5/16/96
TABLE 22	MW107 - 11/14/94
TABLE 23	MW107 - 5/10/95
TABLE 24	MW107 - 10/31/95
TABLE 25	MW107 & MW107 DUP - 5/16/96
TABLE 26	MW108 - 11/10/94
TABLE 27	MW108 - 5/4/95
TABLE 28	MW108 - 5/17/96
TABLE 29	MW109 & MW109 DUP - 11/8/94
TABLE 30	MW109 - 5/3/95
TABLE 31	MW109 - 10/28/95
TABLE 32	MW109 & MW109 DUP - 5/14/96
TABLE 33	MW110 - 11/8/94
TABLE 34	MW110 - 5/2/95
TABLE 35	MW110 - 10/28/95-10/30/95
TABLE 36	MW110 - 5/15/96
TABLE 37	MW111 - 11/9/94
TABLE 38	MW111 - 5/3/95
TABLE 39	MW111- 10/30/95

I. WATER TABLE UNIT (cont'd)

TABLE 40	MW111 - 5/16/96
TABLE 41	MW113 - 11/12/94
TABLE 42	MW113 - 1/11/95
TABLE 43	MW113 - 2/2/95
TABLE 44	MW113 - 5/4/95
TABLE 45	MW113 - 11/1/95
TABLE 46	MW113 - 5/15/96
TABLE 47	MW114 - 11/16/94
TABLE 48	MW114 - 5/5/95
TABLE 49	MW114 - 10/26/95
TABLE 50	MW114 - 5/15/96
TABLE 51	MW115 - 11/10/94
TABLE 52	MW115 - 5/5/95
TABLE 53	MW115 - 10/26/95
TABLE 54	MW115 - 5/14/96
TABLE 55	MW116 - 11/10/94
TABLE 56	MW116 - 5/7/95-5/11/95
TABLE 57	MW116 - 10/26/95
TABLE 58	MW116 - 5/14/96
TABLE 59	MW117 - 11/10/94-11/11/94
TABLE 60	MW117 & MW117 - 5/5/95
TABLE 61	MW117 - 10/25/95
TABLE 62	MW117 - 5/15/96
TABLE 63	MW118 - 11/8/94
TABLE 64	MW118 - 5/2/95
TABLE 65	MW118 - 10/28/95
TABLE 66	MW118 - 5/15/96

II. UPPER INTERMEDIATE UNIT

TABLE 67	MW202 - 11/12/94
TABLE 68	MW202 - 5/4/95
TABLE 69	MW202 - 10/28/95
TABLE 70	MW202 - 5/13/96
TABLE 71	MW203 - 11/14/94
TABLE 72	MW203 - 5/8/95
TABLE 73	MW203 - 10/31/95
TABLE 74	MW203 - 5/16/96
TABLE 75	MW206 - 11/14/94
TABLE 76	MW206 - 5/9/95-5/11/95
TABLE 77	MW206 - 11/1/95
TABLE 78	MW206 - 5/15/96
TABLE 79	MW207 - 11/14/94

II. UPPER INTERMEDIATE UNIT (cont'd)

TABLE 80	MW207 & MW207 DUP - 5/10/95
TABLE 81	MW207 - 10/31/95
TABLE 82	MW207 - 5/17/96
TABLE 83	MW209 - 11/8/94
TABLE 84	MW209 - 5/4/95
TABLE 85	MW209 & MW209 DUP - 10/28/95
TABLE 86	MW209 - 5/14/96
TABLE 87	MW219 - 11/15/94
TABLE 88	MW219 - 5/12/95
TABLE 89	MW219 - 11/1/95
TABLE 90	MW219 - 5/16/96
TABLE 91	MW220 - 11/2/95
TABLE 92	MW220 & MW220 DUP - 5/14/96
TABLE 93	MW223 - 11/2/95
TABLE 94	MW223 - 5/16/96
TABLE 95	MW224 - 11/1/95
TABLE 96	MW224 - 5/17/96

III. LOWER INTERMEDIATE UNIT

TABLE 97	MW303 - 11/14/94
TABLE 98	MW303 - 5/8/95
TABLE 99	MW303 - 10/31/95
TABLE 100	MW303 - 5/16/96
TABLE 101	MW305 - 11/10/94
TABLE 102	MW305 - 5/5/95
TABLE 103	MW305 - 10/25/95
TABLE 104	MW305 - 5/14/96
TABLE 105	MW306 - 11/15/94
TABLE 106	MW306 - 5/10/95
TABLE 107	MW306 - 11/1/95
TABLE 108	MW306 - 5/17/96
TABLE 109	MW307 - 11/14/94
TABLE 110	MW307 - 5/11/95
TABLE 111	MW307 & MW307 DUP - 10/31/95
TABLE 112	MW307 - 5/16/96
TABLE 113	MW309 - 11/8/94
TABLE 114	MW309 - 5/3/95
TABLE 115	MW309 - 10/28/95
TABLE 116	MW309 - 5/14/96
TABLE 117	MW 319 - 11/14/94
TABLE 118	MW319 - 5/9/95
TABLE 119	MW319 - 11/2/95

III. LOWER INTERMEDIATE UNIT (cont'd)

TABLE 120	MW319 - 5/16/96
TABLE 121	MW320 & MW320 DUP - 11/2/95
TABLE 122	MW320 - 5/14/96
TABLE 123	MW321 - 11/2/95
TABLE 124	MW321 - 5/16/96
TABLE 125	MW323 - 10/31/95
TABLE 126	MW323 - 5/16/96
TABLE 127	MW324 - 10/31/95
TABLE 128	MW324 - 5/17/96

IV. UPPER SHARON UNIT

TABLE 129	MW401 & MW401 DUP - 11/15/94
TABLE 130	MW401 - 5/8/95
TABLE 131	MW401 - 11/1/95
TABLE 132	MW402 - 11/9/94
TABLE 133	MW402 - 5/8/95
TABLE 134	MW402 - 10/29/95
TABLE 135	MW420 - 10/31/95
TABLE 136	MW421 - 10/28/95
TABLE 137	POTABLE - 11/12/94
TABLE 138	POTABLE - 5/9/95
TABLE 139	POTABLE - 11/1/95

I. WATER TABLE UNIT

TABLE : 1

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW4
SAMPLE ID : RW-001
SAMPLING DATE : 11/8/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	21UB	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	630	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3)	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	93	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	5	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	380000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	ND(10)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(10)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	13	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	17000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(1.0)UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	190000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	660	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	ND(20)	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	15000	7.19E+03	9.61E+03	X	NA	4.11E-01	0.00E+00	--
SELENIUM	ND(30)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	70000	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	ND(10)	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
(1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 2

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW4
SAMPLE ID : W-CJ-002
SAMPLING DATE : 5/2/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10) R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA			
2-METHYLPHENOL	ND(10) R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10) R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10) R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10) R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	1700	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3)	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	130	6.19E+01	1.06E+02	X	7.00E-02	3.56E-03	5.09E-02	100.00
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	400000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	ND(20)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(10)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	10	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	18000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(5)	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	210000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	670	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	ND(20)	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	12000	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(7)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	47000	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	ND(10)	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 5.09E-02

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 3

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW4
SAMPLE ID : GW-CIJ-030
SAMPLING DATE : 10/29/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(11)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)U	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	570 J	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3.0)	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	66	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5.0)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5.0)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	408000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	ND(20.0)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(20.0)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	ND(2.0)	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	15100	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(5.0)UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	180000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	514	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.20)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	ND(20.0)	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	14500	7.19E+03	9.61E+03	X	NA	3.97E-01	0.00E+00	--
SELENIUM	ND(25.0)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	53500	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50.0)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	ND(10.0)	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 4

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW4
SAMPLE ID : OW-DJT-023
SAMPLING DATE : 5/15/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(10)UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	30	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 5

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW11
SAMPLE ID : RW-043
SAMPLING DATE : 11/14/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (2) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	130	ND	ND	X	NA	3.56E-03	0.00E+00	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	93	ND	ND	X	1.00E-01	2.55E-03	2.55E-02	79.49
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	24	ND	ND	X	1.00E-01	6.58E-04	6.58E-03	20.51
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	7	ND	ND	X	NA	1.92E-04	0.00E+00	--
VINYL CHLORIDE	ND(10) UJ	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10) UJ	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10) UJ	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10) UJ	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10) UJ	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10) UJ	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10) UJ	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10) UJ	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	NS	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	NS	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	NS	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 3.21E-02

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 6

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW11
SAMPLE ID : SMH-67
SAMPLING DATE : 2/2/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	NS	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	NS	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	76000	6.52E+03	1.34E+04	X	NA	2.08E+00	0.00E+00	--
ANTIMONY	ND(7) UJ	ND	ND		4.00E-04	--	--	--
ARSENIC	60 J	1.69E+01	3.17E+01	X	3.00E-04	1.64E-03	5.48E+00	46.34
BARIUM	530	6.19E+01	1.06E+02	X	7.00E-02	1.45E-02	2.07E-01	1.75
BERYLLIUM	7	ND	ND	X	5.00E-03	1.92E-04	3.84E-02	0.32
CADMIUM	87	4.54E+00	6.25E+00	X	5.00E-04	2.38E-03	4.77E+00	40.31
CALCIUM	490000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	120	2.87E+01	5.03E+01	X	1.00E+00	3.29E-03	3.29E-03	0.03
COBALT	150	4.58E+01	6.98E+01	X	NA	4.11E-03	0.00E+00	--
COPPER	180	3.68E+01	5.44E+01	X	3.70E-02	4.93E-03	1.33E-01	1.13
IRON	180000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	99	1.31E+01	2.42E+01	X	NA	2.71E-03	0.00E+00	--
MAGNESIUM	190000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	4200	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	320	8.23E+01	1.18E+02	X	2.00E-02	8.77E-03	4.38E-01	3.71
POTASSIUM	21000	7.19E+03	9.61E+03	X	NA	5.75E-01	0.00E+00	--
SELENIUM	ND(8) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	200000	4.96E+04	5.51E+04	X	NA	5.48E+00	0.00E+00	--
VANADIUM	140	5.00E+00	ND	X	7.00E-03	3.84E-03	5.48E-01	4.63
ZINC	1100	2.84E+01	3.64E+01	X	3.00E-01	3.01E-02	1.00E-01	0.85
CYANIDE	1200	ND	ND	X	3.00E-01	3.29E-02	1.10E-01	0.93

HAZARD INDEX : 1.18E+01

TOTAL PERCENT : 100

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SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 7

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW11
SAMPLE ID : W-CJ-051 A,B,C
SAMPLING DATE : 5/9/95-5/12/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	200	ND	ND	X	NA	5.48E-03	0.00E+00	--
1,1,2-TRICHLOROETHANE	ND(8)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	150	ND	ND	X	1.00E-01	4.11E-03	4.11E-02	2.43
1,1-DICHLOROETHENE	ND(8)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(8)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	29	ND	ND	X	9.00E-02	7.95E-04	8.83E-03	0.52
2-BUTANONE	ND(83)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(83)	ND	ND		8.00E-02	--	--	--
ACETONE	84	ND	ND	X	1.00E-01	2.30E-03	2.30E-02	1.36
BENZENE	ND(8)	ND	ND		NA	--	--	--
CHLOROFORM	ND(8)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(8)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(8)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(8)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(8)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	9	ND	ND	X	NA	2.47E-04	0.00E+00	--
VINYL CHLORIDE	ND(17)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(8)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	24000	6.52E+03	1.34E+04	X	NA	6.58E-01	0.00E+00	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	19	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	200	6.19E+01	1.06E+02	X	7.00E-02	5.48E-03	7.83E-02	4.63
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	24	4.54E+00	6.25E+00	X	5.00E-04	6.58E-04	1.32E+00	77.72
CALCIUM	470000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	30	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	50	4.58E+01	6.98E+01		NA	--	--	--
COPPER	57	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	67000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	23	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	180000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	4500	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	100	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	11000	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(10) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	170000	4.96E+04	5.51E+04	X	NA	4.66E+00	0.00E+00	--
VANADIUM	50	5.00E+00	ND	X	7.00E-03	1.37E-03	1.96E-01	11.57
ZINC	330	2.84E+01	3.64E+01	X	3.00E-01	9.04E-03	3.01E-02	1.78
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.69E+00

TOTAL PERCENT : 100

NOTES :

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X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 8

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW11
SAMPLE ID : OW-LMA-031A
SAMPLING DATE : 10/29/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	130	ND	ND	X	NA	3.56E-03	0.00E+00	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	97	ND	ND	X	1.00E-01	2.66E-03	2.66E-02	73.80
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	31	ND	ND	X	9.00E-02	8.49E-04	9.44E-03	26.20
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(11) U	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	13	ND	ND	X	NA	3.56E-04	0.00E+00	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	NS	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	NS	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	NS	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 3.60E-02

TOTAL PERCENT : 100

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SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 9

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW11
SAMPLE ID : GW-DJT-022
SAMPLING DATE : 5/15/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	69	ND	ND	X	1.00E-01	1.89E-03	1.89E-02	100.00
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.05E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5) UJ	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	8	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	30	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.89E-02

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
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(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 10

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW104
SAMPLE ID : RW-023
SAMPLING DATE : 11/11/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(10)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	17000 J	6.52E+03	1.34E+04	X	NA	4.66E-01	0.00E+00	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	30 J	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	220	6.19E+01	1.06E+02	X	7.00E-02	6.03E-03	8.61E-02	80.39
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	330000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	30	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	20	4.58E+01	6.98E+01		NA	--	--	--
COPPER	51	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	63000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	32 J	1.31E+01	2.42E+01	X	NA	8.77E-04	0.00E+00	--
MAGNESIUM	120000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	4500	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	90	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	9500	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(7) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	140000	4.96E+04	5.51E+04	X	NA	3.84E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	230	2.84E+01	3.64E+01	X	3.00E-01	6.30E-03	2.10E-02	19.61
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.07E-01

TOTAL PERCENT : 100

NOTES :

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(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 11

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW104
SAMPLE ID : W-CJ-034
SAMPLING DATE : 5/6/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	110000	6.52E+03	1.34E+04	X	NA	3.01E+00	0.00E+00	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	39 J	1.69E+01	3.17E+01	X	3.00E-04	1.07E-03	3.56E+00	48.51
BARIUM	1700	6.19E+01	1.06E+02	X	7.00E-02	4.66E-02	6.65E-01	9.06
BERYLLIUM	16	ND	ND	X	5.00E-03	4.38E-04	8.77E-02	1.19
CADMIUM	11	4.54E+00	6.25E+00	X	5.00E-04	3.01E-04	6.03E-01	8.21
CALCIUM	300000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	290	2.87E+01	5.03E+01	X	1.00E+00	7.95E-03	7.95E-03	0.11
COBALT	190	4.58E+01	6.98E+01	X	NA	5.21E-03	0.00E+00	--
COPPER	350	3.68E+01	5.44E+01	X	3.70E-02	9.59E-03	2.59E-01	3.53
IRON	290000	1.03E+05	1.49E+05	X	NA	7.95E+00	0.00E+00	--
LEAD	190 J	1.31E+01	2.42E+01	X	NA	5.21E-03	0.00E+00	--
MAGNESIUM	120000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	5900	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	0.5	1.27E-01	1.88E-01	X	NA	1.37E-05	0.00E+00	--
NICKEL	770	8.23E+01	1.18E+02	X	2.00E-02	2.11E-02	1.05E+00	14.37
POTASSIUM	20000	7.19E+03	9.61E+03	X	NA	5.48E-01	0.00E+00	--
SELENIUM	19 J	ND	ND	X	5.00E-03	5.21E-04	1.04E-01	1.42
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	96000	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	220	5.00E+00	ND	X	7.00E-03	6.03E-03	8.61E-01	11.73
ZINC	1500	2.84E+01	3.64E+01	X	3.00E-01	4.11E-02	1.37E-01	1.87
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 7.34E+00

TOTAL PERCENT : 100

NOTES :

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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 12

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW104 + MW104 DUP.
SAMPLE ID : GW-CJJ-053 & GW-CJJ-C34
SAMPLING DATE : 10/30/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(11) U	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	71650	6.52E+03	1.34E+04	X	NA	1.96E+00	0.00E+00	--
ANTIMONY	4.05	ND	ND	X	4.00E-04	1.11E-04	2.77E-01	4.47
ARSENIC	46.8	1.69E+01	3.17E+01	X	3.00E-04	1.28E-03	4.27E+00	68.82
BARIUM	937.5	6.19E+01	1.06E+02	X	7.00E-02	2.57E-02	3.67E-01	5.91
BERYLLIUM	8	ND	ND	X	5.00E-03	2.19E-04	4.38E-02	0.71
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	417000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	147.5	2.87E+01	5.03E+01	X	1.00E+00	4.04E-03	4.04E-03	0.07
COBALT	117.5	4.58E+01	6.98E+01	X	NA	3.22E-03	0.00E+00	--
COPPER	219.5	3.68E+01	5.44E+01	X	3.70E-02	6.01E-03	1.63E-01	2.62
IRON	246500	1.03E+05	1.49E+05	X	NA	6.75E+00	0.00E+00	--
LEAD	126.5	1.31E+01	2.42E+01	X	NA	3.47E-03	0.00E+00	--
MAGNESIUM	175500	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	7025	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	0.215	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	295.5	8.23E+01	1.18E+02	X	2.00E-02	8.10E-03	4.05E-01	6.52
POTASSIUM	17250	7.19E+03	9.61E+03	X	NA	4.73E-01	0.00E+00	--
SELENIUM	6.8	ND	ND	X	5.00E-03	1.86E-04	3.73E-02	0.60
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	143000	4.96E+04	5.51E+04	X	NA	3.92E+00	0.00E+00	--
VANADIUM	144.5	5.00E+00	ND	X	7.00E-03	3.96E-03	5.66E-01	9.11
ZINC	811	2.84E+01	3.64E+01	X	3.00E-01	2.22E-02	7.41E-02	1.19
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 6.21E+00

TOTAL PERCENT : 100

NOTES :

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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 13

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW104
SAMPLE ID : GW-DJT-046
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	15 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	50	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

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(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 14

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW105
SAMPLE ID : RW-009A & RW-009B
SAMPLING DATE : 11/9/94 & 11/10/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(10)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5) UJ	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	10000	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	24 J	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	86	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	520000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	10	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	40	4.58E+01	6.98E+01		NA	--	--	--
COPPER	31	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	190000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	13 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	230000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	8800	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	30	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	6500	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(10) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	110000	4.96E+04	5.51E+04	X	NA	3.01E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	220	2.84E+01	3.64E+01	X	3.00E-01	6.03E-03	2.01E-02	100.00
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 2.01E-02

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 15

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW105
SAMPLE ID : W-CJ-006
SAMPLING DATE : 5/3/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)R	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)R	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	26000	6.52E+03	1.34E+04	X	NA	7.12E-01	0.00E+00	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	30	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	280	6.19E+01	1.06E+02	X	7.00E-02	7.67E-03	1.10E-01	28.16
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	7	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	390000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	30	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	80	4.58E+01	6.98E+01		NA	--	--	--
COPPER	61	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	270000	1.03E+05	1.49E+05	X	NA	7.40E+00	0.00E+00	--
LEAD	28	1.31E+01	2.42E+01	X	NA	7.67E-04	0.00E+00	--
MAGNESIUM	190000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	9500	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	130	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	9100	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(8)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	82000	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	60	5.00E+00	ND	X	7.00E-03	1.64E-03	2.35E-01	60.34
ZINC	490	2.84E+01	3.64E+01	X	3.00E-01	1.34E-02	4.47E-02	11.50
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 3.89E-01

TOTAL PERCENT : 100

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(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 16

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW105
SAMPLE ID : OW-LMA-035
SAMPLING DATE : 10/30/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-05	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-05	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(11) U	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10) UJ	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10) UJ	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	13400 J	6.52E+03	1.34E+04	X	NA	3.67E-01	0.00E+00	--
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	45.2	1.69E+01	3.17E+01	X	3.00E-04	1.24E-03	4.13E+00	41.25
BARIUM	162	6.19E+01	1.06E+02	X	7.00E-02	4.44E-03	6.34E-02	0.63
BERYLLIUM	ND(5.0)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5.0)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	410000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	29	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	53	4.58E+01	6.98E+01		NA	--	--	--
COPPER	26	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	284000	1.03E+05	1.49E+05	X	NA	7.78E+00	0.00E+00	--
LEAD	15 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	198000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	9860	4.82E+03	6.60E+03	X	4.67E-02	2.70E-01	5.78E+00	57.81
MERCURY	ND(0.20)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	90	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	7480	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	72200	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50.0)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	328 J	2.84E+01	3.64E+01	X	3.00E-01	8.99E-03	3.00E-02	0.30
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.00E+01

TOTAL PERCENT : 100

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SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
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(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 17

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW105
SAMPLE ID : GW-DJT-049
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-05	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(8) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	90	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

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SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
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(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 18

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW106
SAMPLE ID : SMH-65
SAMPLING DATE : 1/11/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5) UJ	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(10)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	5UB	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)R	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)R	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	130000	6.52E+03	1.34E+04	X	NA	3.56E+00	0.00E+00	--
ANTIMONY	ND(9)	ND	ND		4.00E-04	--	--	--
ARSENIC	11U	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	1300	6.19E+01	1.06E+02	X	7.00E-02	3.56E-02	5.09E-01	4.52
BERYLLIUM	14	ND	ND	X	5.00E-03	3.84E-04	7.67E-02	0.68
CADMIUM	21	4.54E+00	6.25E+00	X	5.00E-04	5.75E-04	1.15E+00	10.22
CALCIUM	380000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	170	2.87E+01	5.03E+01	X	1.00E+00	4.66E-03	4.66E-03	0.04
COBALT	210	4.58E+01	6.98E+01	X	NA	5.75E-03	0.00E+00	--
COPPER	340	3.68E+01	5.44E+01	X	3.70E-02	9.32E-03	2.52E-01	2.24
IRON	540000	1.03E+05	1.49E+05	X	NA	1.48E+01	0.00E+00	--
LEAD	110	1.31E+01	2.42E+01	X	NA	3.01E-03	0.00E+00	--
MAGNESIUM	210000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	13000	4.82E+03	6.60E+03	X	4.67E-02	3.56E-01	7.63E+00	67.71
MERCURY	ND(0.2) UJ	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	450	8.23E+01	1.18E+02	X	2.00E-02	1.23E-02	6.16E-01	5.47
POTASSIUM	25000	7.19E+03	9.61E+03	X	NA	6.85E-01	0.00E+00	--
SELENIUM	ND(5) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	65000	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	230	5.00E+00	ND	X	7.00E-03	6.30E-03	9.00E-01	7.99
ZINC	1400	2.84E+01	3.64E+01	X	3.00E-01	3.84E-02	1.28E-01	1.14
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.13E+01

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 19

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW106 + MW106 DUP
SAMPLE ID : W-CJ-048 & W-CJ-049
SAMPLING DATE : 5/9/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	31500	6.52E+03	1.34E+04	X	NA	8.63E-01	0.00E+00	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	20.5	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	315	6.19E+01	1.06E+02	X	7.00E-02	8.63E-03	1.23E-01	11.70
BERYLLIUM	3.75	ND	ND	X	5.00E-03	1.03E-04	2.05E-02	1.95
CADMIUM	9.5	4.54E+00	6.25E+00	X	5.00E-04	2.60E-04	5.21E-01	49.39
CALCIUM	305000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	35	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	80	4.58E+01	6.98E+01		NA	--	--	--
COPPER	75.5	3.68E+01	5.44E+01	X	3.70E-02	2.07E-03	5.59E-02	5.30
IRON	265000	1.03E+05	1.49E+05	X	NA	7.26E+00	0.00E+00	--
LEAD	38.5	1.31E+01	2.42E+01	X	NA	1.05E-03	0.00E+00	--
MAGNESIUM	160000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	7900	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	130	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	11500	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(6)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	62000	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	75	5.00E+00	ND	X	7.00E-03	2.05E-03	2.94E-01	27.85
ZINC	440	2.84E+01	3.64E+01	X	3.00E-01	1.21E-02	4.02E-02	3.81
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--
						HAZARD INDEX :	1.05E+00	
						TOTAL PERCENT :		100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 20

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW106
SAMPLE ID : OW-CIJ-051
SAMPLING DATE : 11/1/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-05	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)R	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)R	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	33400 J	6.52E+03	1.34E+04	X	NA	9.15E-01	0.00E+00	--
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	25.3	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	391	6.19E+01	1.06E+02	X	7.00E-02	1.07E-02	1.53E-01	32.71
BERYLLIUM	5	ND	ND	X	5.00E-03	1.37E-04	2.74E-02	5.86
CADMIUM	ND(5.0)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	378000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	45	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	84	4.58E+01	6.98E+01		NA	--	--	--
COPPER	71	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	277000 J	1.03E+05	1.49E+05	X	NA	7.59E+00	0.00E+00	--
LEAD	32.5 J	1.31E+01	2.42E+01	X	NA	8.90E-04	0.00E+00	--
MAGNESIUM	186000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	8180	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.20)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	144	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	13700	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	69500	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	60	5.00E+00	ND	X	7.00E-03	1.64E-03	2.35E-01	50.19
ZINC	576	2.84E+01	3.64E+01	X	3.00E-01	1.58E-02	5.26E-02	11.24
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 4.68E-01

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 21

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW106 + MW106 DUP
SAMPLE ID : GW-DJT-047 & GW-DJT-048
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(8) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	40	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 22

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW107
SAMPLE ID : RW-056
SAMPLING DATE : 11/14/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	49	ND	ND	X	NA	1.34E-03	0.00E+00	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	130	ND	ND	X	1.00E-01	3.56E-03	3.56E-02	0.21
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	440 D	ND	ND	X	NA	1.21E-02	0.00E+00	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	18000 DJ	ND	ND	X	6.00E-01	4.93E-01	8.22E-01	4.76
4-METHYL-2-PENTANONE	1300 DEJ	ND	ND	X	8.00E-02	3.56E-02	4.45E-01	2.58
ACETONE	34000 D	ND	ND	X	1.00E-01	9.32E-01	9.32E+00	53.99
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	19	ND	ND	X	6.00E-02	5.21E-04	8.68E-03	0.05
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	73	ND	ND	X	2.00E-01	2.00E-03	1.00E-02	0.06
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	12 J	ND	ND	X	NA	3.29E-04	0.00E+00	--
XYLENES, TOTAL	6	ND	ND	X	2.00E+00	1.64E-04	8.22E-05	0.00
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	12	ND	ND	X	2.00E-02	3.29E-04	1.64E-02	0.10
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	27	ND	ND	X	5.00E-02	7.40E-04	1.48E-02	0.09
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	220 D	ND	ND	X	5.00E-03	6.03E-03	1.21E+00	6.99
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	20	ND	ND	X	2.00E-01	5.48E-04	2.74E-03	0.02
PHENOL	310 D	ND	ND	X	6.00E-01	8.49E-03	1.42E-02	0.08
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	4400	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(6)	ND	ND		4.00E-04	--	--	--
ARSENIC	54	1.69E+01	3.17E+01	X	3.00E-04	1.48E-03	4.93E+00	28.58
BARIUM	1100	6.19E+01	1.06E+02	X	7.00E-02	3.01E-02	4.31E-01	2.50
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	280000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	10	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	20	4.58E+01	6.98E+01		NA	--	--	--
COPPER	32	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	17000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	8 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	130000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	1600	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	50	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	11000	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(5)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	330000	4.96E+04	5.51E+04	X	NA	9.04E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	40 U	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.73E+01

TOTAL PERCENT : 100

NOTES :

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(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
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(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 23

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW107
SAMPLE ID : W-CJ-056
SAMPLING DATE : 5/10/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	1300 D	ND	ND	X	NA	3.56E-02	0.00E+00	--
1,1,2-TRICHLOROETHANE	32	ND	ND	X	4.00E-03	8.77E-04	2.19E-01	1.56
1,1-DICHLOROETHANE	1500 D	ND	ND	X	1.00E-01	4.11E-02	4.11E-01	2.92
1,1-DICHLOROETHENE	21	ND	ND	X	9.00E-03	5.75E-04	6.39E-02	0.45
1,2-DICHLOROETHANE	1800 D	ND	ND	X	NA	4.93E-02	0.00E+00	--
1,2-DICHLOROETHENE, TOTAL	220 EX	ND	ND	X	9.00E-02	6.03E-03	6.70E-02	0.48
2-BUTANONE	410 DXJ	ND	ND	X	6.00E-01	1.12E-02	1.87E-02	0.13
4-METHYL-2-PENTANONE	1200 DXJ	ND	ND	X	8.00E-02	3.29E-02	4.11E-01	2.92
ACETONE	180	ND	ND	X	1.00E-01	4.93E-03	4.93E-02	0.35
BENZENE	100	ND	ND	X	NA	2.74E-03	0.00E+00	--
CHLOROFORM	8	ND	ND	X	1.00E-02	2.19E-04	2.19E-02	0.16
DICHLOROMETHANE	650 DBU	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	1050 D	ND	ND	X	1.00E-01	2.88E-02	2.88E-01	2.04
METHYLBENZENE (TOLUENE)	9700 D	ND	ND	X	2.00E-01	2.66E-01	1.33E+00	9.44
TETRACHLOROETHENE	18	ND	ND	X	1.00E-02	4.93E-04	4.93E-02	0.35
TRICHLOROETHENE	44	ND	ND	X	NA	1.21E-03	0.00E+00	--
VINYL CHLORIDE	260 DXJ	ND	ND	X	NA	7.12E-03	0.00E+00	--
XYLENES, TOTAL	3400 D	ND	ND	X	2.00E+00	9.32E-02	4.66E-02	0.33
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	29	ND	ND	X	2.00E-02	7.95E-04	3.97E-02	0.28
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	63	ND	ND	X	5.00E-02	1.73E-03	3.45E-02	0.25
4-CHLORO-3-METHYLPHENOL	18	ND	ND	X	NA	4.93E-04	0.00E+00	--
4-METHYLPHENOL	450 D	ND	ND	X	5.00E-03	1.23E-02	2.47E+00	17.52
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	28	ND	ND	X	2.00E-01	7.67E-04	3.84E-03	0.03
PHENOL	730 UJD	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	170	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	91	1.69E+01	3.17E+01	X	3.00E-04	2.49E-03	8.31E+00	59.06
BARIUM	620	6.19E+01	1.06E+02	X	7.00E-02	1.70E-02	2.43E-01	1.72
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	220000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	40	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(10)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	12	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	2300 J	1.03E+05	1.49E+05		NA	--	--	--
LEAD	2	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	100000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	860	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	50	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	9300	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(7) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	240000	4.96E+04	5.51E+04	X	NA	6.58E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	ND(10)	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.41E+01

TOTAL PERCENT : 100

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(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 24

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW107
SAMPLE ID : GW-CJJ-042
SAMPLING DATE : 10/31/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(250)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(250)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	470	ND	ND	X	1.00E-01	1.29E-02	1.29E-01	1.59
1,1-DICHLOROETHENE	ND(250)	ND	ND		9.00E-05	--	--	--
1,2-DICHLOROETHANE	320	ND	ND	X	NA	8.77E-03	0.00E+00	--
1,2-DICHLOROETHENE, TOTAL	ND(250)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	4200	ND	ND	X	6.00E-01	1.15E-01	1.92E-01	2.37
4-METHYL-2-PENTANONE	ND(2500)	ND	ND		8.00E-02	--	--	--
ACETONE	4100	ND	ND	X	1.00E-01	1.12E-01	1.12E+00	13.88
BENZENE	ND(250)	ND	ND		NA	--	--	--
CHLOROFORM	ND(250)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	380	ND	ND	X	6.00E-02	1.04E-02	1.74E-01	2.14
ETHYLBENZENE	ND(250)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	1900	ND	ND	X	2.00E-01	5.21E-02	2.60E-01	3.22
TETRACHLOROETHENE	ND(250)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(250)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(500)	ND	ND		NA	--	--	--
XYLENES, TOTAL	490	ND	ND	X	2.00E+00	1.34E-02	6.71E-03	0.08
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	14	ND	ND	X	2.00E-02	3.84E-04	1.92E-02	0.24
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	27	ND	ND	X	5.00E-02	7.40E-04	1.48E-02	0.18
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	260 D	ND	ND	X	5.00E-03	7.12E-03	1.42E+00	17.61
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	27	ND	ND	X	2.00E-01	7.40E-04	3.70E-03	0.05
PHENOL	280	ND	ND	X	6.00E-01	7.67E-03	1.28E-02	0.16
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	602	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	48 J	1.69E+01	3.17E+01	X	3.00E-04	1.32E-03	4.38E+00	54.18
BARIUM	890	6.19E+01	1.06E+02	X	7.00E-02	2.44E-02	3.48E-01	4.31
BERYLLIUM	ND(5.0)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5.0)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	255000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	34	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(20.0)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	12	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	9810	1.03E+05	1.49E+05		NA	--	--	--
LEAD	2.8	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	118000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	1260	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.20)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	34	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	13400	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	267000	4.96E+04	5.51E+04	X	NA	7.32E+00	0.00E+00	--
VANADIUM	ND(50.0)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	ND(10.0)	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 8.09E+00

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 25

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW107 + MW107 DUP
SAMPLE ID : OW-DJT-035 & OW-DJT-036
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	735	ND	ND	X	1.00E-01	2.01E-02	2.01E-01	26.30
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	53.5	ND	ND	X	NA	1.47E-03	0.00E+00	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	350	ND	ND	X	1.00E-01	9.59E-03	9.59E-02	12.52
METHYLBENZENE (TOLUENE)	3300	ND	ND	X	2.00E-01	9.04E-02	4.52E-01	59.03
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	1200	ND	ND	X	2.00E+00	3.29E-02	1.64E-02	2.15
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	1 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	35	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 7.66E-01

TOTAL PERCENT : 100

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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 26

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW108
SAMPLE ID : RW-017
SAMPLING DATE : 11/10/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	12	ND	ND	X	1.00E-01	3.29E-04	3.29E-05	22.41
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	21	ND	ND	X	NA	5.75E-04	0.00E+00	--
1,2-DICHLOROETHENE, TOTAL	11	ND	ND	X	9.00E-02	3.01E-04	3.35E-03	22.82
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(10)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5) UJ	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10) UJ	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10) UJ	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10) UJ	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10) UJ	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10) UJ	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10) UJ	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10) UJ	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	12000 J	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	17 J	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	120	6.19E+01	1.05E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	270000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	20	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	20	4.58E+01	6.98E+01		NA	--	--	--
COPPER	35	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	63000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	19 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	100000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	4800	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	60	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	8600	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(8) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	290000	4.96E+04	5.51E+04	X	NA	7.95E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	80	2.84E+01	3.64E+01	X	3.00E-01	2.19E-03	7.31E-03	49.79
CYANIDE	8	ND	ND	X	3.00E-01	2.19E-04	7.31E-04	4.98

HAZARD INDEX : 1.47E-02

TOTAL PERCENT : 100

NOTES :

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SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 27

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW108
SAMPLE ID : W-CJ-016
SAMPLING DATE : 5/4/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	20	ND	ND	X	1.00E-01	5.48E-04	5.48E-03	13.87
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	27	ND	ND	X	NA	7.40E-04	0.00E+00	--
1,2-DICHLOROETHENE, TOTAL	20	ND	ND	X	9.00E-02	5.48E-04	6.09E-03	15.41
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	100 D	ND	ND	X	1.00E-01	2.74E-03	2.74E-02	69.34
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	6500	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	12 J	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	64	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	5	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	320000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	ND(20)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	20	4.58E+01	6.98E+01		NA	--	--	--
COPPER	35	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	65000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	7 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	120000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	4900	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	20	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	8200	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(8) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	320000	4.96E+04	5.51E+04	X	NA	8.77E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	40	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	6	ND	ND	X	3.00E-01	1.64E-04	5.48E-04	1.39

HAZARD INDEX : 3.95E-02

TOTAL PERCENT : 100

NOTES :

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(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 28

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW108
SAMPLE ID : GW-DJT-051
SAMPLING DATE : 5/17/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	24	ND	ND	X	1.00E-01	6.58E-04	6.58E-03	100.00
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	36	ND	ND	X	NA	9.86E-04	0.00E+00	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	2 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	30	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 6.58E-03

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 29

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW109 + MW109 DUP
SAMPLE ID : RW-004 & RW-005
SAMPLING DATE : 11/8/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	10.5 U	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	10700	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	9.75	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	410	6.19E+01	1.06E+02	X	7.00E-02	1.12E-02	1.60E-01	37.76
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	157800	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	60	2.87E+01	5.03E+01	X	1.00E+00	1.64E-03	1.64E-03	0.39
COBALT	22.5	4.58E+01	6.98E+01		NA	--	--	--
COPPER	104.5	3.68E+01	5.44E+01	X	3.70E-02	2.86E-03	7.74E-02	18.21
IRON	28200	1.03E+05	1.49E+05		NA	--	--	--
LEAD	19	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	61150	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	740.5	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	90	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	13450	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(8.5)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	510000	4.96E+04	5.51E+04	X	NA	1.40E+01	0.00E+00	--
VANADIUM	42.5	5.00E+00	ND	X	7.00E-03	1.16E-03	1.66E-01	39.14
ZINC	210	2.84E+01	3.64E+01	X	3.00E-01	5.75E-03	1.92E-02	4.51
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 4.25E-01

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 30

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW109
SAMPLE ID : W-CJ-004
SAMPLING DATE : 5/3/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-05	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	20000	6.52E+03	1.34E+04	X	NA	5.48E-01	0.00E+00	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	4	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	220	6.19E+01	1.06E+02	X	7.00E-02	6.03E-03	8.61E-02	45.75
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	460000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	60	2.87E+01	5.03E+01	X	1.00E+00	1.64E-03	1.64E-03	0.87
COBALT	30	4.58E+01	6.98E+01		NA	--	--	--
COPPER	59	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	40000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	31	1.31E+01	2.42E+01	X	NA	8.49E-04	0.00E+00	--
MAGNESIUM	240000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	1800	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	90	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	9700	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(7)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	19000	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	1100	2.84E+01	3.64E+01	X	3.00E-01	3.01E-02	1.00E-01	53.38
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.88E-01

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
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(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 31

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW109
SAMPLE ID : OW-CJJ-023A & OW-CJJ-023B
SAMPLING DATE : 10/28/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(10) U	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	12100 J	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	4.9	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	132	6.19E+01	1.06E+02	X	7.00E-02	3.62E-03	5.17E-02	29.84
BERYLLIUM	ND(5.0)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(10.0)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	462000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	25	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	20	4.58E+01	6.98E+01		NA	--	--	--
COPPER	28	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	25300	1.03E+05	1.49E+05		NA	--	--	--
LEAD	8.5 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	218000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	3150	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.20)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	80	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	8680	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(25.0) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	18400	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50.0)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	1330	2.84E+01	3.64E+01	X	3.00E-01	3.64E-02	1.21E-01	70.16
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.73E-01

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 32

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW109 + MW109 DUP
SAMPLE ID : GW-DJT-002 & GW-DJT-005
SAMPLING DATE : 5/14/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-05	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-05	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(15) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	84	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
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D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 33

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW110
SAMPLE ID : RW-003A
SAMPLING DATE : 11/8/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-05	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(10)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5) UJ	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	1200	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3) UJ	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	64	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	84000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	ND(10)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(10)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	15	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	1800	1.03E+05	1.49E+05		NA	--	--	--
LEAD	2 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	45000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	120	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	ND(20)	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	3300	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(4) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	3700	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	20	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 34

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW110
SAMPLE ID : W-CJ-003
SAMPLING DATE : 5/2/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	390	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3)	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	50	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	110000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	ND(20)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(10)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	7	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	890	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(1)	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	36000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	330	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	ND(20)	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	1400	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(5)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	2700	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	ND(10)	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
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(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.

TABLE : 35

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW110
SAMPLE ID : GW-CIJ-028 A,B,C
SAMPLING DATE : 10/28/95-10/30/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(11) U	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	954 J	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3.0)	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	60	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5.0)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5.0)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	88800	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUMM (4)	ND(20.0)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(20.0)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	7	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	1740	1.03E+05	1.49E+05		NA	--	--	--
LEAD	1.6	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	40800	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	111	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.20)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	23	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	2440	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	ND(5000)	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50.0)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	18	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 36

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW110
SAMPLE ID : GW-DJT-020
SAMPLING DATE : 5/15/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(1) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	ND(20)	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 37

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW111
SAMPLE ID : RW-010
SAMPLING DATE : 11/9/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5) UJ	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5) UJ	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	8 J	ND	ND	X	1.00E-01	2.19E-04	2.19E-03	0.05
1,1-DICHLOROETHENE	ND(5) UJ	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	42 J	ND	ND	X	NA	1.15E-03	0.00E+00	--
1,2-DICHLOROETHENE, TOTAL	ND(5) UJ	ND	ND		9.00E-02	--	--	--
2-BUTANONE	15 UJ	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10) UJ	ND	ND		8.00E-02	--	--	--
ACETONE	270 DJ	ND	ND	X	1.00E-01	7.40E-03	7.40E-02	1.69
BENZENE	ND(5) UJ	ND	ND		NA	--	--	--
CHLOROFORM	ND(5) UJ	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5) UJ	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5) UJ	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5) UJ	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5) UJ	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5) UJ	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10) UJ	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5) UJ	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	2700	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	46.9	1.69E+01	3.17E+01	X	3.00E-04	1.28E-03	4.28E+00	98.01
BARIUM	25	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	420000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	ND(10)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	20	4.58E+01	6.98E+01		NA	--	--	--
COPPER	17	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	220000	1.03E+05	1.49E+05	X	NA	6.03E+00	0.00E+00	--
LEAD	4	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	170000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	8800	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	80	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	8000	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(10)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	8900	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	120	2.84E+01	3.64E+01	X	3.00E-01	3.29E-03	1.10E-02	0.25
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 4.37E+00

TOTAL PERCENT : 100

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SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 38

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW111
SAMPLE ID : W-CJ-005
SAMPLING DATE : 5/3/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	20	ND	ND	X	1.00E-01	5.48E-04	5.48E-03	6.65
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	94	ND	ND	X	NA	2.58E-03	0.00E+00	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)R	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)R	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	17000	6.52E+03	1.34E+04	X	NA	4.66E-01	0.00E+00	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	22	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	150	6.19E+01	1.06E+02	X	7.00E-02	4.11E-03	5.87E-02	71.20
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	6	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	420000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	ND(20)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	44	4.58E+01	6.98E+01		NA	--	--	--
COPPER	42	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	220000	1.03E+05	1.49E+05	X	NA	6.03E+00	0.00E+00	--
LEAD	26	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	160000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	7400	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	60	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	11000	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(8)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	120000	4.96E+04	5.51E+04	X	NA	3.29E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	200	2.84E+01	3.64E+01	X	3.00E-01	5.48E-03	1.83E-02	22.15
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 8.25E-02

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 39

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW111
SAMPLE ID : OW-CIJ-036
SAMPLING DATE : 10/30/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	53	ND	ND	X	NA	1.45E-03	0.00E+00	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(11) U	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)R	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)R	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	40700 J	6.52E+03	1.34E+04	X	NA	1.12E+00	0.00E+00	--
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	46.9 J	1.69E+01	3.17E+01	X	3.00E-04	1.28E-03	4.28E+00	88.38
BARIUM	354	6.19E+01	1.06E+02	X	7.00E-02	9.70E-03	1.39E-01	2.86
BERYLLIUM	ND(5.0)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5.0)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	409000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	95	2.87E+01	5.03E+01	X	1.00E+00	2.60E-03	2.60E-03	0.05
COBALT	55	4.58E+01	6.98E+01		NA	--	--	--
COPPER	77	3.68E+01	5.44E+01	X	3.70E-02	2.11E-03	5.70E-02	1.18
IRON	252000	1.03E+05	1.49E+05	X	NA	6.90E+00	0.00E+00	--
LEAD	52.3 J	1.31E+01	2.42E+01	X	NA	1.43E-03	0.00E+00	--
MAGNESIUM	165000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	8080	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.20)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	145	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	13700	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	84700	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	84	5.00E+00	ND	X	7.00E-03	2.30E-03	3.29E-01	6.78
ZINC	394 J	2.84E+01	3.64E+01	X	3.00E-01	1.08E-02	3.60E-02	0.74
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 4.85E+00

TOTAL PERCENT : 100

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X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 40

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW111
SAMPLE ID : GW-DJT-050
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	12	ND	ND	X	1.00E-01	3.29E-04	3.29E-03	100.00
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	97	ND	ND	X	NA	2.66E-03	0.00E+00	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(8) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	40	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.98E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 3.29E-03

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 41

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW113
SAMPLE ID : RW-018B
SAMPLING DATE : 11/12/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	NS	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	NS	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	NS	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	*NS*	*2.87E+01*	*5.03E+01*		*1.00E+00*	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	NS	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	NS	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	*NS*	*4.96E+04*	*5.51E+04*		*NA*	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

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(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 42

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW115
SAMPLE ID : SMH-63
SAMPLING DATE : 1/11/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5) UJ	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(10)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	5 UB	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	NS	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	NS	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	NS	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
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D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 43

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW113
SAMPLE ID : SMH-66
SAMPLING DATE : 2/2/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	NS	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	NS	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	48000	6.52E+03	1.34E+04	X	NA	1.32E+00	0.00E+00	--
ANTIMONY	ND(7) UJ	ND	ND		4.00E-04	--	--	--
ARSENIC	25 J	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	520	6.19E+01	1.06E+02	X	7.00E-02	1.42E-02	2.04E-01	32.80
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	470000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	100	2.87E+01	5.03E+01	X	1.00E+00	2.74E-03	2.74E-03	0.44
COBALT	70	4.58E+01	6.98E+01		NA	--	--	--
COPPER	72	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	98000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	90	1.31E+01	2.42E+01	X	NA	2.47E-03	0.00E+00	--
MAGNESIUM	230000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	7900	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	140	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	25000	7.19E+03	9.61E+03	X	NA	6.85E-01	0.00E+00	--
SELENIUM	ND(5) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	280000	4.96E+04	5.51E+04	X	NA	7.67E+00	0.00E+00	--
VANADIUM	100	5.00E+00	ND	X	7.00E-03	2.74E-03	3.91E-01	63.08
ZINC	250	2.84E+01	3.64E+01	X	3.00E-01	6.85E-03	2.28E-02	3.68
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 6.20E-01

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 44

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW113
SAMPLE ID : W-CJ-017
SAMPLING DATE : 5/4/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-05	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	77000	6.52E+03	1.34E+04	X	NA	2.11E+00	0.00E+00	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	30 J	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	780	6.19E+01	1.06E+02	X	7.00E-02	2.14E-02	3.05E-01	15.19
BERYLLIUM	5	ND	ND	X	5.00E-03	1.37E-04	2.74E-02	1.36
CADMIUM	12	4.54E+00	6.25E+00	X	5.00E-04	3.29E-04	6.58E-01	32.72
CALCIUM	470000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	140	2.87E+01	5.03E+01	X	1.00E+00	3.84E-03	3.84E-03	0.19
COBALT	110	4.58E+01	6.98E+01	X	NA	3.01E-03	0.00E+00	--
COPPER	110	3.68E+01	5.44E+01	X	3.70E-02	3.01E-03	8.15E-02	4.05
IRON	150000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	99 J	1.31E+01	2.42E+01	X	NA	2.71E-03	0.00E+00	--
MAGNESIUM	240000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	8900	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	0.4 J	1.27E-01	1.88E-01	X	NA	1.10E-05	0.00E+00	--
NICKEL	200	8.23E+01	1.18E+02	X	2.00E-02	5.48E-03	2.74E-01	13.63
POTASSIUM	32000	7.19E+03	9.61E+03	X	NA	8.77E-01	0.00E+00	--
SELENIUM	ND(7) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	310000	4.96E+04	5.51E+04	X	NA	8.49E+00	0.00E+00	--
VANADIUM	160	5.00E+00	ND	X	7.00E-03	4.38E-03	6.26E-01	31.16
ZINC	370	2.84E+01	3.64E+01	X	3.00E-01	1.01E-02	3.38E-02	1.68
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 2.01E+00

TOTAL PERCENT : 100

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SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
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(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 45

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW113
SAMPLE ID : GW-LMA-054
SAMPLING DATE : 11/1/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	NS	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	NS	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	NS	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 46

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW113
SAMPLE ID : GW-DJT-024
SAMPLING DATE : 5/15/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(10) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	60	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 47

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW114
SAMPLE ID : RW-060
SAMPLING DATE : 11/16/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10) UJ	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(10)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10) UJ	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	11000	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(9)	ND	ND		4.00E-04	--	--	--
ARSENIC	16 U	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	28	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	420000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	ND(20)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	150	4.58E+01	6.98E+01	X	NA	4.11E-03	0.00E+00	--
COPPER	22	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	300000	1.03E+05	1.49E+05	X	NA	8.22E+00	0.00E+00	--
LEAD	10 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	43000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	3400	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	250	8.23E+01	1.18E+02	X	2.00E-02	6.85E-03	3.42E-01	78.95
POTASSIUM	29000	7.19E+03	9.61E+03	X	NA	7.95E-01	0.00E+00	--
SELENIUM	ND(10)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	190000	4.96E+04	5.51E+04	X	NA	5.21E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	1000	2.84E+01	3.64E+01	X	3.00E-01	2.74E-02	9.13E-02	21.05
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 4.34E-01

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 48

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW114
SAMPLE ID : W-LA-051
SAMPLING DATE : 5/5/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	12000	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3) UJ	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	48	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	5	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	410000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	20	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	120	4.58E+01	6.98E+01	X	NA	3.29E-03	0.00E+00	--
COPPER	28	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	200000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	20 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	45000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	3200	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	190	8.23E+01	1.18E+02	X	2.00E-02	5.21E-03	2.60E-01	76.82
POTASSIUM	22000	7.19E+03	9.61E+03	X	NA	6.03E-01	0.00E+00	--
SELENIUM	ND(8) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	190000	4.96E+04	5.51E+04	X	NA	5.21E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	860	2.84E+01	3.64E+01	X	3.00E-01	2.36E-02	7.85E-02	23.18
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 3.39E-01

TOTAL PERCENT : 100

NOTES :

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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 49

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW114
SAMPLE ID : GW-LMA-007
SAMPLING DATE : 10/26/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	4250 J	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(5.0) UJ	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3.0) UJ	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	11	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5.0)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5.0)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	422000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	ND(20.0)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	89	4.58E+01	6.98E+01		NA	--	--	--
COPPER	2	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	161000 J	1.03E+05	1.49E+05		NA	--	--	--
LEAD	1.4 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	38800	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	2910	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.20)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	133	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	24900	7.19E+03	9.61E+03	X	NA	6.82E-01	0.00E+00	--
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	224000	4.96E+04	5.51E+04	X	NA	6.14E+00	0.00E+00	--
VANADIUM	ND(50.0)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	661	2.84E+01	3.64E+01	X	3.00E-01	1.81E-02	6.04E-02	100.00
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 6.04E-02

TOTAL PERCENT : 100

NOTES :

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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 50

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW114
SAMPLE ID : GW-DJT-028
SAMPLING DATE : 5/15/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(10) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	50	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 51

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW115
SAMPLE ID : RW-011
SAMPLING DATE : 11/10/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	6	ND	ND	X	9.00E-02	1.64E-04	1.83E-03	100.00
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10) UJ	ND	ND		8.00E-02	--	--	--
ACETONE	ND(10)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5) UJ	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	290	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(4) UJ	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	13	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	410000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	ND(10)	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(10)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	9	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	33000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(2) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	130000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	3100	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	ND(20)	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	8400	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(7) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	130000	4.96E+04	5.51E+04	X	NA	3.56E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	ND(10)	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.83E-03

TOTAL PERCENT : 100

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(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 52

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW115
SAMPLE ID : W-LA-028 & W-LA-051
SAMPLING DATE : 5/5/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	7	ND	ND	X	9.00E-02	1.92E-04	2.13E-03	100.00
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	940	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(4) UJ	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	18	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	420000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	40	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	10	4.58E+01	6.98E+01		NA	--	--	--
COPPER	17	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	46000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(10) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	130000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	4100	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	ND(20)	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	8200	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(7) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	130000	4.96E+04	5.51E+04	X	NA	3.56E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	ND(10)	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 2.13E-03

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 53

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW115
SAMPLE ID : GW-CJJ-005
SAMPLING DATE : 10/26/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-05	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	6	ND	ND	X	9.00E-02	1.64E-04	1.83E-03	14.60
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	10800 J	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	5.6 J	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	90	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5.0)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5.0)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	325000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	29	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(20.0)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	63	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	51900 J	1.03E+05	1.49E+05		NA	--	--	--
LEAD	14.2 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	99900	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	2840	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	0.44 J	1.27E-01	1.88E-01	X	NA	1.21E-05	0.00E+00	--
NICKEL	21	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	8900	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	86100	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50.0)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	117	2.84E+01	3.64E+01	X	3.00E-01	3.21E-03	1.07E-02	85.40
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.25E-02

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
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X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 54

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW115
SAMPLE ID : GW-DJT-011
SAMPLING DATE : 5/14/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(5) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	80	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
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(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 55

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW116
SAMPLE ID : RW-012A
SAMPLING DATE : 11/10/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5) UJ	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10) UJ	ND	ND		8.00E-02	--	--	--
ACETONE	10	ND	ND	X	1.00E-01	2.74E-04	2.74E-03	100.00
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5) UJ	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5) UJ	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	NS	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	NS	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	NS	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 2.74E-03

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
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SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
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(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 56

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW116
SAMPLE ID : W-LA-040 A,B
SAMPLING DATE : 5/7/95-5/11/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-05	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	260 D	ND	ND	X	1.00E-01	7.12E-03	7.12E-02	100.00
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	NS	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	NS	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	NS	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	NS	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 7.12E-02

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 57

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW116
SAMPLE ID : OW-LMA-006A
SAMPLING DATE : 10/26/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	NS	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	NS	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	NS	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 58

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW116
SAMPLE ID : GW-DJT-007
SAMPLING DATE : 5/14/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(10) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	25	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

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(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 59

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW117
SAMPLE ID : RW-013A & RW-013B
SAMPLING DATE : 11/10/94-11/11/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(10)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5) UJ	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	8900	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	9 J	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	89	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	490000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	30	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	20	4.58E+01	6.98E+01		NA	--	--	--
COPPER	38	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	120000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	10 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	200000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	6900	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	50	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	16000	7.19E+03	9.61E+03	X	NA	4.38E-01	0.00E+00	--
SELENIUM	ND(9) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	140000	4.96E+04	5.51E+04	X	NA	3.84E+00	0.00E+00	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	210	2.84E+01	3.64E+01	X	3.00E-01	5.75E-03	1.92E-02	100.00
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 1.92E-02

TOTAL PERCENT : 100

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E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 60

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW117 + MW117 DUP
SAMPLE ID : W-CJ-024 & W-CJ-025
SAMPLING DATE : 5/5/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	3850	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3) UJ	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	45	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	420000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	35	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	15	4.58E+01	6.98E+01		NA	--	--	--
COPPER	35	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	42500	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(8) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	150000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	5200	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	60	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	10000	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(6.5) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	55500	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	100	2.84E+01	3.64E+01	X	3.00E-01	2.74E-03	9.13E-03	100.00
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 9.13E-03

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 61

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW117
SAMPLE ID : GW-LMA-001
SAMPLING DATE : 10/25/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	12	ND	ND	X	NA	3.29E-04	0.00E+00	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	22200 J	6.52E+03	1.34E+04	X	NA	6.08E-01	0.00E+00	--
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	12.4 J	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	275	6.19E+01	1.06E+02	X	7.00E-02	7.53E-03	1.08E-01	31.90
BERYLLIUM	ND(5.0)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5.0)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	450000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	59	2.87E+01	5.03E+01	X	1.00E+00	1.62E-03	1.62E-03	0.48
COBALT	41	4.58E+01	6.98E+01		NA	--	--	--
COPPER	68	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	129000 J	1.03E+05	1.49E+05		NA	--	--	--
LEAD	18.3 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	179000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	5940	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.20)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	75	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	14800	7.19E+03	9.61E+03	X	NA	4.05E-01	0.00E+00	--
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	82000	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	52	5.00E+00	ND	X	7.00E-03	1.42E-03	2.04E-01	60.32
ZINC	270	2.84E+01	3.64E+01	X	3.00E-01	7.40E-03	2.47E-02	7.31
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 3.37E-01

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 62

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW117
SAMPLE ID : GW-DJT-029
SAMPLING DATE : 5/15/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-05	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(20) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	120	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 63

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW118
SAMPLE ID : RW-002
SAMPLING DATE : 11/8/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(10)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(10)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(10)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10) UJ	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	20000	6.52E+03	1.34E+04	X	NA	5.48E-01	0.00E+00	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	13	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	190	6.19E+01	1.06E+02	X	7.00E-02	5.21E-03	7.44E-02	26.38
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	370000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	50	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	30	4.58E+01	6.98E+01		NA	--	--	--
COPPER	48	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	50000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	18 J	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	130000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	4500	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	70	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	11000	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(8)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	80000	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	50	5.00E+00	ND	X	7.00E-03	1.37E-03	1.96E-01	69.41
ZINC	130	2.84E+01	3.64E+01	X	3.00E-01	3.56E-03	1.19E-02	4.21
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 2.82E-01

TOTAL PERCENT : 100

NOTES :

NA= NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 64

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW118
SAMPLE ID : W-CJ-001
SAMPLING DATE : 5/2/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	10000	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	4	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	94	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	300000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	30	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(10)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	23	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	34000	1.03E+05	1.49E+05		NA	--	--	--
LEAD	12	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	100000	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	3800	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	20	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	8700	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(5)	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	73000	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	60	2.84E+01	3.64E+01	X	3.00E-01	1.64E-03	5.48E-03	100.00
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 5.48E-03

TOTAL PERCENT : 100

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(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 65

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW118
SAMPLE ID : GW-LMA-027
SAMPLING DATE : 10/28/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND(5)	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND(5)	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND(50)	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND(50)	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	ND	ND		1.00E-01	--	--	--
BENZENE	ND(5)	ND	ND		NA	--	--	--
CHLOROFORM	ND(5)	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(11) U	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND(5)	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND(10)	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND(10)R	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND(10)	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND(10)R	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND(10)R	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND(10)R	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND(10)	ND	ND		2.00E-01	--	--	--
PHENOL	ND(10)R	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	9850 J	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	--	--	--
ARSENIC	9.7	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	97	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	ND(5.0)	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5.0)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	285000	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	47	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	ND(20.0)	4.58E+01	6.98E+01		NA	--	--	--
COPPER	21	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	32800	1.03E+05	1.49E+05		NA	--	--	--
LEAD	10.5	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	94700	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	3680	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	ND(0.20)	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	56	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	7870	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	55200	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	ND(50.0)	5.00E+00	ND		7.00E-03	--	--	--
ZINC	73	2.84E+01	3.64E+01	X	3.00E-01	2.00E-03	6.67E-03	100.00
CYANIDE	ND(5)	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 6.67E-03

TOTAL PERCENT : 100

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(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 66

SITE : SUMMIT NATIONAL
SECTOR : WATER TABLE UNIT
LOCATION : MW118
SAMPLE ID : GW-DJT-021
SAMPLING DATE : 5/15/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND(5)	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-05	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	--	--	--
2-BUTANONE	NS	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	--	--	--
ACETONE	NS	ND	ND		1.00E-01	--	--	--
BENZENE	NS	ND	ND		NA	--	--	--
CHLOROFORM	NS	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	NS	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND(5)	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	NS	ND	ND		NA	--	--	--
VINYL CHLORIDE	NS	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND(5)	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	NS	ND	ND		NA	--	--	--
2-METHYLPHENOL	NS	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	--	--	--
4-METHYLPHENOL	NS	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	--	--	--
ISOPHORONE	NS	ND	ND		2.00E-01	--	--	--
PHENOL	NS	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	--	--	--
TOXAPHENE	NS	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	NS	6.52E+03	1.34E+04		NA	--	--	--
ANTIMONY	NS	ND	ND		4.00E-04	--	--	--
ARSENIC	NS	1.69E+01	3.17E+01		3.00E-04	--	--	--
BARIUM	NS	6.19E+01	1.06E+02		7.00E-02	--	--	--
BERYLLIUM	NS	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	4.54E+00	6.25E+00		5.00E-04	--	--	--
CALCIUM	NS	2.89E+05	3.24E+05		NA	--	--	--
CHROMIUM (4)	NS	2.87E+01	5.03E+01		1.00E+00	--	--	--
COBALT	NS	4.58E+01	6.98E+01		NA	--	--	--
COPPER	NS	3.68E+01	5.44E+01		3.70E-02	--	--	--
IRON	NS	1.03E+05	1.49E+05		NA	--	--	--
LEAD	ND(10) UJ	1.31E+01	2.42E+01		NA	--	--	--
MAGNESIUM	NS	1.26E+05	1.53E+05		NA	--	--	--
MANGANESE	NS	4.82E+03	6.60E+03		4.67E-02	--	--	--
MERCURY	NS	1.27E-01	1.88E-01		NA	--	--	--
NICKEL	40	8.23E+01	1.18E+02		2.00E-02	--	--	--
POTASSIUM	NS	7.19E+03	9.61E+03		NA	--	--	--
SELENIUM	NS	ND	ND		5.00E-03	--	--	--
SILVER	NS	ND	ND		5.00E-03	--	--	--
SODIUM	NS	4.96E+04	5.51E+04		NA	--	--	--
VANADIUM	NS	5.00E+00	ND		7.00E-03	--	--	--
ZINC	NS	2.84E+01	3.64E+01		3.00E-01	--	--	--
CYANIDE	NS	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW101, MW102, MW103.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

II. UPPER INTERMEDIATE UNIT

TABLE : 67

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW202
SAMPLE ID : RW-032
SAMPLING DATE : 11/12/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(10)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	13000	5.99E+03	1.27E+04	X	NA	3.56E-01	0.00E+00	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3)	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	200	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	5	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	13000 J	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	20	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	ND(10)	1.83E+01	2.64E+01		NA	–	–	–
COPPER	20 U	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	12000	5.33E+04	9.38E+04		NA	–	–	–
LEAD	9 J	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	7300 J	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	120	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	6200	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(10)UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	470000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	ND(50)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	40	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 68

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW202
SAMPLE ID : W-CJ-020
SAMPLING DATE : 5/4/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COC*	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	--	--	--
ACETONE	1200 D	1.91E+01	2.61E+01	X	1.00E-01	3.29E-02	3.29E-01	99.42
BENZENE	ND	ND	ND		NA	--	--	--
CHLOROFORM	ND	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	--	--	--
ISOPHORONE	ND	ND	ND		2.00E-01	--	--	--
PHENOL	ND	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	6000	5.99E+03	1.27E+04		NA	--	--	--
ANTIMONY	ND	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3)UJ	5.45E+00	1.02E+01		3.00E-04	--	--	--
BARIUM	130	1.16E+02	2.26E+02		7.00E-02	--	--	--
BERYLLIUM	ND	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	--	--	--
CALCIUM	14000	2.57E+05	3.58E+05		NA	--	--	--
CHROMIUM (4)	70	2.86E+01	4.38E+01	X	1.00E+00	1.92E-03	1.92E-03	0.58
COBALT	ND(10)	1.83E+01	2.64E+01		NA	--	--	--
COPPER	23	3.08E+02	9.44E+02		3.70E-02	--	--	--
IRON	7600	5.33E+04	9.38E+04		NA	--	--	--
LEAD	6 J	1.05E+01	1.77E+01		NA	--	--	--
MAGNESIUM	6800	9.87E+04	1.26E+05		NA	--	--	--
MANGANESE	91	2.22E+03	4.41E+03		4.67E-02	--	--	--
MERCURY	ND	ND	ND		NA	--	--	--
NICKEL	40	3.25E+01	4.53E+01		2.00E-02	--	--	--
POTASSIUM	4800	1.22E+04	1.48E+04		NA	--	--	--
SELENIUM	ND(7)UJ	ND	ND		5.00E-03	--	--	--
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	--	--	--
SODIUM	520000	3.57E+05	5.34E+05		NA	--	--	--
VANADIUM	ND(50)	2.75E+01	3.32E+01		7.00E-03	--	--	--
ZINC	20	7.35E+01	1.15E+02		3.00E-01	--	--	--
CYANIDE	ND	ND	ND		3.00E-01	--	--	--
						HAZARD INDEX :	3.31E-01	
						TOTAL PERCENT :		100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) *BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.*
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 69

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW202
SAMPLE ID : GW-LMA-019
SAMPLING DATE : 10/28/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(11)U	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	1100 J	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3)UJ	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	66	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	11000	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	37	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	ND(20)	1.83E+01	2.64E+01		NA	–	–	–
COPPER	8	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	1870	5.33E+04	9.38E+04		NA	–	–	–
LEAD	ND(1)UJ	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	5620	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	31	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	27	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	4340	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(5)UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	476000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	ND(50)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	11	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 70

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW202
SAMPLE ID : GW-DJT-001
SAMPLING DATE : 5/13/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS				NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	NS	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	NS	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	NS	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	NS	1.83E+01	2.64E+01		NA	–	–	–
COPPER	NS	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	NS	5.33E+04	9.38E+04		NA	–	–	–
LEAD	5 J	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	NS	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	NS	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	NS	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	NS	2.75E+01	3.52E+01		7.00E-03	–	–	–
ZINC	NS	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 71

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW-205
SAMPLE ID : RW-045
SAMPLING DATE : 11/14/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(10)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	5100	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(4)	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	37	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	9300 J	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	ND(10)	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	ND(10)	1.83E+01	2.64E+01		NA	–	–	–
COPPER	14	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	4600	5.33E+04	9.38E+04		NA	–	–	–
LEAD	6	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	5200 J	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	41	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	6200	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(5)UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	740000	3.57E+05	5.34E+05	X	NA	2.03E+01	0.00E+00	–
VANADIUM	ND(50)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	30	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 72

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW203
SAMPLE ID : W-LA-044
SAMPLING DATE : 5/8/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	7	ND	ND	X	6.00E-02	1.92E-04	3.20E-03	2.48
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	12000	5.99E+03	1.27E+04	X	NA	3.29E-01	0.00E+00	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	5 J	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	130	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	13000	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	90	2.86E+01	4.38E+01	X	1.00E+00	2.47E-03	2.47E-03	1.91
COBALT	10	1.83E+01	2.64E+01		NA	–	–	–
COPPER	53	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	26000	5.33E+04	9.38E+04		NA	–	–	–
LEAD	18	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	8400	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	290	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	90	3.25E+01	4.53E+01	X	2.00E-02	2.47E-03	1.23E-01	95.61
POTASSIUM	7100	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(9)	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	740000	3.57E+05	5.34E+05	X	NA	2.03E+01	0.00E+00	–
VANADIUM	ND(50)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	110	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–
						HAZARD INDEX :	1.29E-01	
						TOTAL PERCENT :		100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 73

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW203
SAMPLE ID : GW-CII-040
SAMPLING DATE : 10/31/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(12)U	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	1330	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3)UJ	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	19	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	10100	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	67	2.86E+01	4.38E+01	X	1.00E+00	1.84E-03	1.84E-03	6.30
COBALT	ND(20)	1.83E+01	2.64E+01		NA	–	–	–
COPPER	26	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	2380	5.33E+04	9.38E+04		NA	–	–	–
LEAD	9.7	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	4950	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	38	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	35	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	6050	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(5)WN	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	748000	3.57E+05	5.34E+05	X	NA	2.05E+01	0.00E+00	–
VANADIUM	ND(50)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	299	7.35E+01	1.15E+02	X	3.00E-01	8.19E-03	2.73E-02	93.70
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 2.91E-02

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 74

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW203
SAMPLE ID : GW-DJT-042
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS				NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	NS	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	NS	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	NS	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	NS	1.83E+01	2.64E+01		NA	–	–	–
COPPER	NS	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	NS	5.33E+04	9.38E+04		NA	–	–	–
LEAD	9 J	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	NS	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	20	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	NS	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	NS	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	NS	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	NS	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 75

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW206
SAMPLE ID : RW-040
SAMPLING DATE : 11/14/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	ND(10)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	NS	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	NS	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	NS	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	NS	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	NS	1.83E+01	2.64E+01		NA	–	–	–
COPPER	NS	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	NS	5.33E+04	9.38E+04		NA	–	–	–
LEAD	NS	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	NS	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	NS	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	NS	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	NS	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	NS	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	NS	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 76

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW206
SAMPLE ID : W-CJ-050A & W-CJ-050B
SAMPLING DATE : 5/9/1995 & 05/11/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	NS	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	NS	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	NS	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	NS	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	NS	1.83E+01	2.64E+01		NA	–	–	–
COPPER	NS	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	NS	5.33E+04	9.38E+04		NA	–	–	–
LEAD	NS	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	NS	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	NS	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	NS	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	NS	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	NS	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	NS	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 77

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW206
SAMPLE ID : GW-LMA-052
SAMPLING DATE : 11/1/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	34700 J	5.99E+03	1.27E+04	X	NA	9.51E-01	0.00E+00	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	13.9	5.45E+00	1.02E+01	X	3.00E-04	3.81E-04	1.27E+00	70.37
BARIUM	313	1.16E+02	2.26E+02	X	7.00E-02	8.58E-03	1.23E-01	6.79
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	35200	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	90	2.86E+01	4.38E+01	X	1.00E+00	2.47E-03	2.47E-03	0.14
COBALT	40	1.83E+01	2.64E+01	X	NA	1.10E-03	0.00E+00	–
COPPER	86	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	103000 J	5.33E+04	9.38E+04		NA	–	–	–
LEAD	26.1 J	1.05E+01	1.77E+01	X	NA	7.15E-04	0.00E+00	–
MAGNESIUM	18600	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	2110	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	105	3.25E+01	4.53E+01	X	2.00E-02	2.88E-03	1.44E-01	7.97
POTASSIUM	14600	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(5)UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	671000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	62	2.75E+01	3.32E+01	X	7.00E-03	1.70E-03	2.43E-01	13.45
ZINC	251	7.35E+01	1.15E+02	X	3.00E-01	6.88E-03	2.29E-02	1.27
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 1.80E+00

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 78

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW206
SAMPLE ID : GW-DJT-025
SAMPLING DATE : 5/15/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	-	-	-
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	-	-	-
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	-	-	-
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	-	-	-
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	-	-	-
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	-	-	-
2-BUTANONE	NS	ND	ND		6.00E-01	-	-	-
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	-	-	-
ACETONE	NS	1.91E+01	2.61E+01		1.00E-01	-	-	-
BENZENE	NS	ND	ND		NA	-	-	-
CHLOROFORM	NS	ND	ND		1.00E-02	-	-	-
DICHLOROMETHANE	NS	ND	ND		6.00E-02	-	-	-
ETHYLBENZENE	NS	ND	ND		1.00E-01	-	-	-
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	-	-	-
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	-	-	-
TRICHLOROETHENE	NS	ND	ND		NA	-	-	-
VINYL CHLORIDE	NS	ND	ND		NA	-	-	-
XYLENES, TOTAL	NS	ND	ND		2.00E+00	-	-	-
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	-	-	-
2-METHYLNAPHTHALENE	NS	ND	ND		NA	-	-	-
2-METHYLPHENOL	NS	ND	ND		5.00E-02	-	-	-
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	-	-	-
4-METHYLPHENOL	NS	ND	ND		5.00E-03	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	NS	9.33E+00	1.93E+01		2.00E-02	-	-	-
ISOPHORONE	NS	ND	ND		2.00E-01	-	-	-
PHENOL	NS	ND	ND		6.00E-01	-	-	-
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	-	-	-
TOXAPHENE	NS	ND	ND		NA	-	-	-
METALS (TOTAL)								
ALUMINUM	NS	5.99E+03	1.27E+04		NA	-	-	-
ANTIMONY	NS	ND	ND		4.00E-04	-	-	-
ARSENIC	NS	5.45E+00	1.02E+01		3.00E-04	-	-	-
BARIUM	NS	1.16E+02	2.26E+02		7.00E-02	-	-	-
BERYLLIUM	NS	ND	ND		5.00E-03	-	-	-
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	-	-	-
CALCIUM	NS	2.57E+05	3.58E+05		NA	-	-	-
CHROMIUM (4)	NS	2.86E+01	4.38E+01		1.00E+00	-	-	-
COBALT	NS	1.83E+01	2.64E+01		NA	-	-	-
COPPER	NS	3.08E+02	9.44E+02		3.70E-02	-	-	-
IRON	NS	5.33E+04	9.38E+04		NA	-	-	-
LEAD	20 J	1.05E+01	1.77E+01		NA	-	-	-
MAGNESIUM	NS	9.87E+04	1.26E+05		NA	-	-	-
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	-	-	-
MERCURY	NS	ND	ND		NA	-	-	-
NICKEL	90	3.25E+01	4.53E+01	X	2.00E-02	2.47E-03	1.23E-01	100.00
POTASSIUM	NS	1.22E+04	1.48E+04		NA	-	-	-
SELENIUM	NS	ND	ND		5.00E-03	-	-	-
SILVER	NS	5.50E+00	6.63E+00		5.00E-03	-	-	-
SODIUM	NS	3.57E+05	5.34E+05		NA	-	-	-
VANADIUM	NS	2.75E+01	3.32E+01		7.00E-03	-	-	-
ZINC	NS	7.35E+01	1.15E+02		3.00E-01	-	-	-
CYANIDE	NS	ND	ND		3.00E-01	-	-	-

HAZARD INDEX : 1.23E-01

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 79

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW207
SAMPLE ID : RW-042
SAMPLING DATE : 11/14/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(10)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10) UJ	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	300	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3)	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	36	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	450000 J	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	ND(10)	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	10	1.83E+01	2.64E+01		NA	–	–	–
COPPER	14	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	63000	5.33E+04	9.38E+04		NA	–	–	–
LEAD	2	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	180000 J	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	3500	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	20	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	17000	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(4) UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	120000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	ND(50)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	ND(10)	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 80

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW207 + MW207 DUP
SAMPLE ID : W-LA-054 & W-LA-055
SAMPLING DATE : 5/10/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	-	-	-
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	-	-	-
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	-	-	-
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	-	-	-
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	-	-	-
2-BUTANONE	ND	ND	ND		6.00E-01	-	-	-
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	-	-	-
ACETONE	78	1.91E+01	2.61E+01	X	1.00E-01	2.14E-03	2.14E-02	100.00
BENZENE	ND	ND	ND		NA	-	-	-
CHLOROFORM	ND	ND	ND		1.00E-02	-	-	-
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	-	-	-
ETHYLBENZENE	ND	ND	ND		1.00E-01	-	-	-
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	-	-	-
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	-	-	-
TRICHLOROETHENE	ND	ND	ND		NA	-	-	-
VINYL CHLORIDE	ND	ND	ND		NA	-	-	-
XYLENES, TOTAL	ND	ND	ND		2.00E+00	-	-	-
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	-	-	-
2-METHYLNAPHTHALENE	ND	ND	ND		NA	-	-	-
2-METHYLPHENOL	ND	ND	ND		5.00E-02	-	-	-
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	-	-	-
4-METHYLPHENOL	ND	ND	ND		5.00E-03	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	-	-	-
ISOPHORONE	ND	ND	ND		2.00E-01	-	-	-
PHENOL	ND	ND	ND		6.00E-01	-	-	-
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	-	-	-
TOXAPHENE	ND	ND	ND		NA	-	-	-
METALS (TOTAL)								
ALUMINUM	375	5.99E+03	1.27E+04		NA	-	-	-
ANTIMONY	ND	ND	ND		4.00E-04	-	-	-
ARSENIC	ND(3)	5.45E+00	1.02E+01		3.00E-04	-	-	-
BARIUM	13	1.16E+02	2.26E+02		7.00E-02	-	-	-
BERYLLIUM	ND	ND	ND		5.00E-03	-	-	-
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	-	-	-
CALCIUM	430000	2.57E+05	3.58E+05		NA	-	-	-
CHROMIUM (4)	ND(20)	2.86E+01	4.38E+01		1.00E+00	-	-	-
COBALT	ND(10)	1.83E+01	2.64E+01		NA	-	-	-
COPPER	15	3.08E+02	9.44E+02		3.70E-02	-	-	-
IRON	69500 J	5.33E+04	9.38E+04		NA	-	-	-
LEAD	10	1.05E+01	1.77E+01		NA	-	-	-
MAGNESIUM	170000	9.87E+04	1.26E+05		NA	-	-	-
MANGANESE	3150	2.22E+03	4.41E+03		4.67E-02	-	-	-
MERCURY	ND	ND	ND		NA	-	-	-
NICKEL	ND(20)	3.25E+01	4.53E+01		2.00E-02	-	-	-
POTASSIUM	15000	1.22E+04	1.48E+04		NA	-	-	-
SELENIUM	ND(9) UJ	ND	ND		5.00E-03	-	-	-
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	-	-	-
SODIUM	120000	3.57E+05	5.34E+05		NA	-	-	-
VANADIUM	ND(50)	2.75E+01	3.32E+01		7.00E-03	-	-	-
ZINC	ND(10)	7.35E+01	1.15E+02		3.00E-01	-	-	-
CYANIDE	ND	ND	ND		3.00E-01	-	-	-

HAZARD INDEX : 2.14E-02

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 81

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW207
SAMPLE ID : GW-LMA-043
SAMPLING DATE : 10/31/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(12) U	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	811	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3.0) UJ	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	16	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	449000	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	55	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	ND(20.0)	1.83E+01	2.64E+01		NA	–	–	–
COPPER	11	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	76700	5.33E+04	9.38E+04		NA	–	–	–
LEAD	ND(1.0) UJ	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	175000	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	3200	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	33	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	17700	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	124000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	ND(50.0)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	ND(10.0)	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 82

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW207
SAMPLE ID : GW-DJT-054
SAMPLING DATE : 5/17/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	NS	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	NS	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	NS	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	NS	1.83E+01	2.64E+01		NA	–	–	–
COPPER	NS	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	NS	5.33E+04	9.38E+04		NA	–	–	–
LEAD	ND(10) UJ	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	NS	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	NS	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	NS	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	NS	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	NS	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 83

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW209
SAMPLE ID : RW-007
SAMPLING DATE : 11/8/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	ND(10)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5) UJ	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND(5)	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	11000	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	3 J	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	120	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	520000	2.57E+05	3.58E+05	X	NA	1.42E+01	0.00E+00	–
CHROMIUM (4)	20	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	20	1.83E+01	2.64E+01		NA	–	–	–
COPPER	69	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	19000	5.33E+04	9.38E+04		NA	–	–	–
LEAD	7 J	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	260000	9.87E+04	1.26E+05	X	NA	7.12E+00	0.00E+00	–
MANGANESE	1900	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	50	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	13000	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(7) UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	23000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	ND(50)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	190	7.35E+01	1.15E+02	X	3.00E-01	5.21E-03	1.74E-02	100.00
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 1.74E-02

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 84

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW209
SAMPLE ID : W-CJ-015
SAMPLING DATE : 5/4/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	120 D	1.91E+01	2.61E+01	X	1.00E-01	3.29E-03	3.29E-02	100.00
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5) UJ	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND(5)	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	ND(50)	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(5) UJ	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	21	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	6	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	370000	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	ND(20)	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	20	1.83E+01	2.64E+01		NA	–	–	–
COPPER	5	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	21000	5.33E+04	9.38E+04		NA	–	–	–
LEAD	2 J	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	160000	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	3600	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	20	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	16000	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(7) UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	310000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	ND(50)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	20	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 3.29E-02

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: *HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.*
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 85

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW209 + MW209 DUP
SAMPLE ID : GW-LMA-024 & GW-LMA-025
SAMPLING DATE : 10/28/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % UME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(11) U	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND(5)	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	6880	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	7.3	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	110	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	342000	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	36.5	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	ND(20.0)	1.83E+01	2.64E+01		NA	–	–	–
COPPER	38.5	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	31850	5.33E+04	9.38E+04		NA	–	–	–
LEAD	10.25	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	142500	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	2335	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	50	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	17450	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	318000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	ND(50.0)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	148.5	7.35E+01	1.15E+02	X	3.00E-01	4.07E-03	1.36E-02	100.00
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 1.36E-02

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 86

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW209
SAMPLE ID : GW-DJT-014
SAMPLING DATE : 5/14/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	-	-	-
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	-	-	-
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	-	-	-
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	-	-	-
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	-	-	-
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	-	-	-
2-BUTANONE	NS	ND	ND		6.00E-01	-	-	-
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	-	-	-
ACETONE	NS	1.91E+01	2.61E+01		1.00E-01	-	-	-
BENZENE	NS	ND	ND		NA	-	-	-
CHLOROFORM	NS	ND	ND		1.00E-02	-	-	-
DICHLOROMETHANE	NS	ND	ND		6.00E-02	-	-	-
ETHYLBENZENE	NS	ND	ND		1.00E-01	-	-	-
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	-	-	-
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	-	-	-
TRICHLOROETHENE	NS	ND	ND		NA	-	-	-
VINYL CHLORIDE	NS	ND	ND		NA	-	-	-
XYLENES, TOTAL	NS	ND	ND		2.00E+00	-	-	-
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	-	-	-
2-METHYLNAPHTHALENE	NS	ND	ND		NA	-	-	-
2-METHYLPHENOL	NS	ND	ND		5.00E-02	-	-	-
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	-	-	-
4-METHYLPHENOL	NS	ND	ND		5.00E-03	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	NS	9.33E+00	1.93E+01		2.00E-02	-	-	-
ISOPHORONE	NS	ND	ND		2.00E-01	-	-	-
PHENOL	NS	ND	ND		6.00E-01	-	-	-
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	-	-	-
TOXAPHENE	NS	ND	ND		NA	-	-	-
METALS (TOTAL)								
ALUMINUM	NS	5.99E+03	1.27E+04		NA	-	-	-
ANTIMONY	NS	ND	ND		4.00E-04	-	-	-
ARSENIC	NS	5.45E+00	1.02E+01		3.00E-04	-	-	-
BARIUM	NS	1.16E+02	2.26E+02		7.00E-02	-	-	-
BERYLLIUM	NS	ND	ND		5.00E-03	-	-	-
CADMIUM	ND(10)	3.04E+00	3.87E+00		5.00E-04	-	-	-
CALCIUM	NS	2.57E+05	3.58E+05		NA	-	-	-
CHROMIUM (4)	NS	2.86E+01	4.38E+01		1.00E+00	-	-	-
COBALT	NS	1.83E+01	2.64E+01		NA	-	-	-
COPPER	NS	3.08E+02	9.44E+02		3.70E-02	-	-	-
IRON	NS	5.33E+04	9.38E+04		NA	-	-	-
LEAD	ND(8) UJ	1.05E+01	1.77E+01		NA	-	-	-
MAGNESIUM	NS	9.87E+04	1.26E+05		NA	-	-	-
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	-	-	-
MERCURY	NS	ND	ND		NA	-	-	-
NICKEL	20	3.25E+01	4.53E+01		2.00E-02	-	-	-
POTASSIUM	NS	1.22E+04	1.48E+04		NA	-	-	-
SELENIUM	NS	ND	ND		5.00E-03	-	-	-
SILVER	NS	5.50E+00	6.63E+00		5.00E-03	-	-	-
SODIUM	NS	3.57E+05	5.34E+05		NA	-	-	-
VANADIUM	NS	2.75E+01	3.32E+01		7.00E-03	-	-	-
ZINC	NS	7.35E+01	1.15E+02		3.00E-01	-	-	-
CYANIDE	NS	ND	ND		3.00E-01	-	-	-

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITTY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 87

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW219
SAMPLE ID : RW-056B
SAMPLING DATE : 11/15/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	ND(10)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	11	ND	ND	X	1.00E-02	3.01E-04	3.01E-02	2.51
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	36000	5.99E+03	1.27E+04	X	NA	9.86E-01	0.00E+00	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	19 U	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	2100	1.16E+02	2.26E+02	X	7.00E-02	5.75E-02	8.22E-01	68.55
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	33000	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	100	2.86E+01	4.38E+01	X	1.00E+00	2.74E-03	2.74E-03	0.23
COBALT	30	1.83E+01	2.64E+01		NA	–	–	–
COPPER	410	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	76000	5.33E+04	9.38E+04		NA	–	–	–
LEAD	32 J	1.05E+01	1.77E+01	X	NA	8.77E-04	0.00E+00	–
MAGNESIUM	13000	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	30	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	11000	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(5) UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	440000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	80	2.75E+01	3.32E+01	X	7.00E-03	2.19E-03	3.13E-01	26.12
ZINC	340	7.35E+01	1.15E+02	X	3.00E-01	9.32E-03	3.11E-02	2.59
CYANIDE	ND	ND	ND		3.00E-01	–	–	–
						HAZARD INDEX :	1.20E+00	
						TOTAL PERCENT :		100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 88

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW219
SAMPLE ID : W-LA-060
SAMPLING DATE : 5/12/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	-	-	-
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	-	-	-
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	-	-	-
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	-	-	-
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	-	-	-
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	-	-	-
2-BUTANONE	NS	ND	ND		6.00E-01	-	-	-
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	-	-	-
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	-	-	-
BENZENE	NS	ND	ND		NA	-	-	-
CHLOROFORM	NS	ND	ND		1.00E-02	-	-	-
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	-	-	-
ETHYLBENZENE	NS	ND	ND		1.00E-01	-	-	-
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	-	-	-
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	-	-	-
TRICHLOROETHENE	NS	ND	ND		NA	-	-	-
VINYL CHLORIDE	NS	ND	ND		NA	-	-	-
XYLENES, TOTAL	NS	ND	ND		2.00E+00	-	-	-
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	-	-	-
2-METHYLNAPHTHALENE	NS	ND	ND		NA	-	-	-
2-METHYLPHENOL	NS	ND	ND		5.00E-02	-	-	-
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	-	-	-
4-METHYLPHENOL	NS	ND	ND		5.00E-03	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	-	-	-
ISOPHORONE	NS	ND	ND		2.00E-01	-	-	-
PHENOL	NS	ND	ND		6.00E-01	-	-	-
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	-	-	-
TOXAPHENE	NS	ND	ND		NA	-	-	-
METALS (TOTAL)								
ALUMINUM	2500 J	5.99E+03	1.27E+04		NA	-	-	-
ANTIMONY	ND	ND	ND		4.00E-04	-	-	-
ARSENIC	5	5.45E+00	1.02E+01		3.00E-04	-	-	-
BARIUM	49	1.16E+02	2.26E+02		7.00E-02	-	-	-
BERYLLIUM	N	ND	ND		5.00E-03	-	-	-
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	-	-	-
CALCIUM	6500	2.57E+05	3.58E+05		NA	-	-	-
CHROMIUM (4)	ND(20)	2.86E+01	4.38E+01		1.00E+00	-	-	-
COBALT	ND(10)	1.83E+01	2.64E+01		NA	-	-	-
COPPER	50	3.08E+02	9.44E+02		3.70E-02	-	-	-
IRON	1900	5.33E+04	9.38E+04		NA	-	-	-
LEAD	6	1.05E+01	1.77E+01		NA	-	-	-
MAGNESIUM	2800	9.87E+04	1.26E+05		NA	-	-	-
MANGANESE	25	2.22E+03	4.41E+03		4.67E-02	-	-	-
MERCURY	ND	ND	ND		NA	-	-	-
NICKEL	ND(20)	3.25E+01	4.53E+01		2.00E-02	-	-	-
POTASSIUM	4000	1.22E+04	1.48E+04		NA	-	-	-
SELENIUM	ND(7) UJ	ND	ND		5.00E-03	-	-	-
SILVER	ND(10)	5.50E+00	6.63E+00		5.00E-03	-	-	-
SODIUM	490000	3.57E+05	5.34E+05		NA	-	-	-
VANADIUM	ND(50)	2.75E+01	3.32E+01		7.00E-03	-	-	-
ZINC	20	7.35E+01	1.15E+02		3.00E-01	-	-	-
CYANIDE	ND	ND	ND		3.00E-01	-	-	-

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 89

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW219
SAMPLE ID : GW-CIJ-053
SAMPLING DATE : 11/1/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	1560 J	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3.0) UJ	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	65	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	9800	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	ND(20.0)	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	ND(20.0)	1.83E+01	2.64E+01		NA	–	–	–
COPPER	62	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	2330 J	5.33E+04	9.38E+04		NA	–	–	–
LEAD	18.1 J	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	3420	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	52	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	ND(20.0)	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	4640	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	553000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	ND(50.0)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	62	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 90

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW219
SAMPLE ID : GW-DJT-037
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	NS	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	NS	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	NS	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	NS	1.83E+01	2.64E+01		NA	–	–	–
COPPER	NS	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	NS	5.33E+04	9.38E+04		NA	–	–	–
LEAD	19 J	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	NS	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	NS	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	NS	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	NS	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	NS	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 91

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW220
SAMPLE ID : GW-LMA-043
SAMPLING DATE : 11/2/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	34300	5.99E+03	1.27E+04	X	NA	9.40E-01	0.00E+00	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	17 J	5.45E+00	1.02E+01	X	3.00E-04	4.66E-04	1.55E+00	66.16
BARIUM	558	1.16E+02	2.26E+02	X	7.00E-02	1.53E-02	2.18E-01	9.31
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	49700	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	118	2.86E+01	4.38E+01	X	1.00E+00	3.23E-03	3.23E-03	0.14
COBALT	31	1.83E+01	2.64E+01		NA	–	–	–
COPPER	346	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	82300	5.33E+04	9.38E+04		NA	–	–	–
LEAD	79.8	1.05E+01	1.77E+01	X	NA	2.19E-03	0.00E+00	–
MAGNESIUM	24500	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	811	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	117	3.25E+01	4.53E+01	X	2.00E-02	3.21E-03	1.60E-01	6.83
POTASSIUM	14400	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	10.1 J	ND	ND	X	5.00E-03	2.77E-04	5.53E-02	2.36
SILVER	ND(10.0)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	542000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	84	2.75E+01	3.32E+01	X	7.00E-03	2.30E-03	3.29E-01	14.01
ZINC	309	7.35E+01	1.15E+02	X	3.00E-01	8.47E-03	2.82E-02	1.20
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 2.35E+00

TOTAL PERCENT : 100

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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 92

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW220 + MW220 DUP
SAMPLE ID : GW-DJT-016 & GW-DJT-017
SAMPLING DATE : 5/14/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	NS	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	NS	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	NS	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	NS	1.83E+01	2.64E+01		NA	–	–	–
COPPER	NS	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	NS	5.33E+04	9.38E+04		NA	–	–	–
LEAD	6.5 J	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	NS	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	20	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	NS	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	NS	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	NS	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	NS	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 93

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW223
SAMPLE ID : GW-CJJ-064
SAMPLING DATE : 11/2/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	7	ND	ND	X	NA	1.92E-04	0.00E+00	–
1,2-DICHLOROETHENE, TOTAL	6	ND	ND	X	9.00E-02	1.64E-04	1.83E-03	0.04
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	34700	5.99E+03	1.27E+04	X	NA	9.51E-01	0.00E+00	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	6 J	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	2500	1.16E+02	2.26E+02	X	7.00E-02	6.85E-02	9.78E-01	21.41
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	346000	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	21	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	25	1.83E+01	2.64E+01		NA	–	–	–
COPPER	85	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	183000	5.33E+04	9.38E+04	X	NA	5.01E+00	0.00E+00	–
LEAD	68.5	1.05E+01	1.77E+01	X	NA	1.88E-03	0.00E+00	–
MAGNESIUM	117000	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	5890	2.22E+03	4.41E+03	X	4.67E-02	1.61E-01	3.46E+00	75.60
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	86	3.25E+01	4.53E+01	X	2.00E-02	2.36E-03	1.18E-01	2.58
POTASSIUM	27900	1.22E+04	1.48E+04	X	NA	7.64E-01	0.00E+00	–
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	240000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	ND(50.0)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	189	7.35E+01	1.15E+02	X	3.00E-01	5.18E-03	1.73E-02	0.38
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 4.57E+00

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 94

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW223
SAMPLE ID : GW-DJT-038
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	7	ND	ND	X	NA	1.92E-04	0.00E+00	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	NS	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	NS	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	NS	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	NS	1.83E+01	2.64E+01		NA	–	–	–
COPPER	NS	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	NS	5.33E+04	9.38E+04		NA	–	–	–
LEAD	ND(20) UJ	1.05E+01	1.77E+01		NA	–	–	–
MAGNESIUM	NS	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	30	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	NS	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	NS	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	NS	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	NS	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 95

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW224
SAMPLE ID : OW-LMA-048
SAMPLING DATE : 11/1/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND(5)	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND(5)	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	40800 J	5.99E+03	1.27E+04	X	NA	1.12E+00	0.00E+00	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	8.9	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	2050	1.16E+02	2.26E+02	X	7.00E-02	5.62E-02	8.02E-01	97.19
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	408000	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	26	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	ND(20.0)	1.83E+01	2.64E+01		NA	–	–	–
COPPER	61	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	63400 J	5.33E+04	9.38E+04		NA	–	–	–
LEAD	62.5 J	1.05E+01	1.77E+01	X	NA	1.71E-03	0.00E+00	–
MAGNESIUM	152000	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	1680	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	20	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	31300	1.22E+04	1.48E+04	X	NA	8.58E-01	0.00E+00	–
SELENIUM	ND(5.0) UJ	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	381000	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	ND(50.0)	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	254	7.35E+01	1.15E+02	X	3.00E-01	6.96E-03	2.32E-02	2.81
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 8.26E-01

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 96

SITE : SUMMIT NATIONAL
SECTOR : UPPER INTERMEDIATE UNIT
LOCATION : MW224
SAMPLE ID : GW-DJT-055
SAMPLING DATE : 5/17/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND(5)	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	1.91E+01	2.61E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	NS	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	9.33E+00	1.93E+01		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	5.99E+03	1.27E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	5.45E+00	1.02E+01		3.00E-04	–	–	–
BARIUM	NS	1.16E+02	2.26E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.04E+00	3.87E+00		5.00E-04	–	–	–
CALCIUM	NS	2.57E+05	3.58E+05		NA	–	–	–
CHROMIUM (4)	NS	2.86E+01	4.38E+01		1.00E+00	–	–	–
COBALT	NS	1.83E+01	2.64E+01		NA	–	–	–
COPPER	NS	3.08E+02	9.44E+02		3.70E-02	–	–	–
IRON	NS	5.33E+04	9.38E+04		NA	–	–	–
LEAD	26 J	1.05E+01	1.77E+01	X	NA	7.12E-04	0.00E+00	–
MAGNESIUM	NS	9.87E+04	1.26E+05		NA	–	–	–
MANGANESE	NS	2.22E+03	4.41E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	50	3.25E+01	4.53E+01		2.00E-02	–	–	–
POTASSIUM	NS	1.22E+04	1.48E+04		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	5.50E+00	6.63E+00		5.00E-03	–	–	–
SODIUM	NS	3.57E+05	5.34E+05		NA	–	–	–
VANADIUM	NS	2.75E+01	3.32E+01		7.00E-03	–	–	–
ZINC	NS	7.35E+01	1.15E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

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B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW201, MW204, MW205.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

III. LOWER INTERMEDIATE UNIT

TABLE : 97

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW303
SAMPLE ID : RW-046
SAMPLING DATE : 11/14/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	-	-	-
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	-	-	-
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	-	-	-
1,2-DICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	-	-	-
2-BUTANONE	ND	ND	ND		6.00E-01	-	-	-
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	-	-	-
ACETONE	ND(10)	3.00E+01	5.98E+01		1.00E-01	-	-	-
BENZENE	ND	ND	ND		NA	-	-	-
CHLOROFORM	ND	ND	ND		1.00E-02	-	-	-
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	-	-	-
ETHYLBENZENE	ND	ND	ND		1.00E-01	-	-	-
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	-	-	-
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	-	-	-
TRICHLOROETHENE	ND	ND	ND		NA	-	-	-
VINYL CHLORIDE	ND	ND	ND		NA	-	-	-
XYLENES, TOTAL	ND	ND	ND		2.00E+00	-	-	-
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	-	-	-
2-METHYLNAPHTHALENE	ND	ND	ND		NA	-	-	-
2-METHYLPHENOL	ND	ND	ND		5.00E-02	-	-	-
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	-	-	-
4-METHYLPHENOL	ND	ND	ND		5.00E-03	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	-	-	-
ISOPHORONE	ND	ND	ND		2.00E-01	-	-	-
PHENOL	ND	ND	ND		6.00E-01	-	-	-
PESTICIDES/PCBS								
METHOXYCHLOR	1	ND	ND	X	5.00E-03	2.74E-05	5.48E-03	100.00
TOXAPHENE	2	ND	ND	X	NA	5.48E-05	0.00E+00	-
METALS (TOTAL)								
ALUMINUM	1900	6.40E+03	1.76E+04		NA	-	-	-
ANTIMONY	ND(10)	ND	ND		4.00E-04	-	-	-
ARSENIC	ND(3)	2.11E+00	2.97E+00		3.00E-04	-	-	-
BARIUM	77	1.20E+02	2.59E+02		7.00E-02	-	-	-
BERYLLIUM	ND	ND	ND		5.00E-03	-	-	-
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	-	-	-
CALCIUM	20000 J	5.54E+04	8.87E+04		NA	-	-	-
CHROMIUM (4)	10	4.14E+01	8.30E+01		1.00E+00	-	-	-
COBALT	ND(10)	1.67E+01	3.79E+01		NA	-	-	-
COPPER	8	3.23E+01	6.18E+01		3.70E-02	-	-	-
IRON	2000	1.89E+04	5.11E+04		NA	-	-	-
LEAD	3	8.15E+00	1.60E+01		NA	-	-	-
MAGNESIUM	8300 J	2.81E+04	4.37E+04		NA	-	-	-
MANGANESE	35	4.49E+02	1.19E+03		4.67E-02	-	-	-
MERCURY	ND(0.2)	ND	ND		NA	-	-	-
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	-	-	-
POTASSIUM	8000	6.73E+03	8.74E+03		NA	-	-	-
SELENIUM	ND	ND	ND		5.00E-03	-	-	-
SILVER	ND(10)	ND	ND		5.00E-03	-	-	-
SODIUM	700000	5.20E+05	6.40E+05		NA	-	-	-
VANADIUM	ND(50)	3.22E+01	4.89E+01		7.00E-03	-	-	-
ZINC	ND(10)	9.66E+01	1.77E+02		3.00E-01	-	-	-
CYANIDE	ND	ND	ND		3.00E-01	-	-	-

HAZARD INDEX : 5.48E-03

TOTAL PERCENT : 100

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 98

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW303
SAMPLE ID : W-CJ-045
SAMPLING DATE : 5/8/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	91	3.00E+01	5.98E+01	X	1.00E-01	2.49E-03	2.49E-02	0.58
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	6	ND	ND	X	6.00E-02	1.64E-04	2.74E-03	0.06
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	19000	6.40E+03	1.76E+04	X	NA	5.21E-01	0.00E+00	–
ANTIMONY	ND(10)	ND	ND		4.00E-04	–	–	–
ARSENIC	34 J	2.11E+00	2.97E+00	X	3.00E-04	9.32E-04	3.11E+00	72.62
BARIUM	460	1.20E+02	2.59E+02	X	7.00E-02	1.26E-02	1.80E-01	4.21
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	68000	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	130	4.14E+01	8.30E+01	X	1.00E+00	3.56E-03	3.56E-03	0.08
COBALT	20	1.67E+01	3.79E+01		NA	–	–	–
COPPER	81	3.23E+01	6.18E+01	X	3.70E-02	2.22E-03	6.00E-02	1.40
IRON	65000	1.89E+04	5.11E+04	X	NA	1.78E+00	0.00E+00	–
LEAD	23	8.15E+00	1.60E+01	X	NA	6.30E-04	0.00E+00	–
MAGNESIUM	11000	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	1300	4.49E+02	1.19E+03	X	4.67E-02	3.56E-02	7.63E-01	17.84
MERCURY	ND(0.2)	ND	ND		NA	–	–	–
NICKEL	100	3.65E+01	7.28E+01	X	2.00E-02	2.74E-03	1.37E-01	3.20
POTASSIUM	9600	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	ND	ND		5.00E-03	–	–	–
SODIUM	660000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	140	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–
						HAZARD INDEX :	4.28E+00	
						TOTAL PERCENT :		100

NOTES :

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B = *ANALYTE DETECTED IN LABORATORY BLANK.*
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
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X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 99

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW303
SAMPLE ID : GW-LMA-041
SAMPLING DATE : 10/31/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	91	3.00E+01	5.98E+01	X	1.00E-01	2.49E-03	2.49E-02	17.22
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	6	ND	ND	X	6.00E-02	1.64E-04	2.74E-03	1.89
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	3270	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(5.0) UJ	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3.0) UJ	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	134	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	35300	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	124	4.14E+01	8.30E+01	X	1.00E+00	3.40E-03	3.40E-03	2.35
COBALT	ND(20.0)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	37	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	14600	1.89E+04	5.11E+04		NA	–	–	–
LEAD	10.3	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	10000	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	266	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.20)	ND	ND		NA	–	–	–
NICKEL	83	3.65E+01	7.28E+01	X	2.00E-02	2.27E-03	1.14E-01	78.54
POTASSIUM	7800	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	ND	ND		5.00E-03	–	–	–
SODIUM	742000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50.0)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	43	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 1.45E-01

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 100

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW303
SAMPLE ID : GW-DJT-039
SAMPLING DATE : 5/16/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	NS	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	NS	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	NS	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	NS	1.67E+01	3.79E+01		NA	–	–	–
COPPER	NS	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	NS	1.89E+04	5.11E+04		NA	–	–	–
LEAD	5 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	NS	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	NS	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	NS	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	ND	ND		5.00E-03	–	–	–
SODIUM	NS	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	NS	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	NS	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 101

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW305
SAMPLE ID : RW-015
SAMPLING DATE : 11/10/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	BACKGROUND CONCENTRATION (1) 95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	--	--	--
ACETONE	ND(10)	3.00E+01	5.98E+01		1.00E-01	--	--	--
BENZENE	ND	ND	ND		NA	--	--	--
CHLOROFORM	ND	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5) UJ	ND	ND		6.00E-02	--	--	--
ETHYLBENZENE	ND	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND	ND	ND		2.00E-01	--	--	--
PHENOL	ND	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND(1)	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	110	6.40E+03	1.76E+04		NA	--	--	--
ANTIMONY	ND(7)	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(5) UJ	2.11E+00	2.97E+00		3.00E-04	--	--	--
BARIUM	6	1.20E+02	2.59E+02		7.00E-02	--	--	--
BERYLLIUM	ND	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	--	--	--
CALCIUM	140000	5.54E+04	8.87E+04	X	NA	3.84E+00	0.00E+00	--
CHROMIUM (4)	30	4.14E+01	8.30E+01		1.00E+00	--	--	--
COBALT	ND(10)	1.67E+01	3.79E+01		NA	--	--	--
COPPER	3	3.23E+01	6.18E+01		3.70E-02	--	--	--
IRON	2300	1.89E+04	5.11E+04		NA	--	--	--
LEAD	ND(1) UJ	8.15E+00	1.60E+01		NA	--	--	--
MAGNESIUM	55000	2.81E+04	4.37E+04		NA	--	--	--
MANGANESE	420	4.49E+02	1.19E+03		4.67E-02	--	--	--
MERCURY	ND(0.2)	ND	ND		NA	--	--	--
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	--	--	--
POTASSIUM	22000	6.73E+03	8.74E+03	X	NA	6.03E-01	0.00E+00	--
SELENIUM	ND	ND	ND		5.00E-03	--	--	--
SILVER	ND(10)	ND	ND		5.00E-03	--	--	--
SODIUM	480000	5.20E+05	6.40E+05		NA	--	--	--
VANADIUM	ND(50)	3.22E+01	4.89E+01		7.00E-03	--	--	--
ZINC	20	9.66E+01	1.77E+02		3.00E-01	--	--	--
CYANIDE	ND	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 102

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW305
SAMPLE ID : W-CJ-027
SAMPLING DATE : 5/5/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	320	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(9)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(4) UJ	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	16	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	120000	5.54E+04	8.87E+04	X	NA	3.29E+00	0.00E+00	–
CHROMIUM (4)	ND(20)	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(10)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	6	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	4400	1.89E+04	5.11E+04		NA	–	–	–
LEAD	ND(1) UJ	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	46000	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	510	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.2)	ND	ND		NA	–	–	–
NICKEL	20	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	17000	6.73E+03	8.74E+03	X	NA	4.66E-01	0.00E+00	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	ND	ND		5.00E-03	–	–	–
SODIUM	480000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	ND(10)	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED

TABLE : 103

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW305
SAMPLE ID : GW-CJJ-002
SAMPLING DATE : 10/25/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	14	ND	ND	X	2.00E-02	3.84E-04	1.92E-02	1.86
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	749 J	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3.0) UJ	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	19	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(10.0)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	296000	5.54E+04	8.87E+04	X	NA	8.11E+00	0.00E+00	–
CHROMIUM (4)	34	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(20.0)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	199	3.23E+01	6.18E+01	X	3.70E-02	5.45E-03	1.47E-01	14.32
IRON	12900	1.89E+04	5.11E+04		NA	–	–	–
LEAD	2.9 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	105000	2.81E+04	4.37E+04	X	NA	2.88E+00	0.00E+00	–
MANGANESE	1470	4.49E+02	1.19E+03	X	4.67E-02	4.03E-02	8.62E-01	83.82
MERCURY	0.83 J	ND	ND	X	NA	2.27E-05	0.00E+00	–
NICKEL	ND(20.0)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	10400	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	ND	ND		5.00E-03	–	–	–
SODIUM	275000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50.0)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	28	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : *1.03E+00*

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 104

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW305
SAMPLE ID : GW-DJT-010
SAMPLING DATE : 5/14/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	NS	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	NS	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	NS	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	NS	1.67E+01	3.79E+01		NA	–	–	–
COPPER	NS	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	NS	1.89E+04	5.11E+04		NA	–	–	–
LEAD	3.5 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	NS	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	NS	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	40	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	NS	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	ND	ND		5.00E-03	–	–	–
SODIUM	NS	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	NS	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	NS	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
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B = ANALYTE DETECTED IN LABORATORY BLANK.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 105

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW306
SAMPLE ID : RW-054
SAMPLING DATE : 11/15/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	11 UB	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	270	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(7)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(4)	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	13	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	6100	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	ND(10)	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(10)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	3	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	360	1.89E+04	5.11E+04		NA	–	–	–
LEAD	ND(1) UJ	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	3300	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	7	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.2)	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	3200	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	ND	ND		5.00E-03	–	–	–
SODIUM	430000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	10 U	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 106

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW306
SAMPLE ID : W-LA-053
SAMPLING DATE : 5/10/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	-	-	-
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	-	-	-
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	-	-	-
1,2-DICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	-	-	-
2-BUTANONE	ND	ND	ND		6.00E-01	-	-	-
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	-	-	-
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	-	-	-
BENZENE	ND	ND	ND		NA	-	-	-
CHLOROFORM	ND	ND	ND		1.00E-02	-	-	-
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	-	-	-
ETHYLBENZENE	ND	ND	ND		1.00E-01	-	-	-
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	-	-	-
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	-	-	-
TRICHLOROETHENE	ND	ND	ND		NA	-	-	-
VINYL CHLORIDE	ND	ND	ND		NA	-	-	-
XYLENES, TOTAL	ND	ND	ND		2.00E+00	-	-	-
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	-	-	-
2-METHYLNAPHTHALENE	ND	ND	ND		NA	-	-	-
2-METHYLPHENOL	ND	ND	ND		5.00E-02	-	-	-
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	-	-	-
4-METHYLPHENOL	ND	ND	ND		5.00E-03	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	-	-	-
ISOPHORONE	ND	ND	ND		2.00E-01	-	-	-
PHENOL	ND	ND	ND		6.00E-01	-	-	-
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5) UJ	ND	ND		5.00E-03	-	-	-
TOXAPHENE	ND(1)	ND	ND		NA	-	-	-
METALS (TOTAL)								
ALUMINUM	120	6.40E+03	1.76E+04		NA	-	-	-
ANTIMONY	ND(7)	ND	ND		4.00E-04	-	-	-
ARSENIC	ND(3)	2.11E+00	2.97E+00		3.00E-04	-	-	-
BARIUM	13	1.20E+02	2.59E+02		7.00E-02	-	-	-
BERYLLIUM	ND	ND	ND		5.00E-03	-	-	-
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	-	-	-
CALCIUM	4400	5.54E+04	8.87E+04		NA	-	-	-
CHROMIUM (4)	ND(20)	4.14E+01	8.30E+01		1.00E+00	-	-	-
COBALT	ND(10)	1.67E+01	3.79E+01		NA	-	-	-
COPPER	2	3.23E+01	6.18E+01		3.70E-02	-	-	-
IRON	130 J	1.89E+04	5.11E+04		NA	-	-	-
LEAD	ND(1)	8.15E+00	1.60E+01		NA	-	-	-
MAGNESIUM	2600	2.81E+04	4.37E+04		NA	-	-	-
MANGANESE	ND(5)	4.49E+02	1.19E+03		4.67E-02	-	-	-
MERCURY	ND(0.2)	ND	ND		NA	-	-	-
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	-	-	-
POTASSIUM	2800	6.73E+03	8.74E+03		NA	-	-	-
SELENIUM	ND	ND	ND		5.00E-03	-	-	-
SILVER	ND(10)	ND	ND		5.00E-03	-	-	-
SODIUM	410000	5.20E+05	6.40E+05		NA	-	-	-
VANADIUM	ND(50)	3.22E+01	4.89E+01		7.00E-03	-	-	-
ZINC	ND(10)	9.66E+01	1.77E+02		3.00E-01	-	-	-
CYANIDE	ND	ND	ND		3.00E-01	-	-	-

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 107

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW304
SAMPLE ID : GW-CIJ-049
SAMPLING DATE : 11/1/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(12) U	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	101	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(5.0) UJ	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3.0) UJ	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	16	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	4070	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	ND(20.0)	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(20.0)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	ND(2.0)	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	85	1.89E+04	5.11E+04		NA	–	–	–
LEAD	1.4	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	2290	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	ND(5.0)	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.20)	ND	ND		NA	–	–	–
NICKEL	ND(20.0)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	2950	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	ND	ND		5.00E-03	–	–	–
SODIUM	392000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50.0)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	22	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 108

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW306
SAMPLE ID : GW-DJT-056
SAMPLING DATE : 5/17/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	NS	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	NS	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	NS	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	NS	1.67E+01	3.79E+01		NA	–	–	–
COPPER	NS	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	NS	1.89E+04	5.11E+04		NA	–	–	–
LEAD	4 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	NS	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	NS	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	NS	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	ND	ND		5.00E-03	–	–	–
SODIUM	NS	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	NS	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	NS	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 109

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW307
SAMPLE ID : RW-044
SAMPLING DATE : 11/14/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(10)	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	3600	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(8)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(4)	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	88	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	5000 J	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	10	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(10)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	6	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	3200	1.89E+04	5.11E+04		NA	–	–	–
LEAD	3	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	2000 J	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	53	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.2)	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	4400	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	ND	ND		5.00E-03	–	–	–
SODIUM	510000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	10	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 110

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW307
SAMPLE ID : W-CJ-058
SAMPLING DATE : 5/11/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	65	3.00E+01	5.98E+01	X	1.00E-01	1.78E-03	1.78E-02	100.00
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	22 UB	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5) UJ	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	1900	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(9)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(4)	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	60	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	4200	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	ND(20)	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(10)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	5 U	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	1600 J	1.89E+04	5.11E+04		NA	–	–	–
LEAD	3	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	1600	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	27	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.2)	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	3600	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	ND	ND		5.00E-03	–	–	–
SODIUM	490000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	10	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 1.78E-02

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 111

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW307 + MW307 DUP
SAMPLE ID : GW-CJJ-044 & GW-CJJ-045
SAMPLING DATE : 10/31/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	-	-	-
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	-	-	-
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	-	-	-
1,2-DICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	-	-	-
2-BUTANONE	ND	ND	ND		6.00E-01	-	-	-
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	-	-	-
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	-	-	-
BENZENE	ND	ND	ND		NA	-	-	-
CHLOROFORM	ND	ND	ND		1.00E-02	-	-	-
DICHLOROMETHANE	ND(12) U	ND	ND		6.00E-02	-	-	-
ETHYLBENZENE	ND	ND	ND		1.00E-01	-	-	-
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	-	-	-
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	-	-	-
TRICHLOROETHENE	ND	ND	ND		NA	-	-	-
VINYL CHLORIDE	ND	ND	ND		NA	-	-	-
XYLENES, TOTAL	ND	ND	ND		2.00E+00	-	-	-
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	-	-	-
2-METHYLNAPHTHALENE	ND	ND	ND		NA	-	-	-
2-METHYLPHENOL	ND	ND	ND		5.00E-02	-	-	-
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	-	-	-
4-METHYLPHENOL	ND	ND	ND		5.00E-03	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	-	-	-
ISOPHORONE	ND	ND	ND		2.00E-01	-	-	-
PHENOL	ND	ND	ND		6.00E-01	-	-	-
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	-	-	-
TOXAPHENE	ND(1)	ND	ND		NA	-	-	-
METALS (TOTAL)								
ALUMINUM	1150	6.40E+03	1.76E+04		NA	-	-	-
ANTIMONY	ND(5.0) UJ	ND	ND		4.00E-04	-	-	-
ARSENIC	ND(3.0) UJ	2.11E+00	2.97E+00		3.00E-04	-	-	-
BARIUM	50.5	1.20E+02	2.59E+02		7.00E-02	-	-	-
BERYLLIUM	ND	ND	ND		5.00E-03	-	-	-
CADMIUM	ND(5.0)	3.29E+00	4.47E+00		5.00E-04	-	-	-
CALCIUM	4625	5.54E+04	8.87E+04		NA	-	-	-
CHROMIUM (4)	15	4.14E+01	8.30E+01		1.00E+00	-	-	-
COBALT	ND(20.0)	1.67E+01	3.79E+01		NA	-	-	-
COPPER	6.5	3.23E+01	6.18E+01		3.70E-02	-	-	-
IRON	1610	1.89E+04	5.11E+04		NA	-	-	-
LEAD	4.2	8.15E+00	1.60E+01		NA	-	-	-
MAGNESIUM	1560	2.81E+04	4.37E+04		NA	-	-	-
MANGANESE	32.5	4.49E+02	1.19E+03		4.67E-02	-	-	-
MERCURY	ND(0.20)	ND	ND		NA	-	-	-
NICKEL	ND(20.0)	3.65E+01	7.28E+01		2.00E-02	-	-	-
POTASSIUM	3535	6.73E+03	8.74E+03		NA	-	-	-
SELENIUM	ND	ND	ND		5.00E-03	-	-	-
SILVER	ND(10.0)	ND	ND		5.00E-03	-	-	-
SODIUM	476000	5.20E+05	6.40E+05		NA	-	-	-
VANADIUM	ND(50.0)	3.22E+01	4.89E+01		7.00E-03	-	-	-
ZINC	91	9.66E+01	1.77E+02		3.00E-01	-	-	-
CYANIDE	ND	ND	ND		3.00E-01	-	-	-

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 112

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW307
SAMPLE ID : GW-DJT-040
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	NS	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	NS	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	NS	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	NS	1.67E+01	3.79E+01		NA	–	–	–
COPPER	NS	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	NS	1.89E+04	5.11E+04		NA	–	–	–
LEAD	4 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	NS	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	NS	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	NS	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	ND	ND		5.00E-03	–	–	–
SODIUM	NS	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	NS	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	NS	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 113

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW309
SAMPLE ID : RW-006
SAMPLING DATE : 11/8/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	10 UB	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	6100	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(7)	ND	ND		4.00E-04	–	–	–
ARSENIC	4	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	610	1.20E+02	2.59E+02	X	7.00E-02	1.67E-02	2.39E-01	100.00
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	5200	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	20	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(10)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	40	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	9600	1.89E+04	5.11E+04		NA	–	–	–
LEAD	10 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	2300	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	80	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.2)	ND	ND		NA	–	–	–
NICKEL	30	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	4900	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	ND	ND		5.00E-03	–	–	–
SODIUM	490000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	30	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 2.39E-01

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 114

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW309
SAMPLE ID : W-CJ-007
SAMPLING DATE : 5/3/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	2000	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(9)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3) UJ	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	90	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	8100	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	20	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(10)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	17	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	1400	1.89E+04	5.11E+04		NA	–	–	–
LEAD	4 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	2500	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	23	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.2)	ND	ND		NA	–	–	–
NICKEL	30	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	4500	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10)	ND	ND		5.00E-03	–	–	–
SODIUM	660000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	2300	9.66E+01	1.77E+02	X	3.00E-01	6.30E-02	2.10E-01	100.00
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 2.10E-01

TOTAL PERCENT : 100

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D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 115

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW309
SAMPLE ID : GW-CJJ-026
SAMPLING DATE : 10/28/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(11) U	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	118 J	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(5.0) UJ	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3.0)	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	23	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	4620	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	72	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(20.0)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	7	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	635	1.89E+04	5.11E+04		NA	–	–	–
LEAD	1.6	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	1580	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	12	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.20)	ND	ND		NA	–	–	–
NICKEL	51	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	3180	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	ND	ND		5.00E-03	–	–	–
SODIUM	454000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50.0)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	ND(10.0)	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 116

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW309
SAMPLE ID : GW-DJT-015
SAMPLING DATE : 5/14/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	NS	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	NS	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	NS	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	NS	1.67E+01	3.79E+01		NA	–	–	–
COPPER	NS	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	NS	1.89E+04	5.11E+04		NA	–	–	–
LEAD	3 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	NS	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	NS	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	40	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	NS	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	ND	ND		5.00E-03	–	–	–
SODIUM	NS	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	NS	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	NS	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

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ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITITY.
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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 117

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW319
SAMPLE ID : RW-039
SAMPLING DATE : 11/14/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	-	-	-
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	-	-	-
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	-	-	-
1,2-DICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	-	-	-
2-BUTANONE	ND	ND	ND		6.00E-01	-	-	-
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	-	-	-
ACETONE	ND(10)	3.00E+01	5.98E+01		1.00E-01	-	-	-
BENZENE	ND	ND	ND		NA	-	-	-
CHLOROFORM	ND	ND	ND		1.00E-02	-	-	-
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	-	-	-
ETHYLBENZENE	ND	ND	ND		1.00E-01	-	-	-
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	-	-	-
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	-	-	-
TRICHLOROETHENE	ND	ND	ND		NA	-	-	-
VINYL CHLORIDE	ND	ND	ND		NA	-	-	-
XYLENES, TOTAL	ND	ND	ND		2.00E+00	-	-	-
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	-	-	-
2-METHYLNAPHTHALENE	ND	ND	ND		NA	-	-	-
2-METHYLPHENOL	ND	ND	ND		5.00E-02	-	-	-
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	-	-	-
4-METHYLPHENOL	ND	ND	ND		5.00E-03	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	-	-	-
ISOPHORONE	ND	ND	ND		2.00E-01	-	-	-
PHENOL	ND	ND	ND		6.00E-01	-	-	-
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	-	-	-
TOXAPHENE	ND(1)	ND	ND		NA	-	-	-
METALS (TOTAL)								
ALUMINUM	30000	6.40E+03	1.76E+04	X	NA	8.22E-01	0.00E+00	-
ANTIMONY	ND(7)	ND	ND		4.00E-04	-	-	-
ARSENIC	9	2.11E+00	2.97E+00	X	3.00E-04	2.47E-04	8.22E-01	68.40
BARIUM	690	1.20E+02	2.59E+02	X	7.00E-02	1.89E-02	2.70E-01	22.48
BERYLLIUM	ND	ND	ND		5.00E-03	-	-	-
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	-	-	-
CALCIUM	26000 J	5.54E+04	8.87E+04		NA	-	-	-
CHROMIUM (4)	60	4.14E+01	8.30E+01		1.00E+00	-	-	-
COBALT	20	1.67E+01	3.79E+01		NA	-	-	-
COPPER	74	3.23E+01	6.18E+01	X	3.70E-02	2.03E-03	5.48E-02	4.56
IRON	34000	1.89E+04	5.11E+04		NA	-	-	-
LEAD	17	8.15E+00	1.60E+01	X	NA	4.66E-04	0.00E+00	-
MAGNESIUM	6400 J	2.81E+04	4.37E+04		NA	-	-	-
MANGANESE	780	4.49E+02	1.19E+03		4.67E-02	-	-	-
MERCURY	ND(0.2)	ND	ND		NA	-	-	-
NICKEL	50	3.65E+01	7.28E+01		2.00E-02	-	-	-
POTASSIUM	10000	6.73E+03	8.74E+03		NA	-	-	-
SELENIUM	ND	ND	ND		5.00E-03	-	-	-
SILVER	10	ND	ND	X	5.00E-03	2.74E-04	5.48E-02	4.56
SODIUM	300000	5.20E+05	6.40E+05		NA	-	-	-
VANADIUM	60	3.22E+01	4.89E+01		7.00E-03	-	-	-
ZINC	90	9.66E+01	1.77E+02		3.00E-01	-	-	-
CYANIDE	ND	ND	ND		3.00E-01	-	-	-

HAZARD INDEX : 1.20E+00

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 118

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW319
SAMPLE ID : W-CJ-046
SAMPLING DATE : 5/9/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	-	-	-
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	-	-	-
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	-	-	-
1,2-DICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	-	-	-
2-BUTANONE	ND	ND	ND		6.00E-01	-	-	-
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	-	-	-
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	-	-	-
BENZENE	ND	ND	ND		NA	-	-	-
CHLOROFORM	ND	ND	ND		1.00E-02	-	-	-
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	-	-	-
ETHYLBENZENE	ND	ND	ND		1.00E-01	-	-	-
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	-	-	-
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	-	-	-
TRICHLOROETHENE	ND	ND	ND		NA	-	-	-
VINYL CHLORIDE	ND	ND	ND		NA	-	-	-
XYLENES, TOTAL	ND	ND	ND		2.00E+00	-	-	-
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	-	-	-
2-METHYLNAPHTHALENE	ND	ND	ND		NA	-	-	-
2-METHYLPHENOL	ND	ND	ND		5.00E-02	-	-	-
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	-	-	-
4-METHYLPHENOL	ND	ND	ND		5.00E-03	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	-	-	-
ISOPHORONE	ND	ND	ND		2.00E-01	-	-	-
PHENOL	ND	ND	ND		6.00E-01	-	-	-
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	-	-	-
TOXAPHENE	ND(1)	ND	ND		NA	-	-	-
METALS (TOTAL)								
ALUMINUM	3300	6.40E+03	1.76E+04		NA	-	-	-
ANTIMONY	ND(10)	ND	ND		4.00E-04	-	-	-
ARSENIC	ND(4) UJ	2.11E+00	2.97E+00		3.00E-04	-	-	-
BARIUM	220	1.20E+02	2.59E+02		7.00E-02	-	-	-
BERYLLIUM	ND	ND	ND		5.00E-03	-	-	-
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	-	-	-
CALCIUM	9700	5.54E+04	8.87E+04		NA	-	-	-
CHROMIUM (4)	ND(20)	4.14E+01	8.30E+01		1.00E+00	-	-	-
COBALT	ND(10)	1.67E+01	3.79E+01		NA	-	-	-
COPPER	12	3.23E+01	6.18E+01		3.70E-02	-	-	-
IRON	3500	1.89E+04	5.11E+04		NA	-	-	-
LEAD	3	8.15E+00	1.60E+01		NA	-	-	-
MAGNESIUM	2600	2.81E+04	4.37E+04		NA	-	-	-
MANGANESE	64	4.49E+02	1.19E+03		4.67E-02	-	-	-
MERCURY	ND(0.2)	ND	ND		NA	-	-	-
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	-	-	-
POTASSIUM	7500	6.73E+03	8.74E+03		NA	-	-	-
SELENIUM	ND	ND	ND		5.00E-03	-	-	-
SILVER	ND(10)	ND	ND		5.00E-03	-	-	-
SODIUM	450000	5.20E+05	6.40E+05		NA	-	-	-
VANADIUM	ND(50)	3.22E+01	4.89E+01		7.00E-03	-	-	-
ZINC	ND(10)	9.66E+01	1.77E+02		3.00E-01	-	-	-
CYANIDE	ND	ND	ND		3.00E-01	-	-	-

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 119

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW319
SAMPLE ID : GW-LMA-057
SAMPLING DATE : 11/2/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	459 J	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3.0)	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	109	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	5170	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	ND(20.0)	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(20.0)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	6	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	368 J	1.89E+04	5.11E+04		NA	–	–	–
LEAD	2.1 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	2860	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	10	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.20)	ND	ND		NA	–	–	–
NICKEL	ND(20.0)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	7590	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	ND	ND		5.00E-03	–	–	–
SODIUM	565000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50.0)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	79	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 120

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW319
SAMPLE ID : GW-DJT-041
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	5.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	NS	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	NS	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	NS	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	NS	1.67E+01	3.79E+01		NA	–	–	–
COPPER	NS	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	NS	1.89E+04	5.11E+04		NA	–	–	–
LEAD	10 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	NS	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	NS	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	NS	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	ND	ND		5.00E-03	–	–	–
SODIUM	NS	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	NS	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	NS	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 121

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW320 + MW320 DUP
SAMPLE ID : GW-CJJ-061 & GW-CJJ-062
SAMPLING DATE : 11/2/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	86.5	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3.0) UJ	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	39.5	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	7535	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	ND(20.0)	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(20.0)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	17.5	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	773	1.89E+04	5.11E+04		NA	–	–	–
LEAD	5.45	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	3995	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	26.5	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.20)	ND	ND		NA	–	–	–
NICKEL	ND(20.0)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	3715	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	ND	ND		5.00E-03	–	–	–
SODIUM	414000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50.0)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	605.5	9.66E+01	1.77E+02	X	3.00E-01	1.66E-02	5.53E-02	100.00
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 5.53E-02

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
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U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 122

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW320
SAMPLE ID : GW-DJT-018
SAMPLING DATE : 5/14/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % BME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	NS	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	NS	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	NS	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	NS	1.67E+01	3.79E+01		NA	–	–	–
COPPER	NS	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	NS	1.89E+04	5.11E+04		NA	–	–	–
LEAD	3 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	NS	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	NS	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	30	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	NS	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	ND	ND		5.00E-03	–	–	–
SODIUM	NS	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	NS	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	NS	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 123

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW321
SAMPLE ID : GW-CIJ-058
SAMPLING DATE : 11/2/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(1)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	378 J	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3.0) UJ	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	26	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	9460	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	21	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(20.0)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	14	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	833 J	1.89E+04	5.11E+04		NA	–	–	–
LEAD	3.4 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	2330	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	20	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.20)	ND	ND		NA	–	–	–
NICKEL	ND(20.0)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	4530	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	ND	ND		5.00E-03	–	–	–
SODIUM	530000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50.0)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	45	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 124

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW322
SAMPLE ID : GW-DJT-052
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	NS	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	NS	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	NS	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	NS	1.67E+01	3.79E+01		NA	–	–	–
COPPER	NS	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	NS	1.89E+04	5.11E+04		NA	–	–	–
LEAD	2 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	NS	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	NS	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	NS	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	ND	ND		5.00E-03	–	–	–
SODIUM	NS	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	NS	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	NS	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 125

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW323
SAMPLE ID : GW-LMA-039
SAMPLING DATE : 10/31/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	-	-	-
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	-	-	-
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	-	-	-
1,2-DICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	-	-	-
2-BUTANONE	ND	ND	ND		6.00E-01	-	-	-
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	-	-	-
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	-	-	-
BENZENE	ND	ND	ND		NA	-	-	-
CHLOROFORM	ND	ND	ND		1.00E-02	-	-	-
DICHLOROMETHANE	ND(12) U	ND	ND		6.00E-02	-	-	-
ETHYLBENZENE	ND	ND	ND		1.00E-01	-	-	-
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	-	-	-
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	-	-	-
TRICHLOROETHENE	ND	ND	ND		NA	-	-	-
VINYL CHLORIDE	ND	ND	ND		NA	-	-	-
XYLENES, TOTAL	ND	ND	ND		2.00E+00	-	-	-
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	-	-	-
2-METHYLNAPHTHALENE	ND	ND	ND		NA	-	-	-
2-METHYLPHENOL	ND	ND	ND		5.00E-02	-	-	-
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	-	-	-
4-METHYLPHENOL	ND	ND	ND		5.00E-03	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	12	ND	ND	X	2.00E-02	3.29E-04	1.64E-02	3.46
ISOPHORONE	ND	ND	ND		2.00E-01	-	-	-
PHENOL	ND	ND	ND		6.00E-01	-	-	-
PESTICIDES/PCBS								
METHOXYCHLOR	ND(0.5)	ND	ND		5.00E-03	-	-	-
TOXAPHENE	ND(1)	ND	ND		NA	-	-	-
METALS (TOTAL)								
ALUMINUM	417 J	6.40E+03	1.76E+04		NA	-	-	-
ANTIMONY	6.7 J	ND	ND	X	4.00E-04	1.84E-04	4.59E-01	96.54
ARSENIC	ND(3.0)	2.11E+00	2.97E+00		3.00E-04	-	-	-
BARIUM	14	1.20E+02	2.59E+02		7.00E-02	-	-	-
BERYLLIUM	ND	ND	ND		5.00E-03	-	-	-
CADMIUM	ND(5.0)	3.29E+00	4.47E+00		5.00E-04	-	-	-
CALCIUM	4730	5.54E+04	8.87E+04		NA	-	-	-
CHROMIUM (4)	35	4.14E+01	8.30E+01		1.00E+00	-	-	-
COBALT	ND(20.0)	1.67E+01	3.79E+01		NA	-	-	-
COPPER	30	3.23E+01	6.18E+01		3.70E-02	-	-	-
IRON	1010	1.89E+04	5.11E+04		NA	-	-	-
LEAD	9.1 J	8.15E+00	1.60E+01		NA	-	-	-
MAGNESIUM	1610	2.81E+04	4.37E+04		NA	-	-	-
MANGANESE	21	4.49E+02	1.19E+03		4.67E-02	-	-	-
MERCURY	ND(0.20)	ND	ND		NA	-	-	-
NICKEL	42	3.65E+01	7.28E+01		2.00E-02	-	-	-
POTASSIUM	3080	6.73E+03	8.74E+03		NA	-	-	-
SELENIUM	ND	ND	ND		5.00E-03	-	-	-
SILVER	ND(10.0)	ND	ND		5.00E-03	-	-	-
SODIUM	445000	5.20E+05	6.40E+05		NA	-	-	-
VANADIUM	ND(50.0)	3.22E+01	4.89E+01		7.00E-03	-	-	-
ZINC	55	9.66E+01	1.77E+02		3.00E-01	-	-	-
CYANIDE	ND	ND	ND		3.00E-01	-	-	-

HAZARD INDEX : 4.75E-01

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = *QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.*
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 126

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW323
SAMPLE ID : OW-DJT-034
SAMPLING DATE : 5/16/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	NS	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	NS	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	NS	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	NS	1.67E+01	3.79E+01		NA	–	–	–
COPPER	NS	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	NS	1.89E+04	5.11E+04		NA	–	–	–
LEAD	3 J	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	NS	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	NS	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	NS	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	ND	ND		5.00E-03	–	–	–
SODIUM	NS	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	NS	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	NS	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 127

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW304
SAMPLE ID : GW-LMA-046
SAMPLING DATE : 10/31/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(12) U	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND(10)	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND(1)	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND(2)	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	5110	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	ND(5.0)	ND	ND		4.00E-04	–	–	–
ARSENIC	11.9 J	2.11E+00	2.97E+00	X	3.00E-04	3.26E-04	1.09E+00	100.00
BARIUM	56	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5.0)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	14000	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	ND(20.0)	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	ND(20.0)	1.67E+01	3.79E+01		NA	–	–	–
COPPER	16	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	4110	1.89E+04	5.11E+04		NA	–	–	–
LEAD	8.8	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	992	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	51	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	ND(0.20)	ND	ND		NA	–	–	–
NICKEL	ND(20.0)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	8590	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND(10.0)	ND	ND		5.00E-03	–	–	–
SODIUM	611000	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	ND(50.0)	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	42	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 1.09E+00

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 128

SITE : SUMMIT NATIONAL
SECTOR : LOWER INTERMEDIATE UNIT
LOCATION : MW324
SAMPLE ID : GW-DJT-057
SAMPLING DATE : 5/17/96
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	NS	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	NS	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	NS	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	NS	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	NS	ND	ND		9.00E-02	–	–	–
2-BUTANONE	NS	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	NS	ND	ND		8.00E-02	–	–	–
ACETONE	NS	3.00E+01	5.98E+01		1.00E-01	–	–	–
BENZENE	NS	ND	ND		NA	–	–	–
CHLOROFORM	NS	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	NS	ND	ND		6.00E-02	–	–	–
ETHYLBENZENE	NS	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND(5)	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	NS	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	NS	ND	ND		NA	–	–	–
VINYL CHLORIDE	NS	ND	ND		NA	–	–	–
XYLENES, TOTAL	NS	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	NS	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	NS	ND	ND		NA	–	–	–
2-METHYLPHENOL	NS	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	NS	ND	ND		NA	–	–	–
4-METHYLPHENOL	NS	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	NS	ND	ND		2.00E-02	–	–	–
ISOPHORONE	NS	ND	ND		2.00E-01	–	–	–
PHENOL	NS	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	NS	ND	ND		5.00E-03	–	–	–
TOXAPHENE	NS	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	NS	6.40E+03	1.76E+04		NA	–	–	–
ANTIMONY	NS	ND	ND		4.00E-04	–	–	–
ARSENIC	NS	2.11E+00	2.97E+00		3.00E-04	–	–	–
BARIUM	NS	1.20E+02	2.59E+02		7.00E-02	–	–	–
BERYLLIUM	NS	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	3.29E+00	4.47E+00		5.00E-04	–	–	–
CALCIUM	NS	5.54E+04	8.87E+04		NA	–	–	–
CHROMIUM (4)	NS	4.14E+01	8.30E+01		1.00E+00	–	–	–
COBALT	NS	1.67E+01	3.79E+01		NA	–	–	–
COPPER	NS	3.23E+01	6.18E+01		3.70E-02	–	–	–
IRON	NS	1.89E+04	5.11E+04		NA	–	–	–
LEAD	4 UJ	8.15E+00	1.60E+01		NA	–	–	–
MAGNESIUM	NS	2.81E+04	4.37E+04		NA	–	–	–
MANGANESE	NS	4.49E+02	1.19E+03		4.67E-02	–	–	–
MERCURY	NS	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.65E+01	7.28E+01		2.00E-02	–	–	–
POTASSIUM	NS	6.73E+03	8.74E+03		NA	–	–	–
SELENIUM	NS	ND	ND		5.00E-03	–	–	–
SILVER	NS	ND	ND		5.00E-03	–	–	–
SODIUM	NS	5.20E+05	6.40E+05		NA	–	–	–
VANADIUM	NS	3.22E+01	4.89E+01		7.00E-03	–	–	–
ZINC	NS	9.66E+01	1.77E+02		3.00E-01	–	–	–
CYANIDE	NS	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW301, MW302, MW304.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

IV. UPPER SHARON UNIT

TABLE : 129

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW401 + MW401 DUP
SAMPLE ID : RW-051 & RW-052
SAMPLING DATE : 11/15/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(10)	4.81E+01	1.24E+02		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	5.44E+00	1.08E+01		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	2400	1.67E+03	4.96E+03		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3.5)	2.07E+00	2.89E+00		3.00E-04	–	–	–
BARIUM	75	1.42E+02	4.27E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	2.93E+00	3.98E+00		5.00E-04	–	–	–
CALCIUM	2400	5.29E+03	7.69E+03		NA	–	–	–
CHROMIUM (4)	7.5	1.93E+01	3.75E+01		1.00E+00	–	–	–
COBALT	ND(10)	9.29E+00	1.42E+01		NA	–	–	–
COPPER	8	1.23E+01	2.48E+01		3.70E-02	–	–	–
IRON	5500	1.37E+04	3.13E+04		NA	–	–	–
LEAD	2 J	3.89E+00	8.93E+00		NA	–	–	–
MAGNESIUM	1550	2.17E+03	3.30E+03		NA	–	–	–
MANGANESE	80.5	1.05E+02	2.35E+02		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.36E+01	6.25E+01		2.00E-02	–	–	–
POTASSIUM	3100	3.71E+03	4.66E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND	ND	ND		5.00E-03	–	–	–
SODIUM	430000	5.34E+05	6.29E+05		NA	–	–	–
VANADIUM	ND	ND	ND		7.00E-03	–	–	–
ZINC	20 U	2.28E+02	5.91E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW414, MW415, MW422.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 130

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW401
SAMPLE ID : W-CJ-045
SAMPLING DATE : 5/8/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	BACKGROUND CONCENTRATION (1) 95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	88	4.81E+01	1.24E+02	X	1.00E-01	2.41E-03	2.41E-02	100.00
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	8 UB	5.44E+00	1.08E+01		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	2600	1.67E+03	4.96E+03		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(4)UJ	2.07E+00	2.89E+00		3.00E-04	–	–	–
BARIUM	69	1.42E+02	4.27E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	2.93E+00	3.98E+00		5.00E-04	–	–	–
CALCIUM	2400	5.29E+03	7.69E+03		NA	–	–	–
CHROMIUM (4)	ND(20)	1.93E+01	3.75E+01		1.00E+00	–	–	–
COBALT	ND(10)	9.29E+00	1.42E+01		NA	–	–	–
COPPER	7	1.23E+01	2.48E+01		3.70E-02	–	–	–
IRON	7000	1.37E+04	3.13E+04		NA	–	–	–
LEAD	2	3.89E+00	8.93E+00		NA	–	–	–
MAGNESIUM	1700	2.17E+03	3.30E+03		NA	–	–	–
MANGANESE	100	1.05E+02	2.35E+02		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.36E+01	6.25E+01		2.00E-02	–	–	–
POTASSIUM	3000	3.71E+03	4.66E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND	ND	ND		5.00E-03	–	–	–
SODIUM	430000	5.34E+05	6.29E+05		NA	–	–	–
VANADIUM	ND	ND	ND		7.00E-03	–	–	–
ZINC	20	2.28E+02	5.91E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 2.41E-02

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW414, MW415, MW422.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 131

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW401
SAMPLE ID : GW-LMA-050
SAMPLING DATE : 11/1/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	4.81E+01	1.24E+02		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	5.44E+00	1.08E+01		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	2040	1.67E+03	4.96E+03		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3)	2.07E+00	2.89E+00		3.00E-04	–	–	–
BARIUM	74	1.42E+02	4.27E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	2.93E+00	3.98E+00		5.00E-04	–	–	–
CALCIUM	2660	5.29E+03	7.69E+03		NA	–	–	–
CHROMIUM (4)	ND(20)	1.93E+01	3.75E+01		1.00E+00	–	–	–
COBALT	ND(20)	9.29E+00	1.42E+01		NA	–	–	–
COPPER	8	1.23E+01	2.48E+01		3.70E-02	–	–	–
IRON	8900 J	1.37E+04	3.13E+04		NA	–	–	–
LEAD	2.5 J	3.89E+00	8.93E+00		NA	–	–	–
MAGNESIUM	1720	2.17E+03	3.30E+03		NA	–	–	–
MANGANESE	117	1.05E+02	2.35E+02		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.36E+01	6.25E+01		2.00E-02	–	–	–
POTASSIUM	3210	3.71E+03	4.66E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND	ND	ND		5.00E-03	–	–	–
SODIUM	454000	5.34E+05	6.29E+05		NA	–	–	–
VANADIUM	ND	ND	ND		7.00E-03	–	–	–
ZINC	51	2.28E+02	5.91E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW414, MW415, MW422.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 132

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW402
SAMPLE ID : RW-008
SAMPLING DATE : 11/9/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(10)	4.81E+01	1.24E+02		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	5.44E+00	1.08E+01		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	870	1.67E+03	4.96E+03		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3)UJ	2.07E+00	2.89E+00		3.00E-04	–	–	–
BARIUM	59	1.42E+02	4.27E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	2.93E+00	3.98E+00		5.00E-04	–	–	–
CALCIUM	2500	5.29E+03	7.69E+03		NA	–	–	–
CHROMIUM (4)	20	1.93E+01	3.75E+01		1.00E+00	–	–	–
COBALT	ND(10)	9.29E+00	1.42E+01		NA	–	–	–
COPPER	12	1.23E+01	2.48E+01		3.70E-02	–	–	–
IRON	2300	1.37E+04	3.13E+04		NA	–	–	–
LEAD	2 J	3.89E+00	8.93E+00		NA	–	–	–
MAGNESIUM	970	2.17E+03	3.30E+03		NA	–	–	–
MANGANESE	34	1.05E+02	2.35E+02		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.36E+01	6.25E+01		2.00E-02	–	–	–
POTASSIUM	2900	3.71E+03	4.66E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND	ND	ND		5.00E-03	–	–	–
SODIUM	420000	5.34E+05	6.29E+05		NA	–	–	–
VANADIUM	ND	ND	ND		7.00E-03	–	–	–
ZINC	20	2.28E+02	5.91E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
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B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW414, MW415, MW422.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 133

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW402
SAMPLE ID : W-LA-042
SAMPLING DATE : 5/8/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	4.81E+01	1.24E+02		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(5)	5.44E+00	1.08E+01		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	570	1.67E+03	4.96E+03		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3)UJ	2.07E+00	2.89E+00		3.00E-04	–	–	–
BARIUM	51	1.42E+02	4.27E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	2.93E+00	3.98E+00		5.00E-04	–	–	–
CALCIUM	1800	5.29E+03	7.69E+03		NA	–	–	–
CHROMIUM (4)	20	1.93E+01	3.75E+01		1.00E+00	–	–	–
COBALT	ND(10)	9.29E+00	1.42E+01		NA	–	–	–
COPPER	13U	1.23E+01	2.48E+01		3.70E-02	–	–	–
IRON	3700	1.37E+04	3.13E+04		NA	–	–	–
LEAD	17 J	3.89E+00	8.93E+00	X	NA	4.66E-04	0.00E+00	–
MAGNESIUM	800	2.17E+03	3.30E+03		NA	–	–	–
MANGANESE	37	1.05E+02	2.35E+02		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	30	3.36E+01	6.25E+01		2.00E-02	–	–	–
POTASSIUM	2700	3.71E+03	4.66E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND	ND	ND		5.00E-03	–	–	–
SODIUM	440000	5.34E+05	6.29E+05		NA	–	–	–
VANADIUM	ND	ND	ND		7.00E-03	–	–	–
ZINC	20U	2.28E+02	5.91E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
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B = ANALYTE DETECTED IN LABORATORY BLANK.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW414, MW415, MW422.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 134

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW402
SAMPLE ID : GW-LMA-029
SAMPLING DATE : 10/29/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	4.81E+01	1.24E+02		1.00E-01	--	--	--
BENZENE	ND	ND	ND		NA	--	--	--
CHLOROFORM	ND	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(11)U	5.44E+00	1.08E+01		6.00E-02	--	--	--
ETHYLBENZENE	ND	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND	ND	ND		2.00E-01	--	--	--
PHENOL	ND	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	ND(50)	1.67E+03	4.96E+03		NA	--	--	--
ANTIMONY	ND	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3)	2.07E+00	2.89E+00		3.00E-04	--	--	--
BARIUM	45	1.42E+02	4.27E+02		7.00E-02	--	--	--
BERYLLIUM	ND	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	2.93E+00	3.98E+00		5.00E-04	--	--	--
CALCIUM	1740	5.29E+03	7.69E+03		NA	--	--	--
CHROMIUM (4)	ND(20)	1.93E+01	3.75E+01		1.00E+00	--	--	--
COBALT	ND(20)	9.29E+00	1.42E+01		NA	--	--	--
COPPER	ND(2)	1.23E+01	2.48E+01		3.70E-02	--	--	--
IRON	4490	1.37E+04	3.13E+04		NA	--	--	--
LEAD	1.1	3.89E+00	8.93E+00		NA	--	--	--
MAGNESIUM	725	2.17E+03	3.30E+03		NA	--	--	--
MANGANESE	47	1.05E+02	2.35E+02		4.67E-02	--	--	--
MERCURY	ND	ND	ND		NA	--	--	--
NICKEL	20	3.36E+01	6.25E+01		2.00E-02	--	--	--
POTASSIUM	2380	3.71E+03	4.66E+03		NA	--	--	--
SELENIUM	ND	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	390000	5.34E+05	6.29E+05		NA	--	--	--
VANADIUM	ND	ND	ND		7.00E-03	--	--	--
ZINC	98	2.28E+02	5.91E+02		3.00E-01	--	--	--
CYANIDE	ND	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
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1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW414, MW415, MW422.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 135

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW420
SAMPLE ID : GW-CJJ-038
SAMPLING DATE : 10/31/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	4.81E+01	1.24E+02		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(11)U	5.44E+00	1.08E+01		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	480 J	1.67E+03	4.96E+03		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3)UJ	2.07E+00	2.89E+00		3.00E-04	–	–	–
BARIUM	1280	1.42E+02	4.27E+02	X	7.00E-02	3.51E-02	5.01E-01	83.99
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	2.93E+00	3.98E+00		5.00E-04	–	–	–
CALCIUM	349000	5.29E+03	7.69E+03	X	NA	9.56E+00	0.00E+00	–
CHROMIUM (4)	ND(20)	1.93E+01	3.75E+01		1.00E+00	–	–	–
COBALT	ND(20)	9.29E+00	1.42E+01		NA	–	–	–
COPPER	129	1.23E+01	2.48E+01	X	3.70E-02	3.53E-03	9.55E-02	16.01
IRON	12100	1.37E+04	3.13E+04		NA	–	–	–
LEAD	9.5 J	3.89E+00	8.93E+00	X	NA	2.60E-04	0.00E+00	–
MAGNESIUM	ND(50)	2.17E+03	3.30E+03		NA	–	–	–
MANGANESE	115	1.05E+02	2.35E+02		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	43	3.36E+01	6.25E+01		2.00E-02	–	–	–
POTASSIUM	35700	3.71E+03	4.66E+03	X	NA	9.78E-01	0.00E+00	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND	ND	ND		5.00E-03	–	–	–
SODIUM	477000	5.34E+05	6.29E+05		NA	–	–	–
VANADIUM	ND	ND	ND		7.00E-03	–	–	–
ZINC	16	2.28E+02	5.91E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 5.96E-01

TOTAL PERCENT : 100

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW414, MW415, MW422.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 136

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : MW421
SAMPLE ID : GW-LMA-021
SAMPLING DATE : 10/28/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	–	–	–
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	–	–	–
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	–	–	–
1,2-DICHLOROETHANE	ND	ND	ND		NA	–	–	–
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	–	–	–
2-BUTANONE	ND	ND	ND		6.00E-01	–	–	–
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	–	–	–
ACETONE	ND(50)	4.81E+01	1.24E+02		1.00E-01	–	–	–
BENZENE	ND	ND	ND		NA	–	–	–
CHLOROFORM	ND	ND	ND		1.00E-02	–	–	–
DICHLOROMETHANE	ND(11)U	5.44E+00	1.08E+01		6.00E-02	–	–	–
ETHYLBENZENE	ND	ND	ND		1.00E-01	–	–	–
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	–	–	–
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	–	–	–
TRICHLOROETHENE	ND	ND	ND		NA	–	–	–
VINYL CHLORIDE	ND	ND	ND		NA	–	–	–
XYLENES, TOTAL	ND	ND	ND		2.00E+00	–	–	–
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	–	–	–
2-METHYLNAPHTHALENE	ND	ND	ND		NA	–	–	–
2-METHYLPHENOL	ND	ND	ND		5.00E-02	–	–	–
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	–	–	–
4-METHYLPHENOL	ND	ND	ND		5.00E-03	–	–	–
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	–	–	–
ISOPHORONE	ND	ND	ND		2.00E-01	–	–	–
PHENOL	ND	ND	ND		6.00E-01	–	–	–
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	–	–	–
TOXAPHENE	ND	ND	ND		NA	–	–	–
METALS (TOTAL)								
ALUMINUM	ND(50)	1.67E+03	4.96E+03		NA	–	–	–
ANTIMONY	ND	ND	ND		4.00E-04	–	–	–
ARSENIC	ND(3)UJ	2.07E+00	2.89E+00		3.00E-04	–	–	–
BARIUM	10	1.42E+02	4.27E+02		7.00E-02	–	–	–
BERYLLIUM	ND	ND	ND		5.00E-03	–	–	–
CADMIUM	ND(5)	2.93E+00	3.98E+00		5.00E-04	–	–	–
CALCIUM	15100	5.29E+03	7.69E+03	X	NA	4.14E-01	0.00E+00	–
CHROMIUM (4)	ND(20)	1.93E+01	3.75E+01		1.00E+00	–	–	–
COBALT	ND(20)	9.29E+00	1.42E+01		NA	–	–	–
COPPER	ND(2)	1.23E+01	2.48E+01		3.70E-02	–	–	–
IRON	808	1.37E+04	3.13E+04		NA	–	–	–
LEAD	ND(1)	3.89E+00	8.93E+00		NA	–	–	–
MAGNESIUM	6360	2.17E+03	3.30E+03	X	NA	1.74E-01	0.00E+00	–
MANGANESE	96	1.05E+02	2.35E+02		4.67E-02	–	–	–
MERCURY	ND	ND	ND		NA	–	–	–
NICKEL	ND(20)	3.36E+01	6.25E+01		2.00E-02	–	–	–
POTASSIUM	4160	3.71E+03	4.66E+03		NA	–	–	–
SELENIUM	ND	ND	ND		5.00E-03	–	–	–
SILVER	ND	ND	ND		5.00E-03	–	–	–
SODIUM	542000	5.34E+05	6.29E+05		NA	–	–	–
VANADIUM	ND	ND	ND		7.00E-03	–	–	–
ZINC	57	2.28E+02	5.91E+02		3.00E-01	–	–	–
CYANIDE	ND	ND	ND		3.00E-01	–	–	–

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW414, MW415, MW422.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 137

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : POTABLE
SAMPLE ID : RW-034
SAMPLING DATE : 11/12/94
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	-	-	-
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	-	-	-
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	-	-	-
1,2-DICHLOROETHANE	ND	ND	ND		NA	-	-	-
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	-	-	-
2-BUTANONE	ND	ND	ND		6.00E-01	-	-	-
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	-	-	-
ACETONE	ND(10)	4.81E+01	1.24E+02		1.00E-01	-	-	-
BENZENE	ND	ND	ND		NA	-	-	-
CHLOROFORM	ND	ND	ND		1.00E-02	-	-	-
DICHLOROMETHANE	ND(5)	5.44E+00	1.08E+01		6.00E-02	-	-	-
ETHYLBENZENE	ND	ND	ND		1.00E-01	-	-	-
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	-	-	-
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	-	-	-
TRICHLOROETHENE	ND	ND	ND		NA	-	-	-
VINYL CHLORIDE	ND	ND	ND		NA	-	-	-
XYLENES, TOTAL	ND	ND	ND		2.00E+00	-	-	-
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	-	-	-
2-METHYLNAPHTHALENE	ND	ND	ND		NA	-	-	-
2-METHYLPHENOL	ND	ND	ND		5.00E-02	-	-	-
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	-	-	-
4-METHYLPHENOL	ND	ND	ND		5.00E-03	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	-	-	-
ISOPHORONE	ND	ND	ND		2.00E-01	-	-	-
PHENOL	ND	ND	ND		6.00E-01	-	-	-
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	-	-	-
TOXAPHENE	ND	ND	ND		NA	-	-	-
METALS (TOTAL)								
ALUMINUM	ND(50)	1.67E+03	4.96E+03		NA	-	-	-
ANTIMONY	ND	ND	ND		4.00E-04	-	-	-
ARSENIC	ND(3)	2.07E+00	2.89E+00		3.00E-04	-	-	-
BARIUM	51	1.42E+02	4.27E+02		7.00E-02	-	-	-
BERYLLIUM	ND	ND	ND		5.00E-03	-	-	-
CADMIUM	ND(5)	2.93E+00	3.98E+00		5.00E-04	-	-	-
CALCIUM	4200 J	5.29E+03	7.69E+03		NA	-	-	-
CHROMIUM (4)	ND(10)	1.93E+01	3.75E+01		1.00E+00	-	-	-
COBALT	ND(10)	9.29E+00	1.42E+01		NA	-	-	-
COPPER	4U	1.23E+01	2.48E+01		3.70E-02	-	-	-
IRON	60U	1.37E+04	3.13E+04		NA	-	-	-
LEAD	1 J	3.89E+00	8.93E+00		NA	-	-	-
MAGNESIUM	1900 J	2.17E+03	3.30E+03		NA	-	-	-
MANGANESE	ND(5)	1.05E+02	2.35E+02		4.67E-02	-	-	-
MERCURY	ND	ND	ND		NA	-	-	-
NICKEL	ND(20)	3.36E+01	6.25E+01		2.00E-02	-	-	-
POTASSIUM	4000	3.71E+03	4.66E+03		NA	-	-	-
SELENIUM	ND	ND	ND		5.00E-03	-	-	-
SILVER	ND	ND	ND		5.00E-03	-	-	-
SODIUM	660000	5.34E+05	6.29E+05		NA	-	-	-
VANADIUM	ND	ND	ND		7.00E-03	-	-	-
ZINC	ND(10)	2.28E+02	5.91E+02		3.00E-01	-	-	-
CYANIDE	ND	ND	ND		3.00E-01	-	-	-

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
D = RESULT OBTAIN FROM ANALYSIS PERFORMED AT A SECONDARY DILUTION.
E = REPORTED RESULT WAS ESTIMATED DUE TO EXCEEDANCE OF LINEAR CALIBRATION OF THE INSTRUMENT.
R = DATA IS UNUSABLE. ANALYTE MAY OR MAY NOT BE PRESENT.
X = RESULT FELL BETWEEN REPORTING LIMIT AND THE DETECTION LIMIT.
1) BACKGROUND CONCENTRATIONS FOR THIS UNIT BASED ON SAMPLING LOCATIONS MW414, MW415, MW422.
(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 138

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : POTABLE
SAMPLE ID : W-LA-047
SAMPLING DATE : 5/9/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	4.81E+01	1.24E+02		1.00E-01	--	--	--
BENZENE	ND	ND	ND		NA	--	--	--
CHLOROFORM	ND	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	5.44E+00	1.08E+01		6.00E-02	--	--	--
ETHYLBENZENE	ND	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND	ND	ND		2.00E-01	--	--	--
PHENOL	ND	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	ND(50)	1.67E+03	4.96E+03		NA	--	--	--
ANTIMONY	ND	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(5)	2.07E+00	2.89E+00		3.00E-04	--	--	--
BARIUM	59	1.42E+02	4.27E+02		7.00E-02	--	--	--
BERYLLIUM	ND	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	2.93E+00	3.98E+00		5.00E-04	--	--	--
CALCIUM	4000	5.29E+03	7.69E+03		NA	--	--	--
CHROMIUM (4)	ND(20)	1.93E+01	3.75E+01		1.00E+00	--	--	--
COBALT	ND(10)	9.29E+00	1.42E+01		NA	--	--	--
COPPER	3	1.23E+01	2.48E+01		3.70E-02	--	--	--
IRON	70	1.37E+04	3.13E+04		NA	--	--	--
LEAD	ND(1)	3.89E+00	8.93E+00		NA	--	--	--
MAGNESIUM	1700	2.17E+03	3.30E+03		NA	--	--	--
MANGANESE	ND(5)	1.05E+02	2.35E+02		4.67E-02	--	--	--
MERCURY	ND	ND	ND		NA	--	--	--
NICKEL	ND(20)	3.36E+01	6.25E+01		2.00E-02	--	--	--
POTASSIUM	3500	3.71E+03	4.66E+03		NA	--	--	--
SELENIUM	ND	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	630000	5.34E+05	6.29E+05		NA	--	--	--
VANADIUM	ND	ND	ND		7.00E-03	--	--	--
ZINC	ND(10)	2.28E+02	5.91E+02		3.00E-01	--	--	--
CYANIDE	ND	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

NA = NOT AVAILABLE
ND( ) = NOT DETECTED AT QUANTITATION LIMIT IN PARENTHESES.
NS = NOT ANALYZED
J = ASSOCIATED VALUE IS AN ESTIMATED QUANTITIY.
U = QUALIFIED AS NON-DETECTED DUE TO BLANK CONTAMINATION.
B = ANALYTE DETECTED IN LABORATORY BLANK.
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(2) REFERENCE DOSE - A MEASURE OF THE NON-CARCINOGENIC POTENTIAL OF A COMPOUND.
SOURCE : USEPA INTEGRATED RISK INFORMATION SYSTEM (IRIS); JULY 1996.
: HEALTH EFFECTS ASSESSMENT TABLE (HEAST); NOVEMBER 1995.
(3) BASED ON THE ASSUMPTION OF CONSUMPTION OF 2 LITERS OF GROUNDWATER CONSUMED PER DAY BY A 70 KG ADULT FOR A 30 YEAR RESIDENCY PERIOD.
(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

TABLE : 139

SITE : SUMMIT NATIONAL
SECTOR : UPPER SHARON UNIT
LOCATION : POTABLE
SAMPLE ID : GW-CU-056
SAMPLING DATE : 11/1/95
MEDIA : GROUNDWATER
EXPOSURE SCENARIO : ADULT - RESIDENTIAL/ INGESTION

COMPOUND	MONITORING WELL CONCENTRATION (ug/L)	BACKGROUND CONCENTRATION (1) MEAN (ug/L)	95 % RME (ug/L)	COCs	REFERENCE DOSE (2) mg/kg/day	CHRONIC DAILY INTAKE (3) (mg/kg/day)	HAZARD QUOTIENT	PERCENT CONTRIBUTION
VOLATILE ORGANIC COMPOUNDS								
1,1,1-TRICHLOROETHANE	ND	ND	ND		NA	--	--	--
1,1,2-TRICHLOROETHANE	ND	ND	ND		4.00E-03	--	--	--
1,1-DICHLOROETHANE	ND	ND	ND		1.00E-01	--	--	--
1,1-DICHLOROETHENE	ND	ND	ND		9.00E-03	--	--	--
1,2-DICHLOROETHANE	ND	ND	ND		NA	--	--	--
1,2-DICHLOROETHENE, TOTAL	ND	ND	ND		9.00E-02	--	--	--
2-BUTANONE	ND	ND	ND		6.00E-01	--	--	--
4-METHYL-2-PENTANONE	ND	ND	ND		8.00E-02	--	--	--
ACETONE	ND(50)	4.81E+01	1.24E+02		1.00E-01	--	--	--
BENZENE	ND	ND	ND		NA	--	--	--
CHLOROFORM	ND	ND	ND		1.00E-02	--	--	--
DICHLOROMETHANE	ND(5)	5.44E+00	1.08E+01		6.00E-02	--	--	--
ETHYLBENZENE	ND	ND	ND		1.00E-01	--	--	--
METHYLBENZENE (TOLUENE)	ND	ND	ND		2.00E-01	--	--	--
TETRACHLOROETHENE	ND	ND	ND		1.00E-02	--	--	--
TRICHLOROETHENE	ND	ND	ND		NA	--	--	--
VINYL CHLORIDE	ND	ND	ND		NA	--	--	--
XYLENES, TOTAL	ND	ND	ND		2.00E+00	--	--	--
SEMI-VOLATILE ORGANIC COMPOUNDS								
2,4-DIMETHYLPHENOL	ND	ND	ND		2.00E-02	--	--	--
2-METHYLNAPHTHALENE	ND	ND	ND		NA	--	--	--
2-METHYLPHENOL	ND	ND	ND		5.00E-02	--	--	--
4-CHLORO-3-METHYLPHENOL	ND	ND	ND		NA	--	--	--
4-METHYLPHENOL	ND	ND	ND		5.00E-03	--	--	--
BIS(2-ETHYLHEXYL)PHTHALATE	ND	ND	ND		2.00E-02	--	--	--
ISOPHORONE	ND	ND	ND		2.00E-01	--	--	--
PHENOL	ND	ND	ND		6.00E-01	--	--	--
PESTICIDES/PCBS								
METHOXYCHLOR	ND	ND	ND		5.00E-03	--	--	--
TOXAPHENE	ND	ND	ND		NA	--	--	--
METALS (TOTAL)								
ALUMINUM	65 J	1.67E+03	4.96E+03		NA	--	--	--
ANTIMONY	ND	ND	ND		4.00E-04	--	--	--
ARSENIC	ND(3)	2.07E+00	2.89E+00		3.00E-04	--	--	--
BARIUM	79	1.42E+02	4.27E+02		7.00E-02	--	--	--
BERYLLIUM	ND	ND	ND		5.00E-03	--	--	--
CADMIUM	ND(5)	2.93E+00	3.98E+00		5.00E-04	--	--	--
CALCIUM	3490	5.29E+03	7.69E+03		NA	--	--	--
CHROMIUM (4)	ND(20)	1.93E+01	3.75E+01		1.00E+00	--	--	--
COBALT	ND(20)	9.29E+00	1.42E+01		NA	--	--	--
COPPER	2	1.23E+01	2.48E+01		3.70E-02	--	--	--
IRON	60 J	1.37E+04	3.13E+04		NA	--	--	--
LEAD	ND(1)UJ	3.89E+00	8.93E+00		NA	--	--	--
MAGNESIUM	1480	2.17E+03	3.30E+03		NA	--	--	--
MANGANESE	ND(5)	1.05E+02	2.35E+02		4.67E-02	--	--	--
MERCURY	ND	ND	ND		NA	--	--	--
NICKEL	ND(20)	3.36E+01	6.25E+01		2.00E-02	--	--	--
POTASSIUM	3440	3.71E+03	4.66E+03		NA	--	--	--
SELENIUM	ND	ND	ND		5.00E-03	--	--	--
SILVER	ND	ND	ND		5.00E-03	--	--	--
SODIUM	573000	5.34E+05	6.29E+05		NA	--	--	--
VANADIUM	ND	ND	ND		7.00E-03	--	--	--
ZINC	12	2.28E+02	5.91E+02		3.00E-01	--	--	--
CYANIDE	ND	ND	ND		3.00E-01	--	--	--

HAZARD INDEX : 0.00E+00

TOTAL PERCENT : 0

NOTES :

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(4) CHROMIUM III REFERENCE DOSE SUBSTITUTED.

E

MAY 1996 GROUNDWATER ELEVATIONS
WATER TABLE UNIT MONITORING WELLS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

WELL DESIGNATION	COORDINATES		REFERENCE ELEVATION	GROUNDWATER 5/13/96	
	NORTH'	EAST'		Level	Elev.
	ft.	ft.	ft. AMSL	ft.	ft. AMSL
MW-4	9504.40	5951.81	1091.09	7.76	1,083.33
MW-11	9415.00	5636.28	1,095.93	17.70	1,078.23
MW-101	10021.30	4969.30	1,107.57	6.98	1,100.59
MW-102	10010.12	5512.54	1,100.17	6.00	1,094.17
MW-103	9591.39	4927.97	1,096.22	2.04	1,094.18
MW-104	9576.51	5079.94	1,099.81	21.24	1,078.57
MW-105	9539.58	5136.64	1,101.32	22.63	1,078.69
MW-106	9549.29	5296.02	1,102.88	23.04	1,079.84
MW-107	9550.10	5570.26	1,098.27	16.98	1,081.29
MW-108	9549.95	5779.50	1,091.96	13.27	1,078.69
MW-109	9586.47	5874.83	1,087.42	3.71	1,083.71
MW-110	9641.97	6124.53	1,086.87	4.83	1,082.04
MW-111	9395.45	5296.51	1,099.67	21.24	1,078.43
MW-113	9392.18	5825.52	1,088.46	6.20	1,082.26
MW-114	9280.30	5265.10	1,097.27	13.16	1,084.11
MW-115	9299.48	5637.84	1,101.83	20.07	1,081.76
MW-116	9004.70	5236.40	1,105.54	24.44	1,081.10
MW-117	9014.47	5616.11	1,123.97	40.29	1,083.68
MW-118	9171.40	5970.27	1,098.38	23.20	1,075.18
PZ-1	9795.10	5095.57	1,104.43	9.15	1,095.28
PZ-101	9782.89	5283.08	1,108.53	15.21	1,093.32
PZ-102 R	9831.20	5509.98	1,100.21	11.98	1,088.23
PZ-103	9862.09	5829.02	1,093.98	7.60	1,086.38
PZ-104	9195.17	5325.76	1,097.54	13.56	1,083.98
PZ-105	9232.15	5667.49	1,101.60	18.60	1,083.00
PZ-106	9291.14	5937.35	1,102.23	23.06	1,079.17
MH-1	9640.53	5089.94	1102.78	24.22	1,078.56
MH-2	9532.78	5106.02	1101.04	22.55	1,078.49
MH-3	9476.17	5159.69	1100.95	22.45	1,078.50
MH-4	9363.72	5279.02	1100.05	21.63	1,078.42
MH-5	9381.78	5623.06	1095.68	17.73	1,077.95
MH-6	9412.62	5810.76	1088.64	10.73	1,077.91
MH-7	9532.38	5812.80	1089.29	11.27	1,078.02
MH-8	9751.55	5815.45	1089.23	11.23	1,078.00
WET WELL	9364.74	5464.02	1098.86	20.97	1,077.89

MAY 1996 GROUNDWATER ELEVATIONS
UPPER INTERMEDIATE UNIT MONITORING WELLS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

WELL DESIGNATION	*COORDINATES*		*REFERENCE ELEVATION*	GROUNDWATER	
	NORTH'	*EAST'*		*5/13/96*	
				Level	*Elev.*
	ft.	*ft.*	*ft. AMSL*	*ft.*	*ft. AMSL*
MW-201	10020.44	4952.70	1,107.52	11.00	1,096.52
MW-202	10043.72	5514.36	1,099.50	24.05	1,075.45
MW-203	9697.80	5096.10	1,103.35	11.22	1,092.13
MW-204	9356.11	5120.25	1,098.01	11.67	1,086.34
MW-205	9223.34	5679.69	1,100.90	17.91	1,082.99
MW-206	9548.49	5312.36	1,103.22	27.64	1,075.58
MW-207	9550.05	5551.84	1,098.51	17.54	1,080.97
MW-209	9589.24	5861.64	1,087.66	9.04	1,078.62
MW-219	9802.95	5292.50	1,108.24	23.85	1,084.39
MW-220	9893.22	5964.42	1,090.92	10.60	1,080.32
MW-223	9356.57	5466.72	1,098.37	19.50	1,078.87
MW-224	9401.54	5813.55	1,089.41	9.77	1,079.64
PZ-201	9491.38	5119.35	1,099.74	19.64	1,080.10
PZ-202	9483.49	5367.58	1,101.56	21.17	1,080.39
PZ-203	9350.00	5369.76	1,098.31	19.46	1,078.85
PZ-204	9628.38	5616.09	1,095.41	15.08	1,080.33
PZ-205	9494.93	5643.20	1,096.63	17.64	1,078.99
PZ-206	9511.98	5826.33	1,088.05	9.29	1,078.76
PZ-207	9383.66	5740.10	1,091.36	9.03	1,082.33

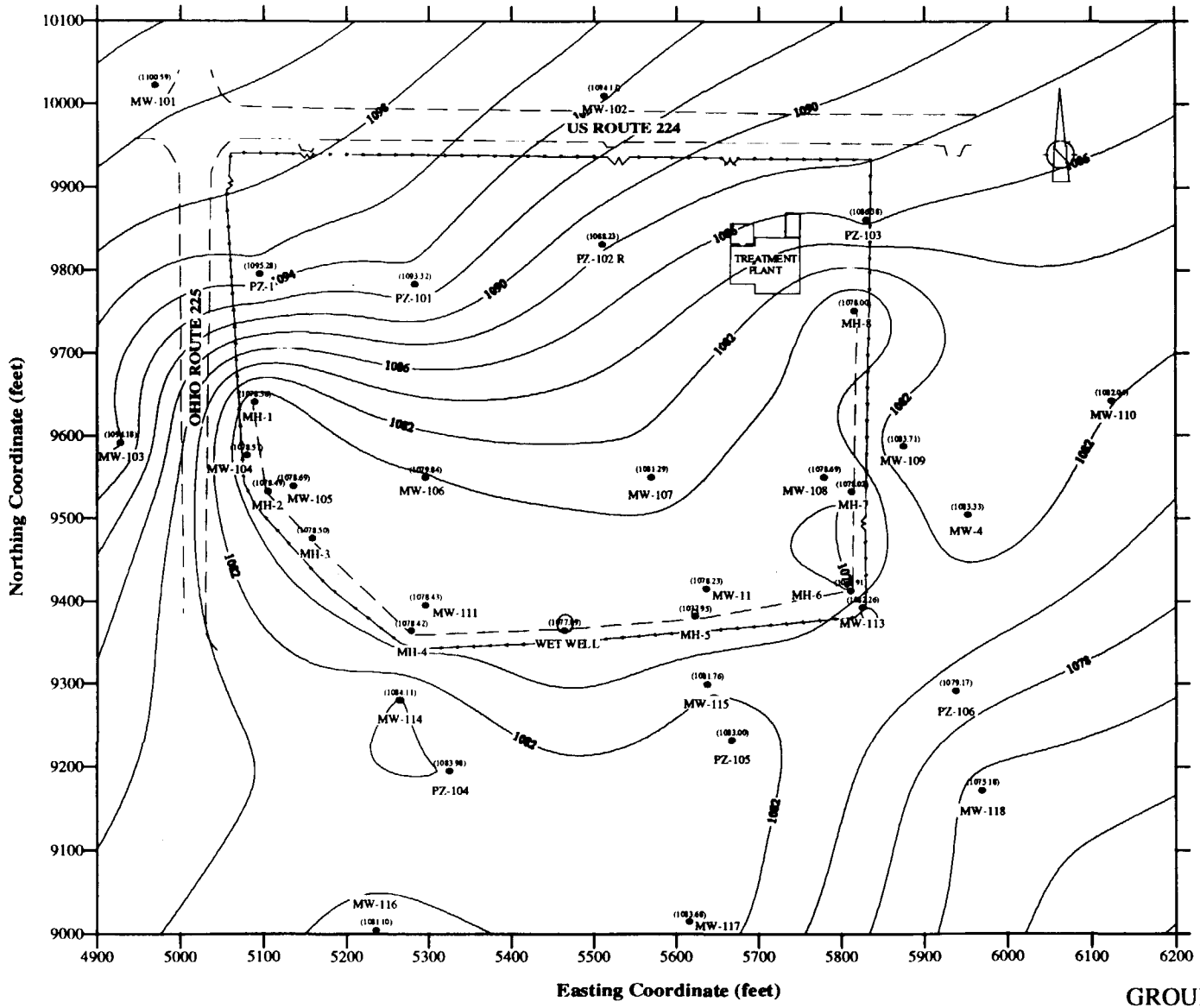
MAY 1996 GROUNDWATER ELEVATIONS
LOWER INTERMEDIATE UNIT MONITORING WELLS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

WELL DESIGNATION	COORDINATES		REFERENCE ELEVATION	GROUNDWATER 5/13/96	
	NORTH'	EAST'		Level	Elev.
	ft.	ft.	ft. AMSL	ft.	ft. AMSL
MW-301	10019.41	4940.36	1107.91	26.95	1,080.96
MW-302	10056.98	5513.56	1100.39	25.09	1,075.30
MW-303	9670.84	5094.67	1103.15	25.01	1,078.14
MW-304	9353.32	5135.15	1097.73	14.67	1,083.06
MW-305	9235.38	5687.49	1101.22	25.68	1,075.54
MW-306	9539.22	5331.57	1103.14	26.88	1,076.26
MW-307	9524.78	5556.53	1098.83	21.98	1,076.85
MW-309	9587.06	5854.74	1087.81	12.06	1,075.75
MW-319	9793.32	5292.50	1108.07	23.72	1,084.35
MW-320	9900.11	5961.93	1091.14	20.58	1,070.56
MW-321	9638.36	5607.85	1095.32	18.18	1,077.14
MW-322	9462.01	5149.95	1098.88	15.72	1,083.16
MW-323	9354.44	5455.73	1097.51	22.08	1,075.43
MW-324	9397.17	5802.09	1089.39	14.88	1,074.51
PZ-301	9497.67	5112.99	1100.07	17.55	1,082.52
PZ-302	9482.10	5390.46	1101.25	24.20	1,077.05
PZ-303	9350.04	5358.60	1098.39	21.57	1,076.82
PZ-305	9491.50	5649.85	1096.49	19.57	1,076.92
PZ-306	9515.83	5823.03	1088.35	15.02	1,073.33
PZ-307	9390.06	5749.78	1091.40	13.84	1,077.56

MAY 1996 GROUNDWATER ELEVATIONS
UPPER SHARON UNIT MONITORING WELLS
SUMMIT NATIONAL SUPERFUND SITE
DEERFIELD, OHIO

WELL DESIGNATION	*COORDINATES*		*REFERENCE ELEVATION*	*GROUNDWATER*	
	NORTH'	*EAST'*		*5/13/96*	
				Level	*Elev.*
	ft.	*ft.*	*ft. AMSL*	*ft.*	*ft. AMSL*
MW-401	9601.19	5455.66	1,099.75	36.87	1,062.88
MW-402	9522.16	5955.04	1,089.90	35.18	1,054.72
MW-414	9285.57	5254.02	1,096.99	24.98	1,072.01
MW-415	9290.00	5624.74	1,102.25	27.79	1,074.46
MW-420	9908.04	5960.12	1,091.66	29.11	1,062.55
MW-421	10034.02	5524.37	1,099.93	28.98	1,070.95
MW-422	10018.63	4928.82	1,107.38	5.60	1,101.78
POT. WELL	9920.24	5703.53	1,099.34	97.57	1,001.77

F



GROUNDWATER CONTOURS
WATER TABLE UNIT WITH MANHOLE DATA-- MAY 13, 1996
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

CRA

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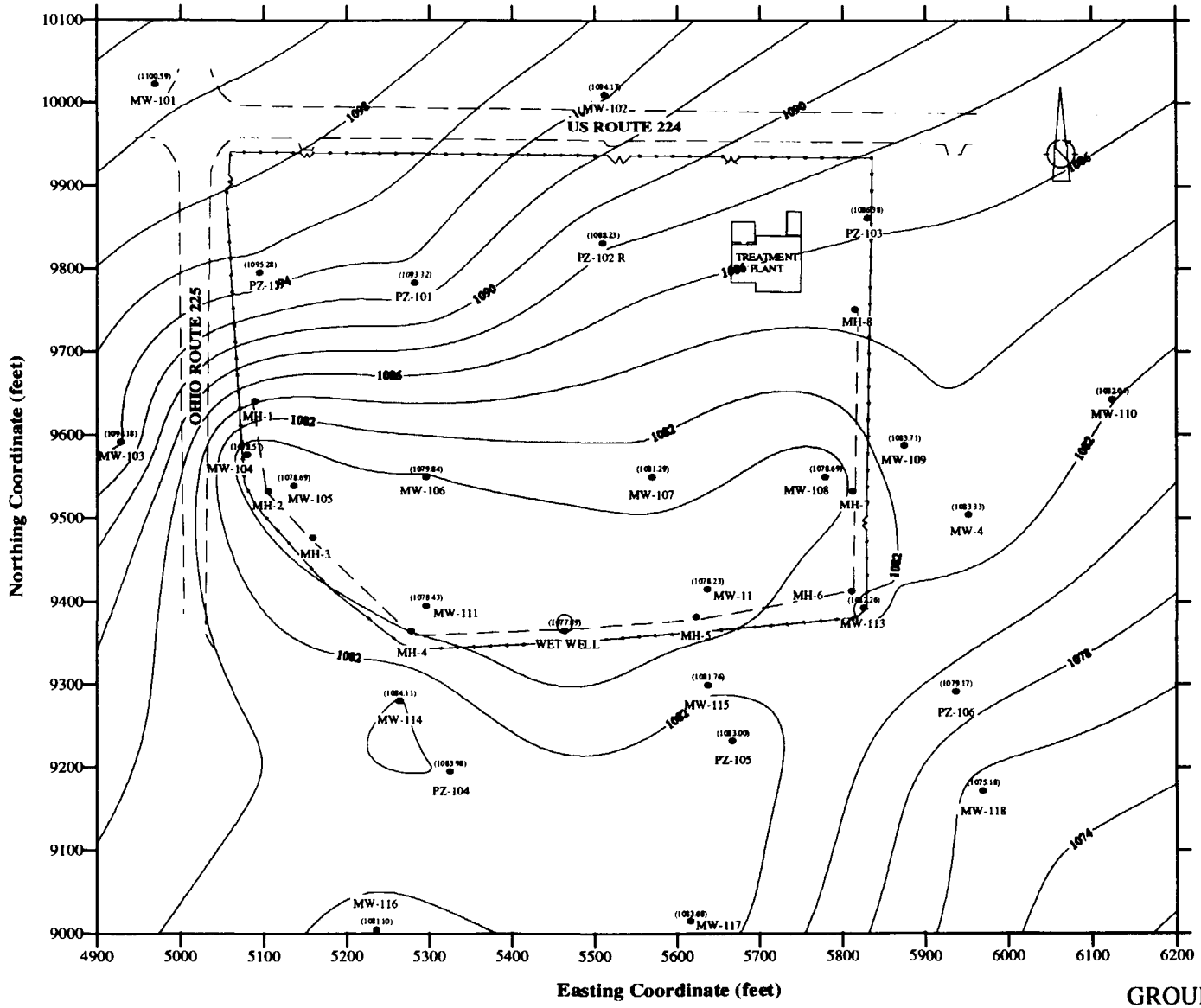
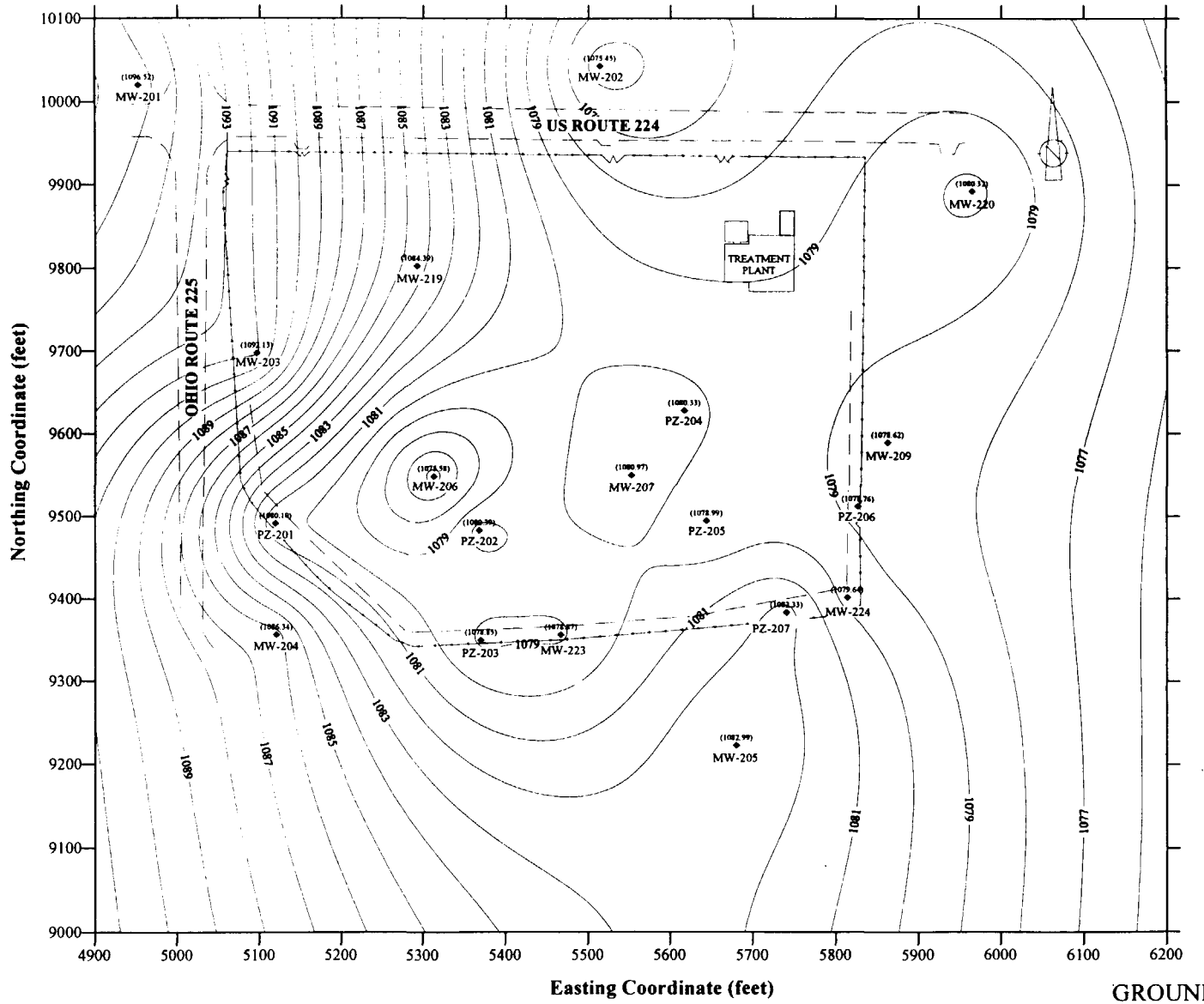


GROUNDWATER CONTOURS
WATER TABLE UNIT WITHOUT MANHOLE DATA -- MAY 13, 1996
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

CRA

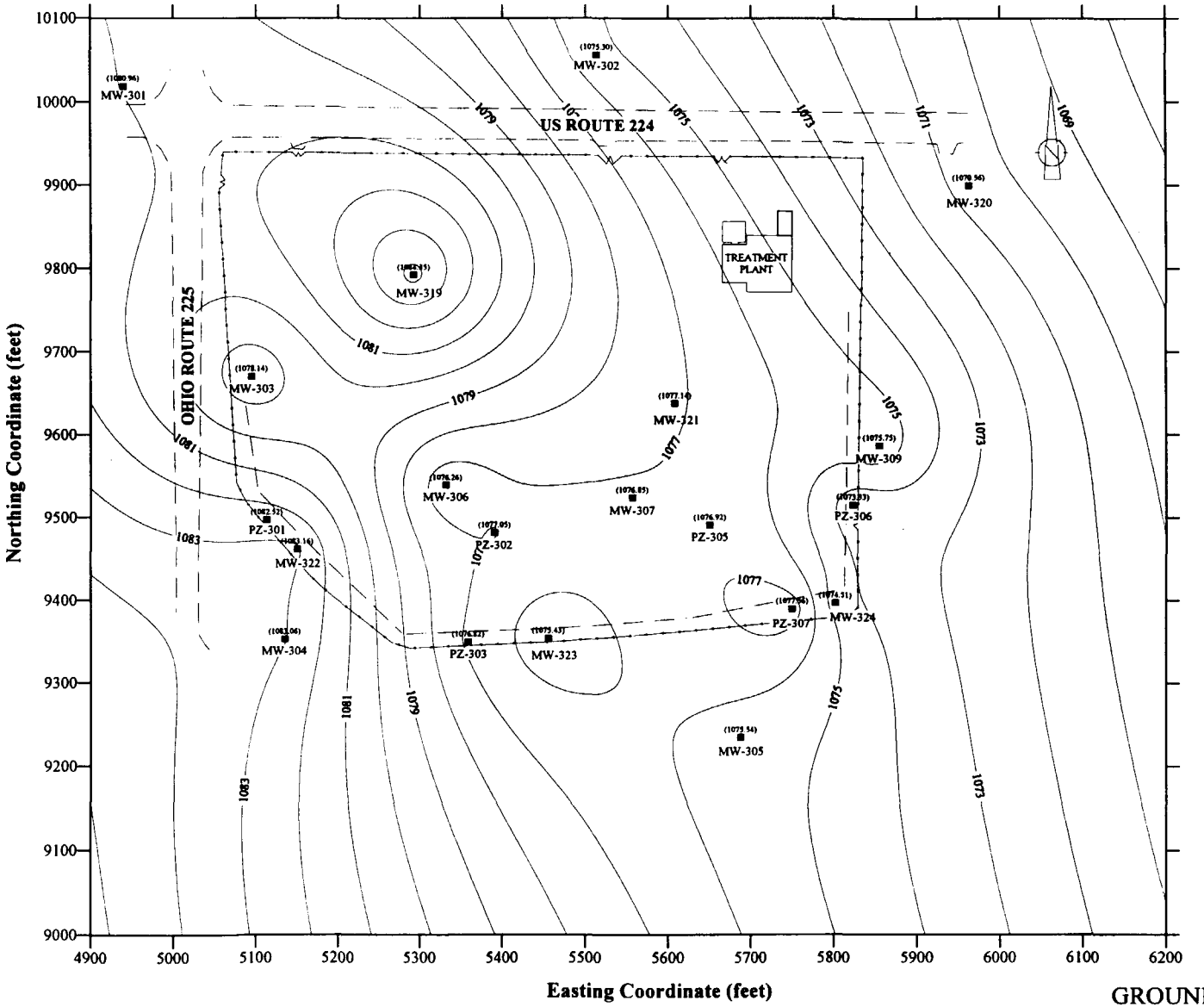
6029 (L) MAY 13, 1996 (W) REV.0 (j:\swenviro\6029\6029-50\contours\wtu\wt51396a.srf)



GROUNDWATER CONTOURS
UPPER INTERMEDIATE UNIT -- MAY 13, 1996
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

CRA

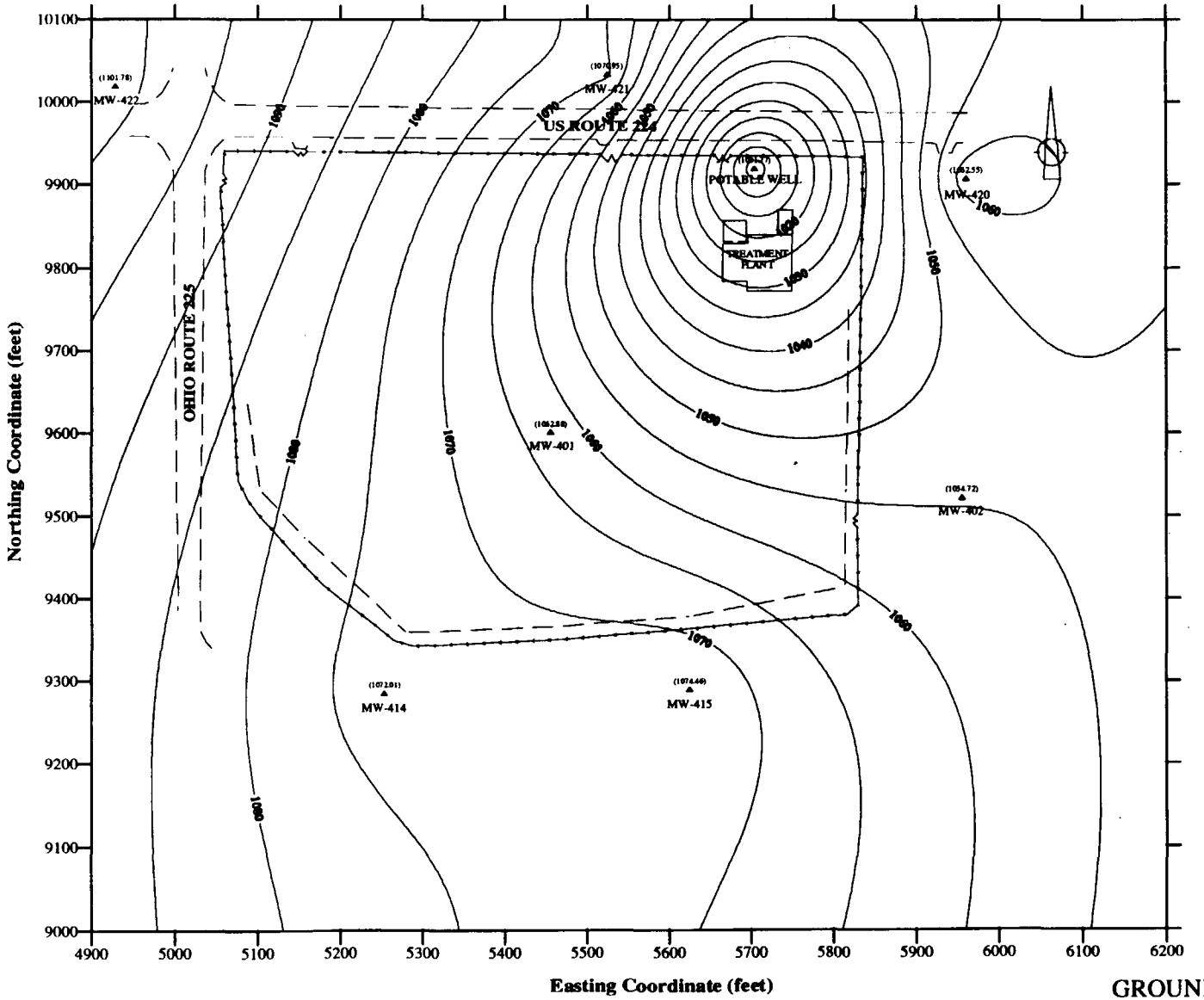
6029 (L) MAY 13, 1996 (W) REV.0 (j:\swenvro\6029\6029-50\contours\uiu\ui051396.srf)



GROUNDWATER CONTOURS
LOWER INTERMEDIATE UNIT -- MAY 13, 1996
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

CRA

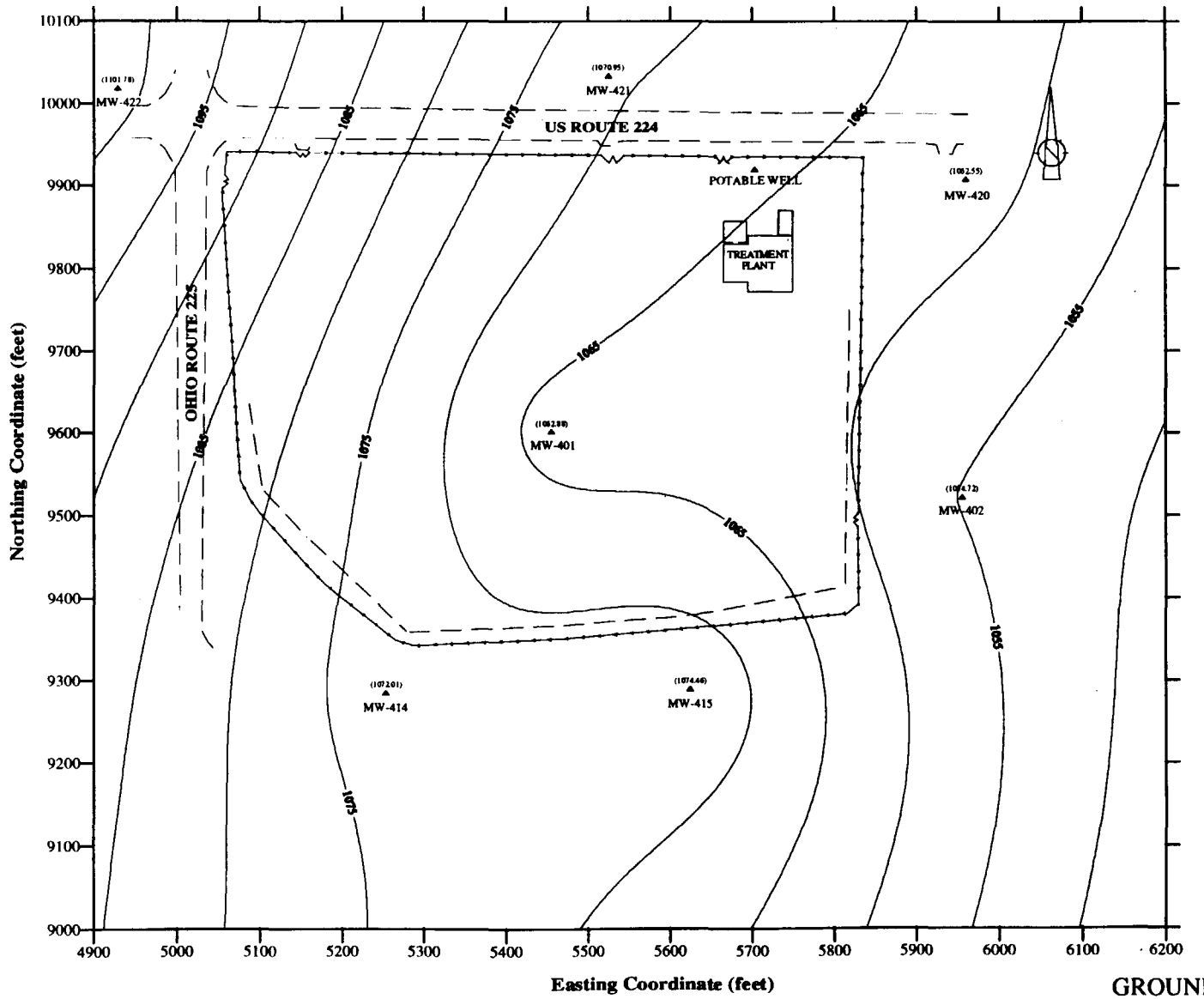
6029 (L) MAY 13, 1996 (W) REV.0 (j:\swenvro\6029\6029-50\contours\liu\li051396.srf)



GROUNDWATER CONTOURS
UPPER SHARON UNIT (with potable well) -- MAY 13, 1996
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

CRA

6029 (L) MAY 13,1996 (W) REV.0 (j:\swenvro\6029\6029-50\contours\usu\us051396.srf)



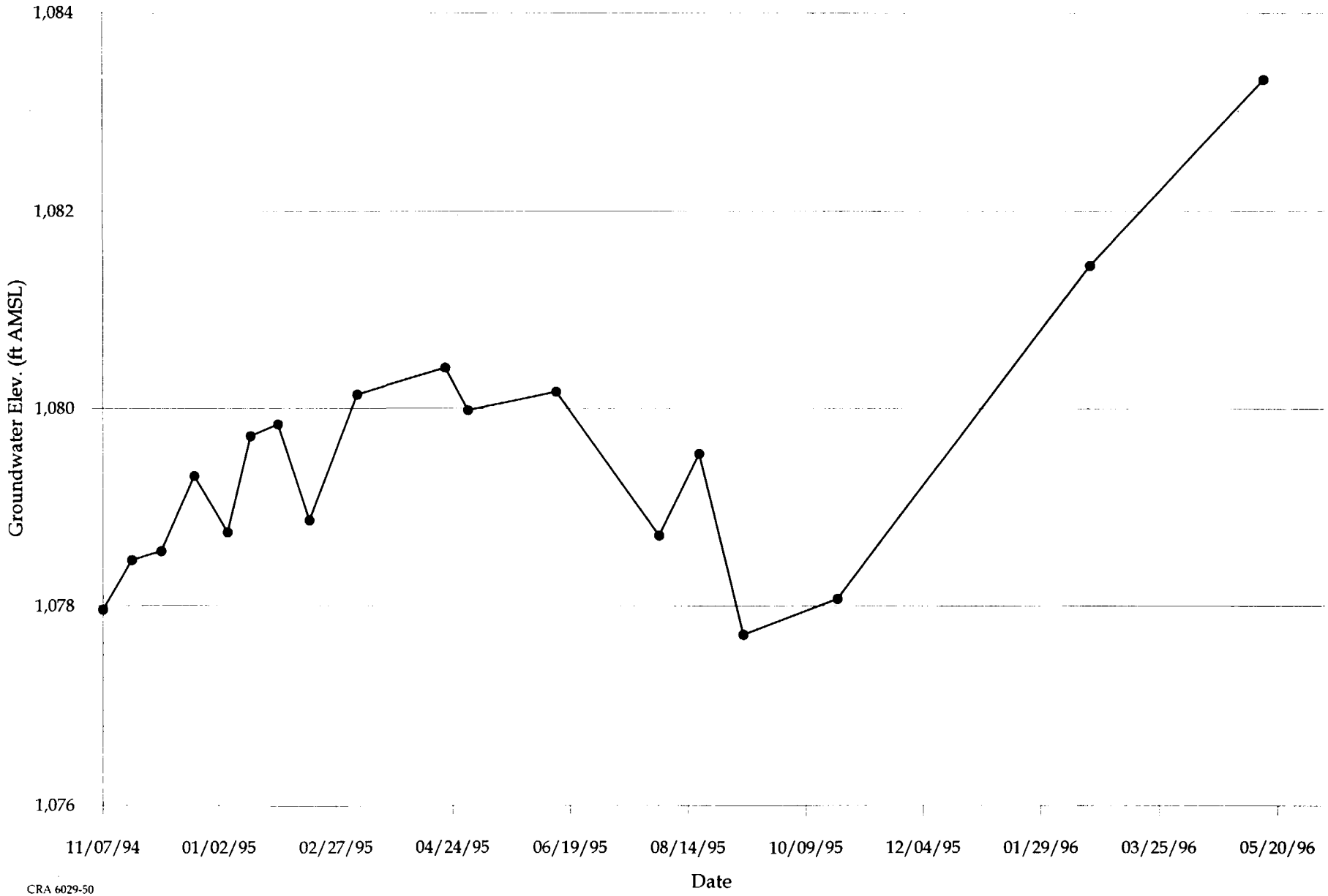
GROUNDWATER CONTOURS
UPPER SHARON UNIT (without potable well)-- MAY 13, 1996
SUMMIT NATIONAL SUPERFUND SITE
Deerfield, Ohio

CRA

6029 (L) MAY 13,1996 (W) REV.0 (j:\swenvro\6029\6029-50\contours\usu\us51396a.srf)

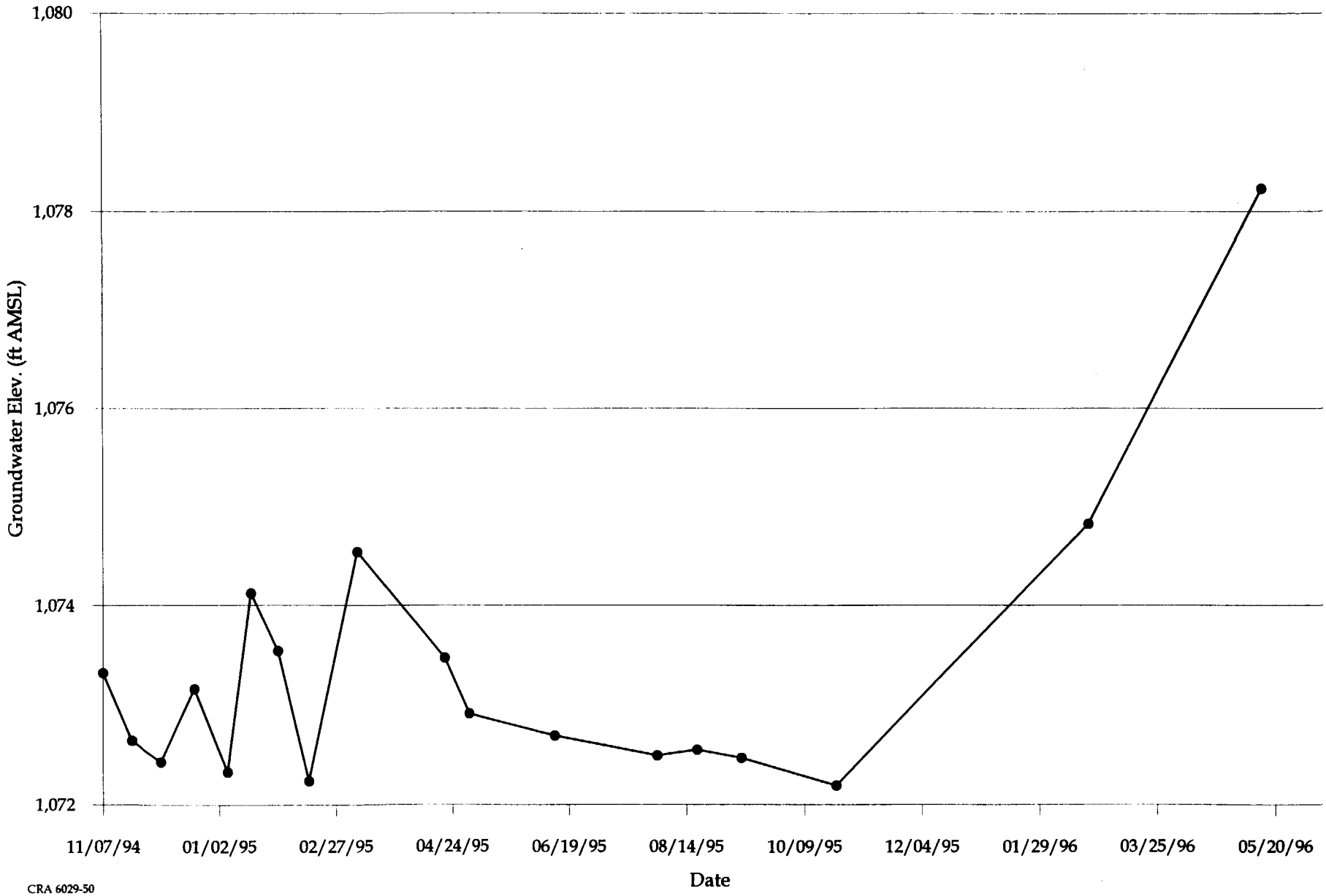
G

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-4
SUMMIT NATIONAL SUPERFUND SITE



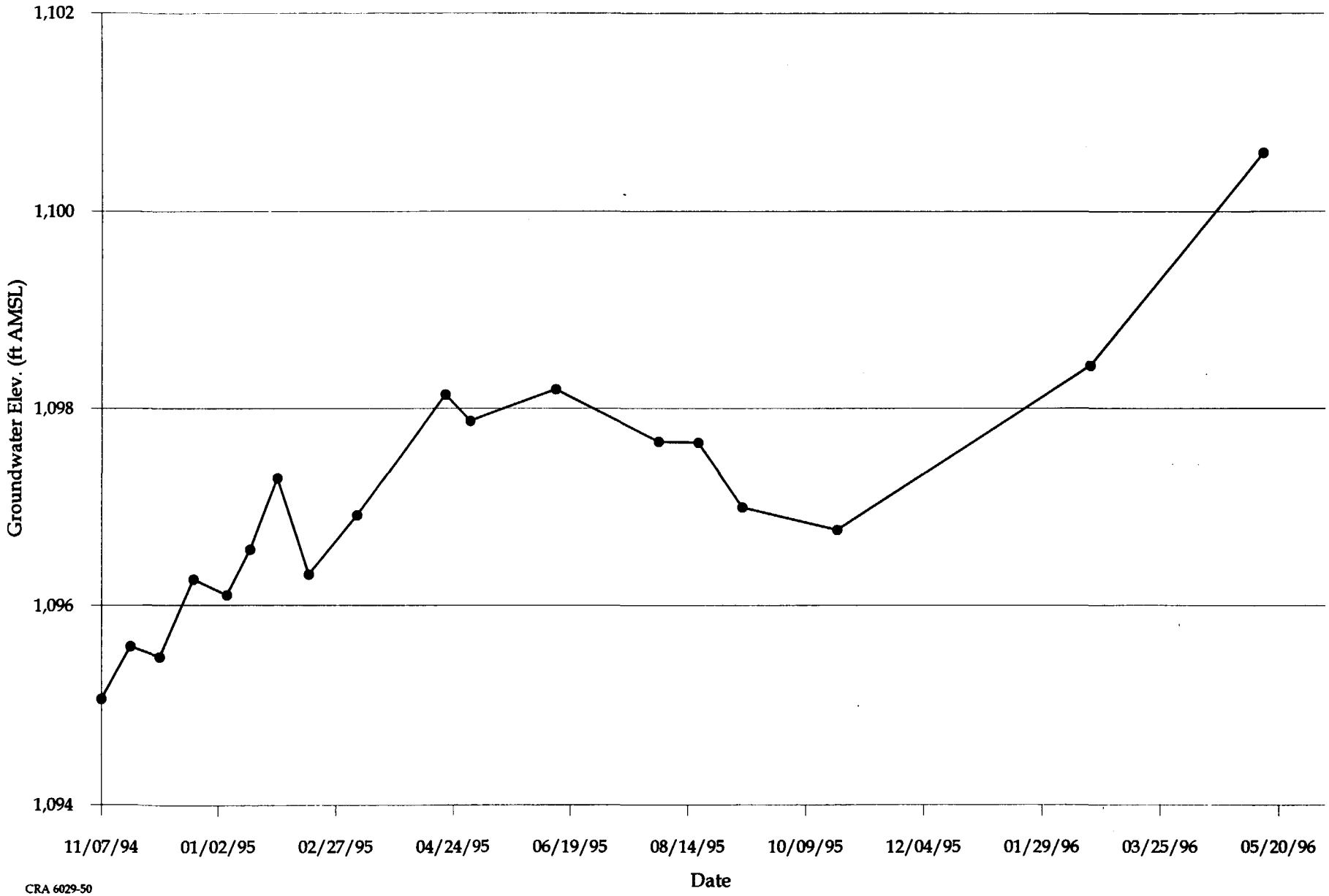
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-11
SUMMIT NATIONAL SUPERFUND SITE



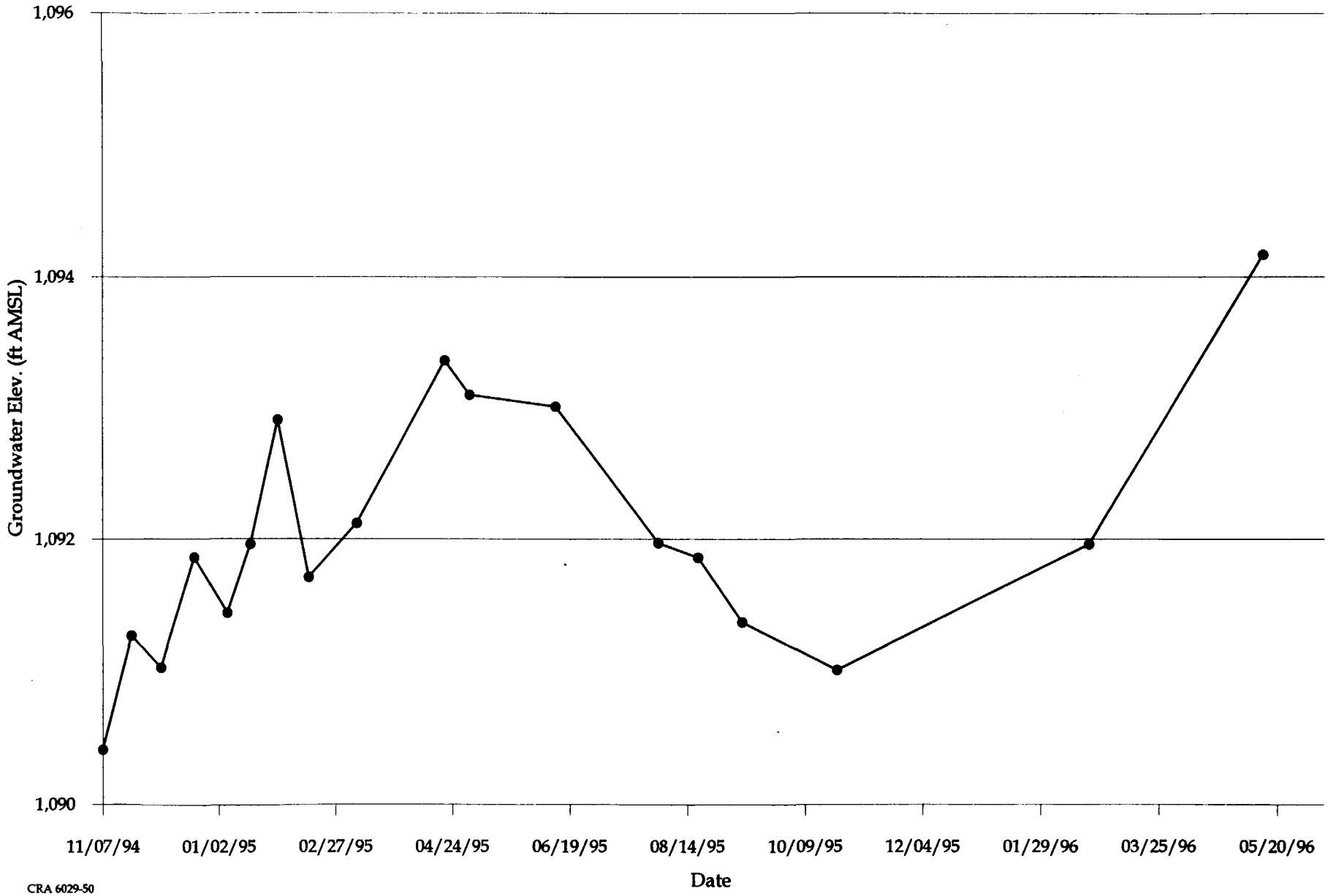
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-101
SUMMIT NATIONAL SUPERFUND SITE



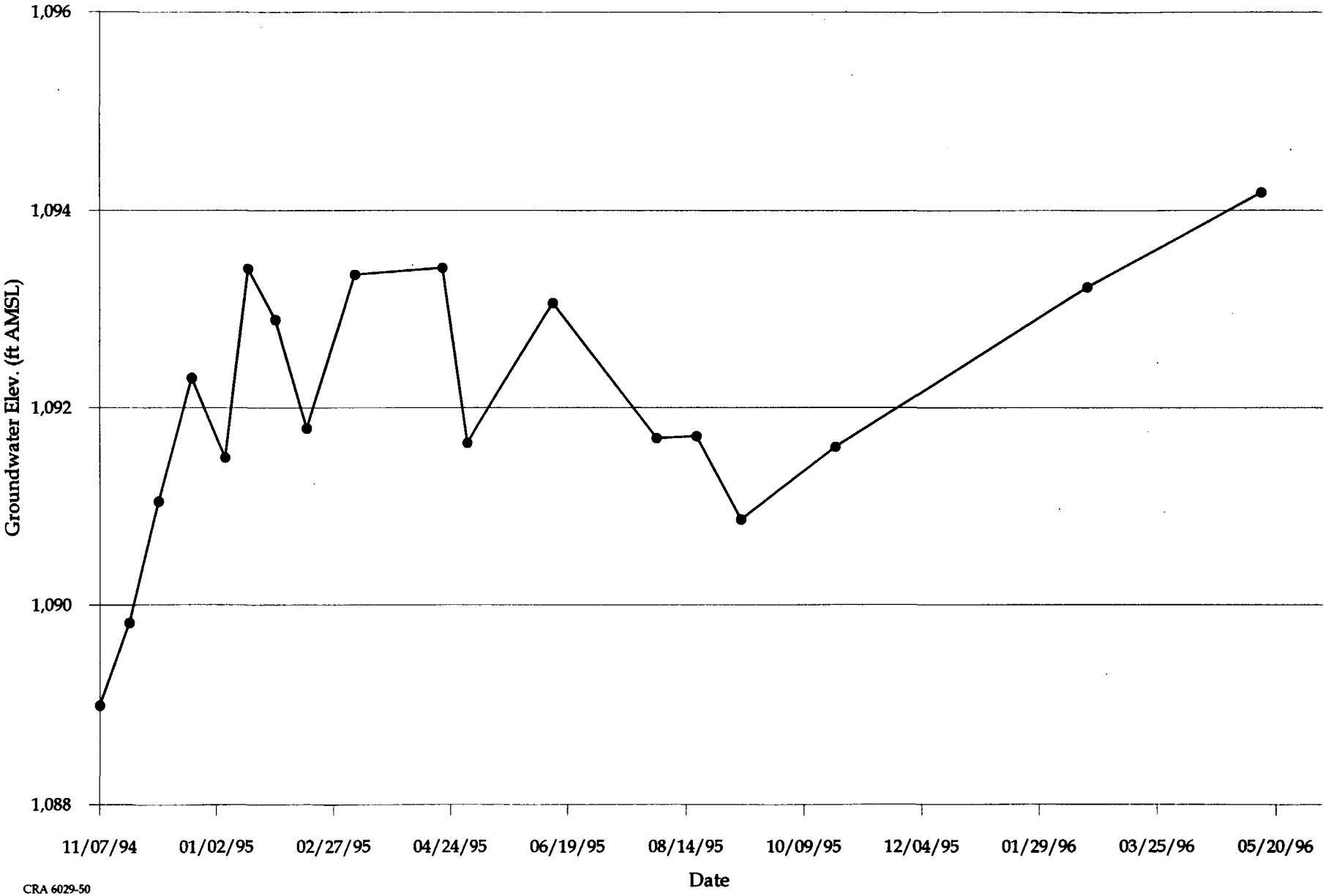
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-102
SUMMIT NATIONAL SUPERFUND SITE



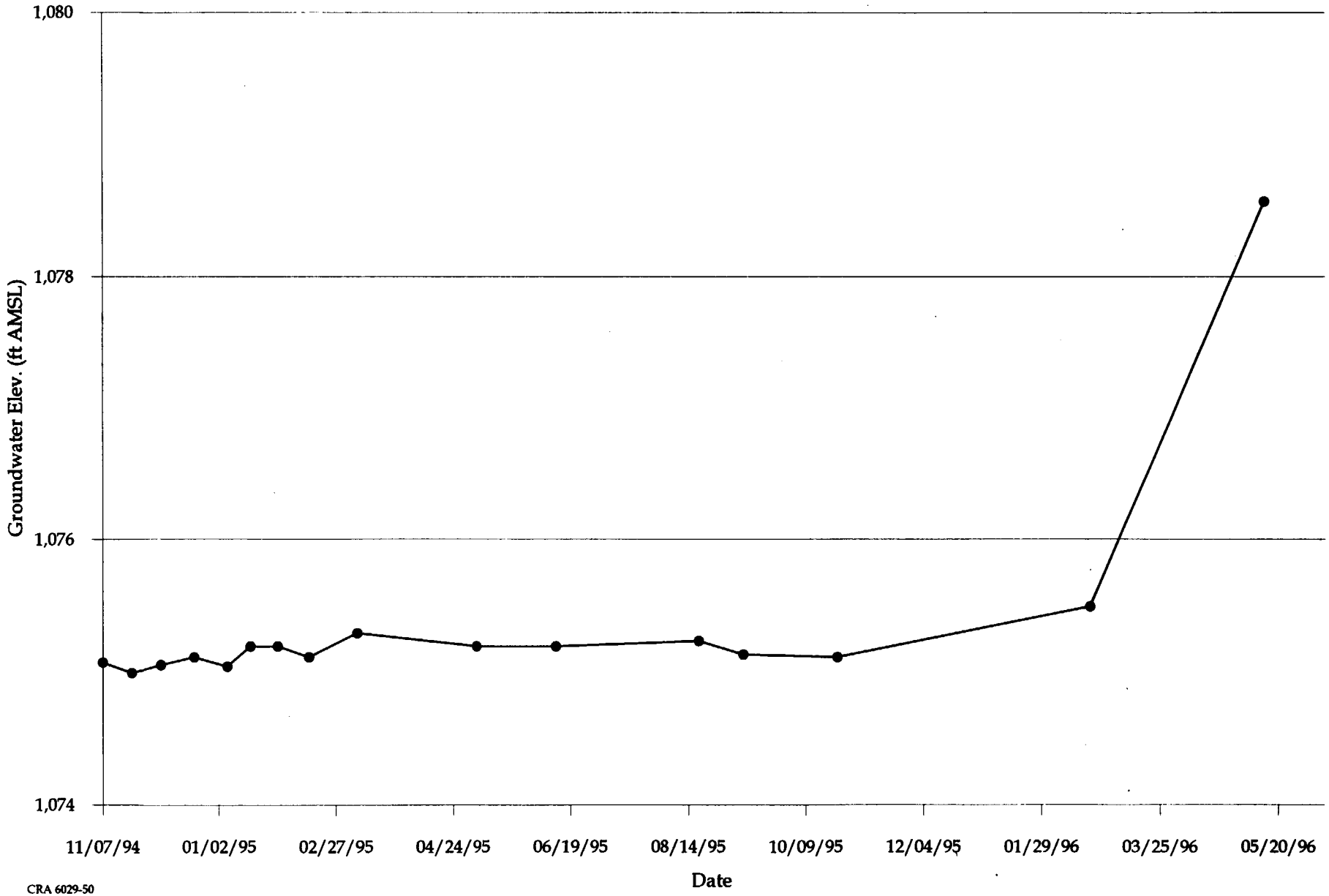
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-103
SUMMIT NATIONAL SUPERFUND SITE



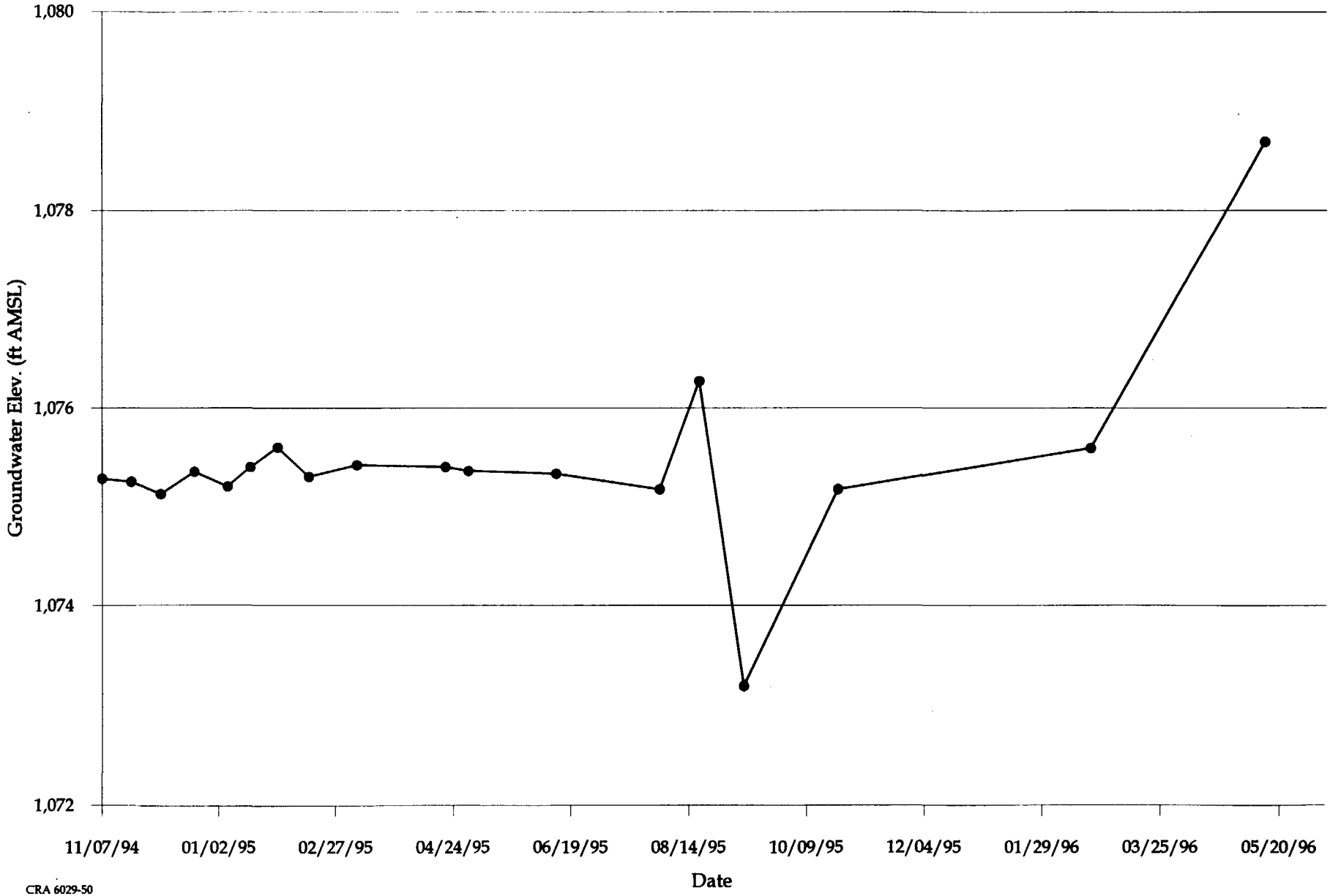
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-104
SUMMIT NATIONAL SUPERFUND SITE



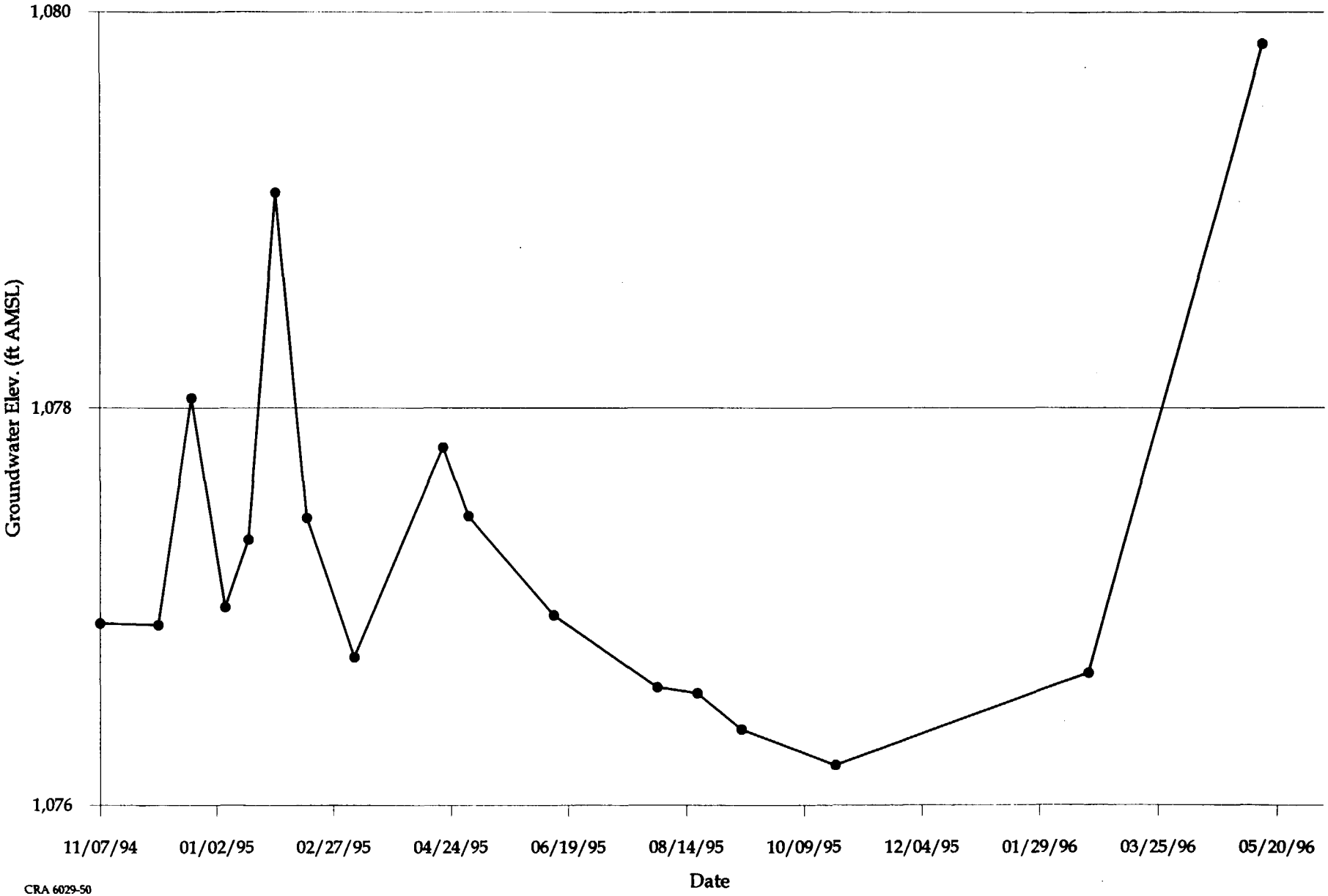
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-105
SUMMIT NATIONAL SUPERFUND SITE



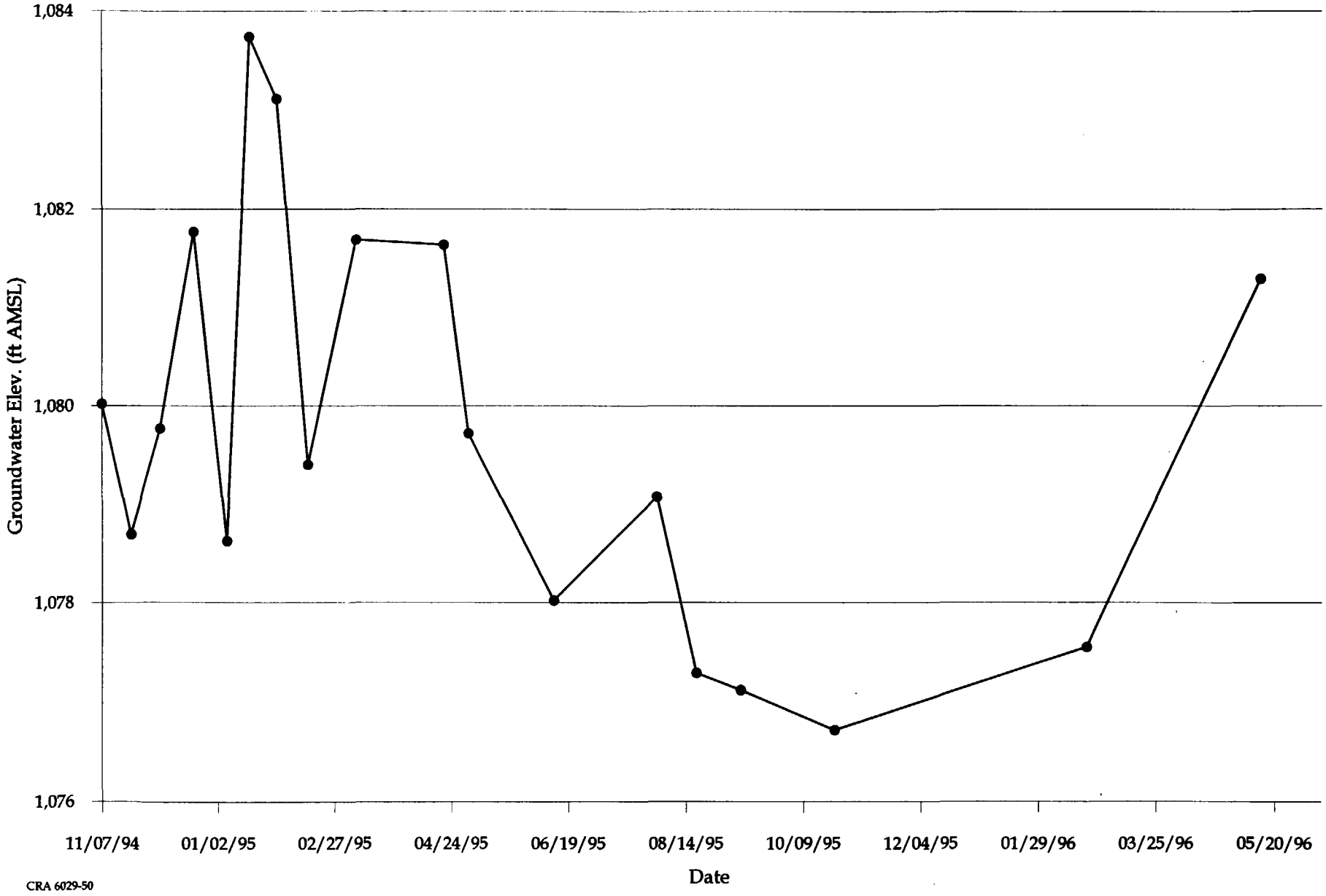
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-106
SUMMIT NATIONAL SUPERFUND SITE



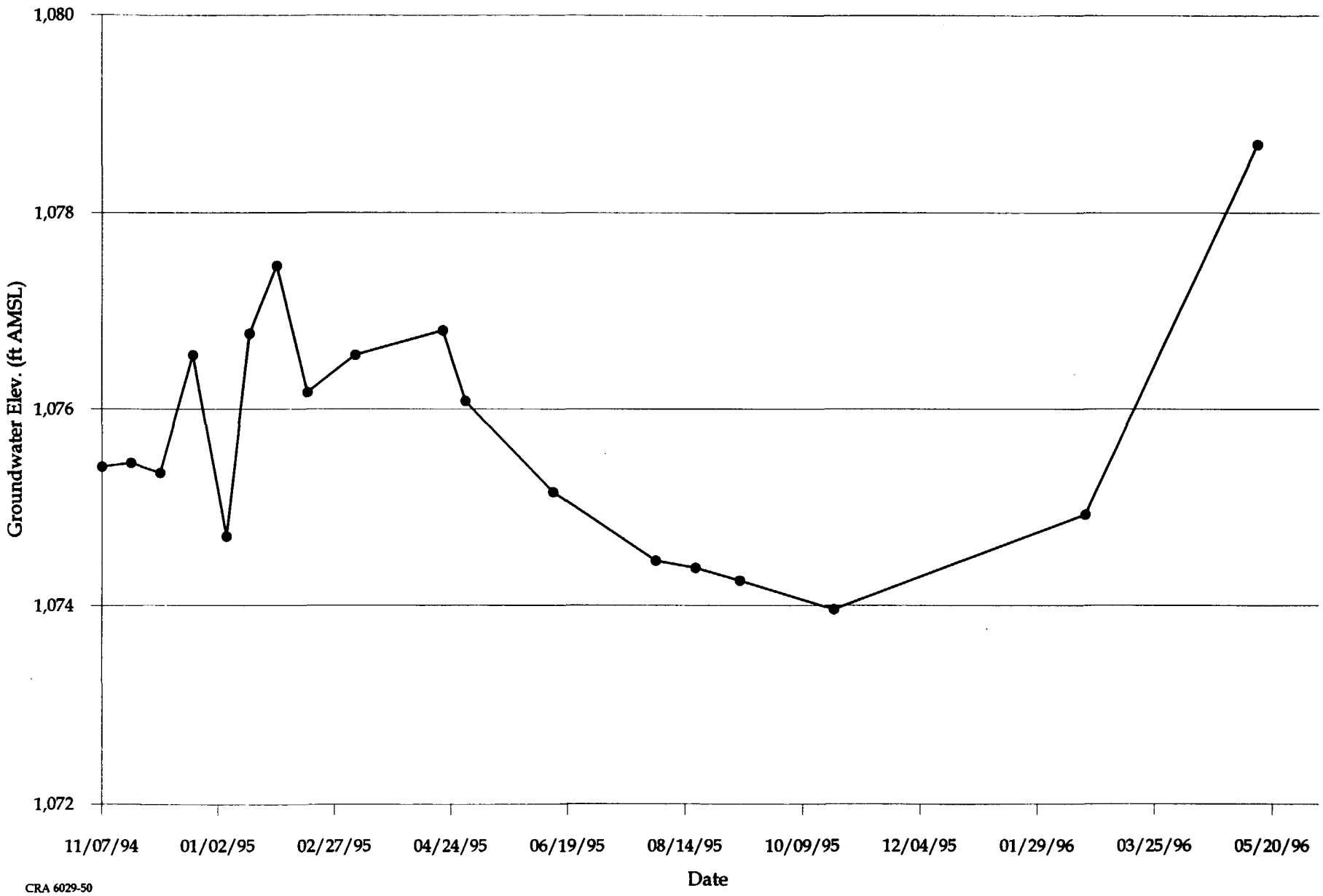
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-107
SUMMIT NATIONAL SUPERFUND SITE



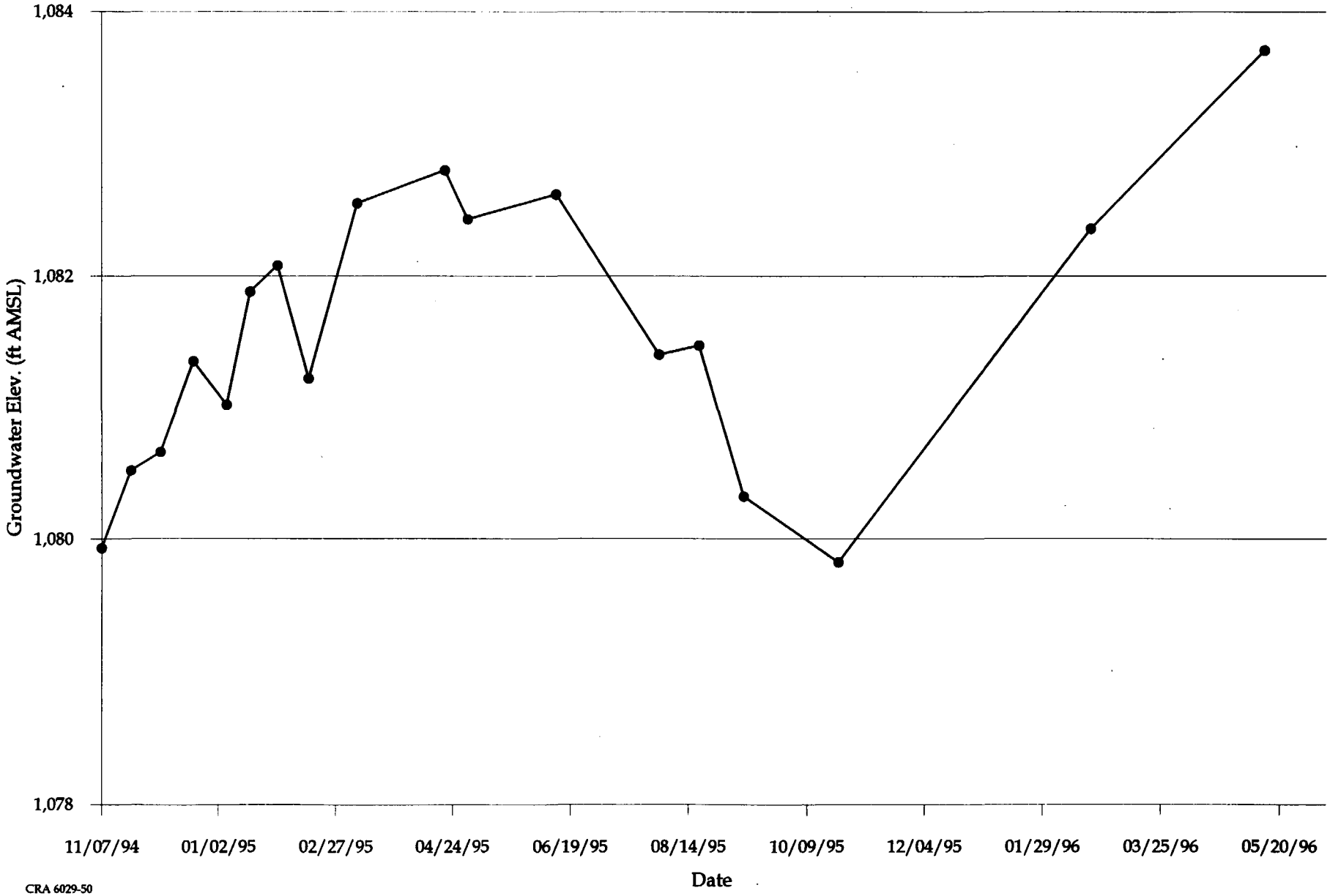
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-108
SUMMIT NATIONAL SUPERFUND SITE



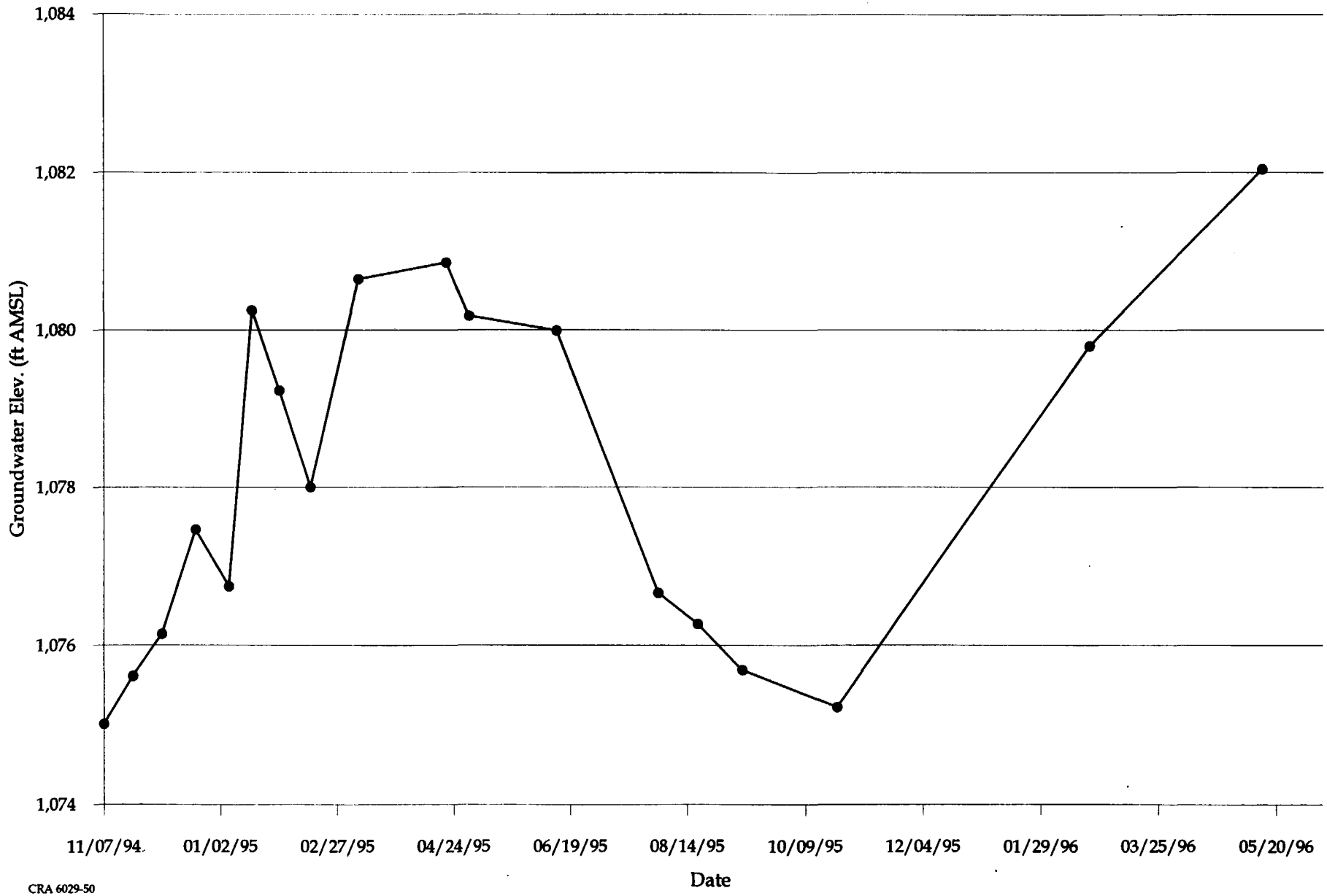
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-109
SUMMIT NATIONAL SUPERFUND SITE



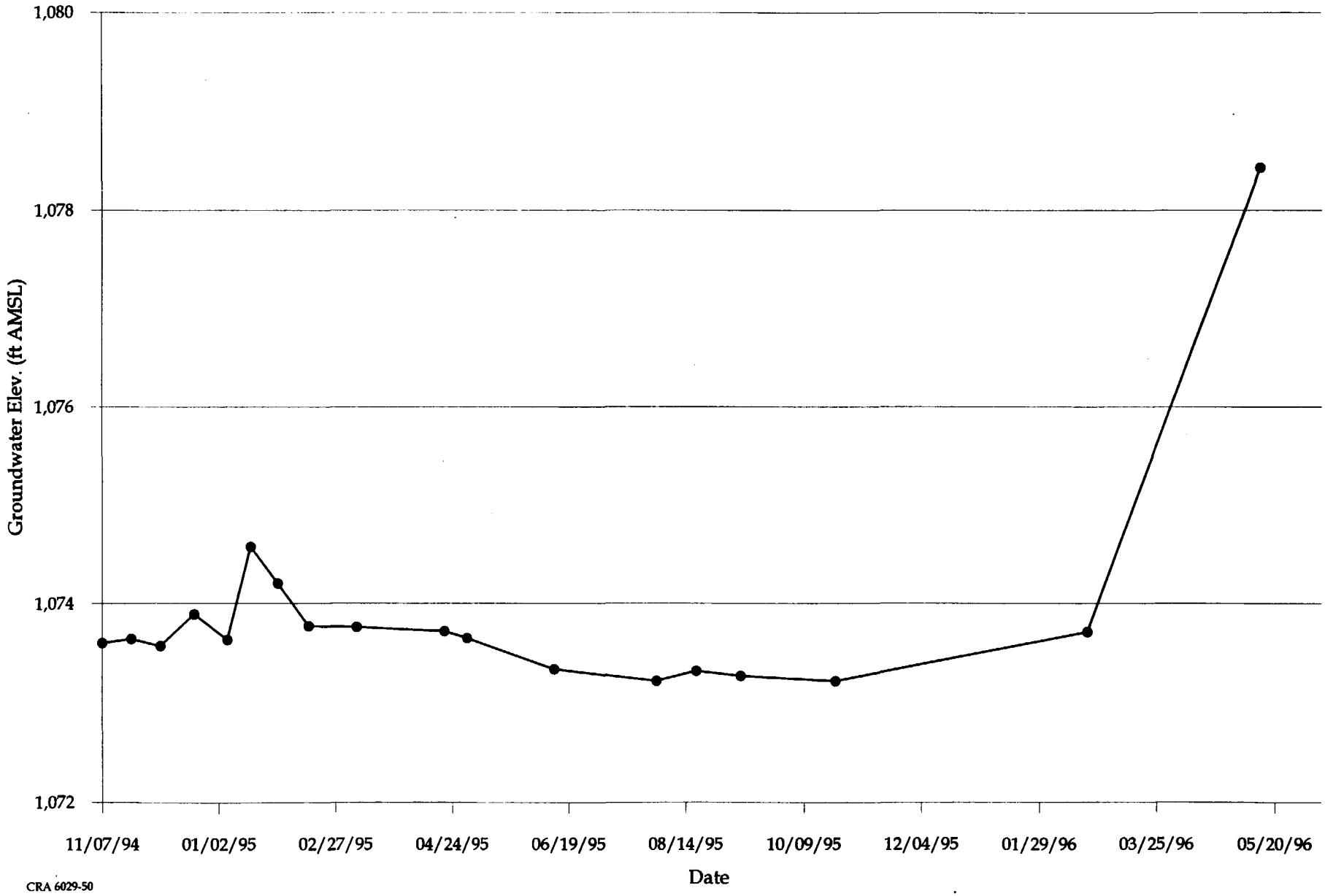
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-110
SUMMIT NATIONAL SUPERFUND SITE



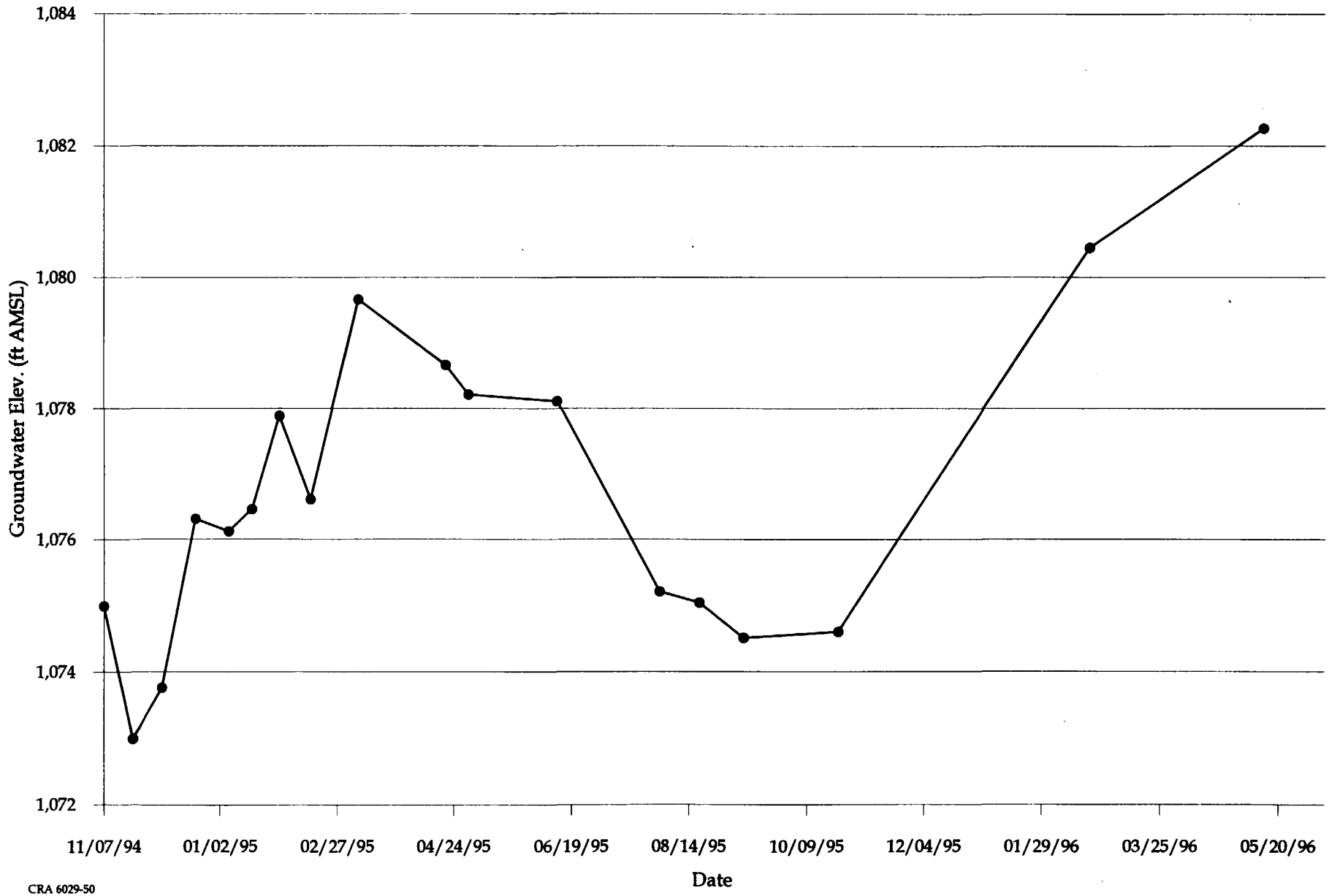
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-111
SUMMIT NATIONAL SUPERFUND SITE



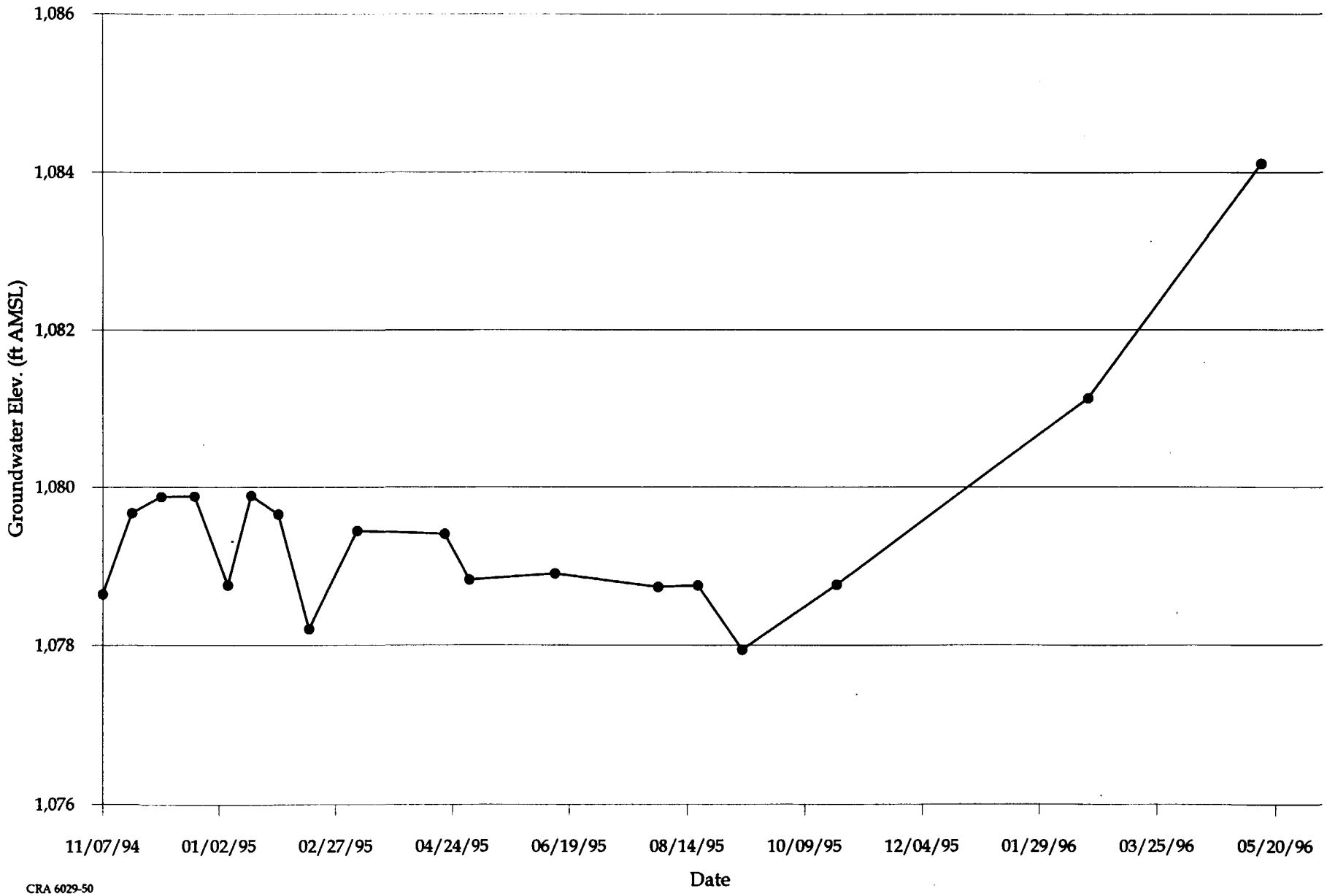
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-113
SUMMIT NATIONAL SUPERFUND SITE



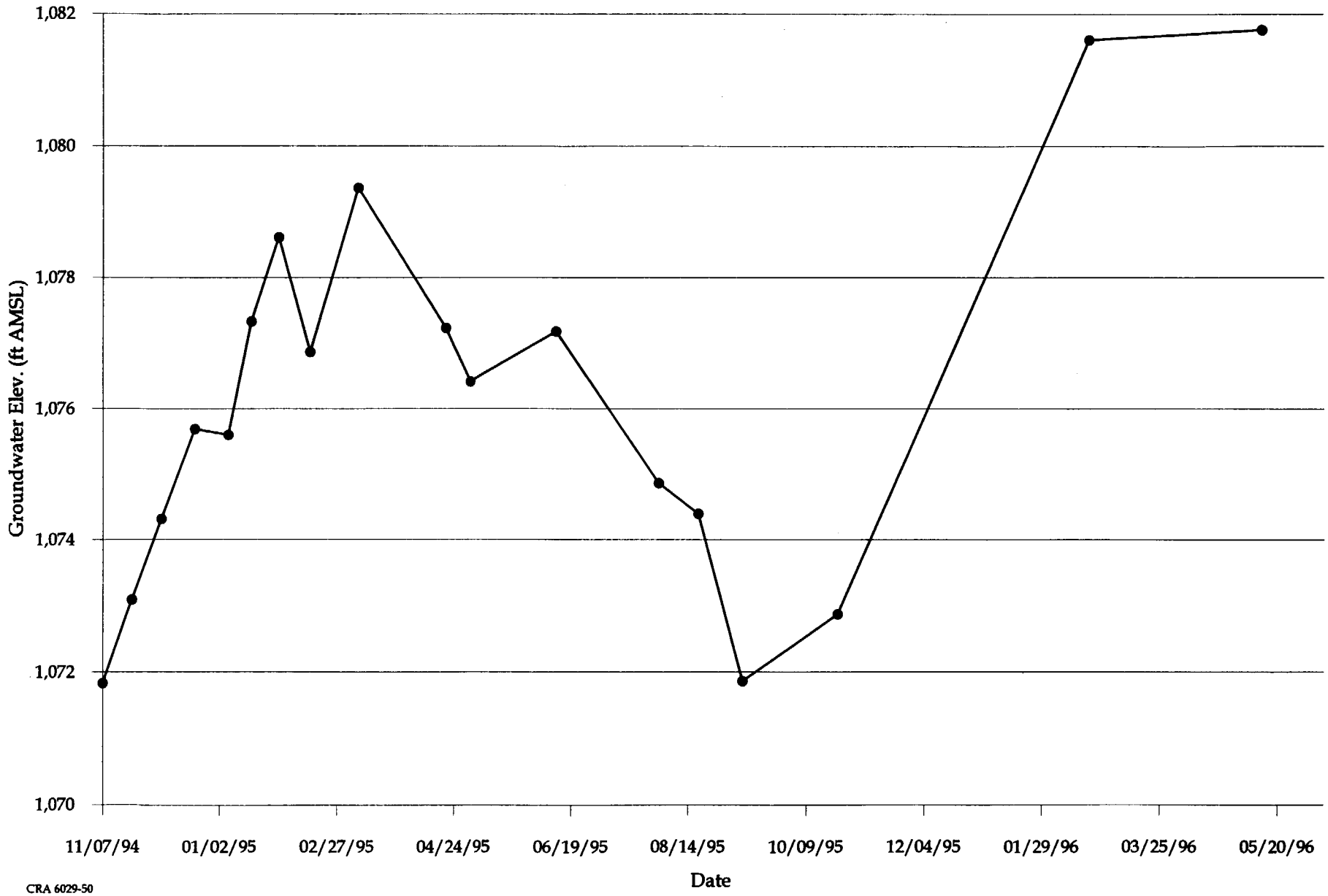
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-114
SUMMIT NATIONAL SUPERFUND SITE



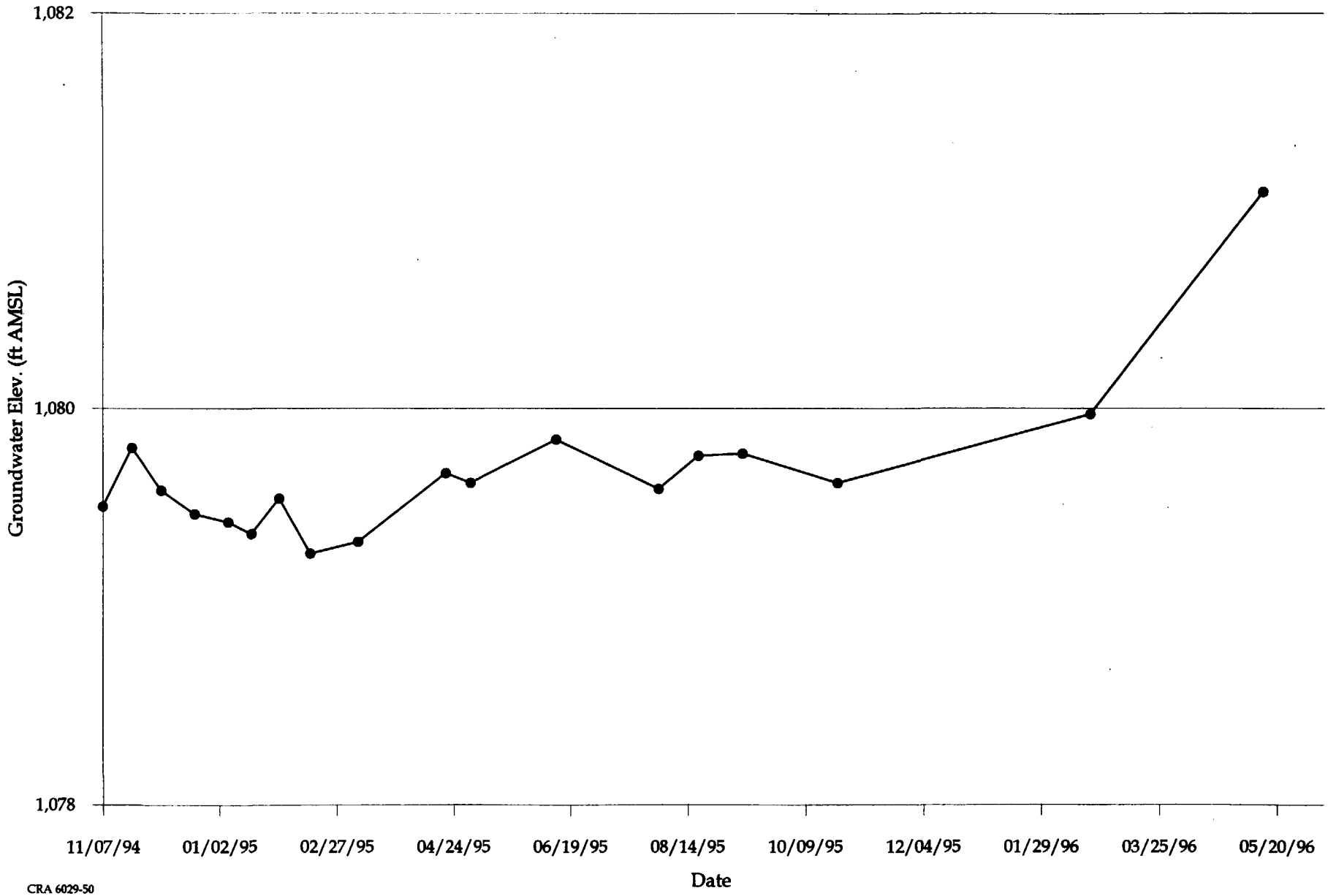
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-115
SUMMIT NATIONAL SUPERFUND SITE



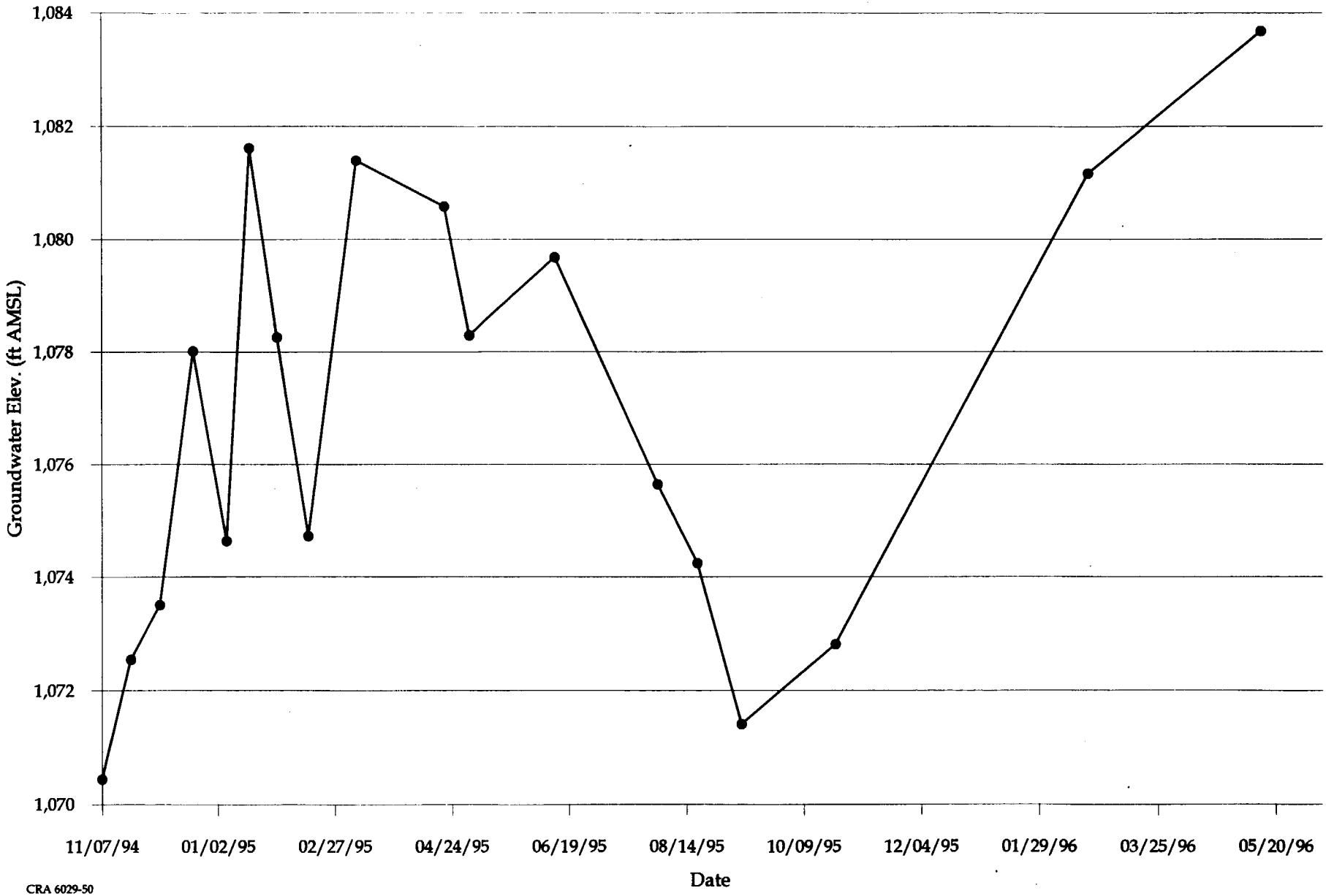
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-116
SUMMIT NATIONAL SUPERFUND SITE



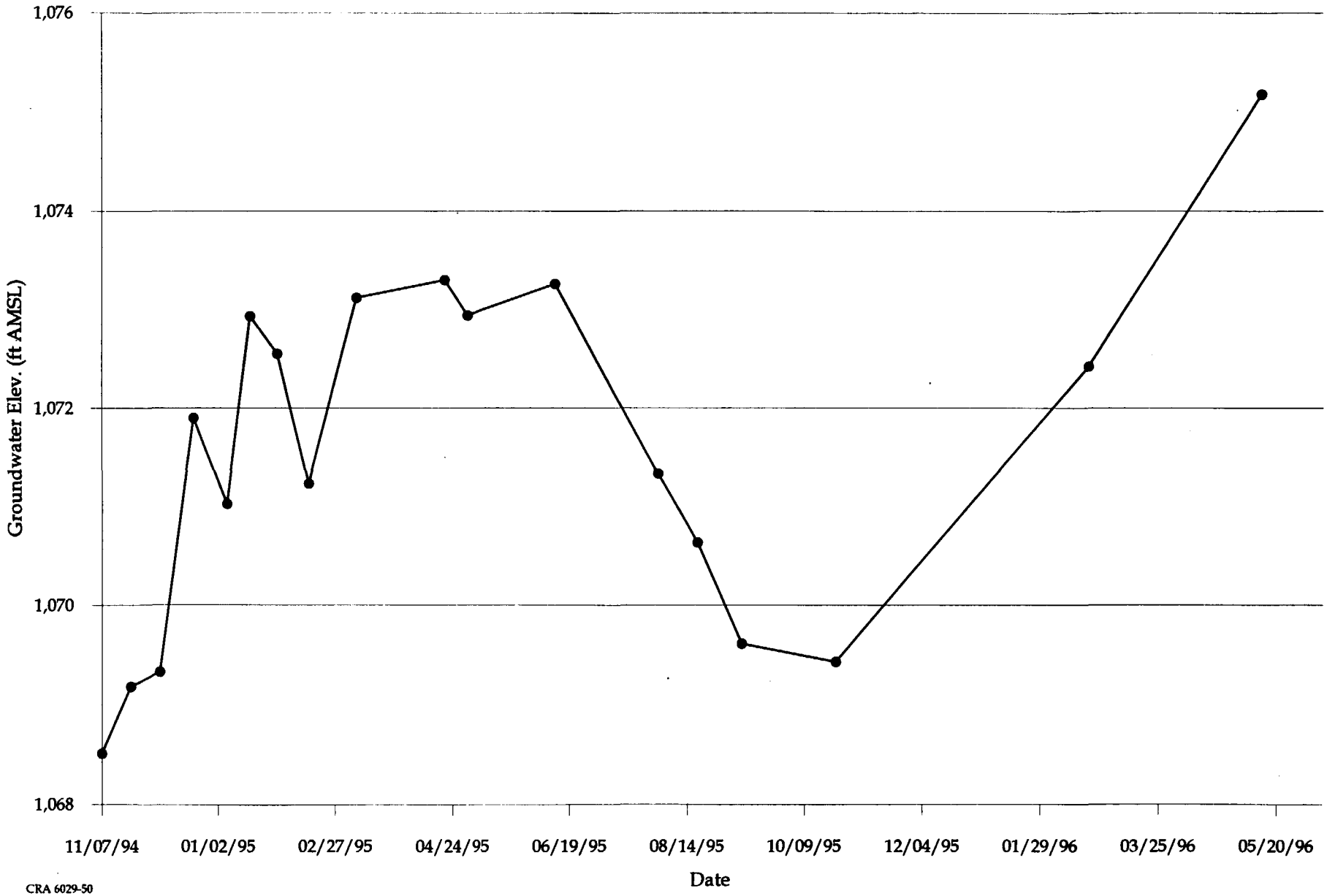
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-117
SUMMIT NATIONAL SUPERFUND SITE



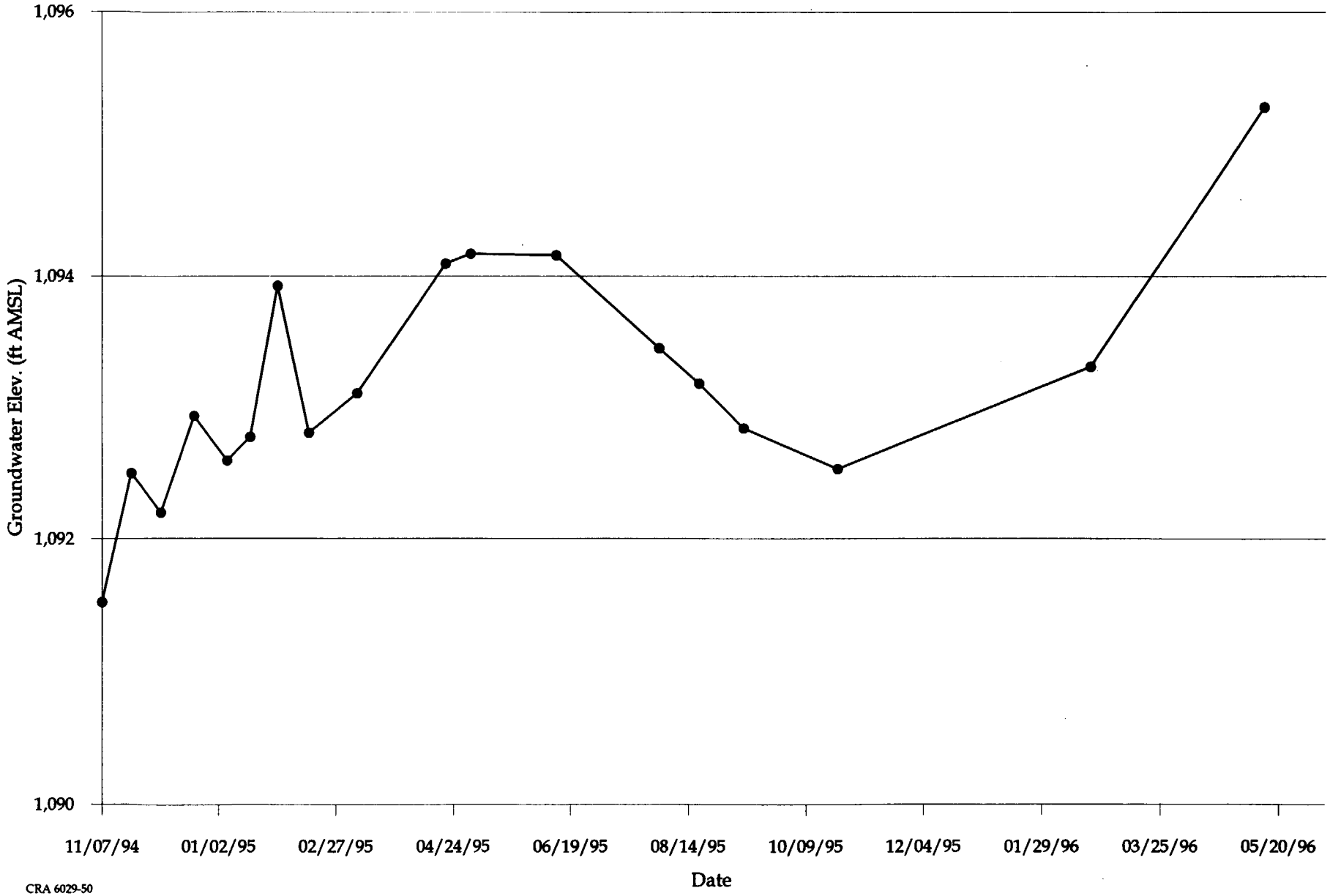
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: MW-118
SUMMIT NATIONAL SUPERFUND SITE



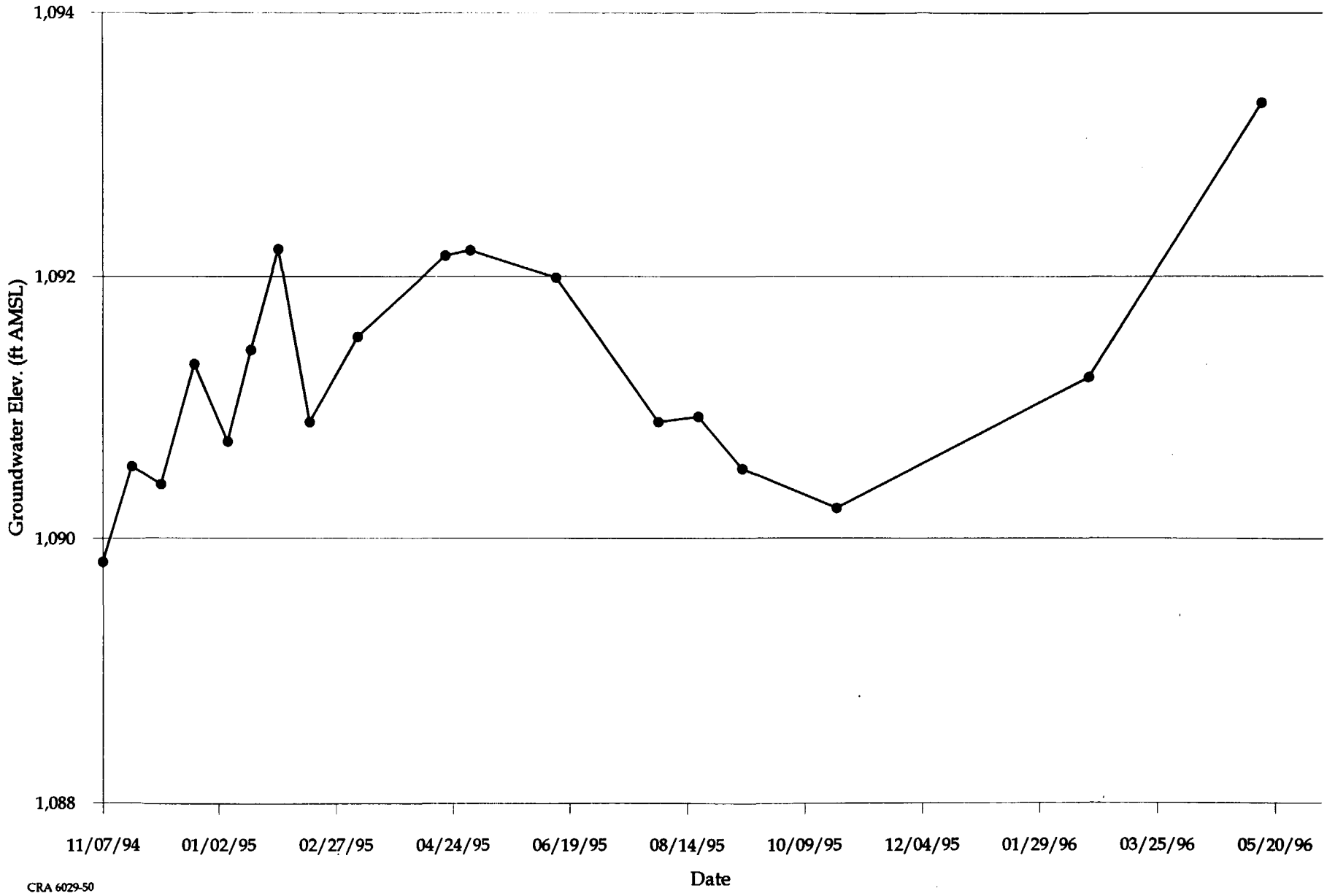
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: PZ-1
SUMMIT NATIONAL SUPERFUND SITE



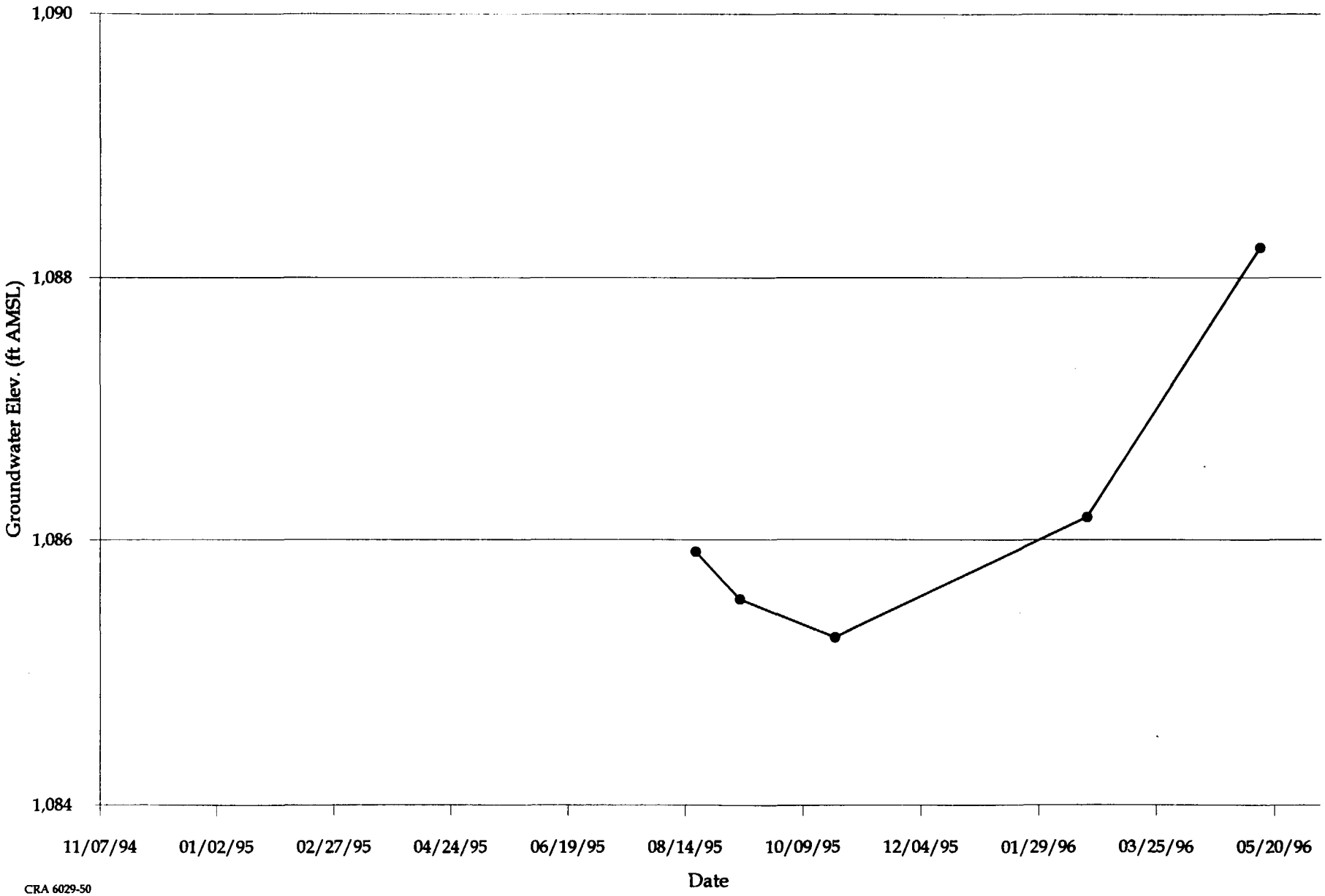
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: PZ-101
SUMMIT NATIONAL SUPERFUND SITE



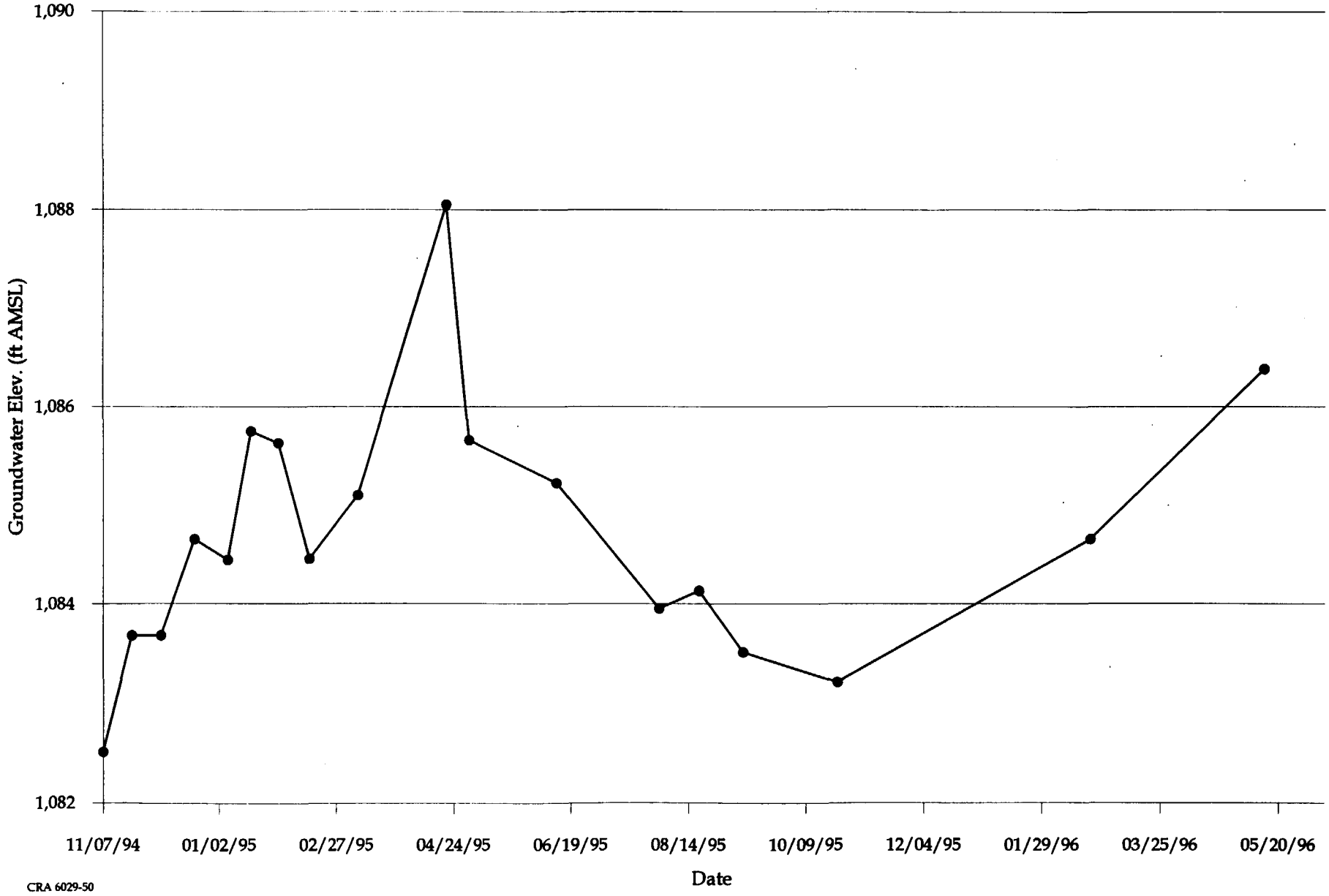
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: PZ-102
SUMMIT NATIONAL SUPERFUND SITE



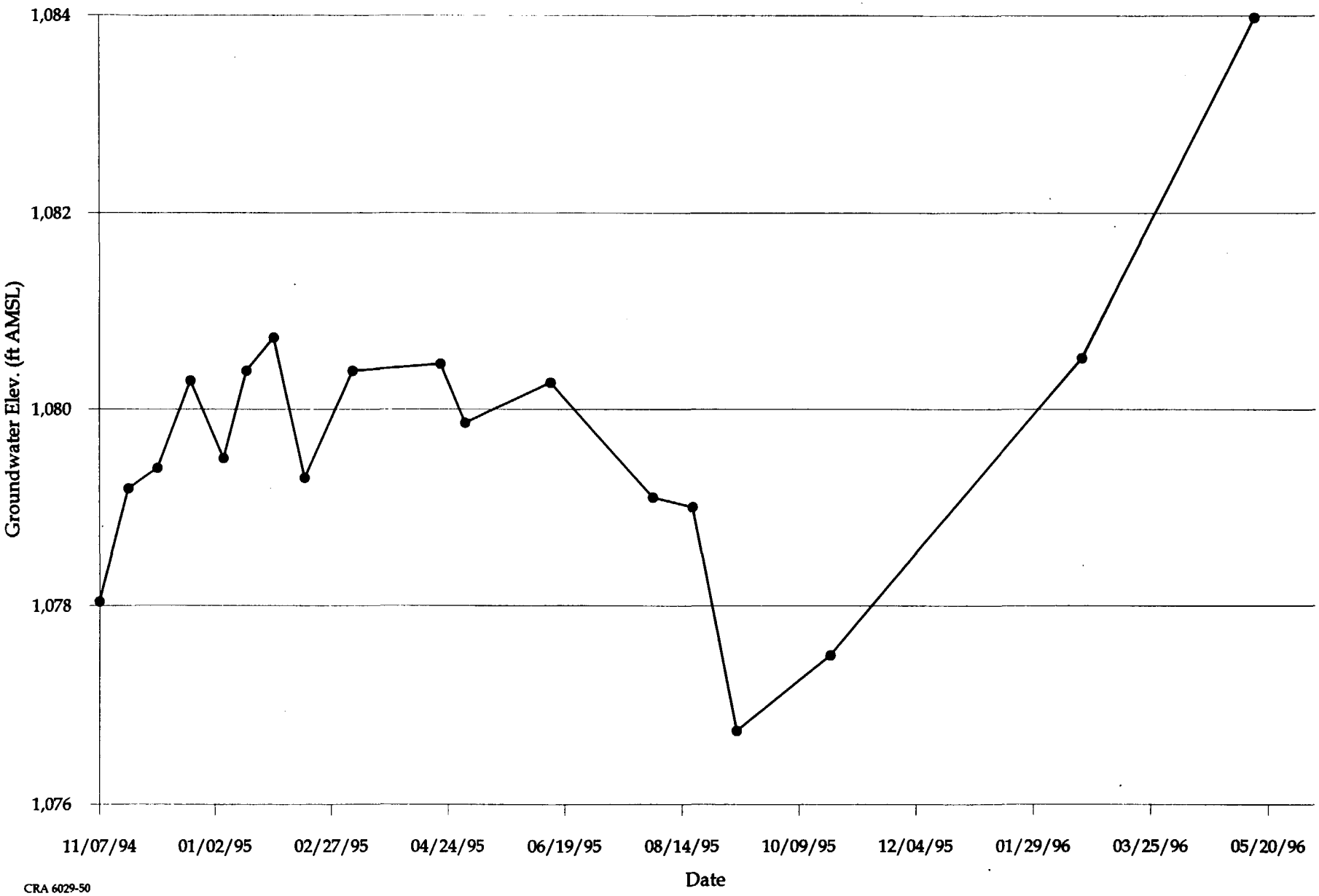
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: PZ-103
SUMMIT NATIONAL SUPERFUND SITE



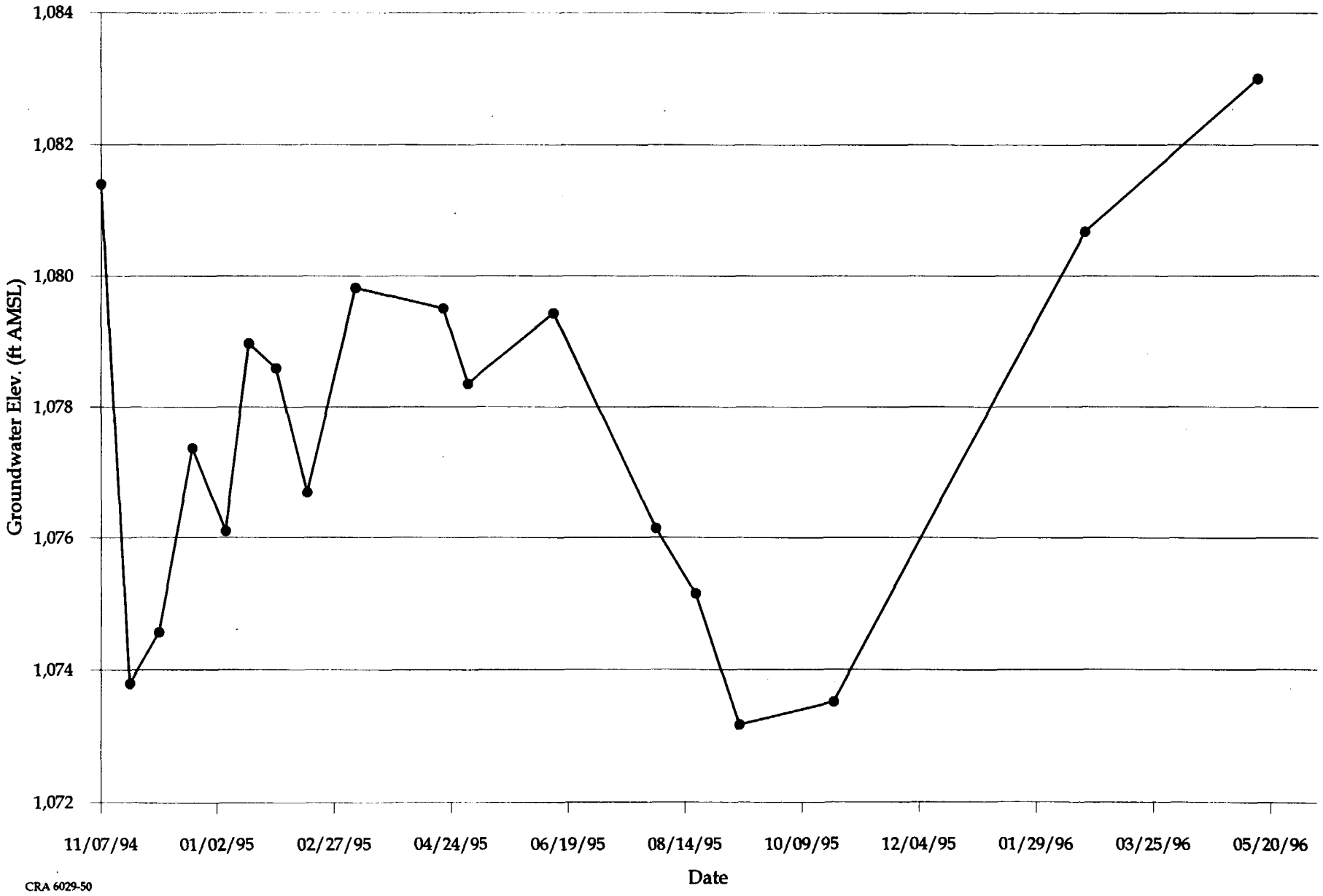
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: PZ-104
SUMMIT NATIONAL SUPERFUND SITE



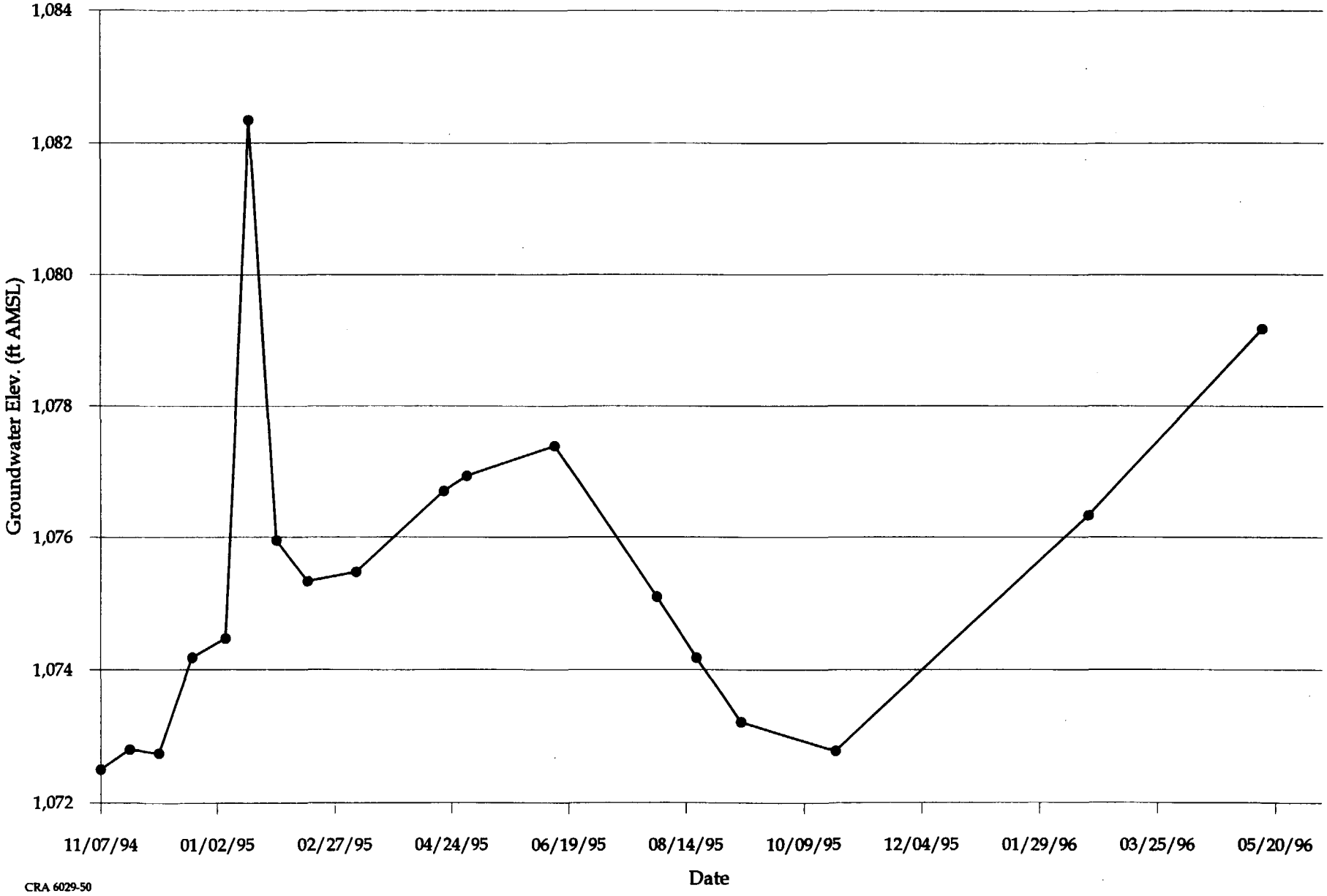
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: PZ-105
SUMMIT NATIONAL SUPERFUND SITE



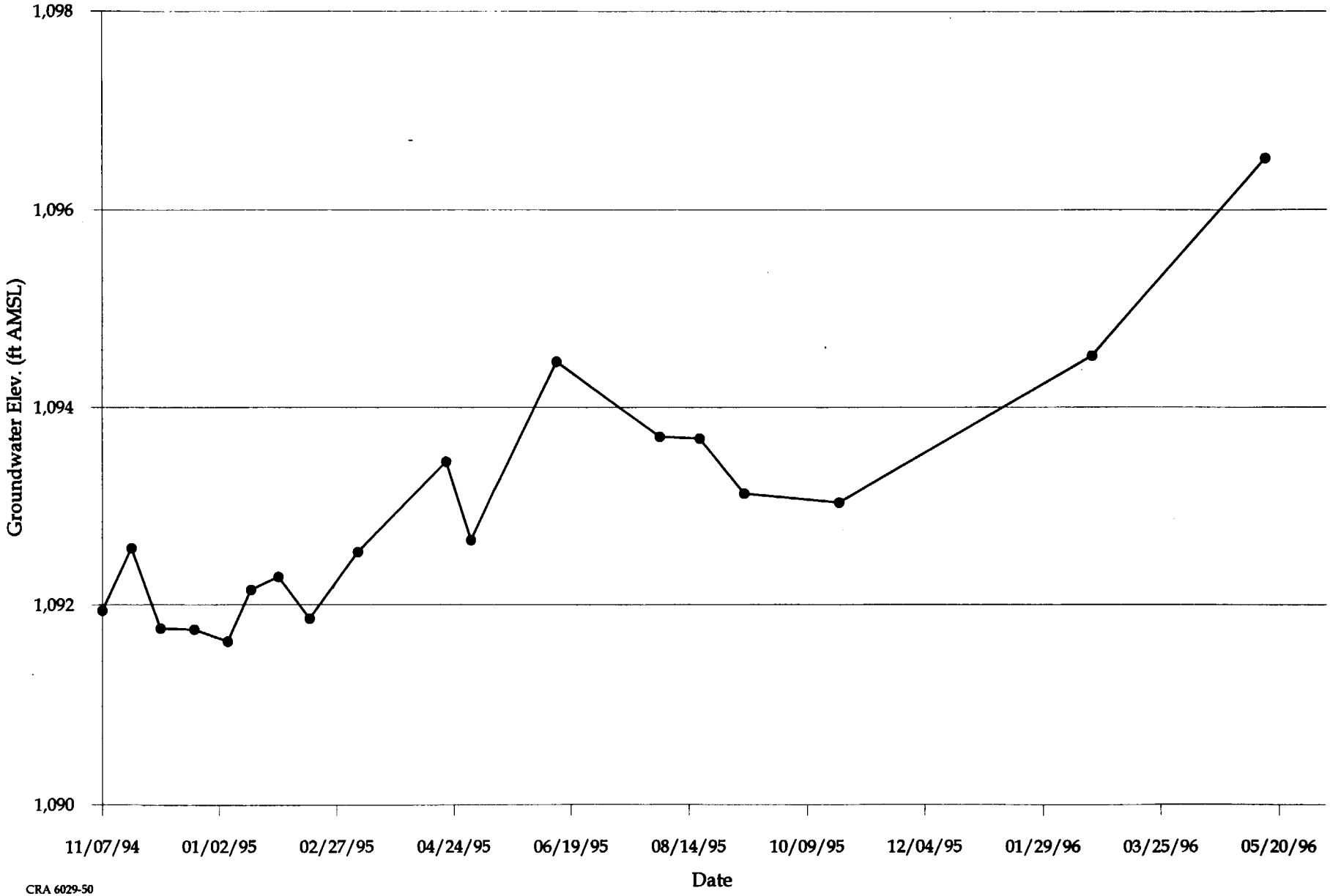
CRA 6029-50

GROUNDWATER HYDROGRAPH
WATER TABLE UNIT: PZ-106
SUMMIT NATIONAL SUPERFUND SITE



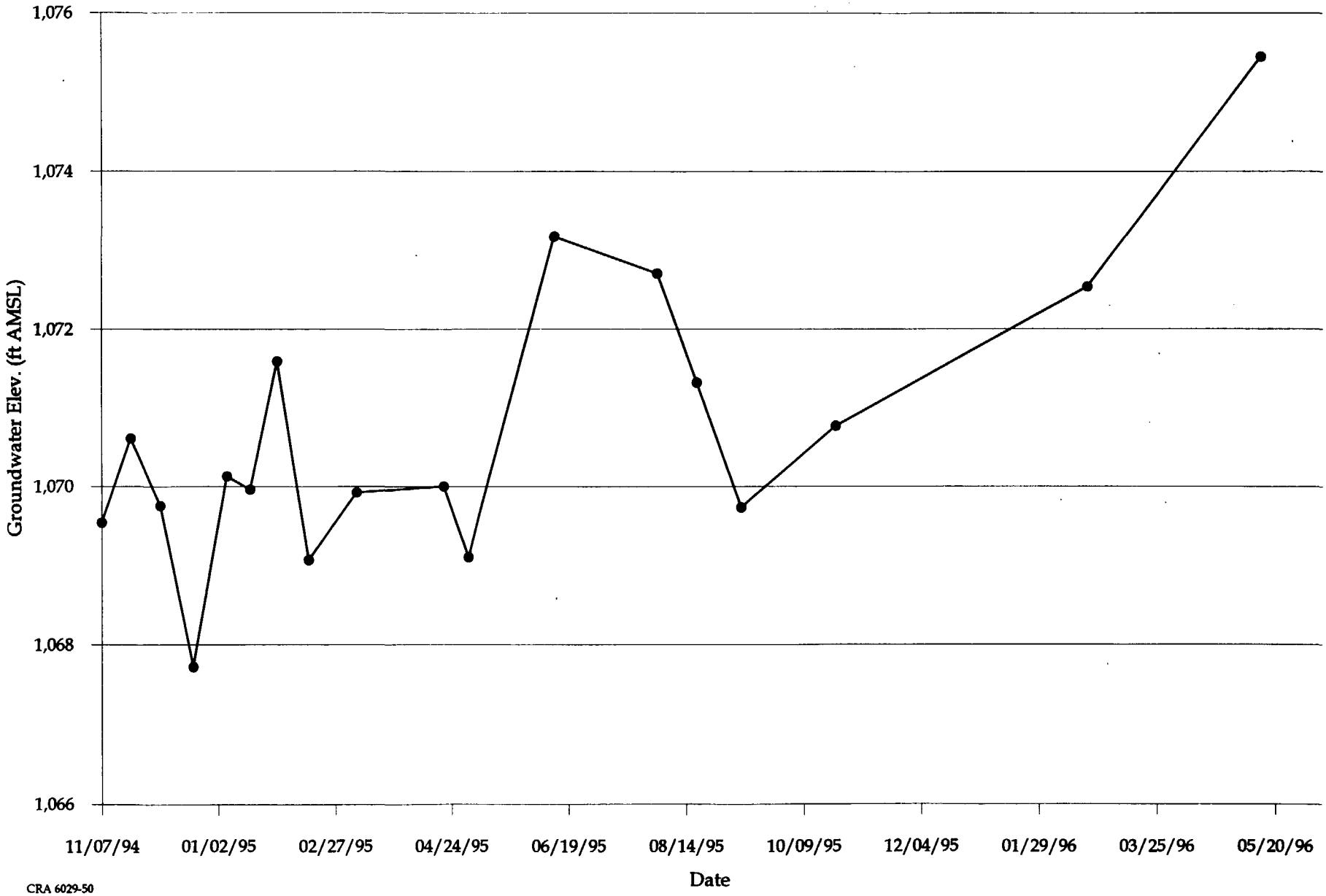
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-201
SUMMIT NATIONAL SUPERFUND SITE



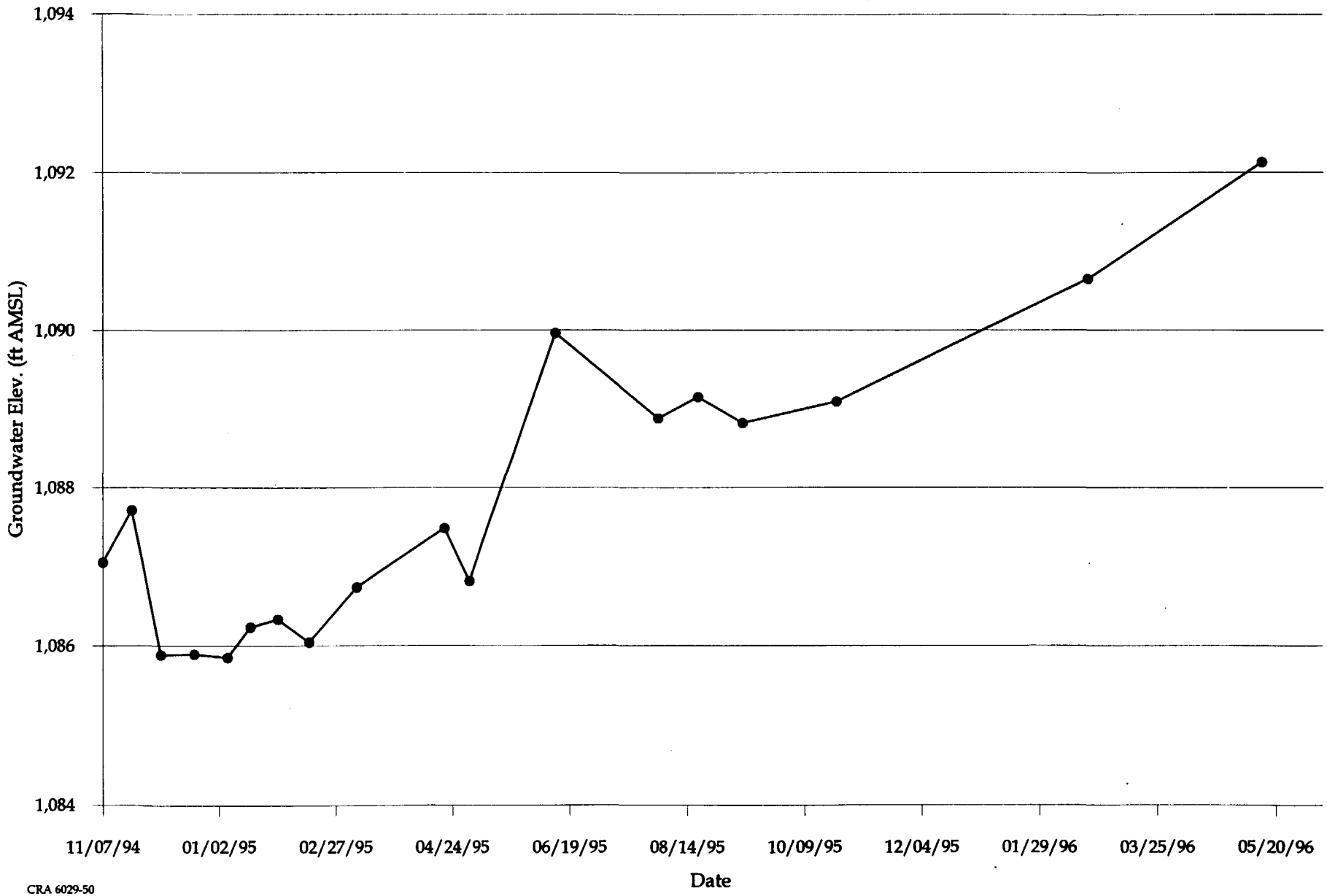
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-202
SUMMIT NATIONAL SUPERFUND SITE



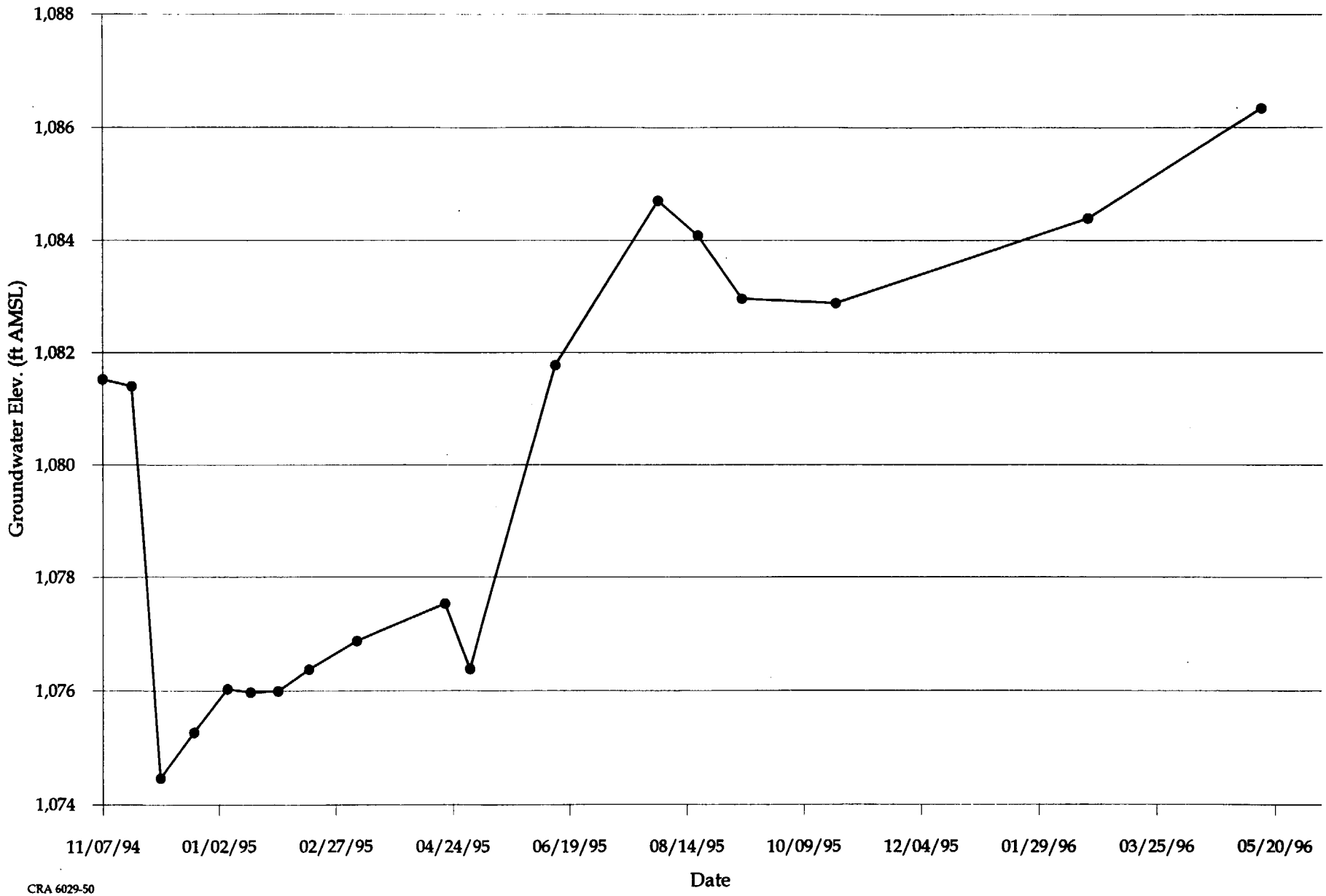
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-203
SUMMIT NATIONAL SUPERFUND SITE



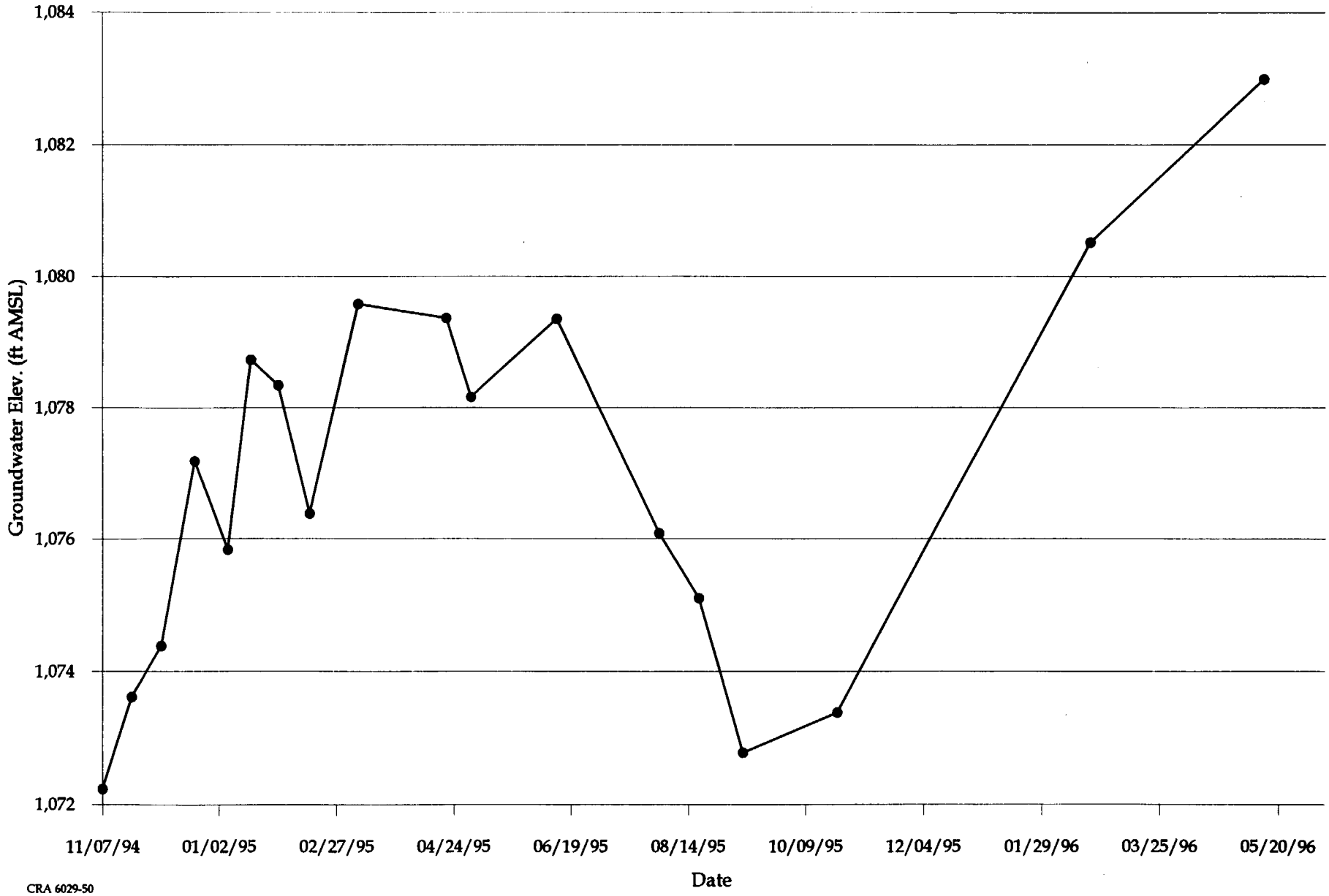
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-204
SUMMIT NATIONAL SUPERFUND SITE



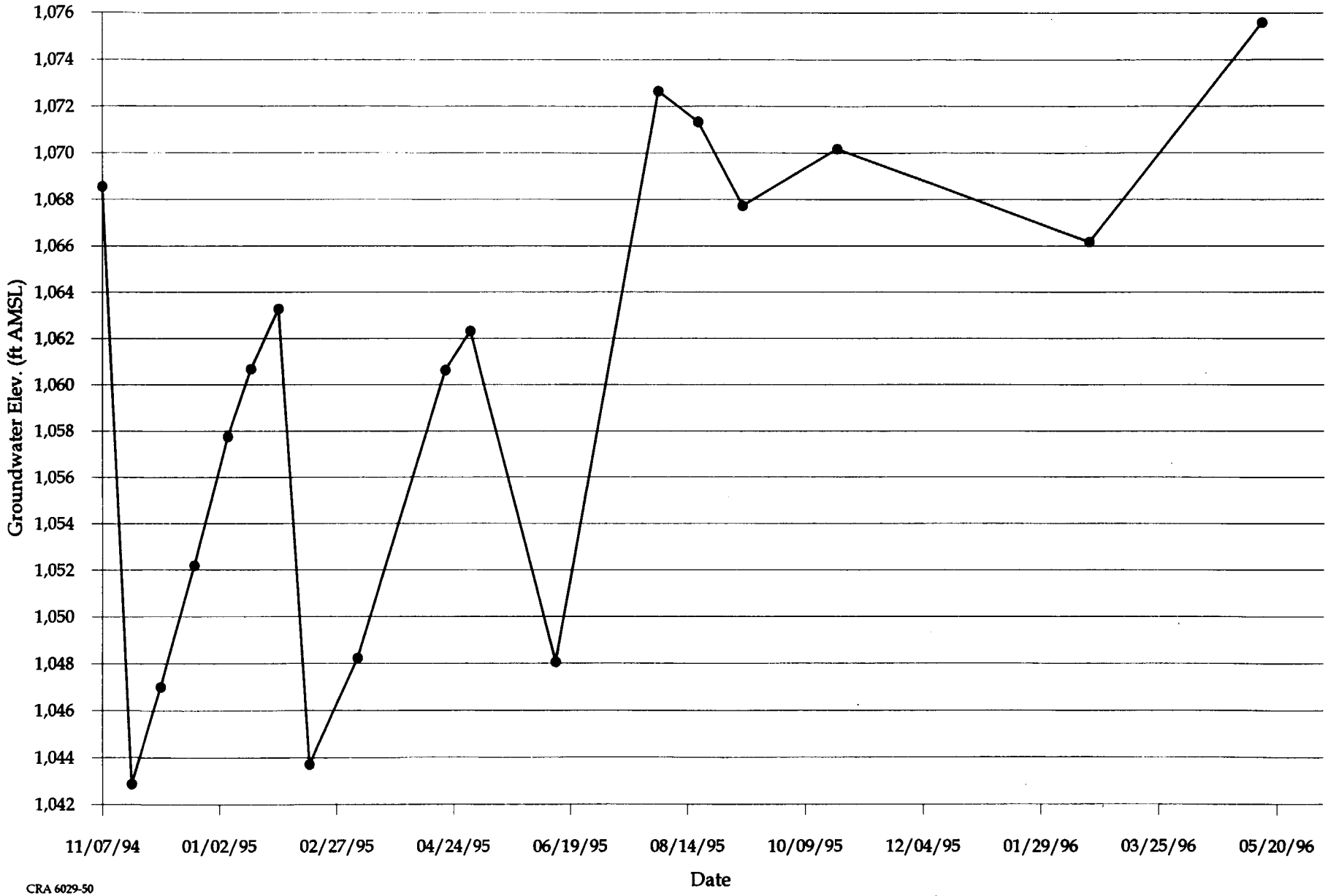
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-205
SUMMIT NATIONAL SUPERFUND SITE



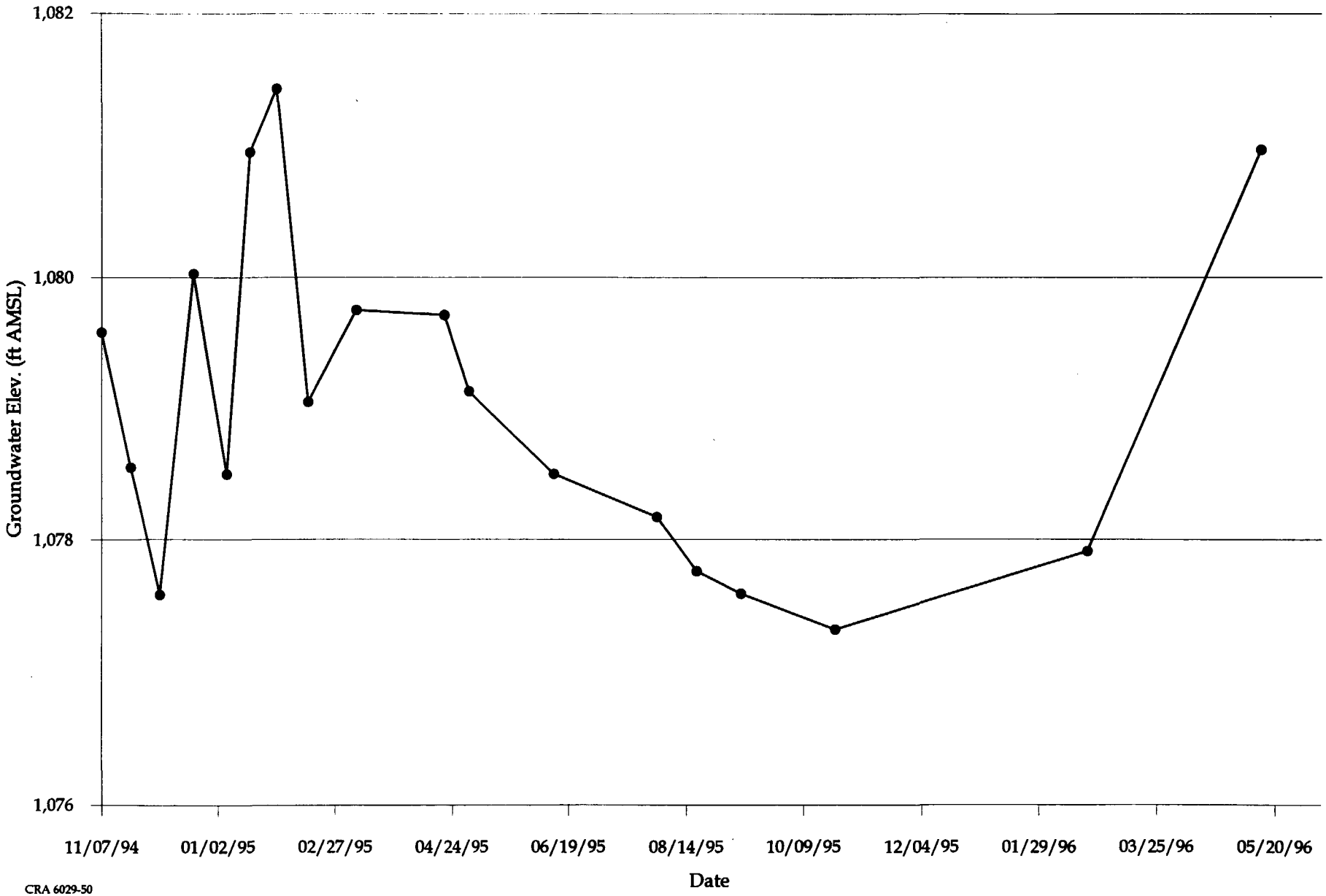
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-206
SUMMIT NATIONAL SUPERFUND SITE



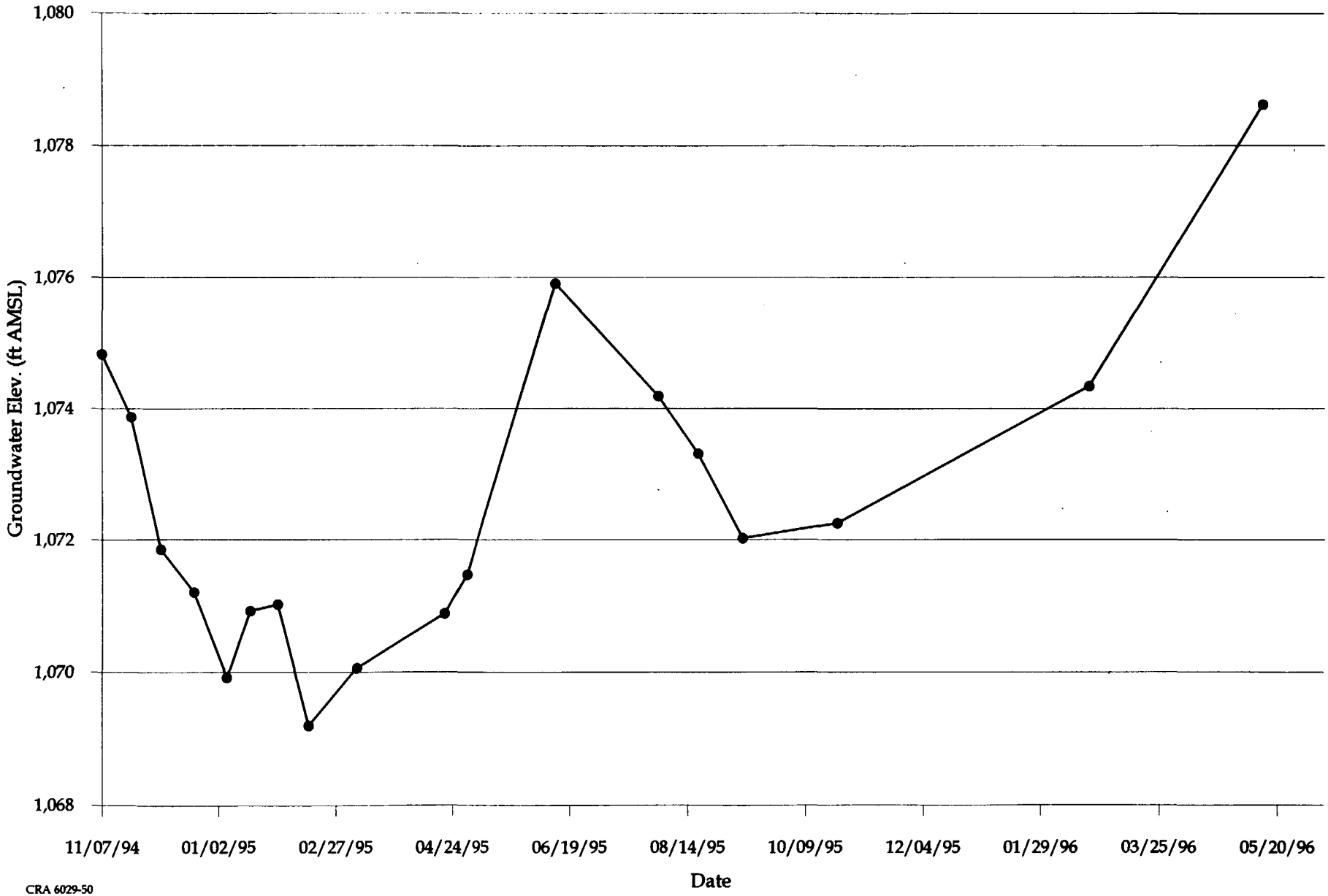
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-207
SUMMIT NATIONAL SUPERFUND SITE



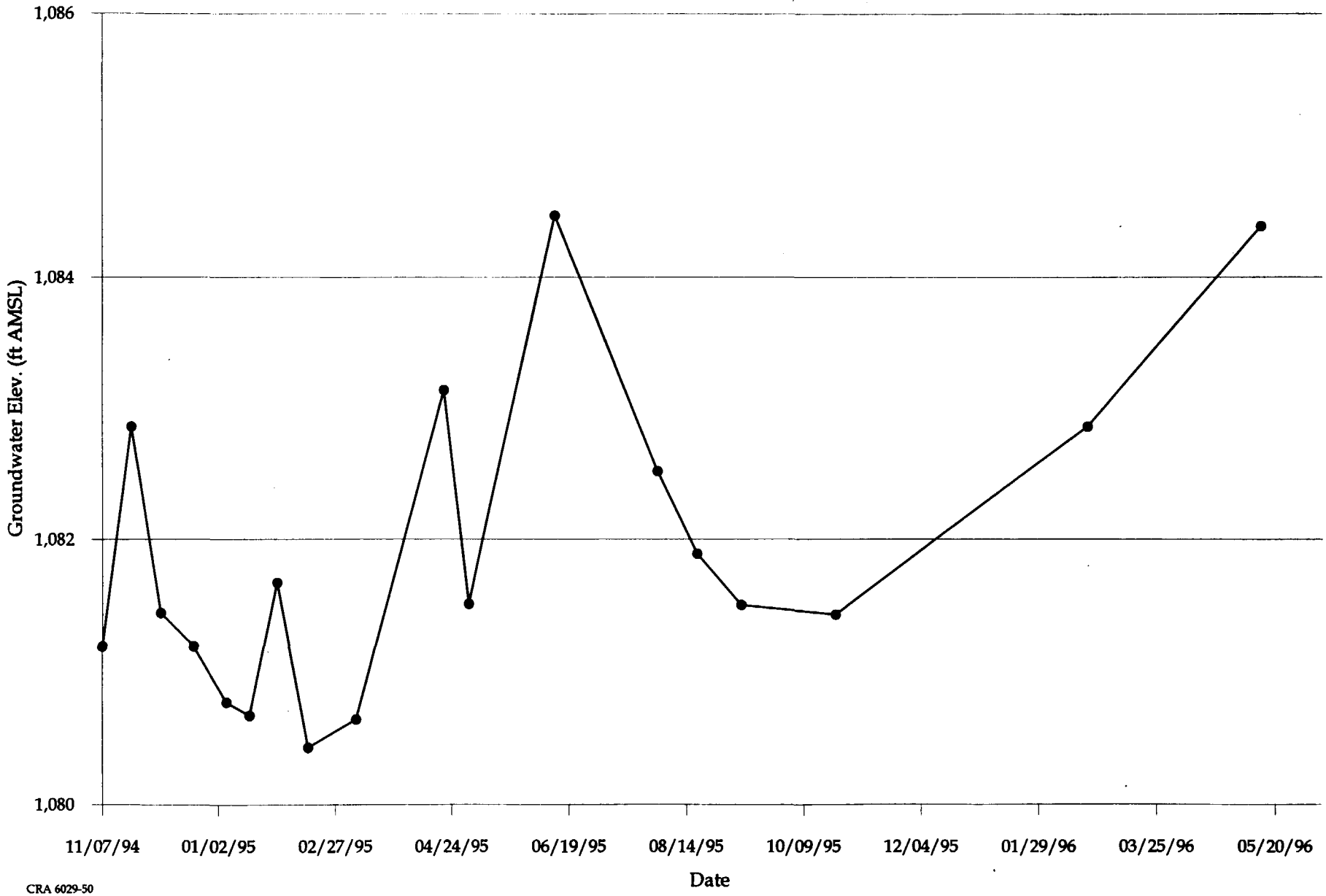
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-209
SUMMIT NATIONAL SUPERFUND SITE



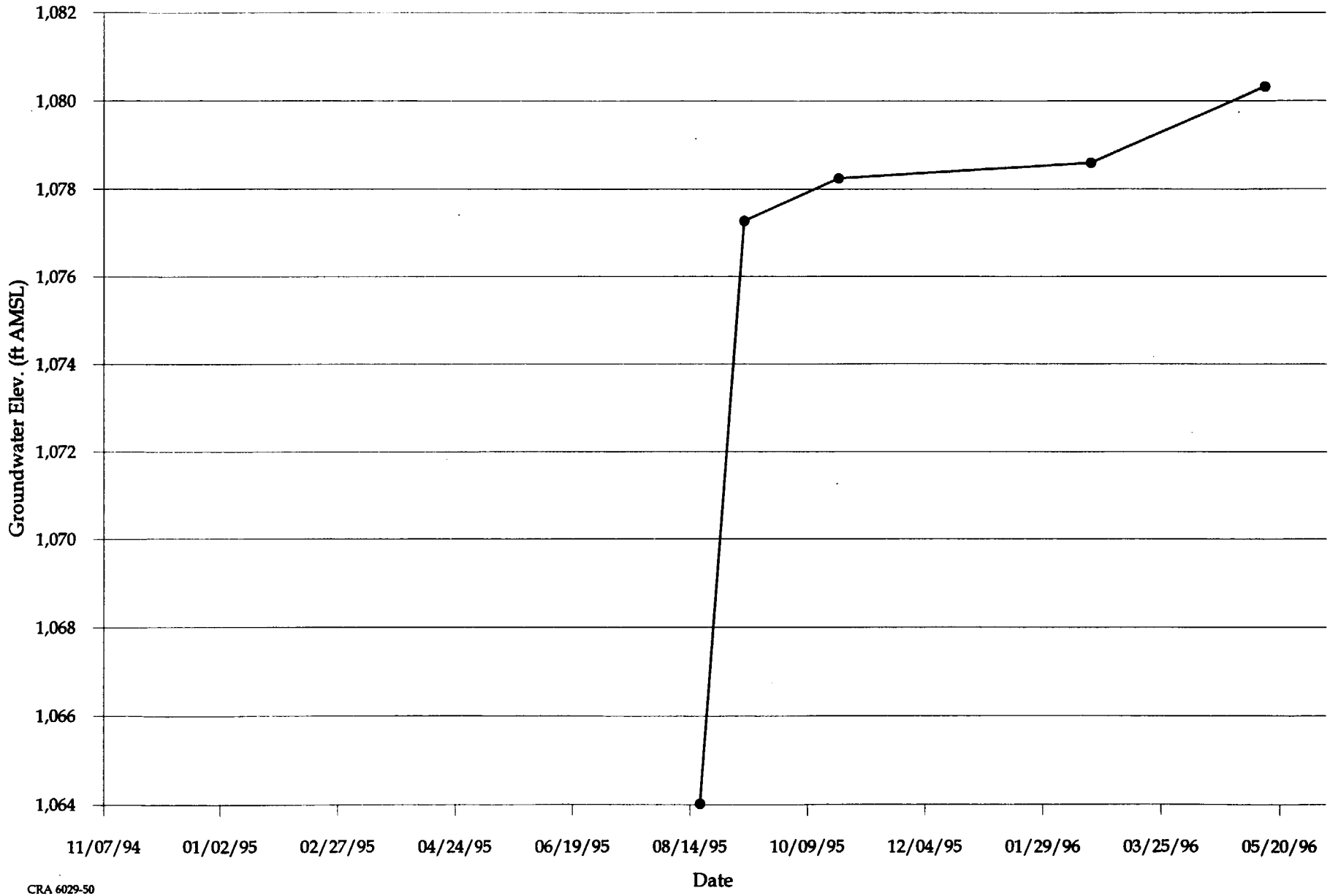
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-219
SUMMIT NATIONAL SUPERFUND SITE



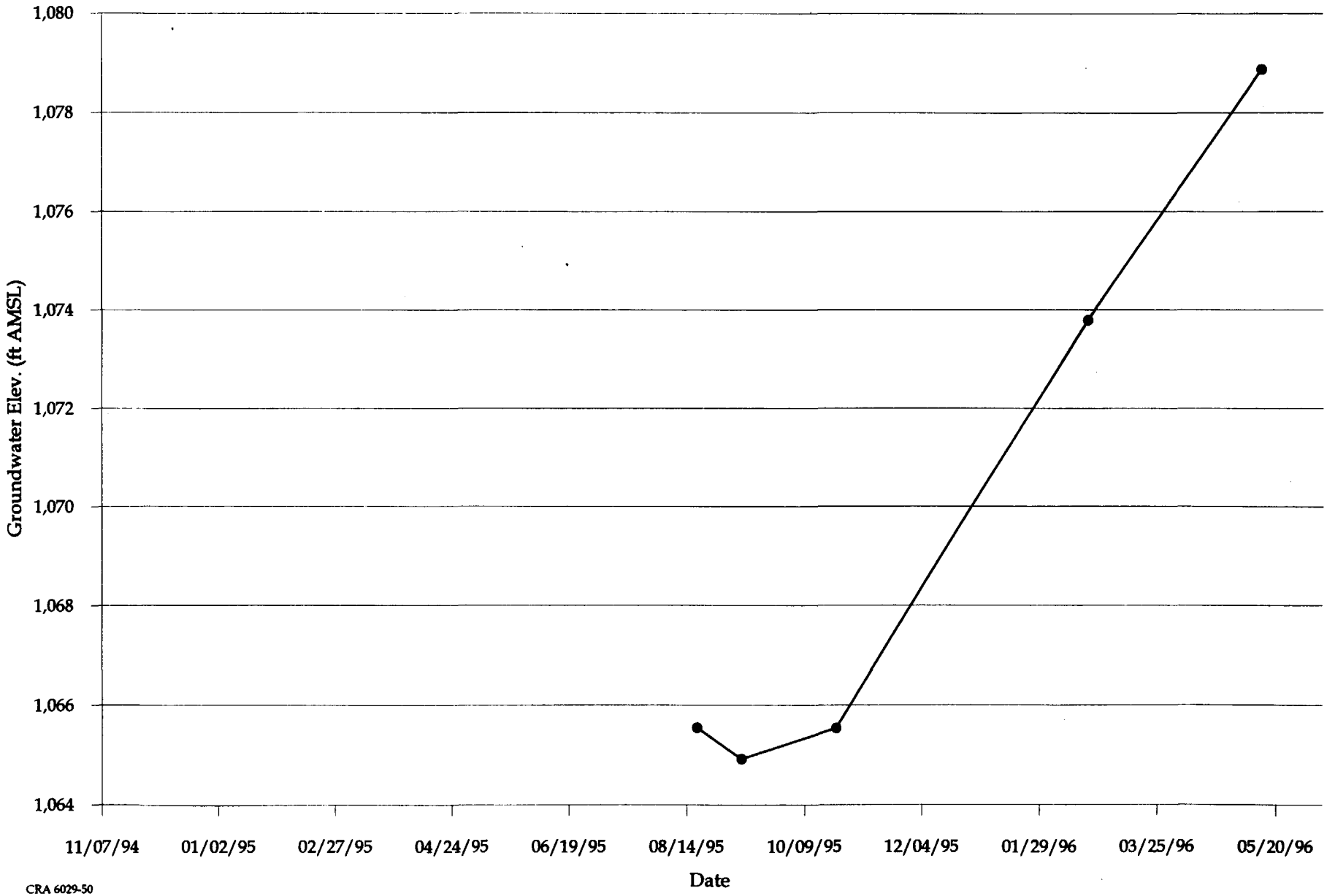
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-220
SUMMIT NATIONAL SUPERFUND SITE



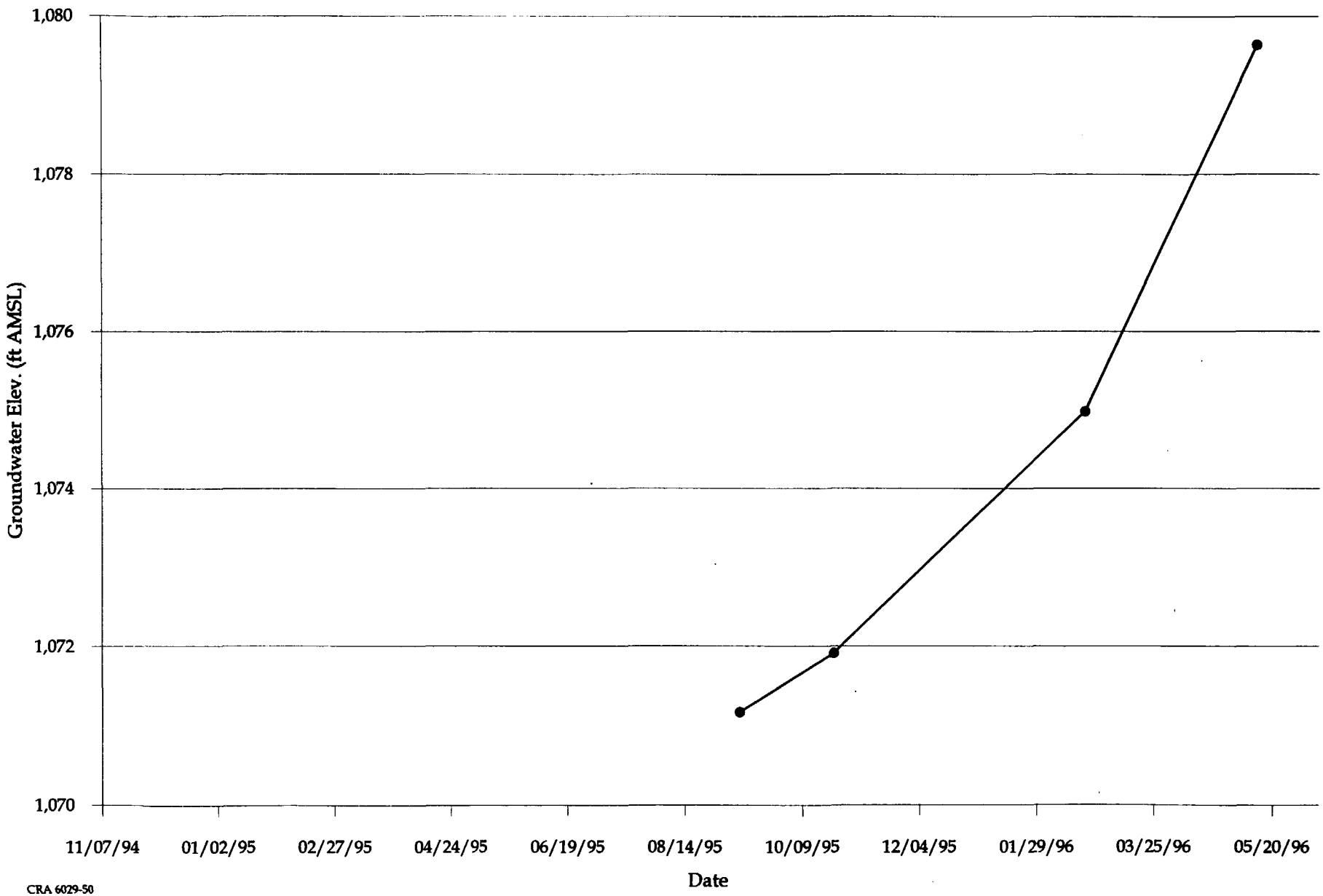
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-223
SUMMIT NATIONAL SUPERFUND SITE



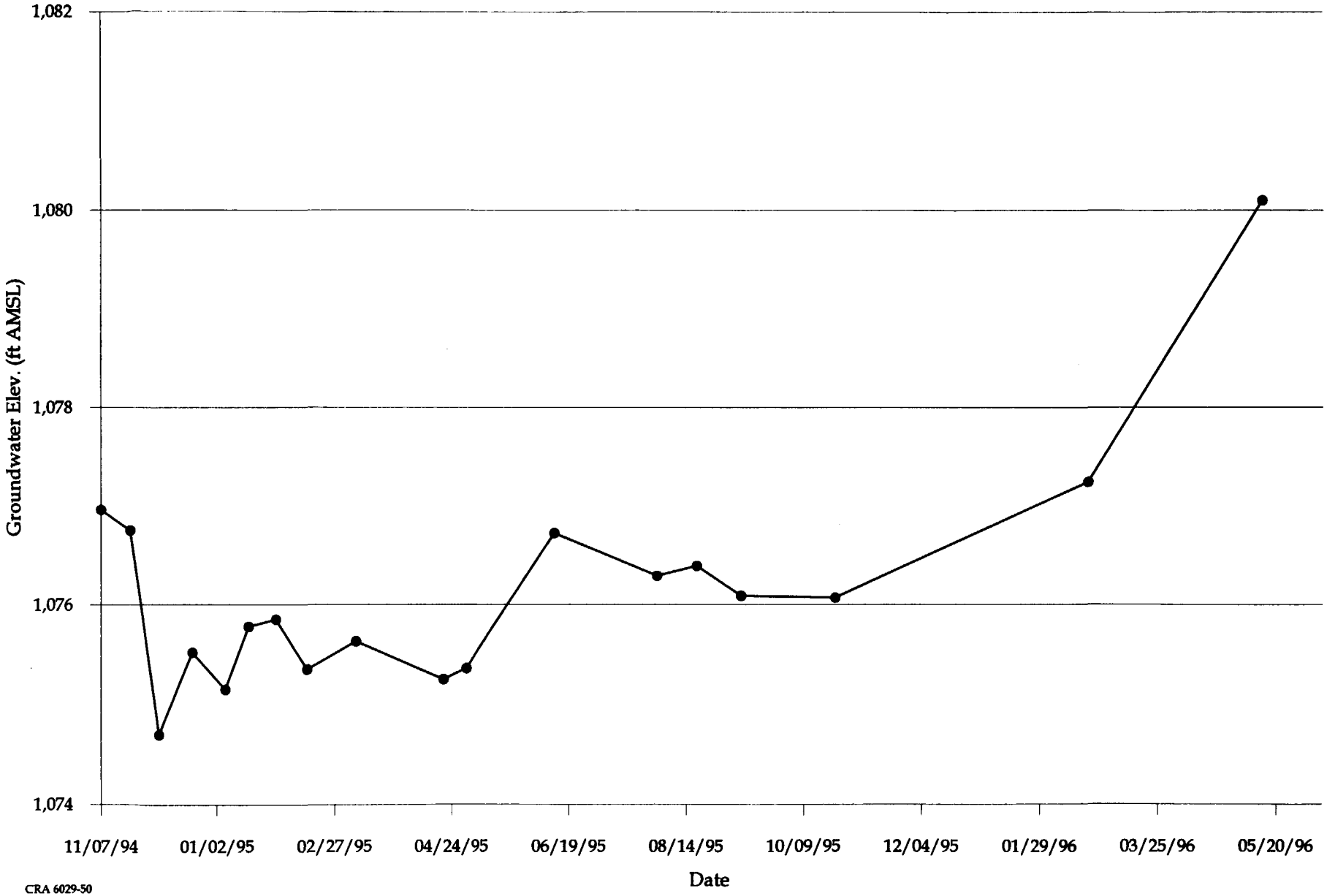
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: MW-224
SUMMIT NATIONAL SUPERFUND SITE



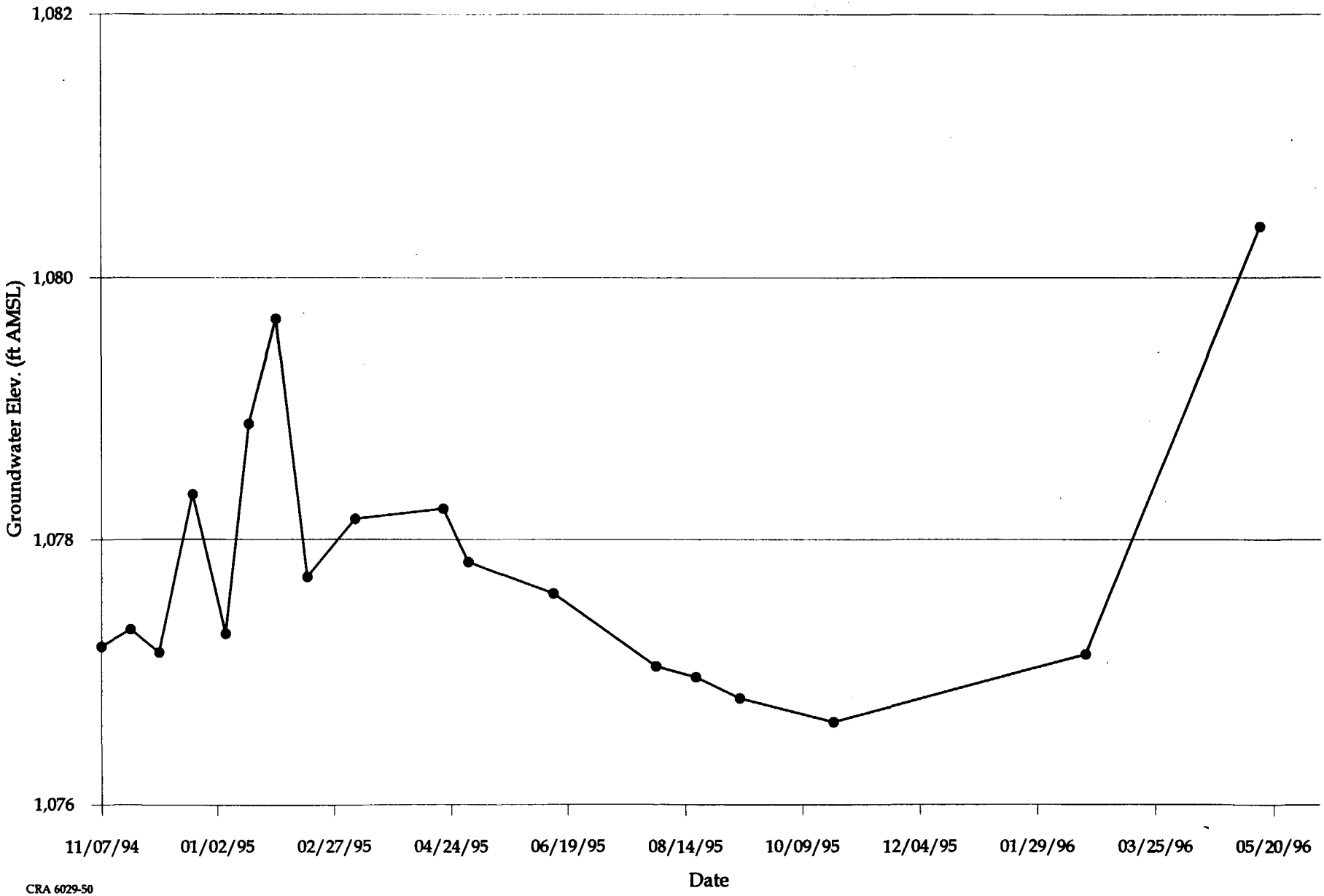
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: PZ-201
SUMMIT NATIONAL SUPERFUND SITE



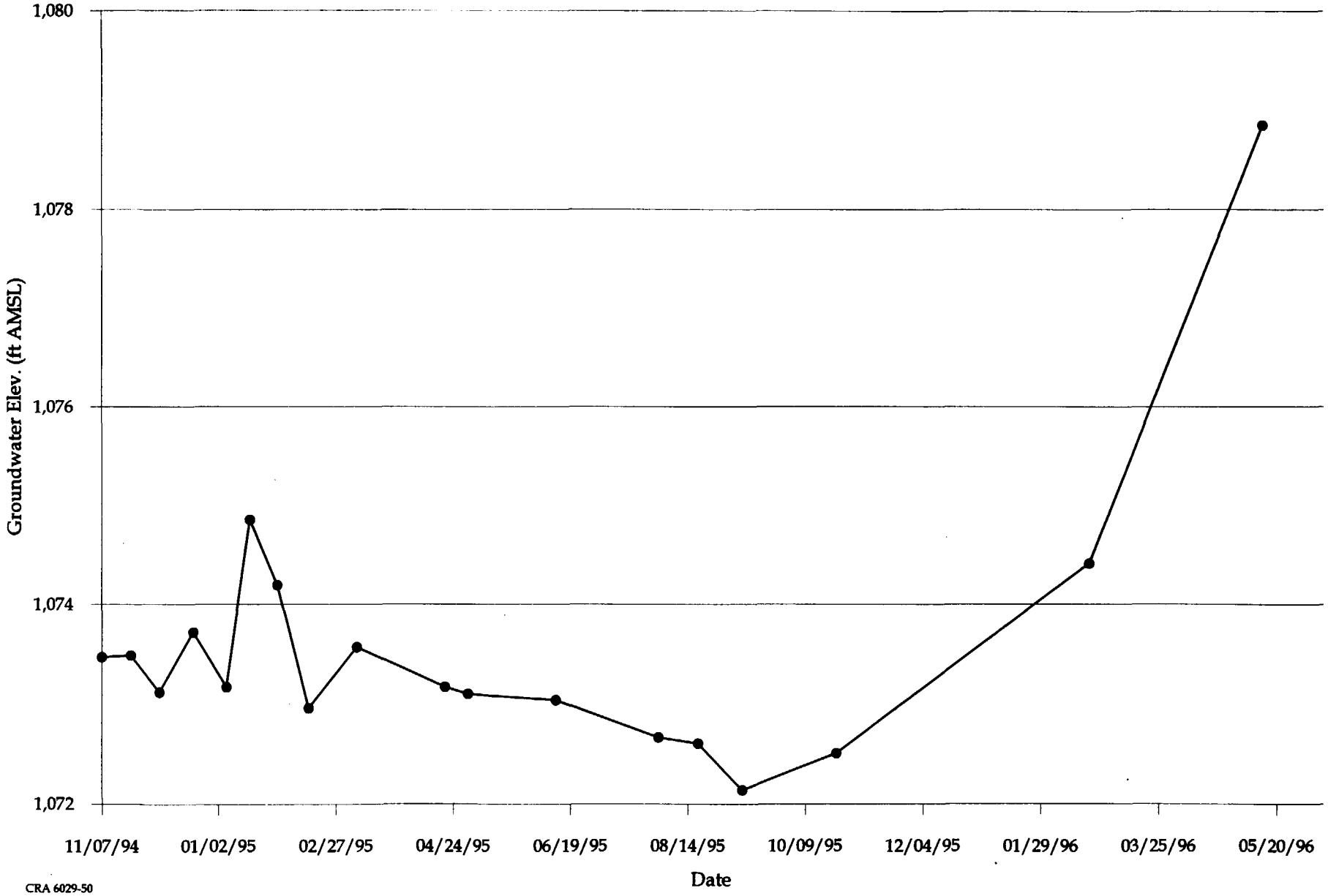
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: PZ-202
SUMMIT NATIONAL SUPERFUND SITE



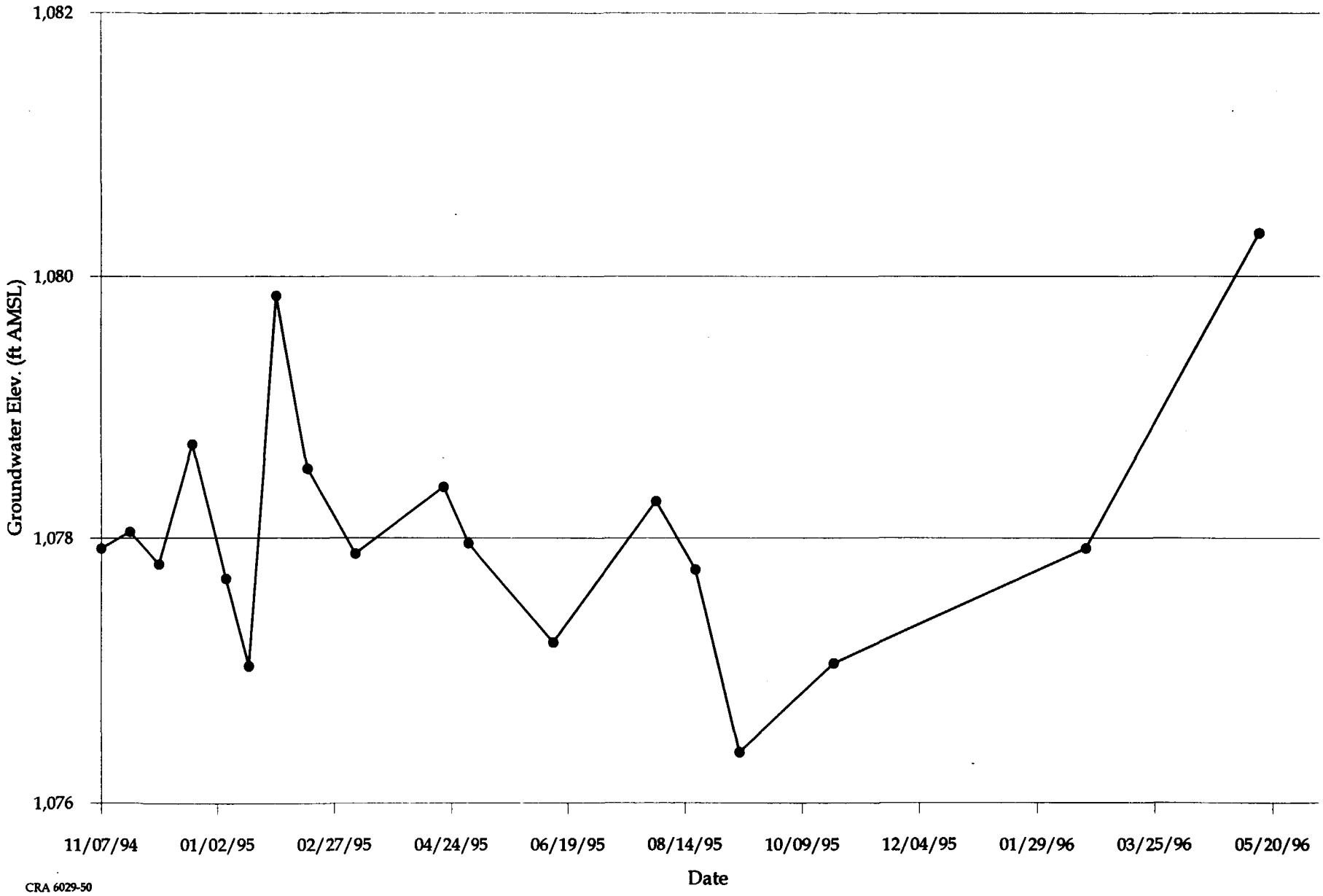
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: PZ-203
SUMMIT NATIONAL SUPERFUND SITE



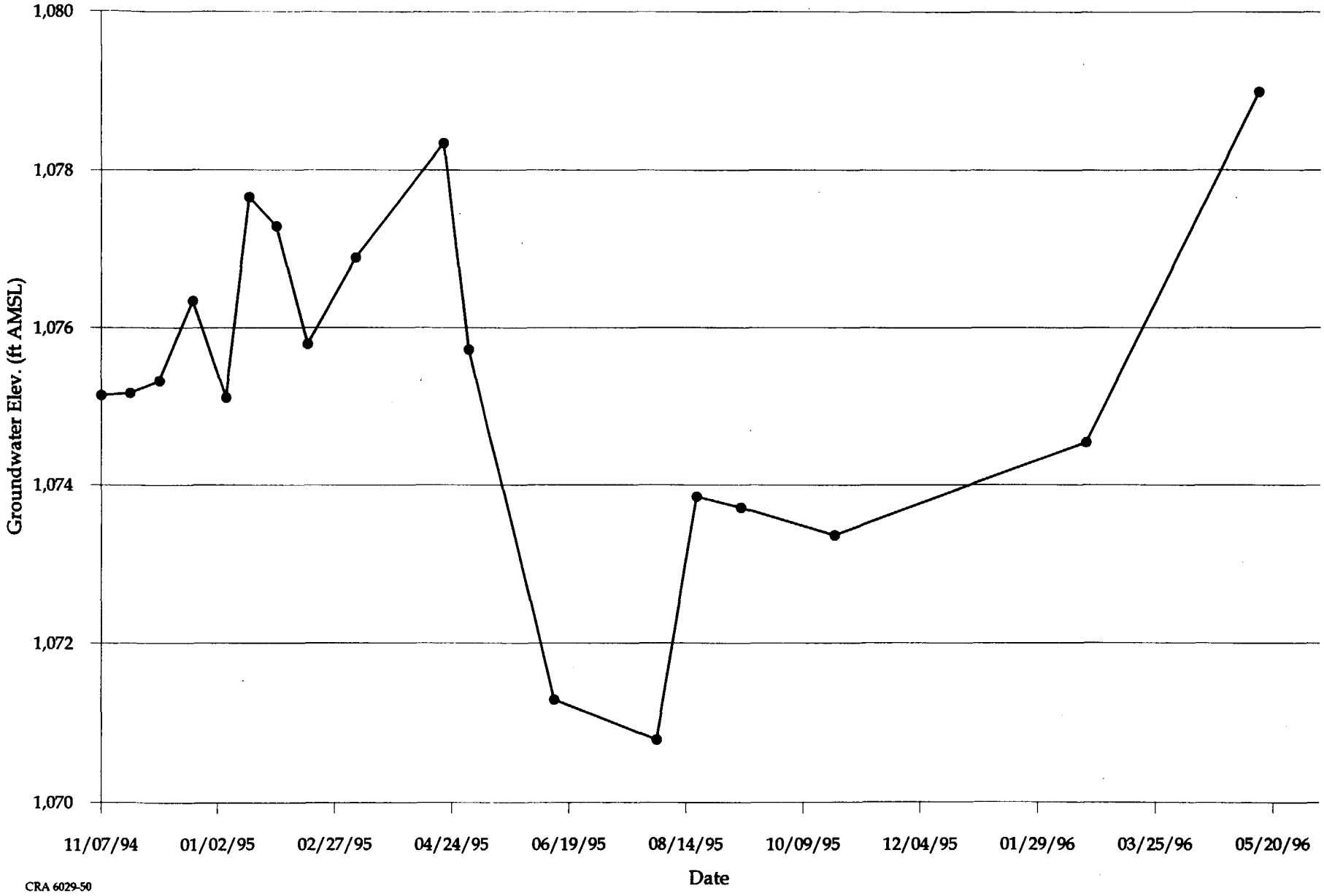
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: PZ-204
SUMMIT NATIONAL SUPERFUND SITE



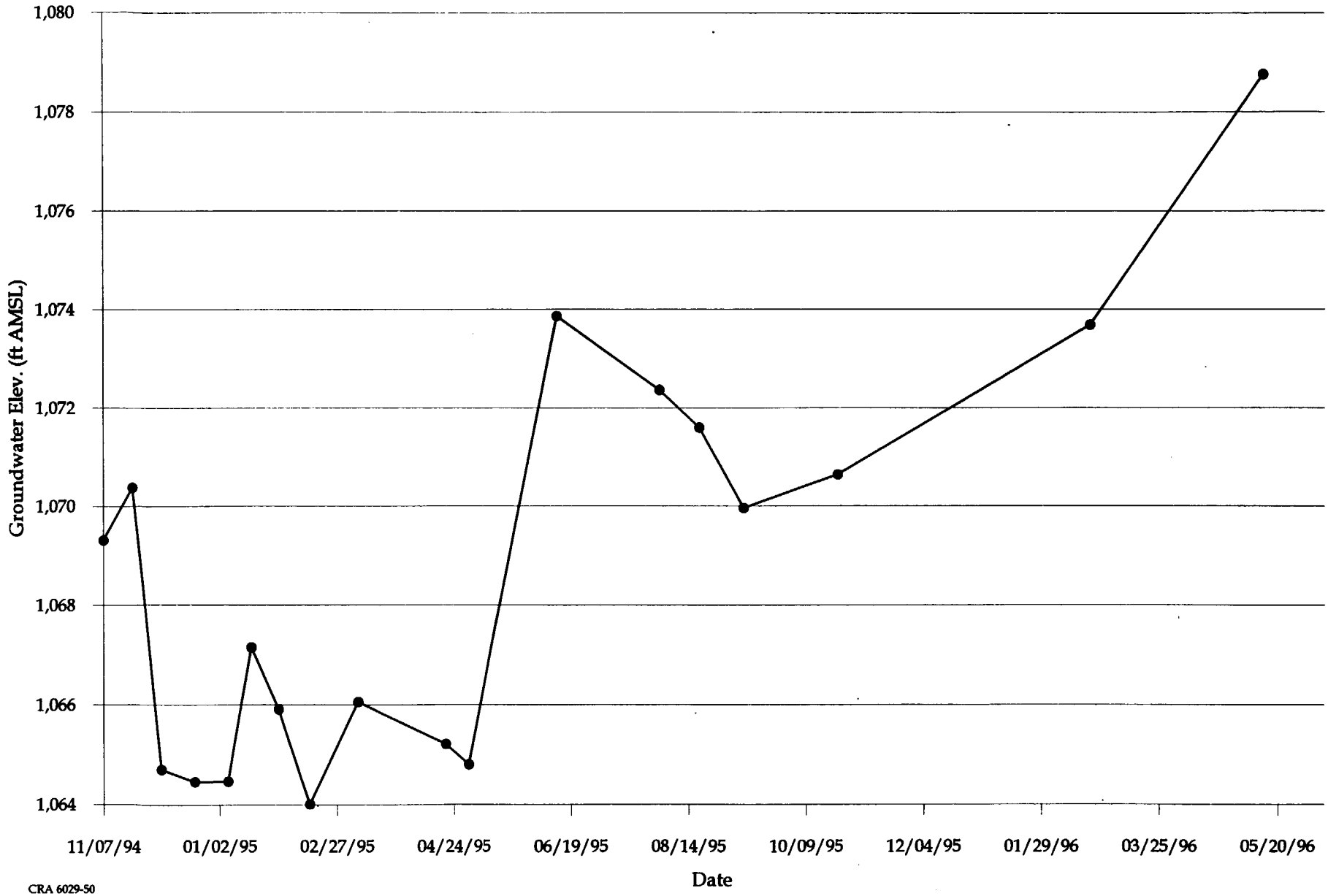
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: PZ-205
SUMMIT NATIONAL SUPERFUND SITE



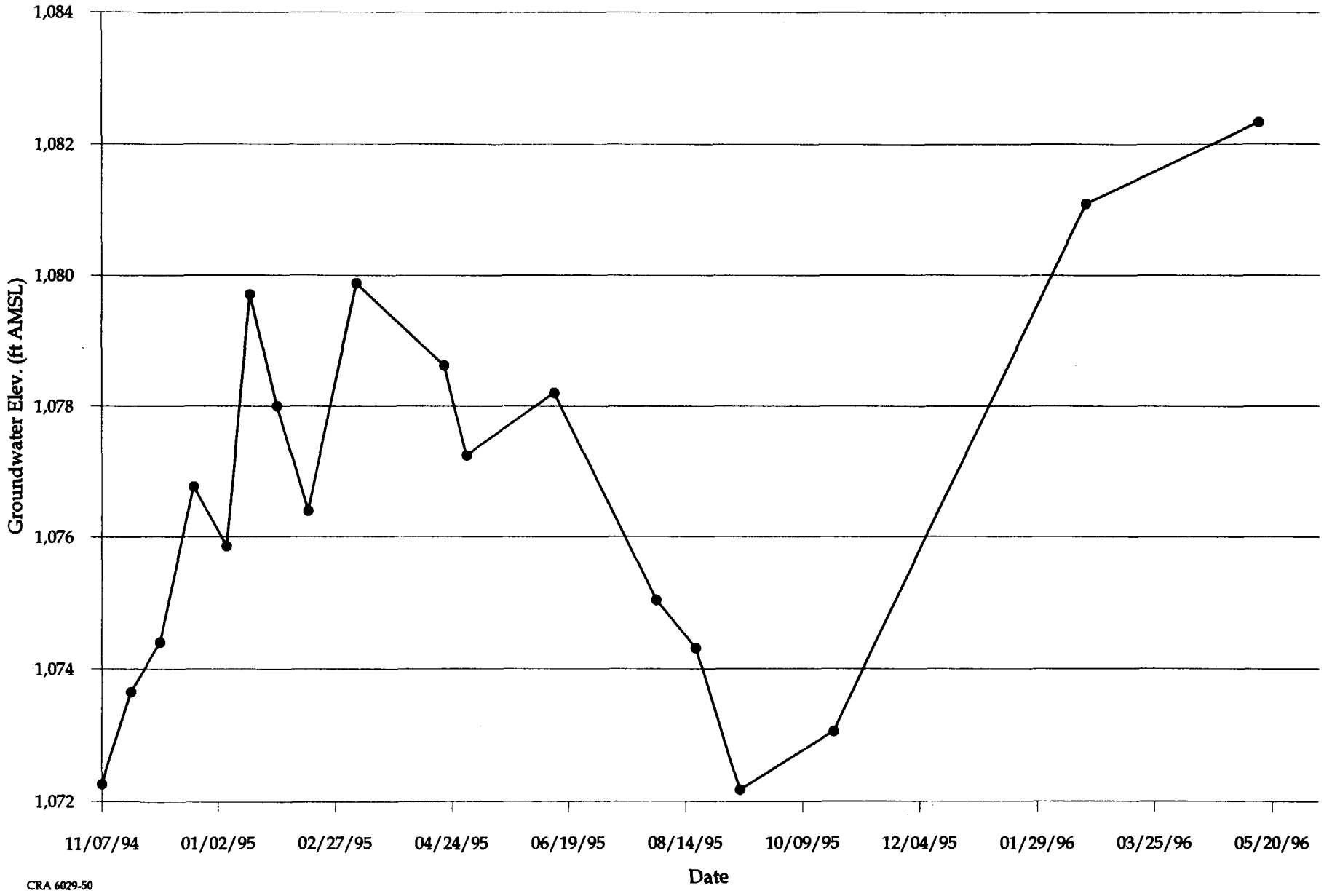
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: PZ-206
SUMMIT NATIONAL SUPERFUND SITE



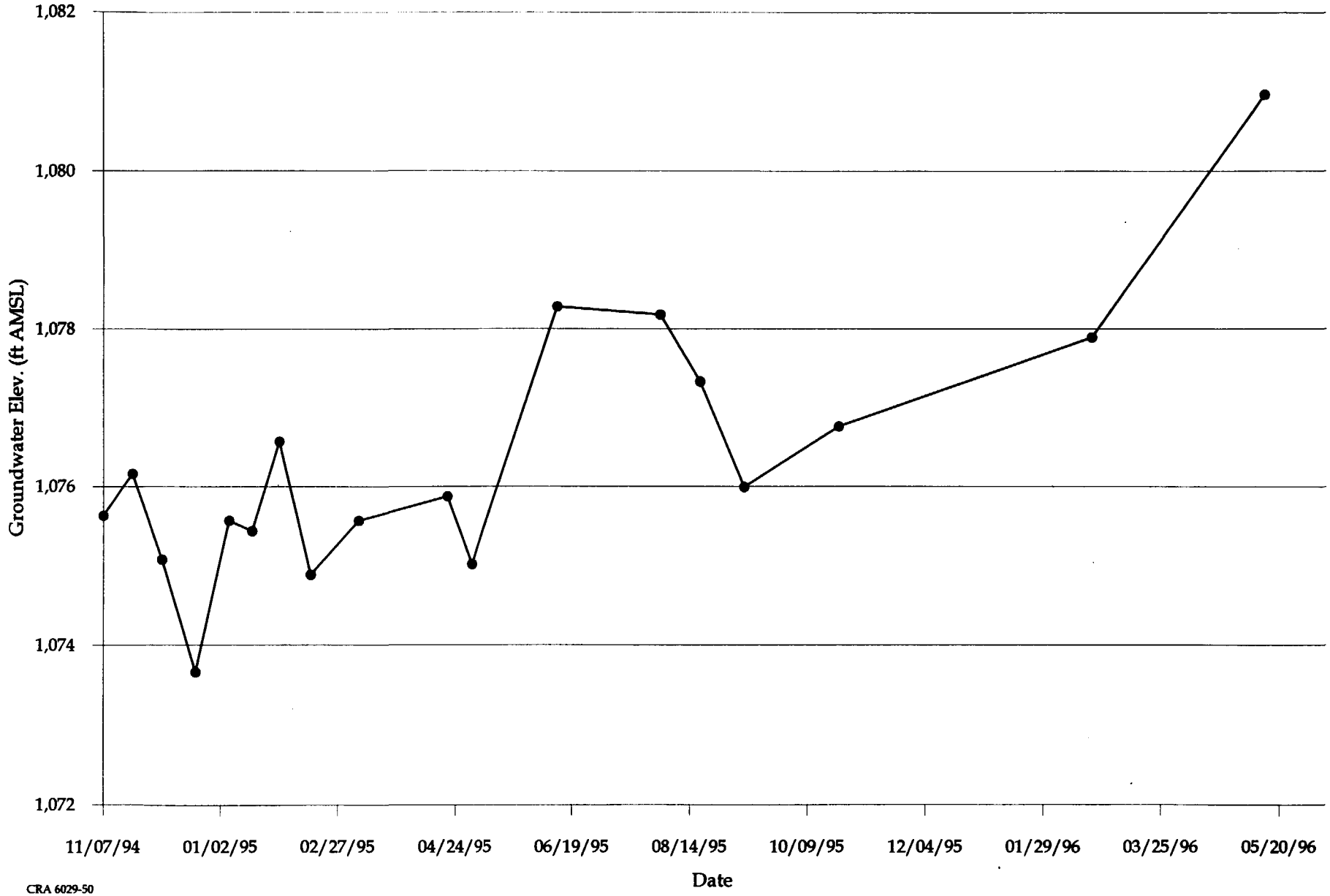
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER INTERMEDIATE UNIT: PZ-207
SUMMIT NATIONAL SUPERFUND SITE



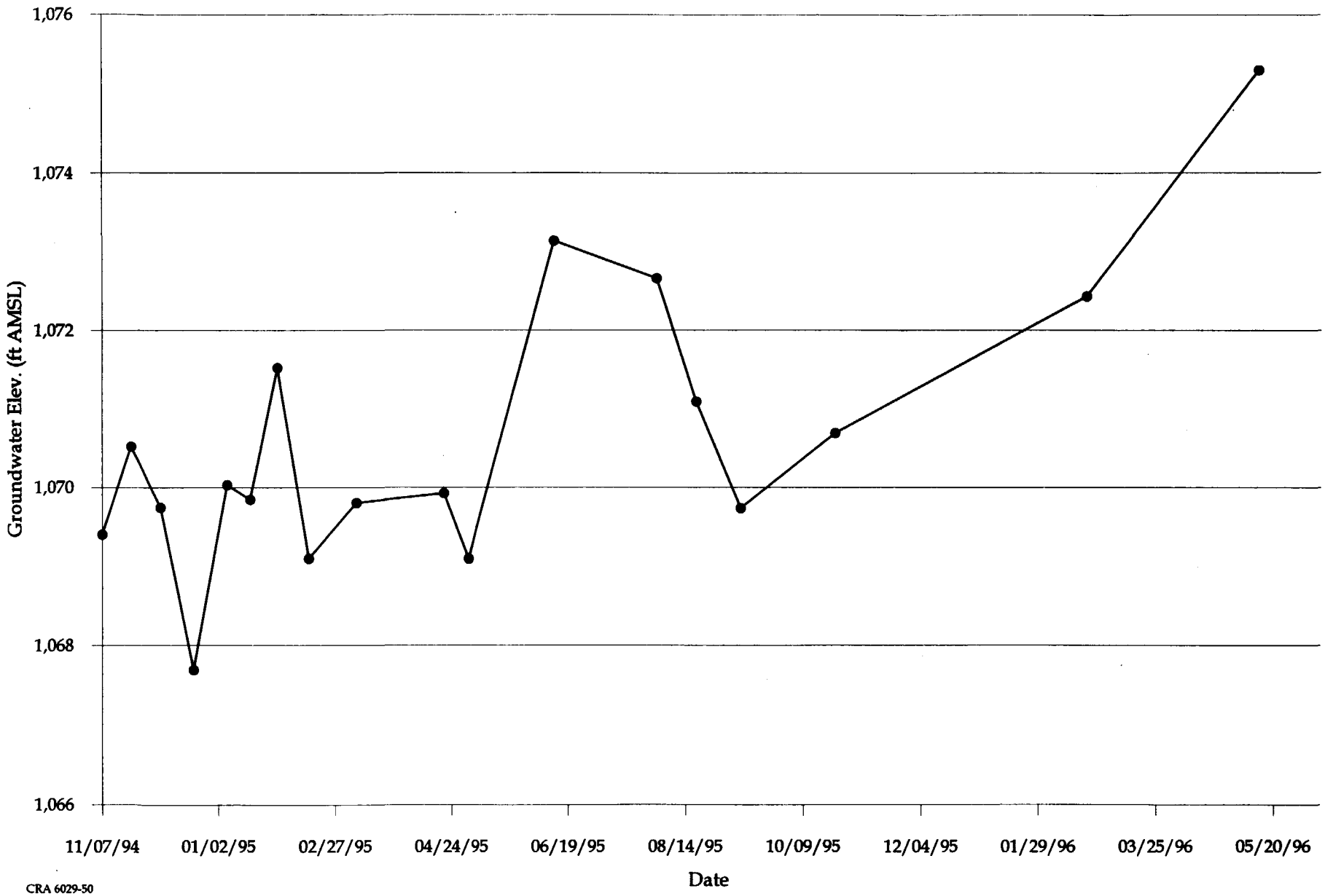
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-301
SUMMIT NATIONAL SUPERFUND SITE



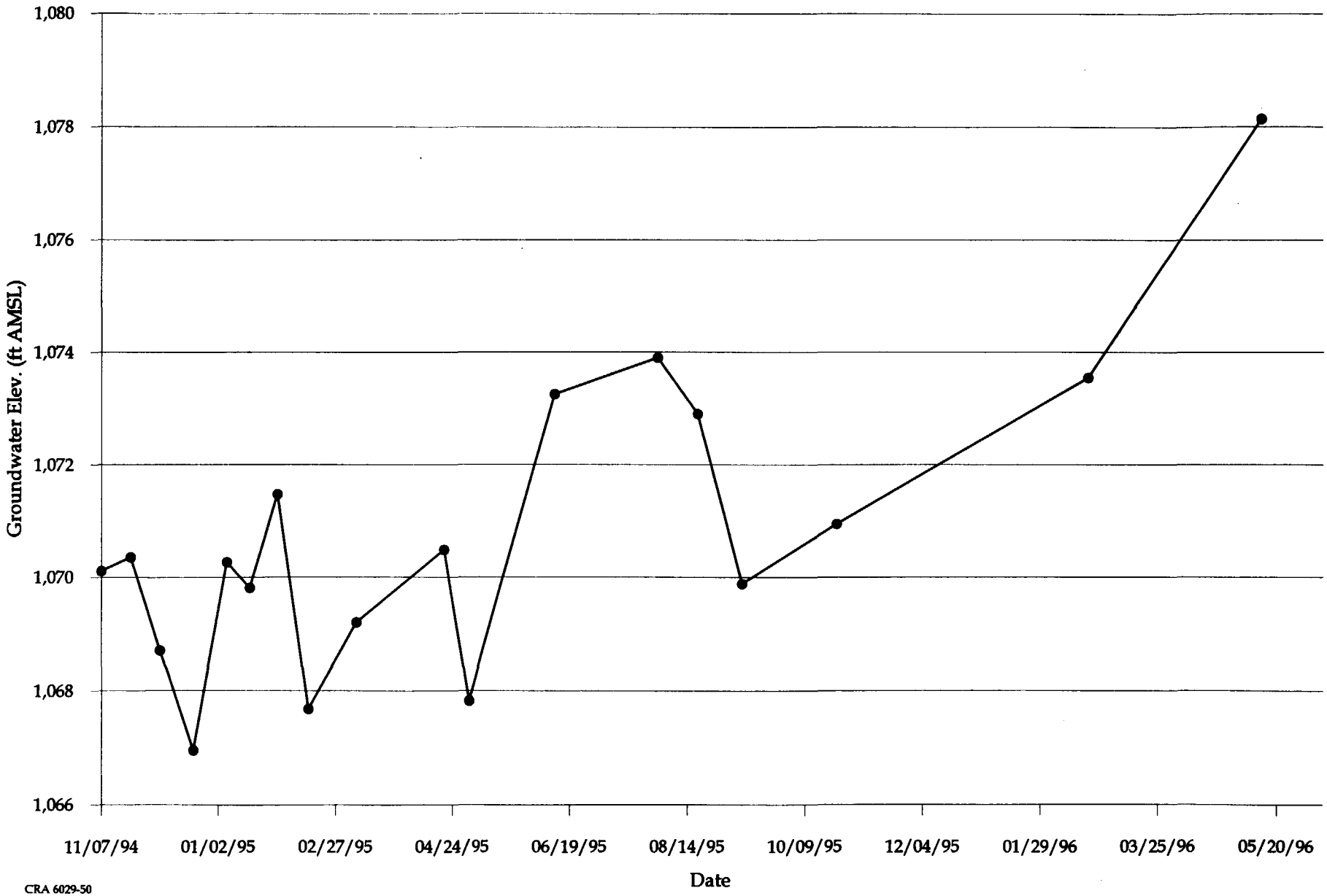
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-302
SUMMIT NATIONAL SUPERFUND SITE



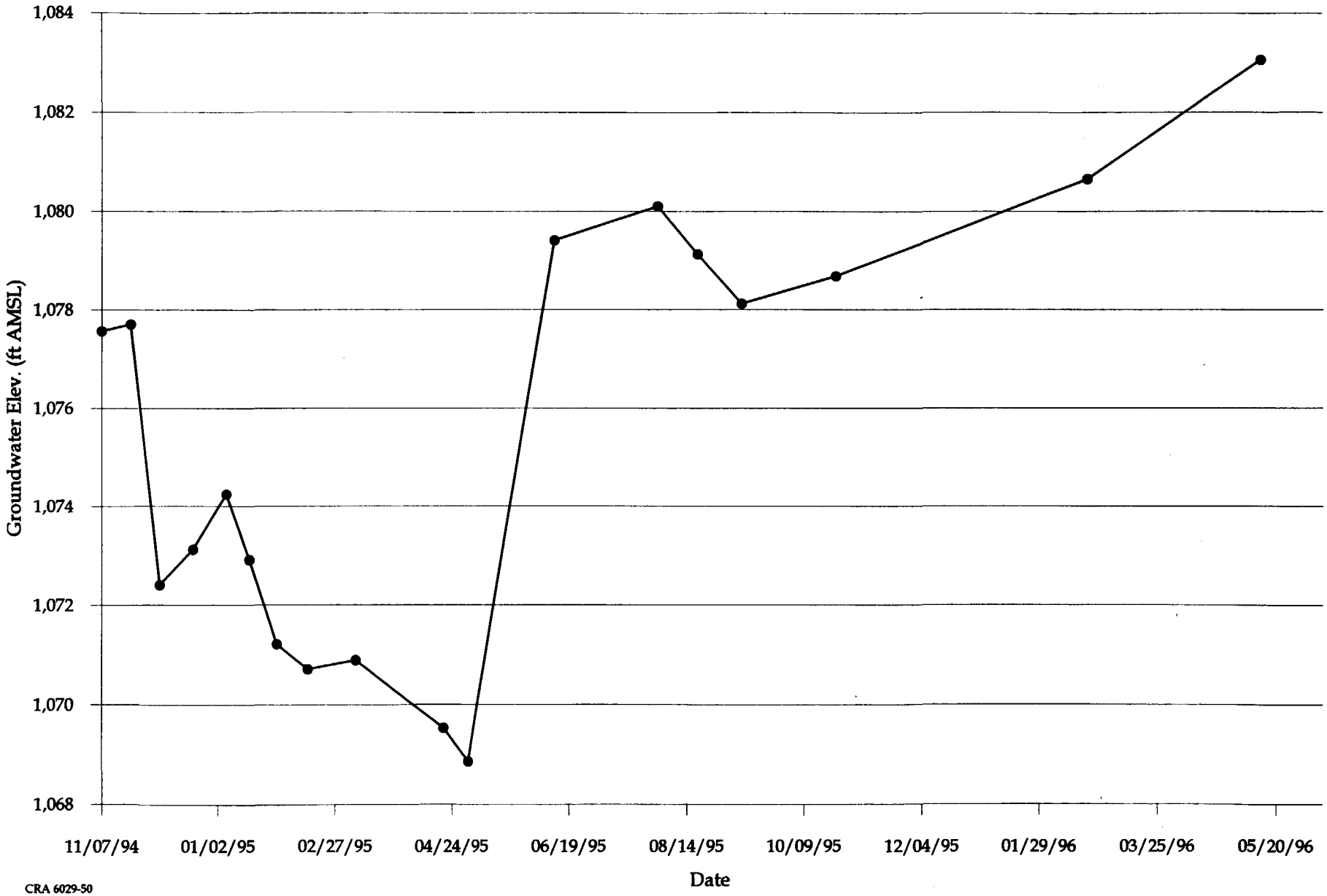
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-303
SUMMIT NATIONAL SUPERFUND SITE



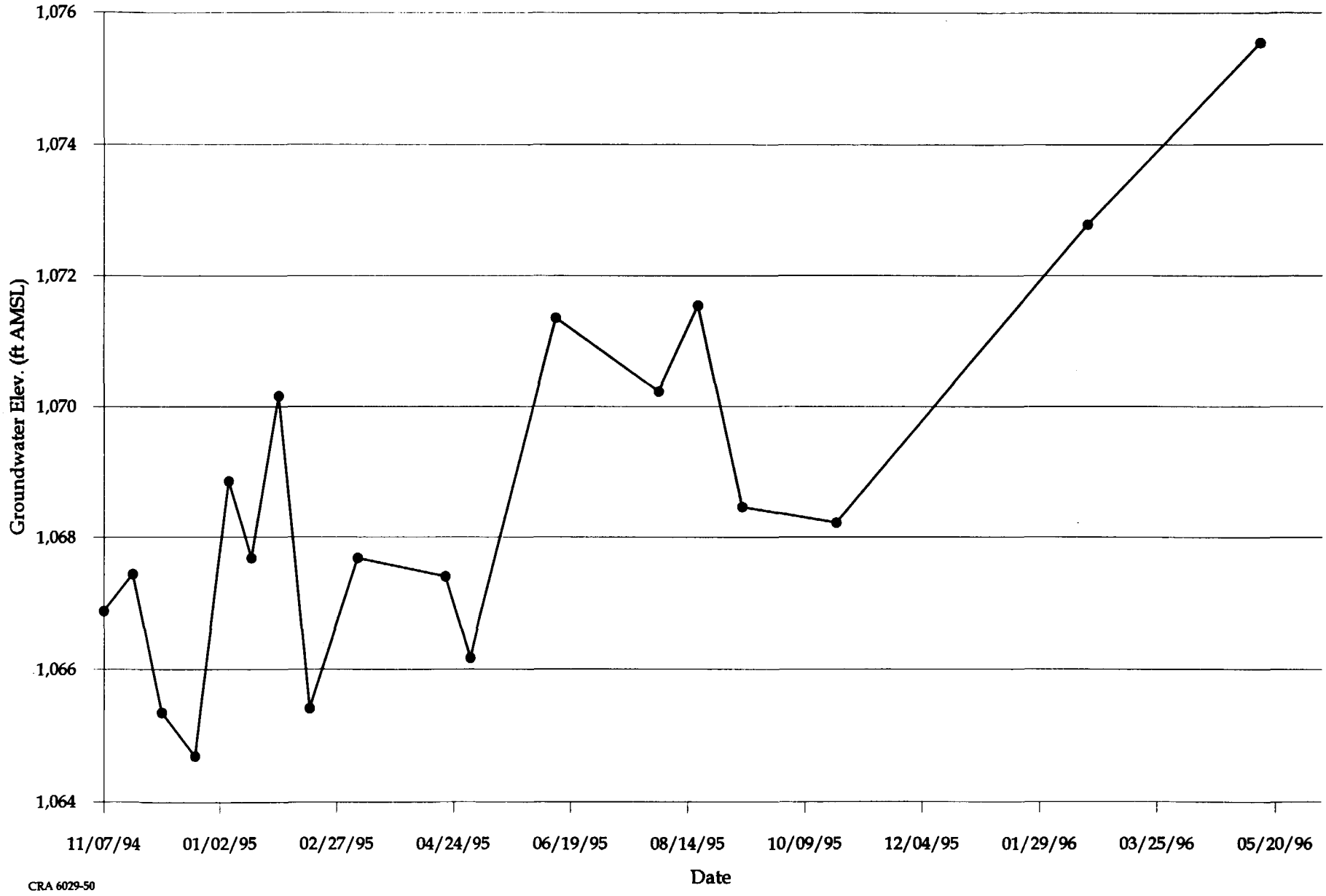
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-304
SUMMIT NATIONAL SUPERFUND SITE



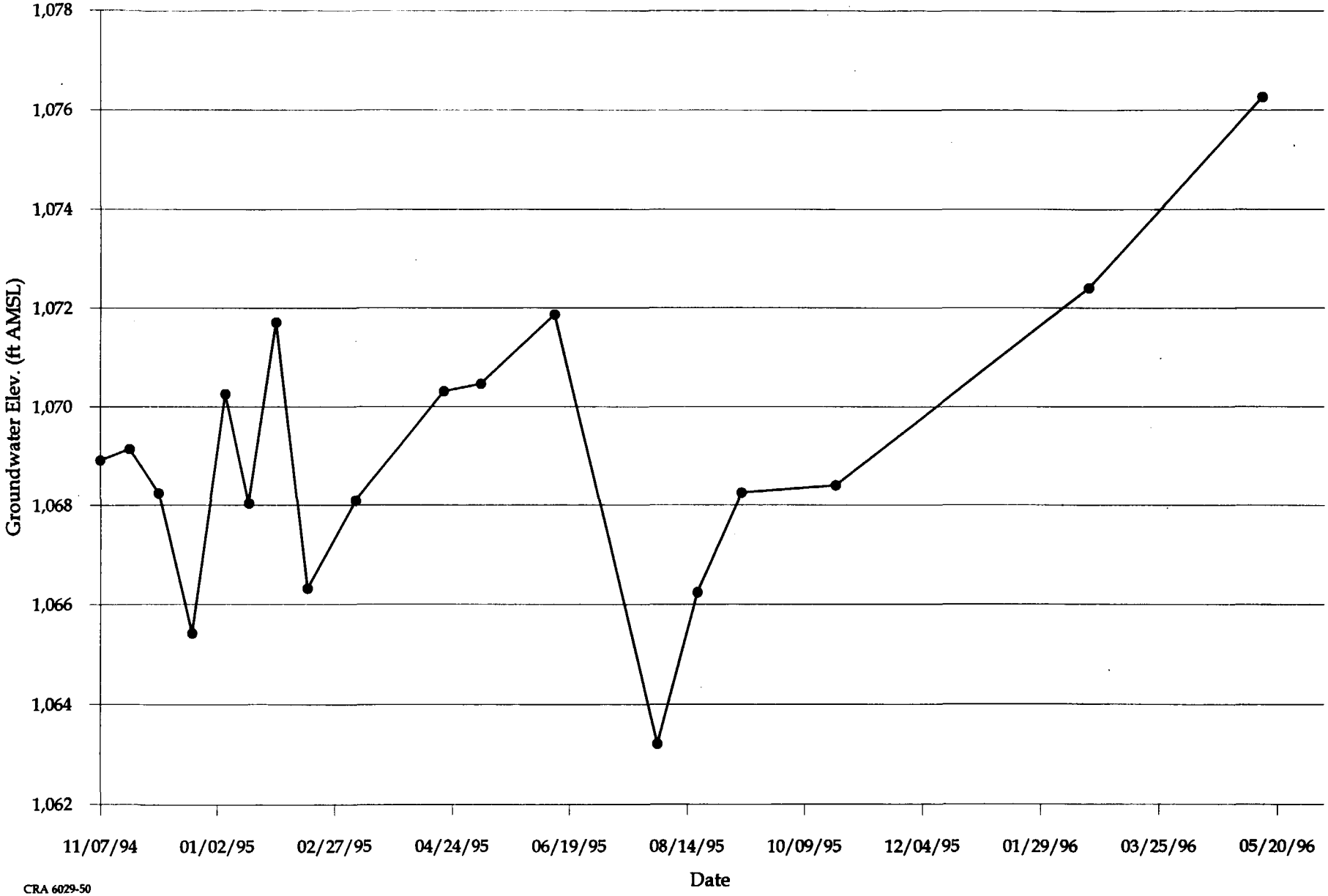
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-305
SUMMIT NATIONAL SUPERFUND SITE



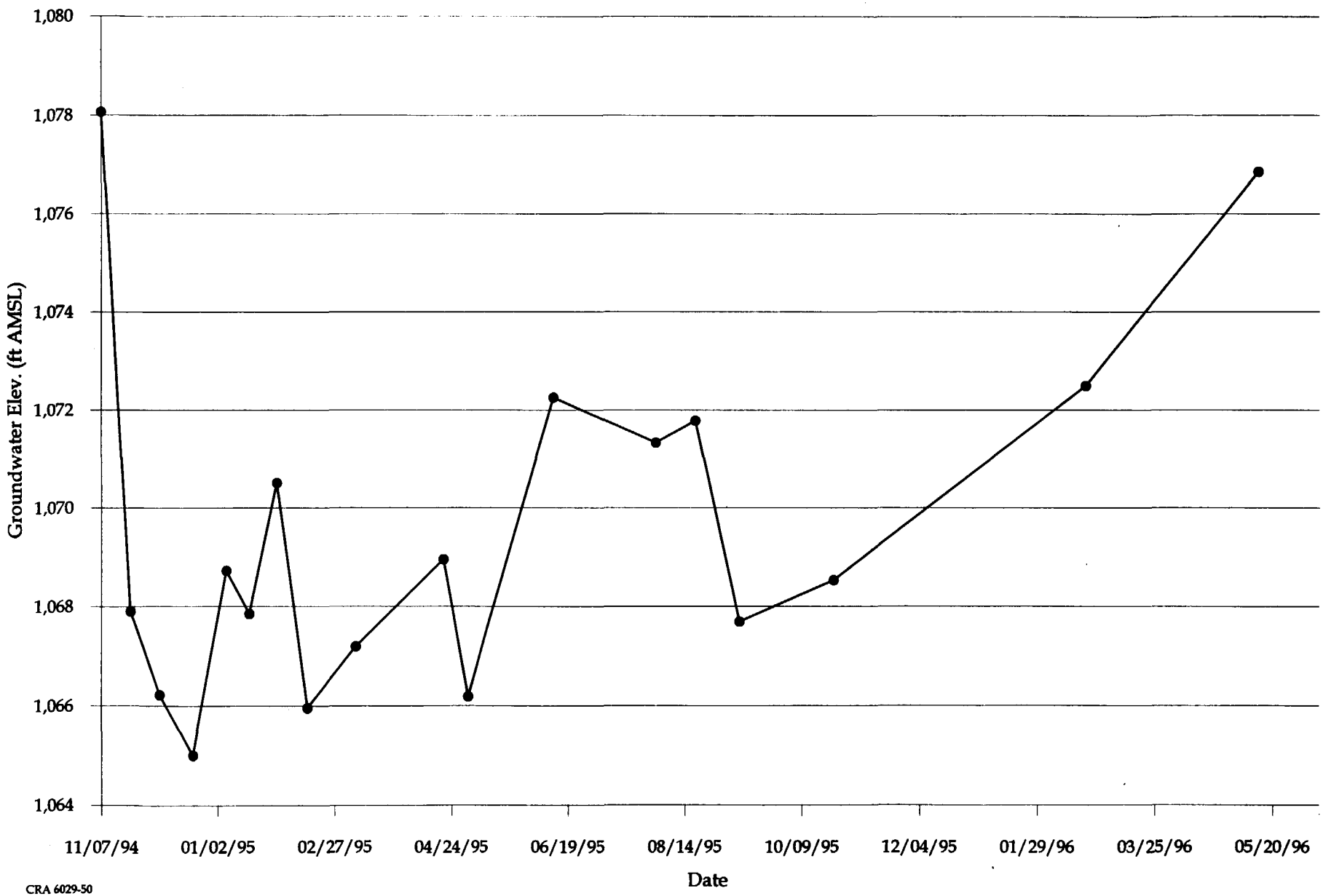
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-306
SUMMIT NATIONAL SUPERFUND SITE



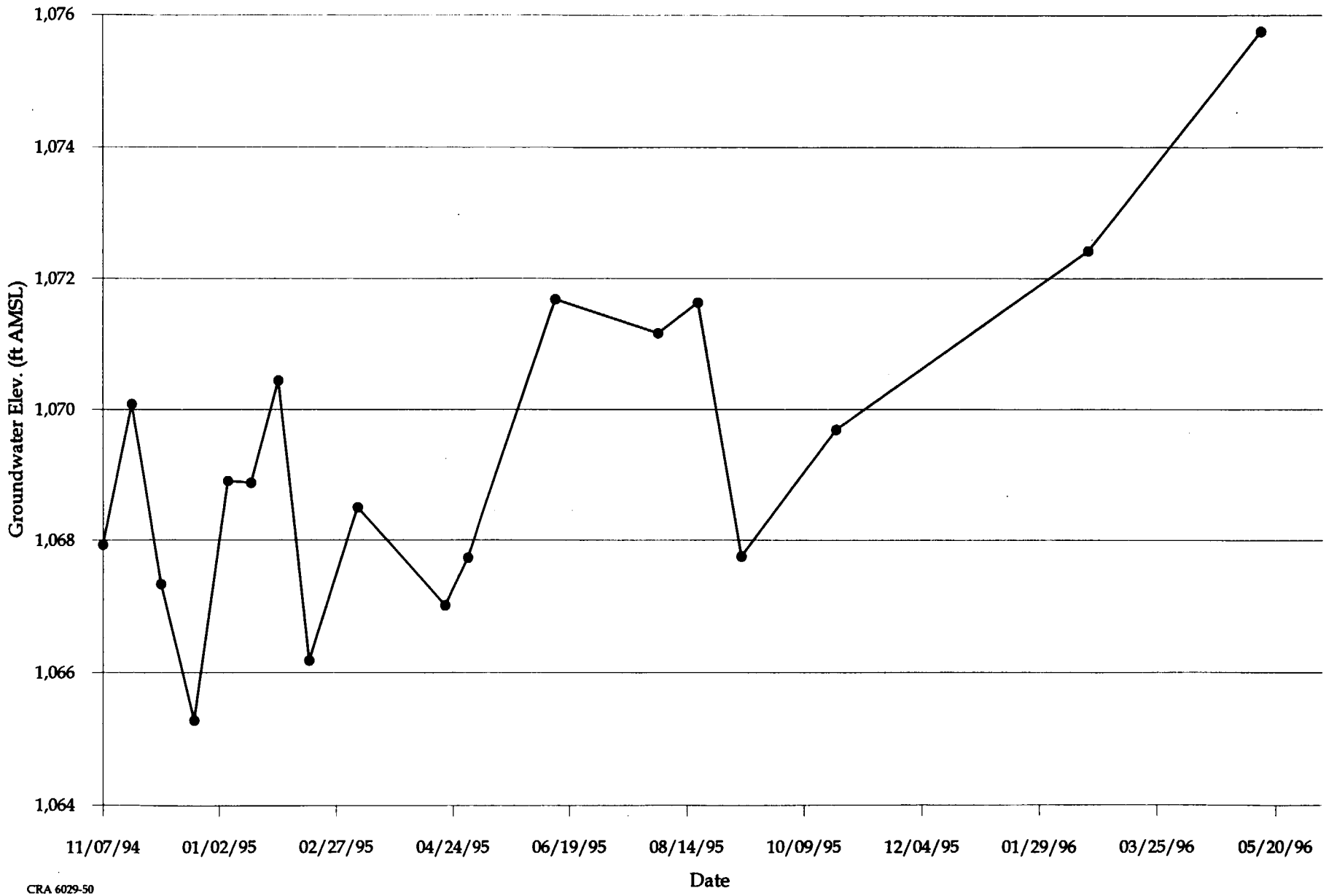
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-307
SUMMIT NATIONAL SUPERFUND SITE



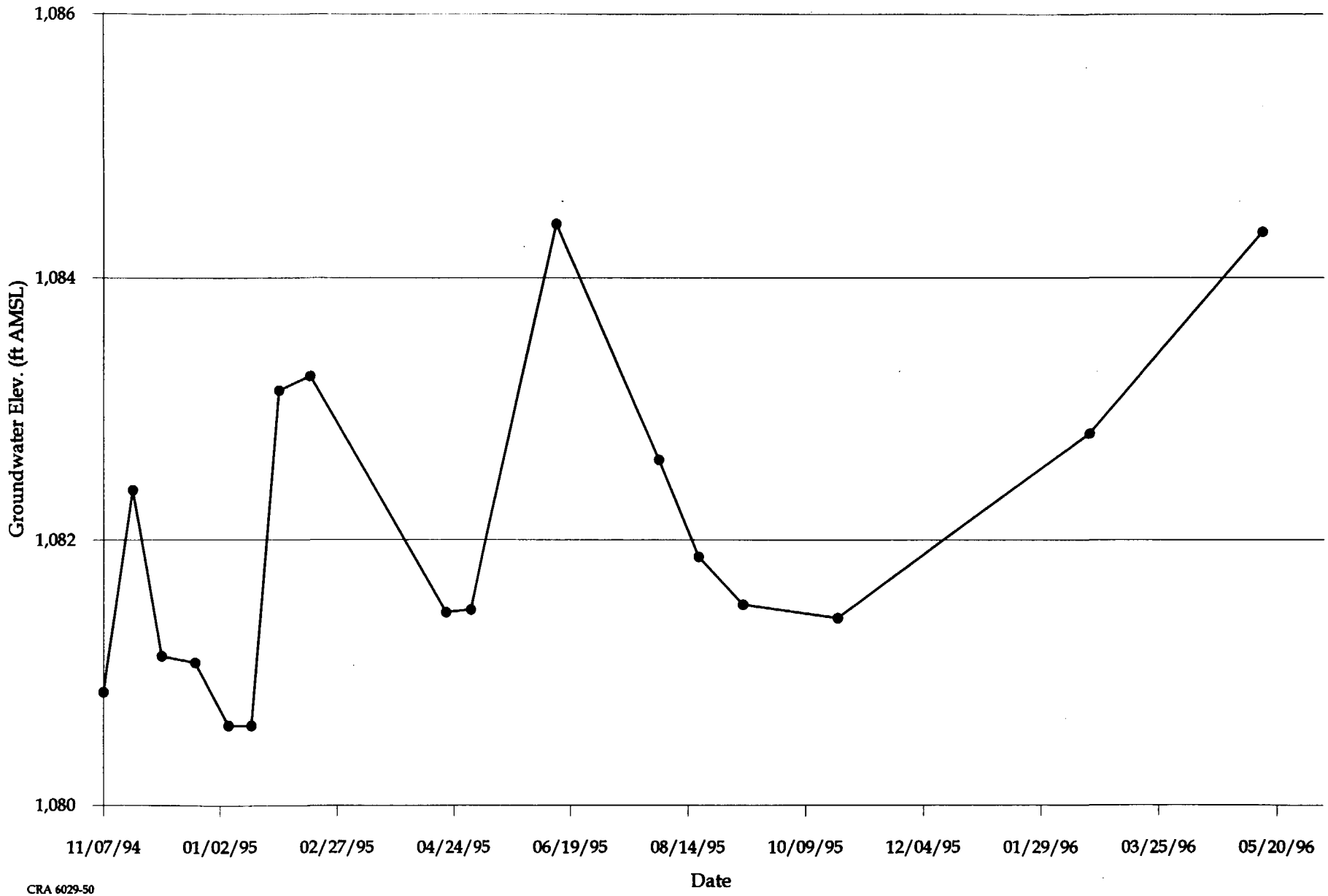
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-309
SUMMIT NATIONAL SUPERFUND SITE



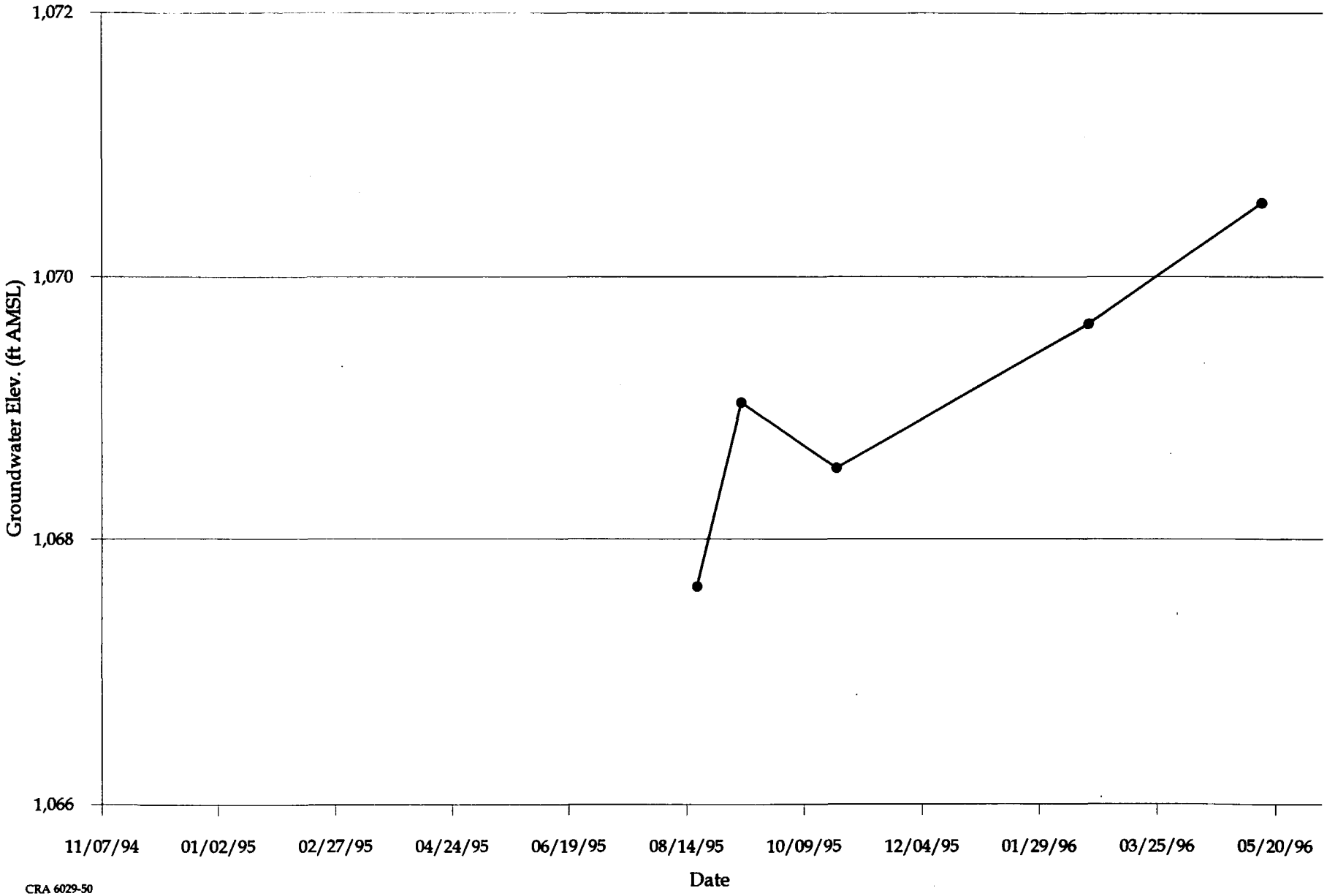
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-319
SUMMIT NATIONAL SUPERFUND SITE



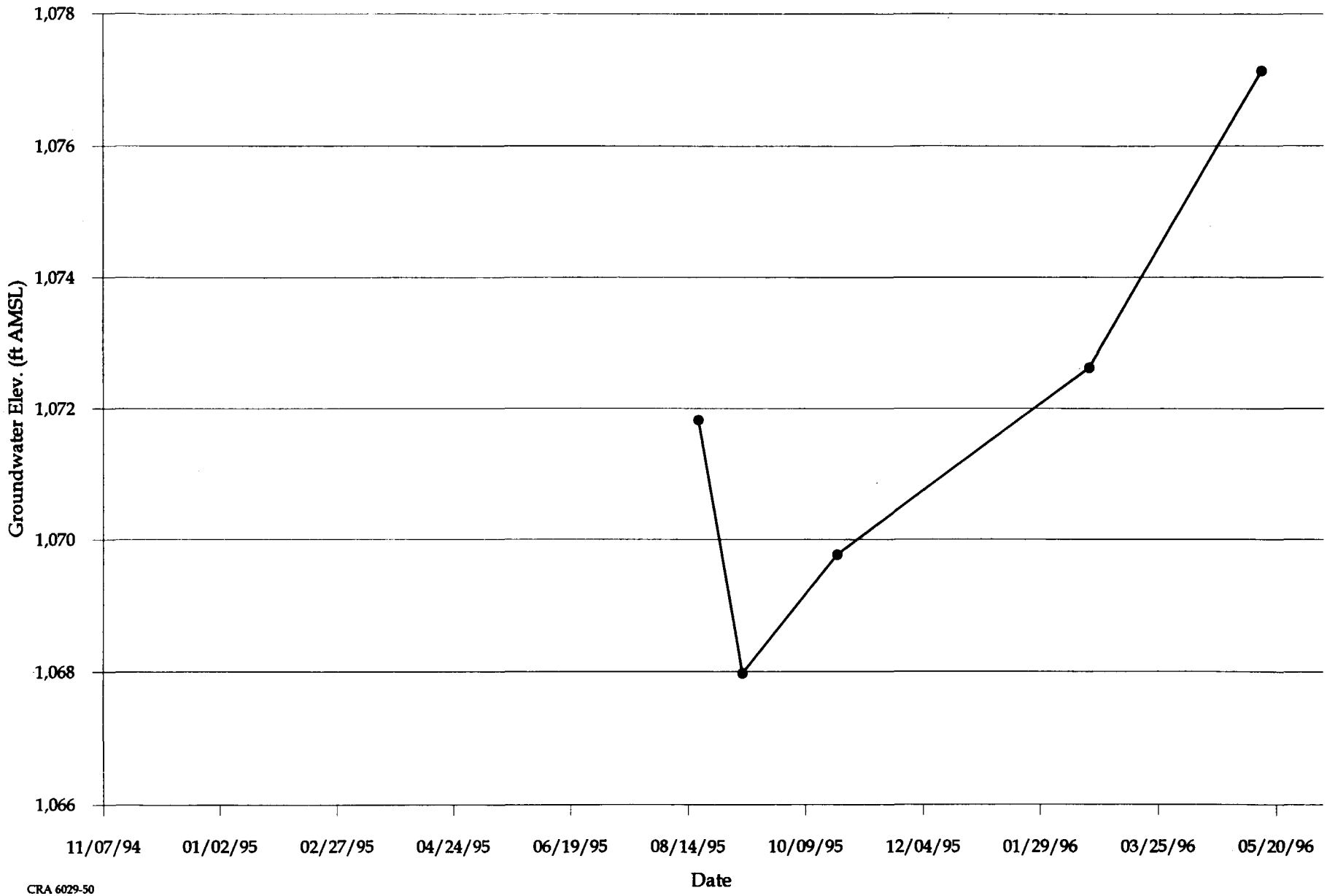
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-320
SUMMIT NATIONAL SUPERFUND SITE



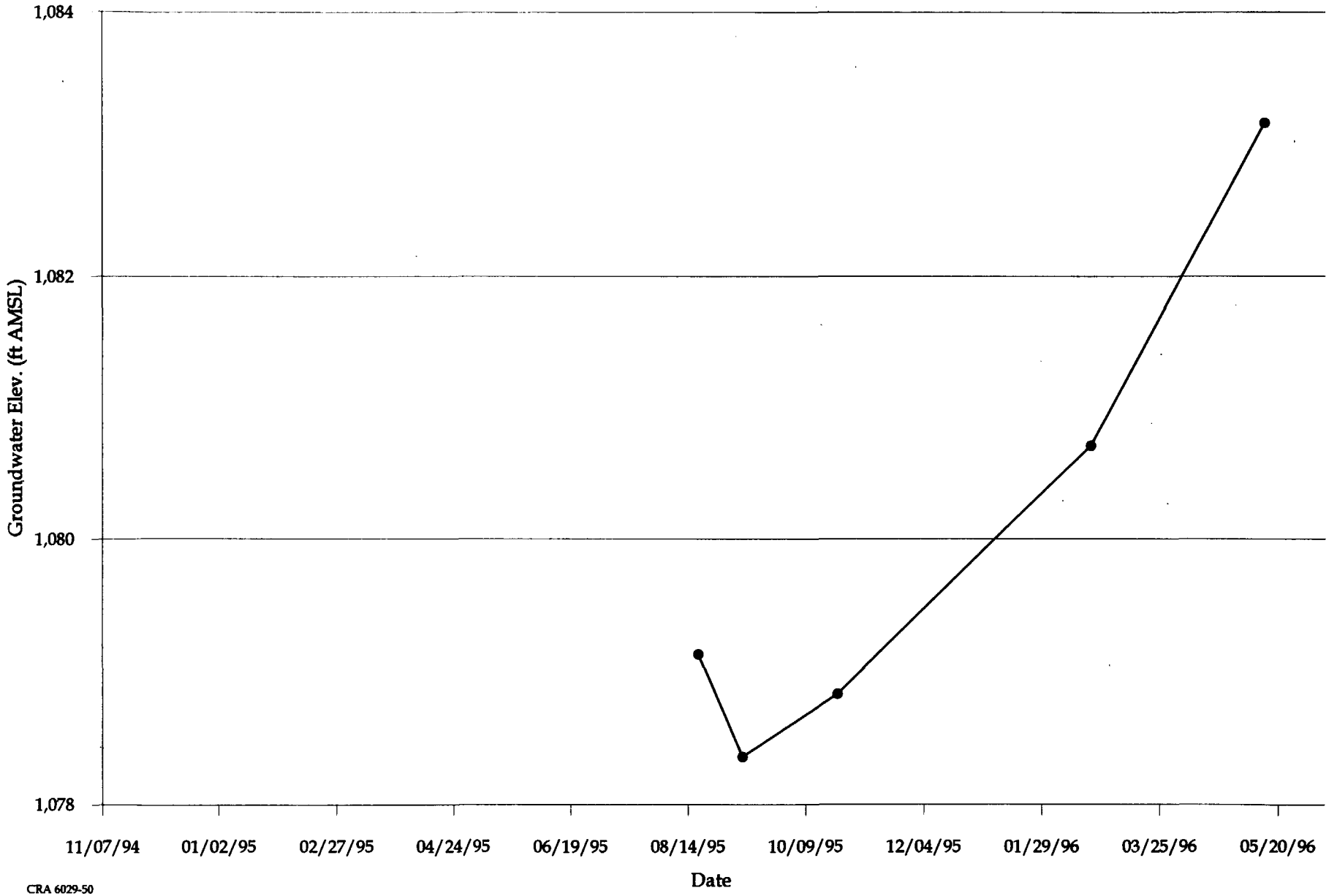
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-321
SUMMIT NATIONAL SUPERFUND SITE



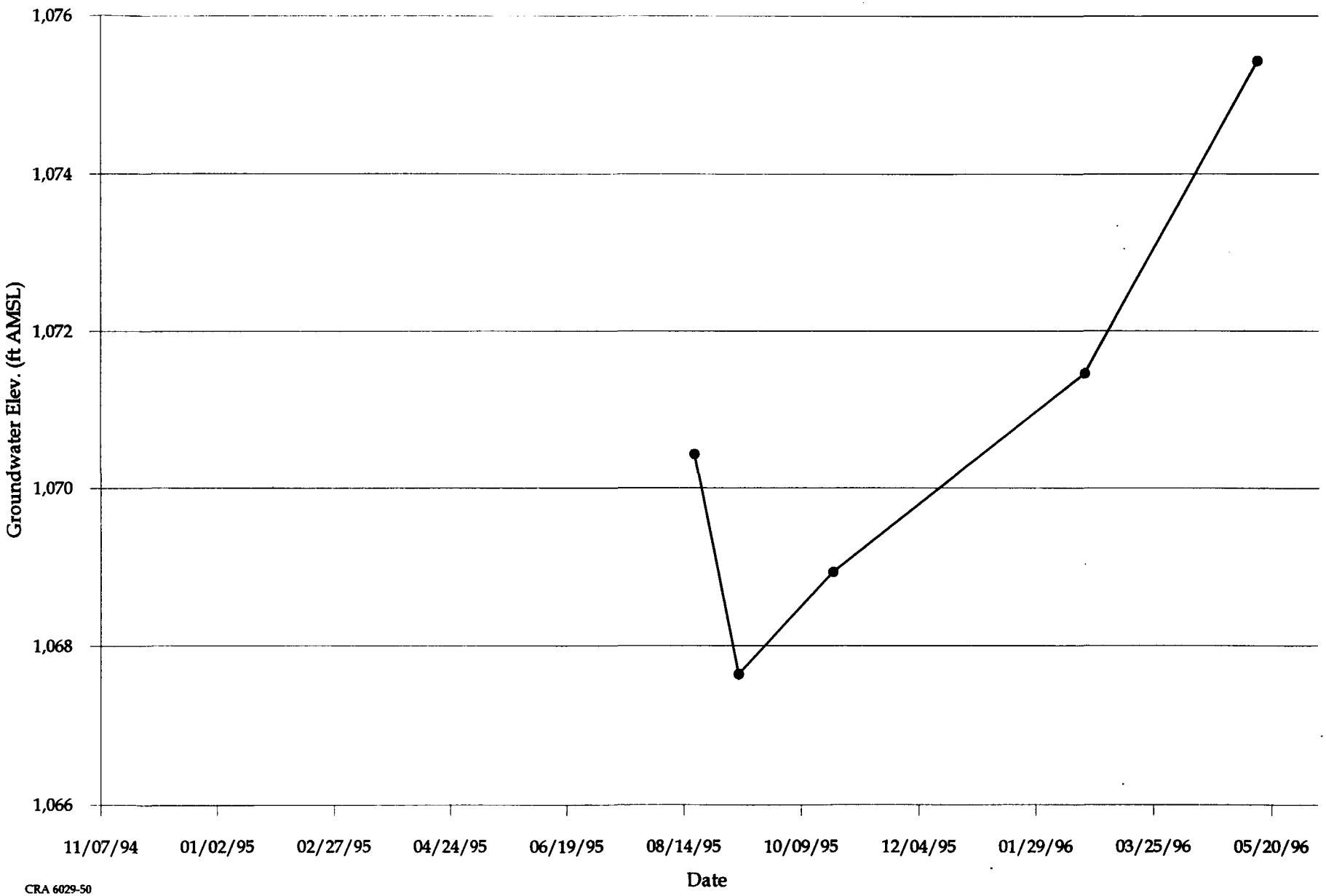
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-322
SUMMIT NATIONAL SUPERFUND SITE



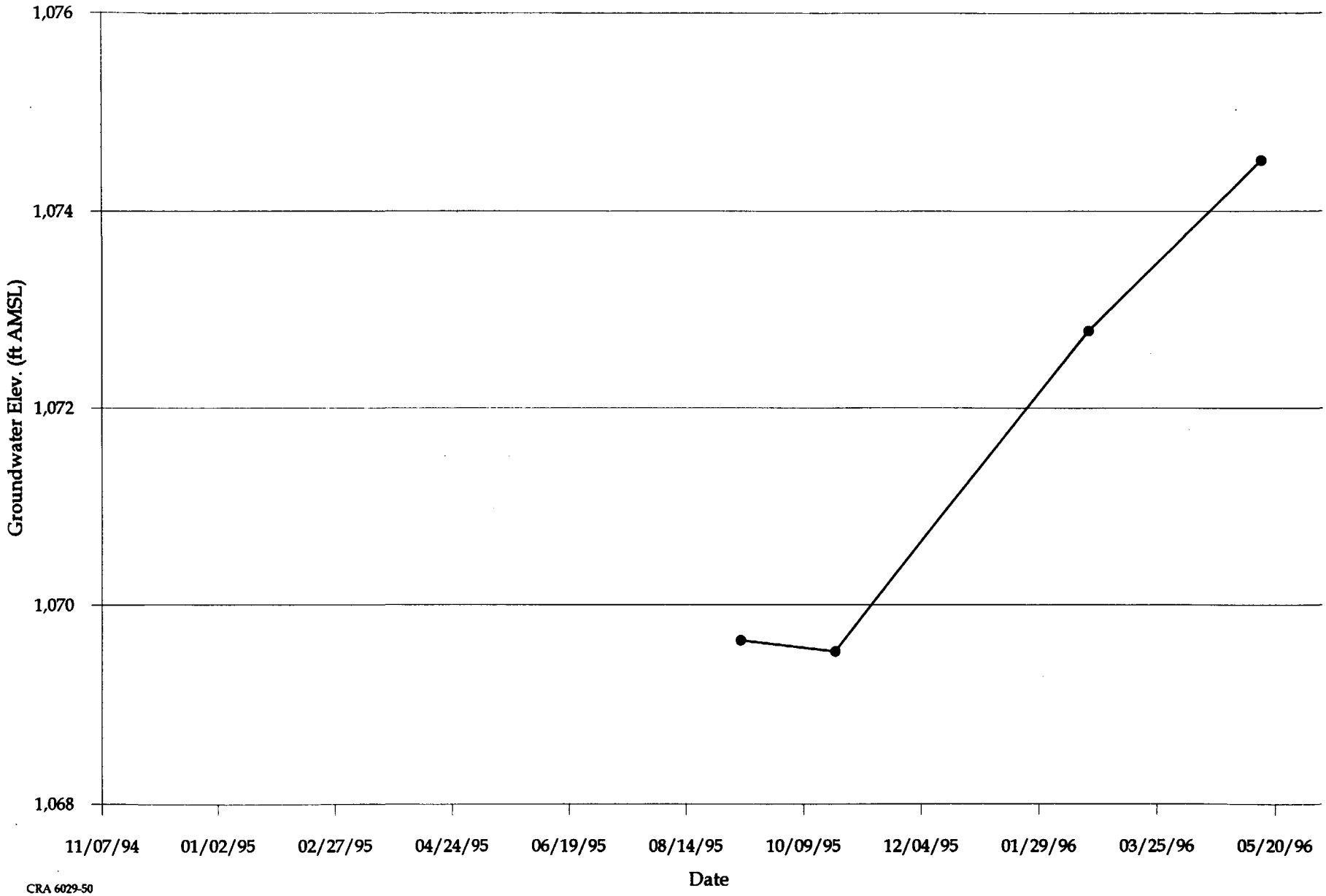
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-323
SUMMIT NATIONAL SUPERFUND SITE



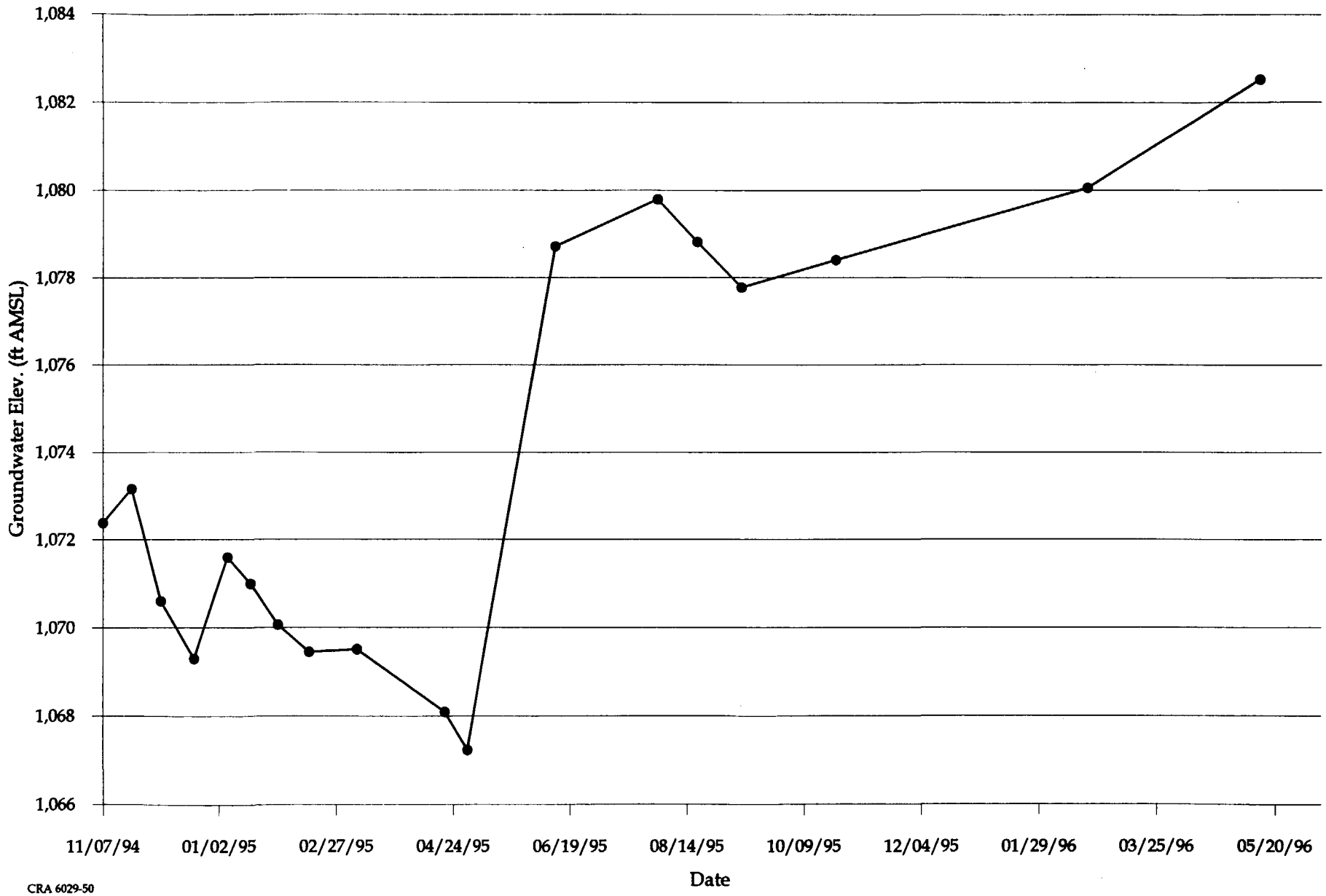
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: MW-324
SUMMIT NATIONAL SUPERFUND SITE



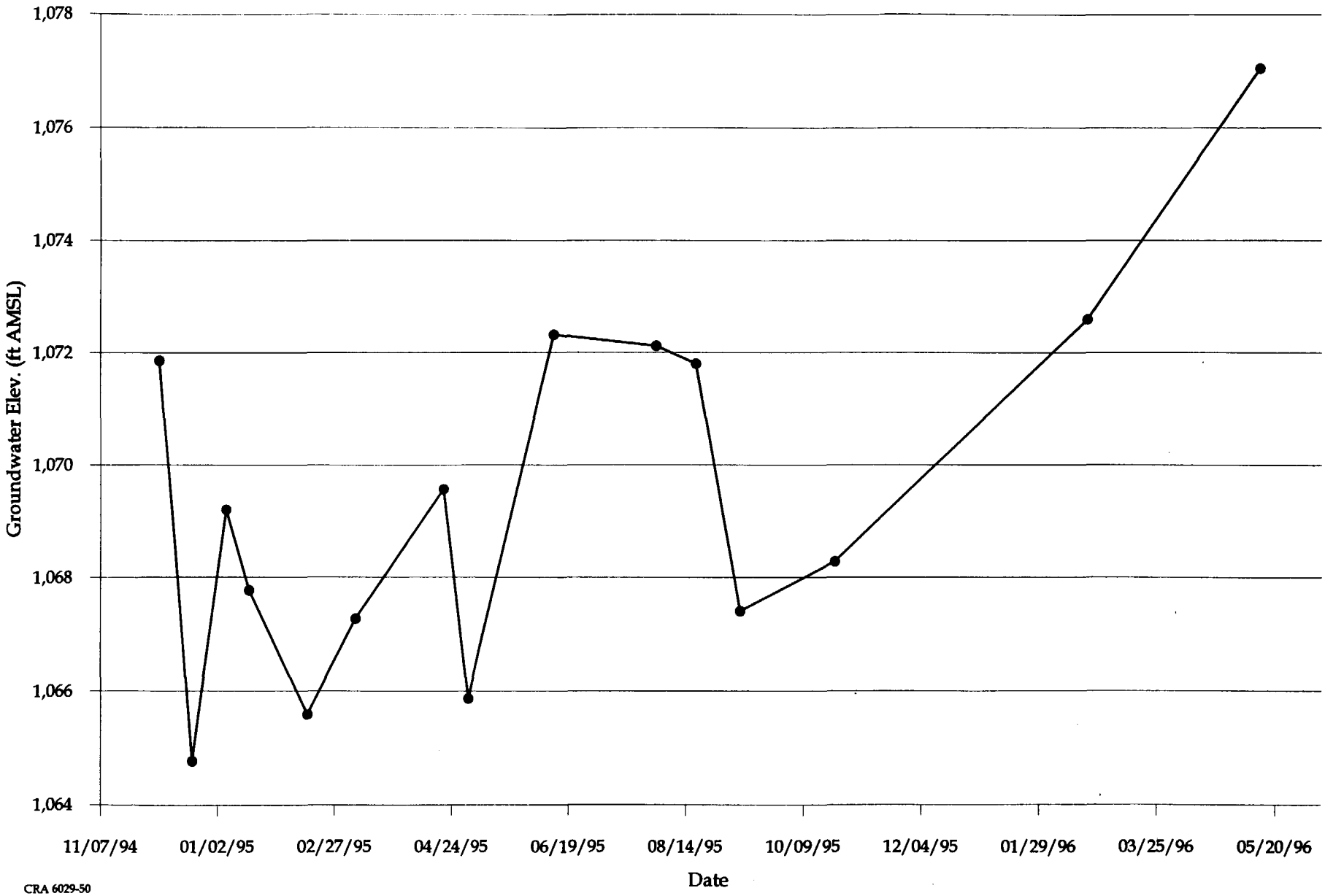
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: PZ-301
SUMMIT NATIONAL SUPERFUND SITE



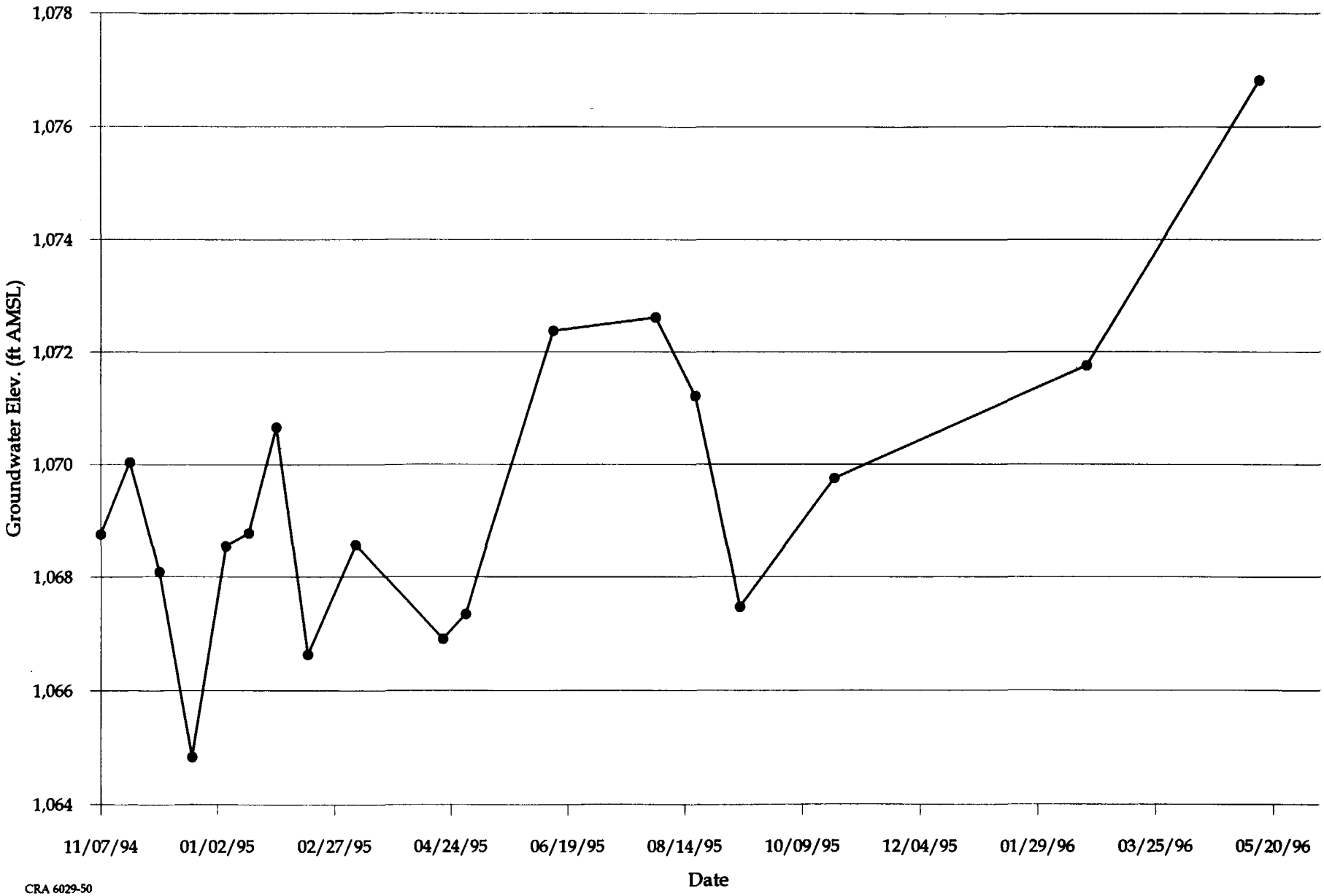
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: PZ-302
SUMMIT NATIONAL SUPERFUND SITE



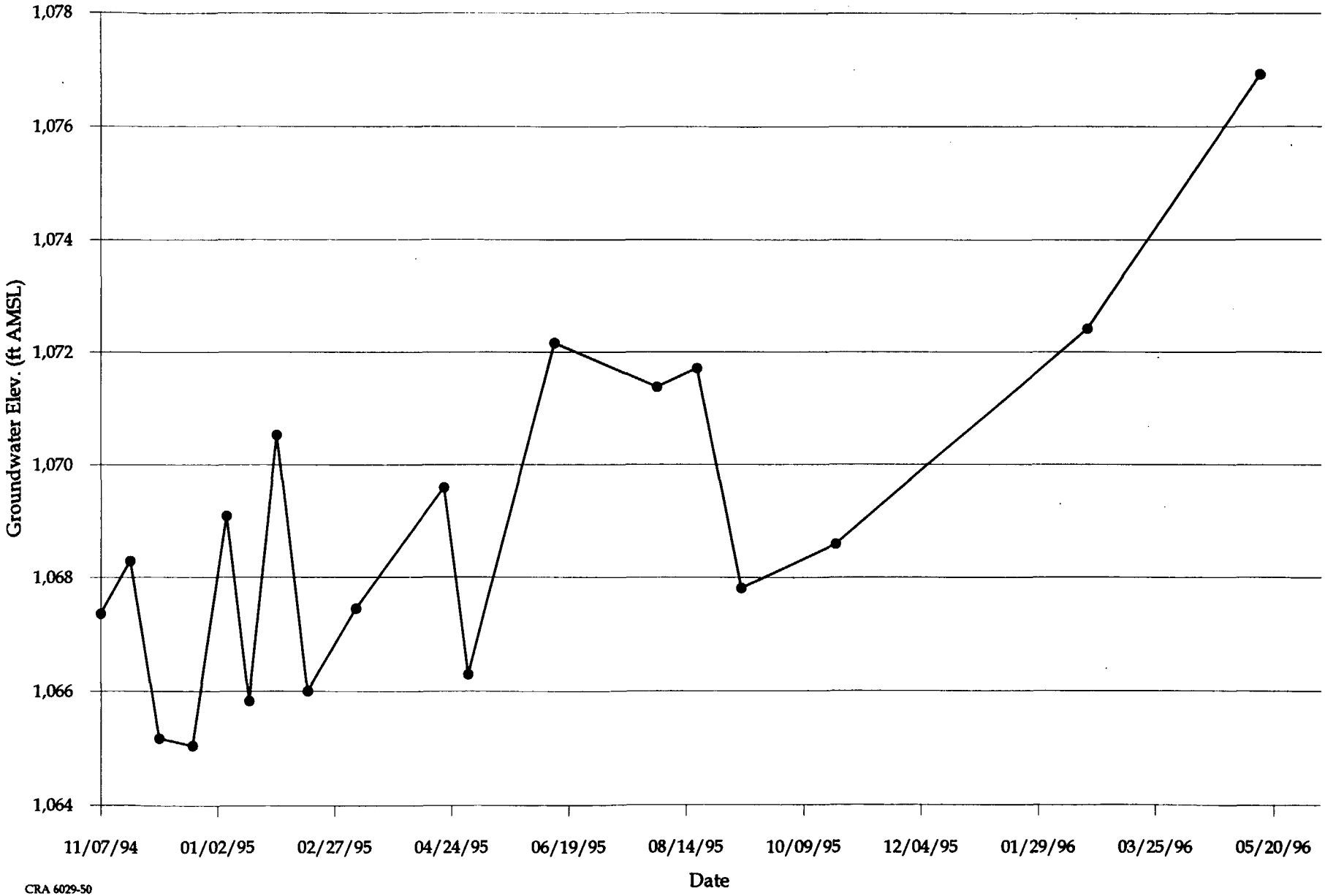
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: PZ-303
SUMMIT NATIONAL SUPERFUND SITE



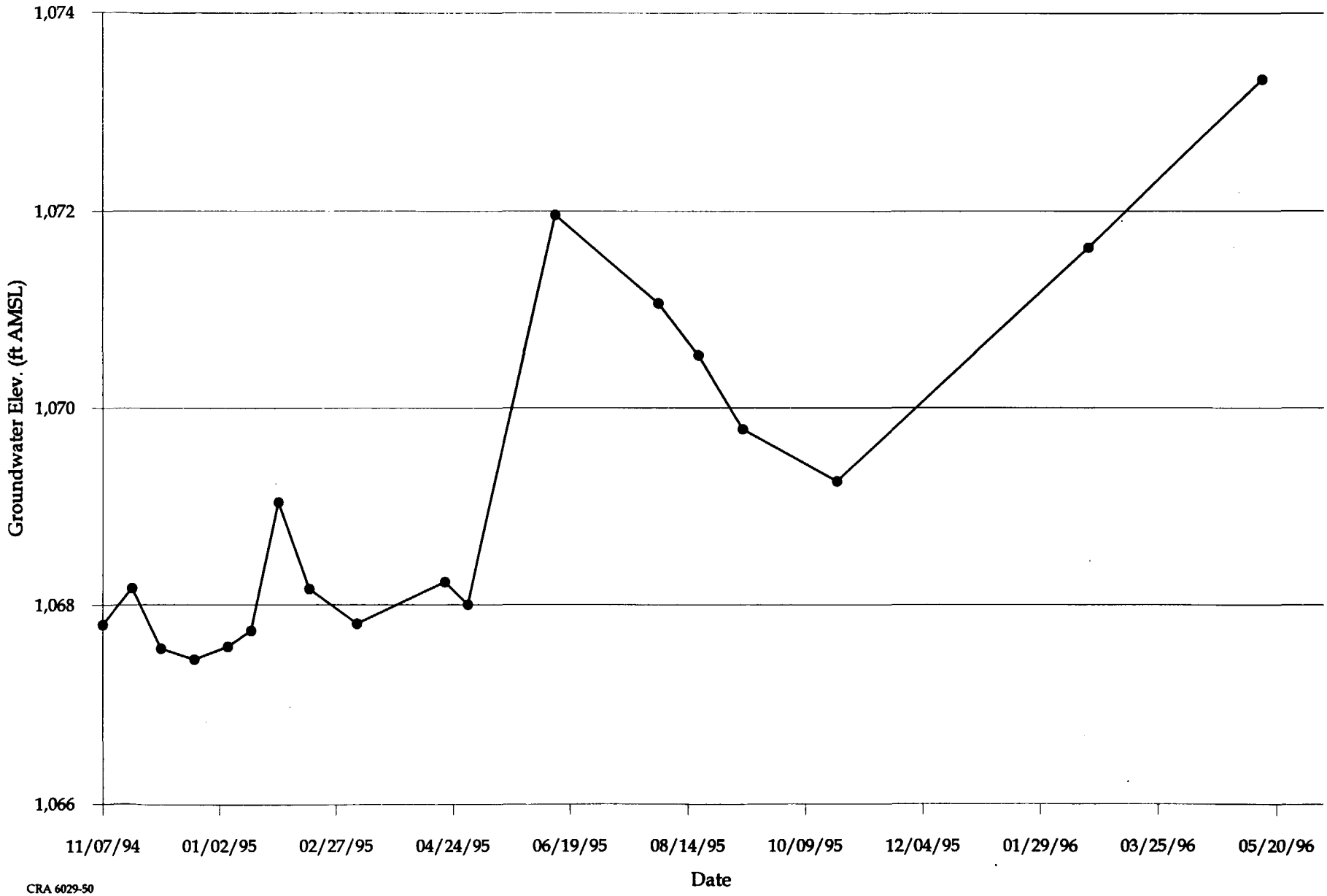
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: PZ-305
SUMMIT NATIONAL SUPERFUND SITE



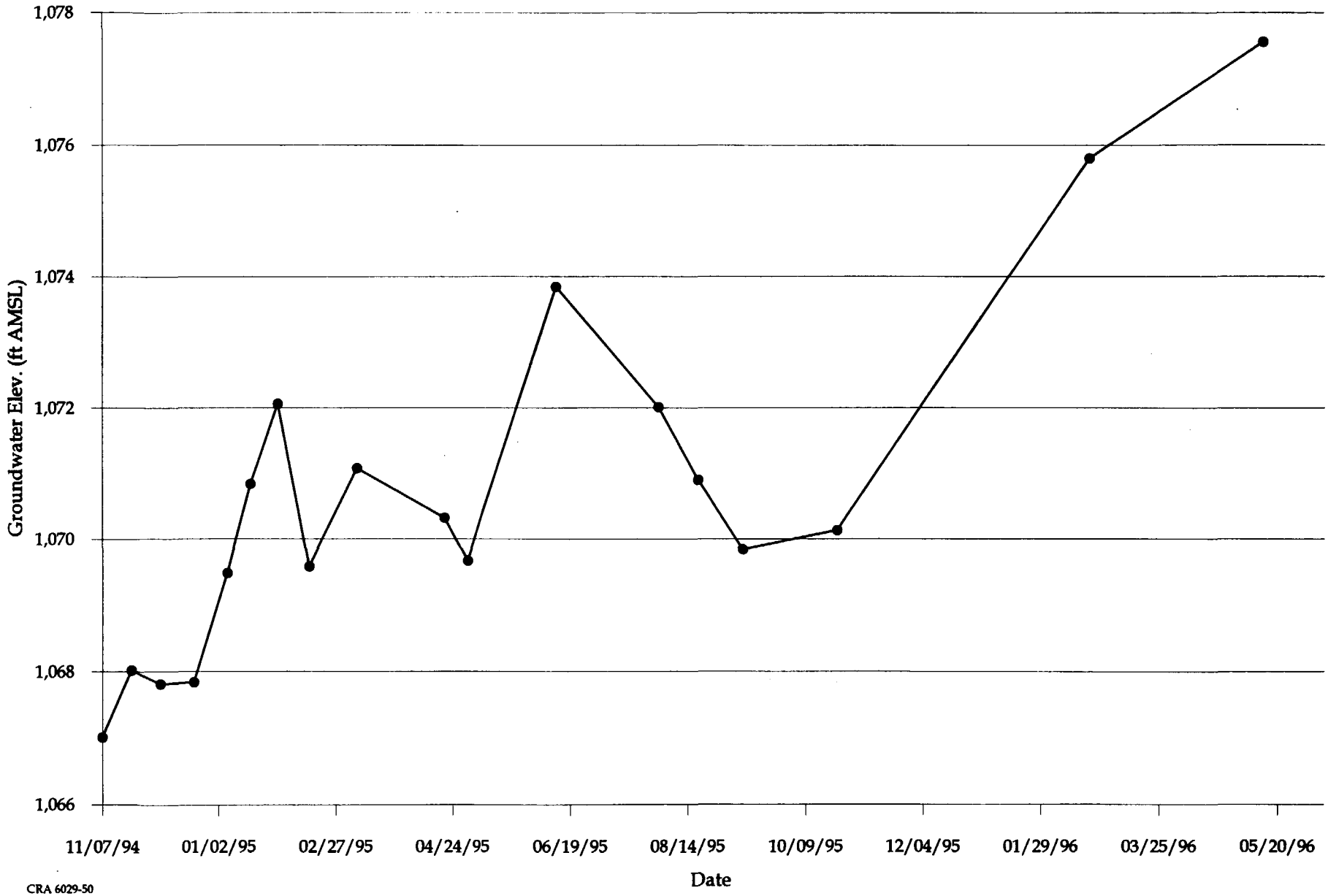
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: PZ-306
SUMMIT NATIONAL SUPERFUND SITE



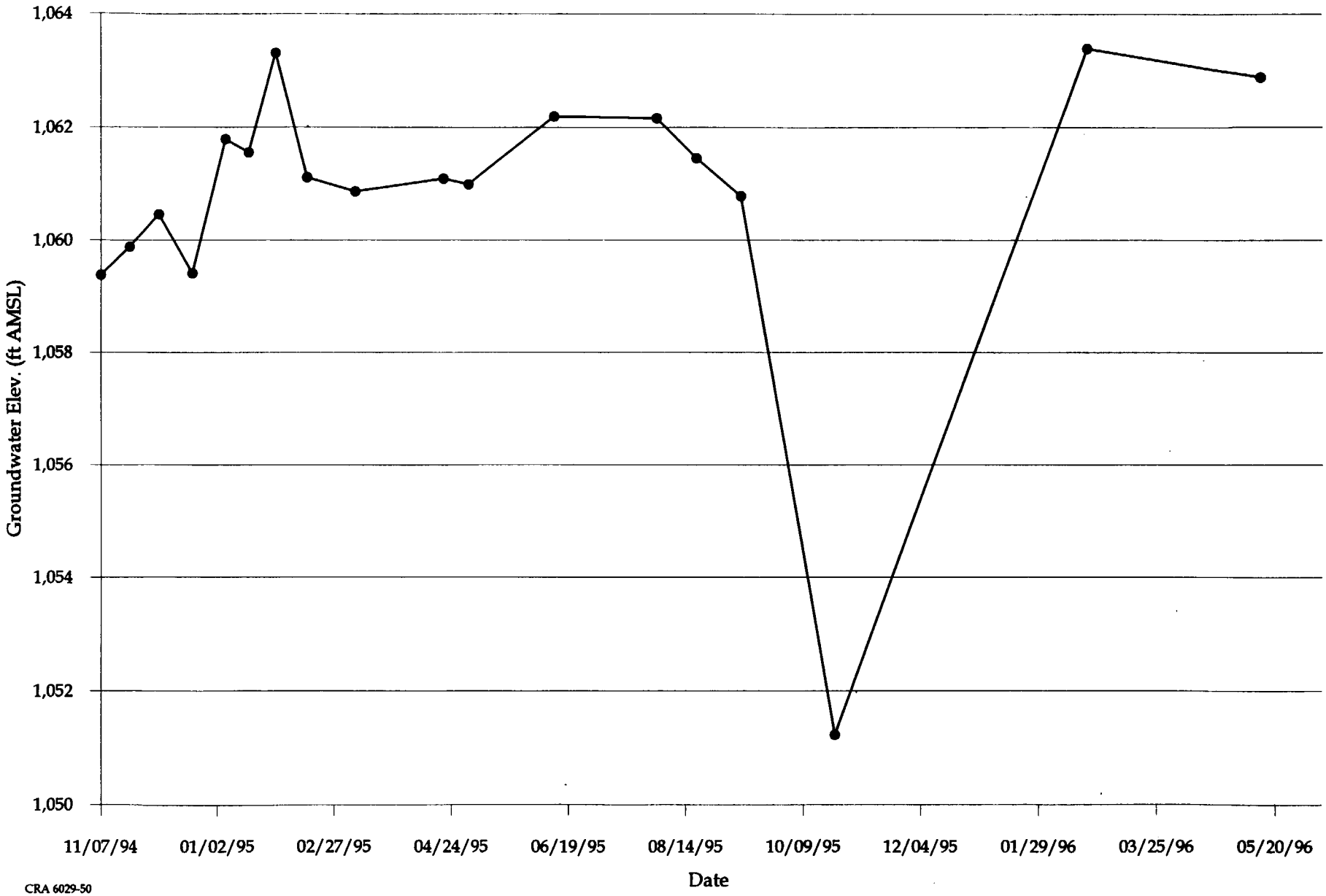
CRA 6029-50

GROUNDWATER HYDROGRAPH
LOWER INTERMEDIATE UNIT: PZ-307
SUMMIT NATIONAL SUPERFUND SITE



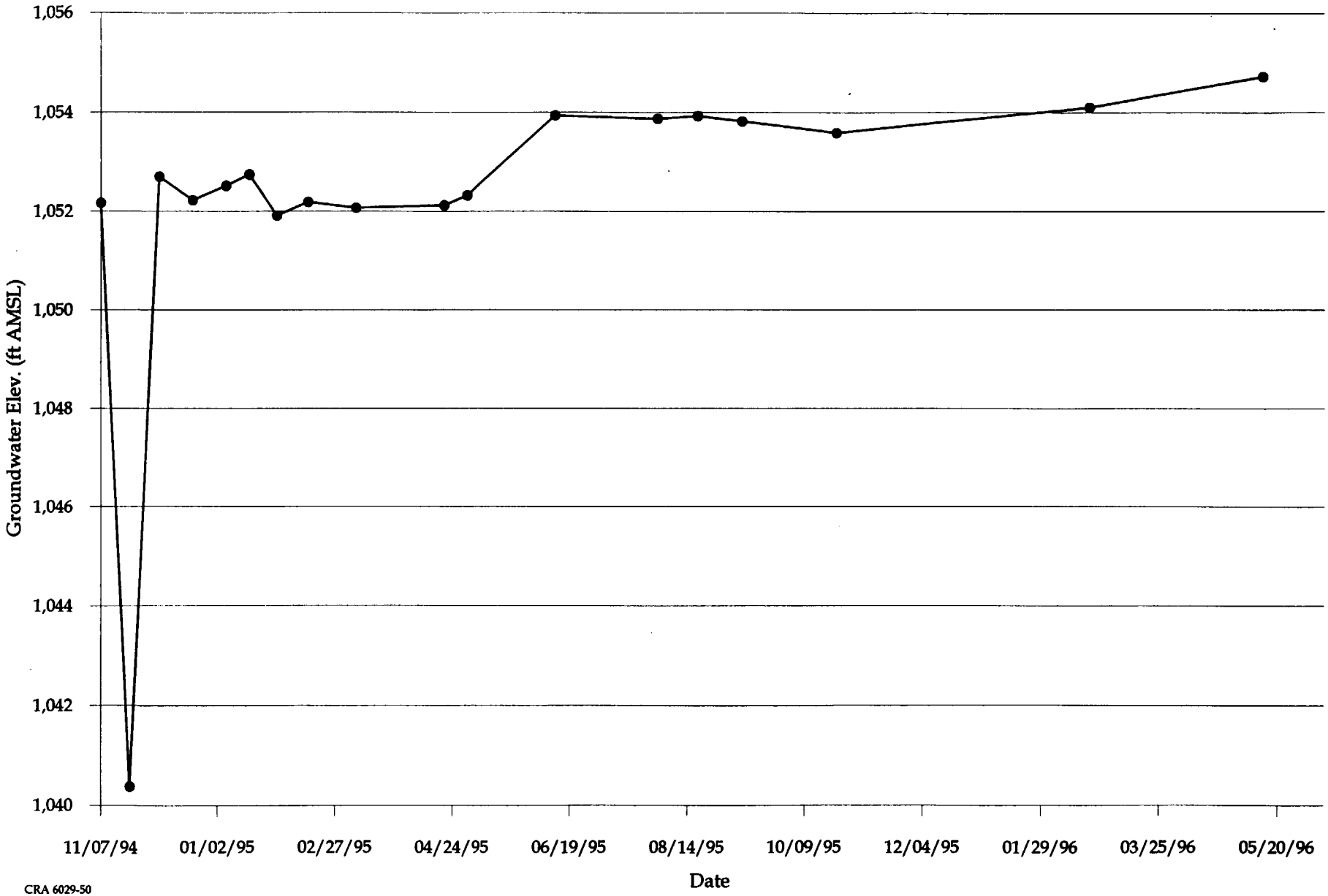
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER SHARON UNIT: MW-401
SUMMIT NATIONAL SUPERFUND SITE



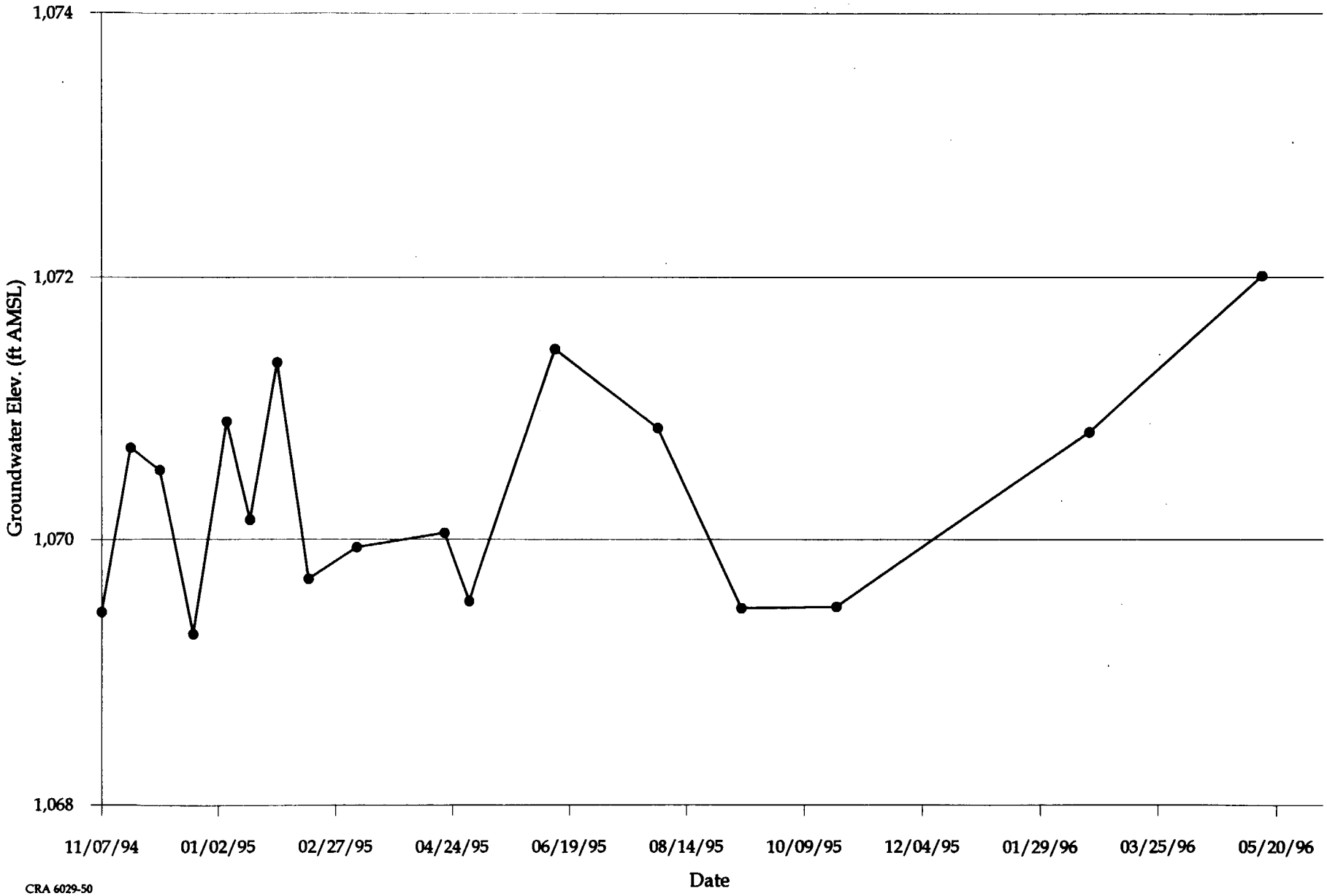
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER SHARON UNIT: MW-402
SUMMIT NATIONAL SUPERFUND SITE



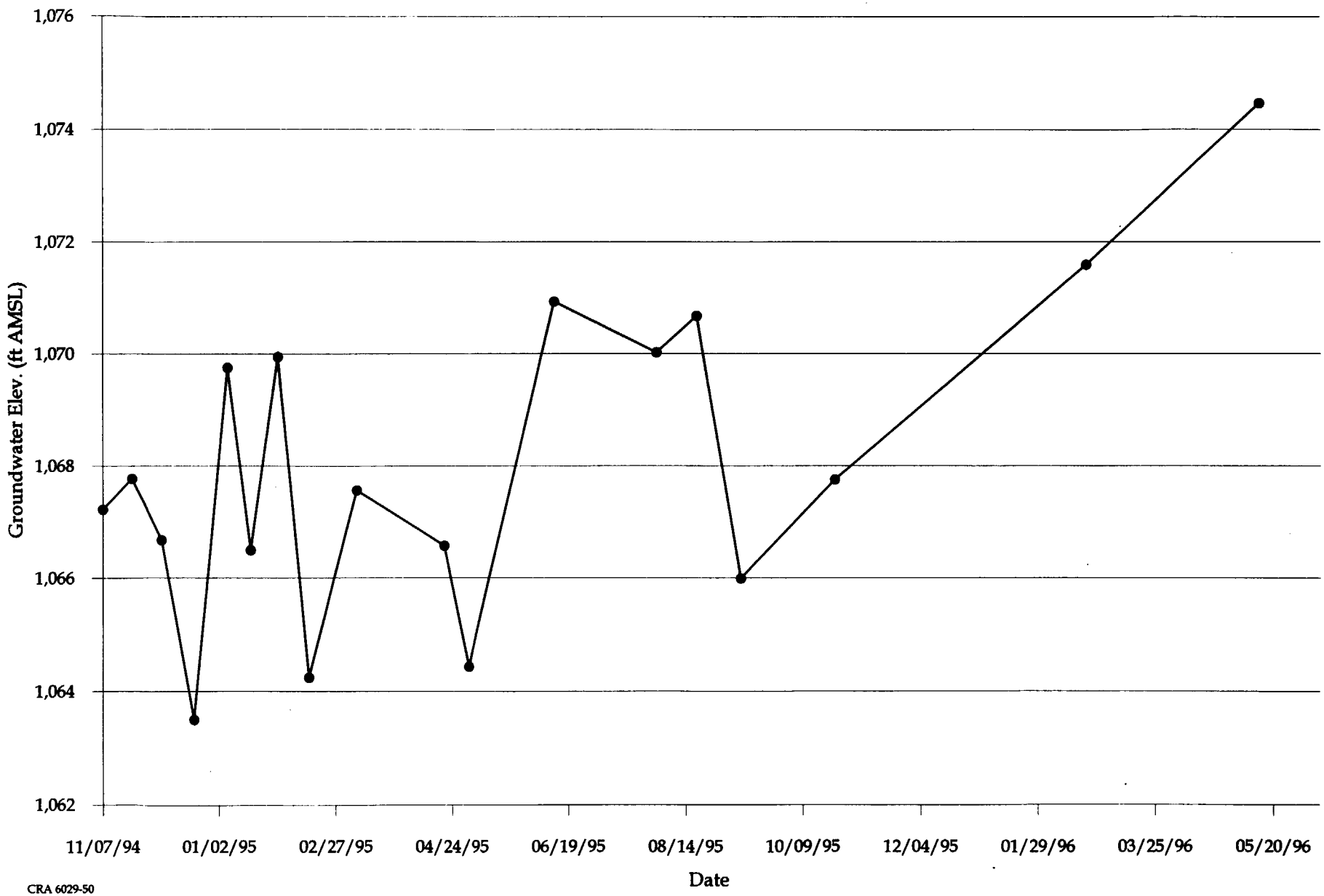
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER SHARON UNIT: MW- 414
SUMMIT NATIONAL SUPERFUND SITE



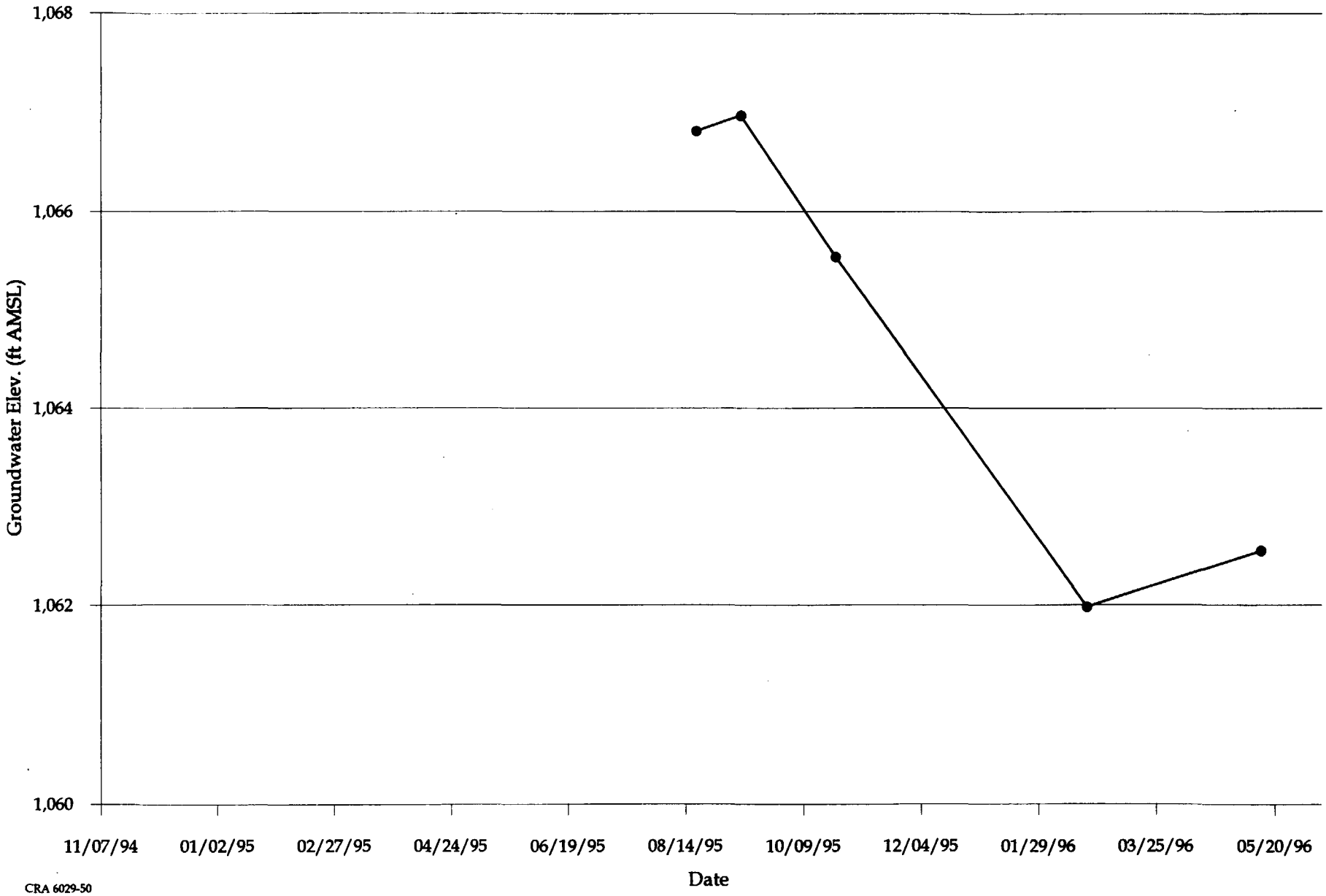
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER SHARON UNIT: MW-415
SUMMIT NATIONAL SUPERFUND SITE



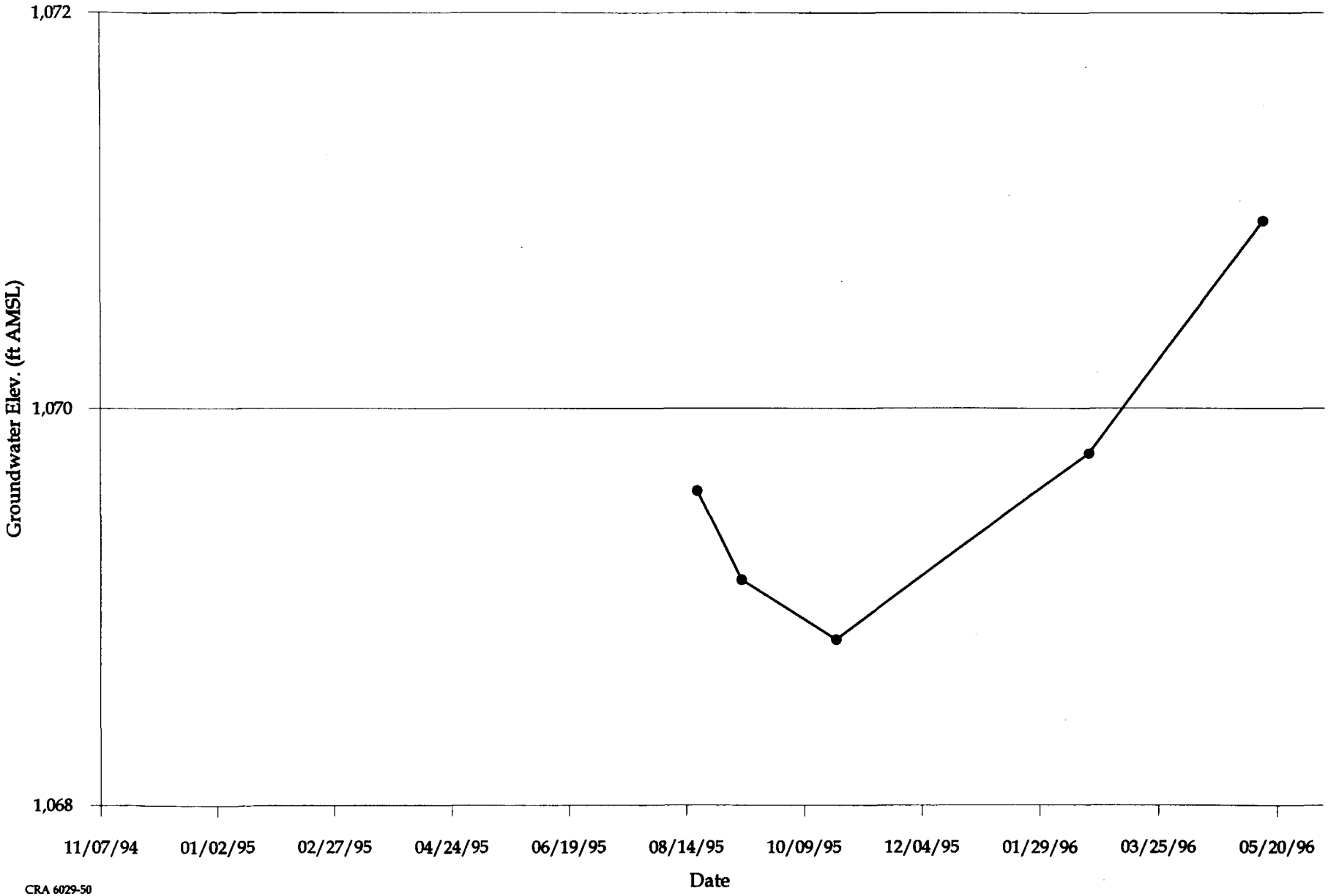
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER SHARON UNIT: MW-420
SUMMIT NATIONAL SUPERFUND SITE



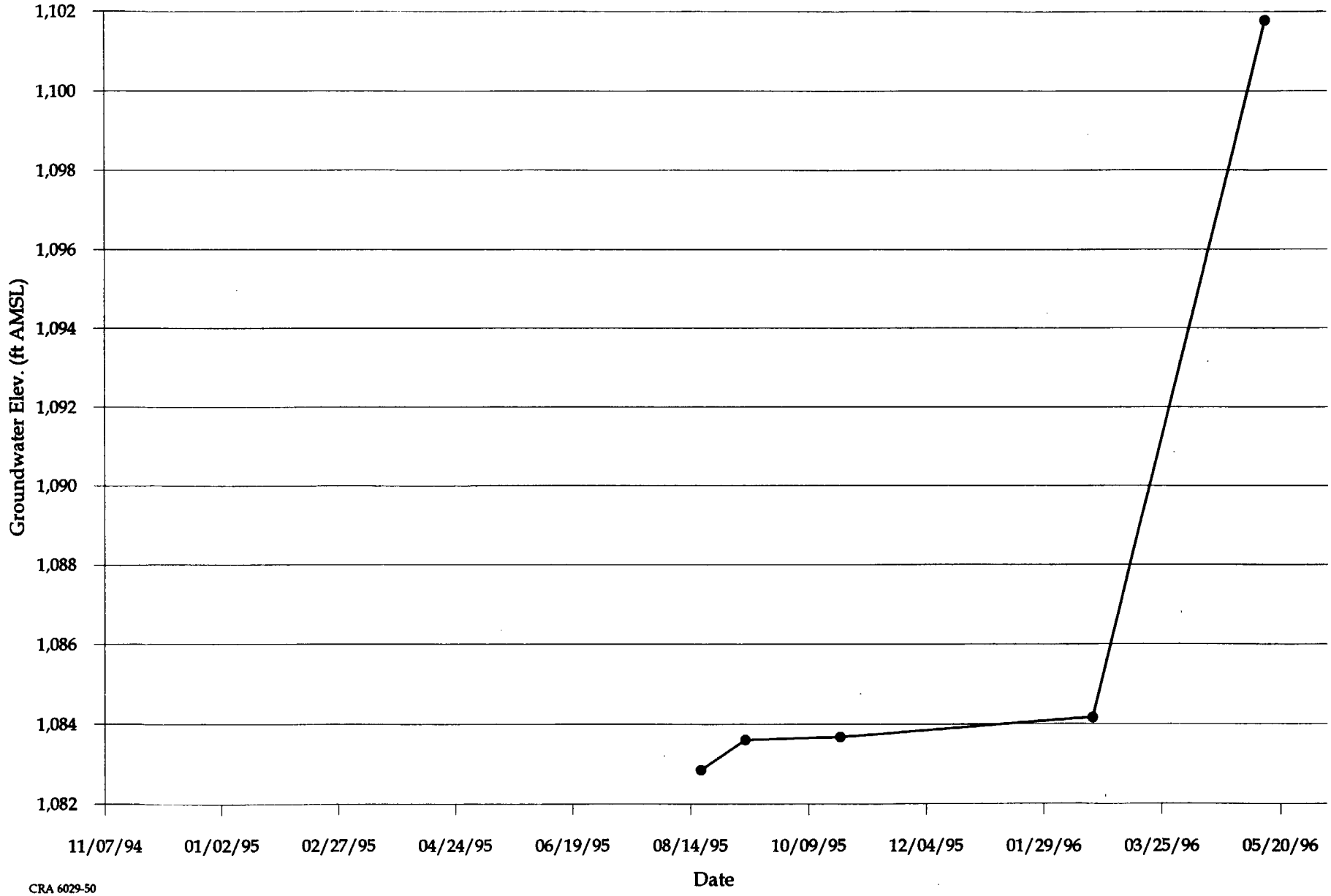
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER SHARON UNIT: MW-421
SUMMIT NATIONAL SUPERFUND SITE



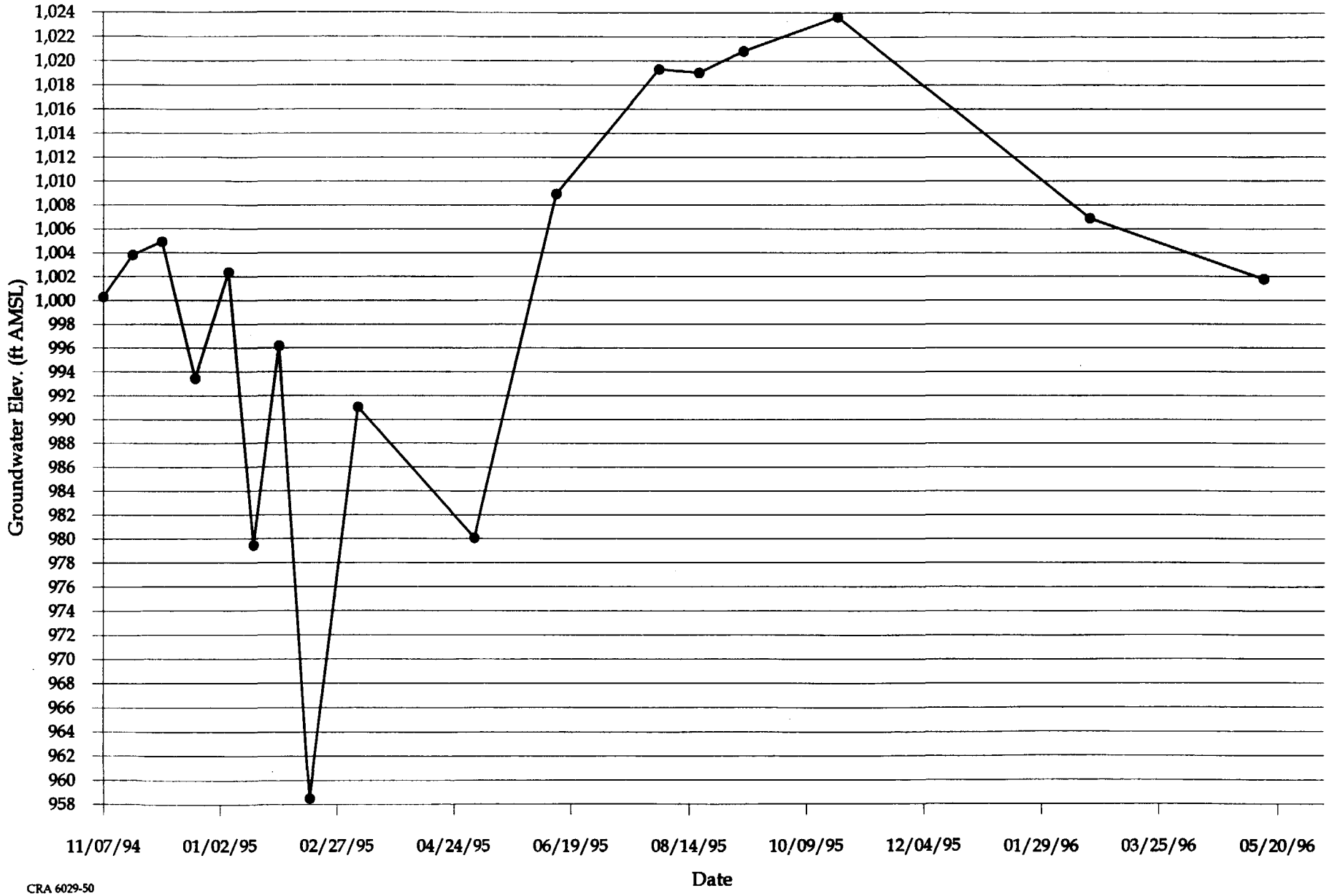
CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER SHARON UNIT: MW- 422
SUMMIT NATIONAL SUPERFUND SITE



CRA 6029-50

GROUNDWATER HYDROGRAPH
UPPER SHARON UNIT: POT. WELL
SUMMIT NATIONAL SUPERFUND SITE



CRA 6029-50

SDMS US EPA REGION V
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IMAGERY INSERT FORM

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DOC ID #	128686		
DESCRIPTION OF ITEM(S)	MAPS		
REASON WHY UNSCANNABLE	_X_ OVERSIZED	OR	___ FORMAT
DATE OF ITEM(S)	7/96		
NO. OF ITEMS	4		
PHASE	REM		
PRP			
PHASE (AR DOCUMENTS ONLY)	___ Remedial ___ Removal ___ Deletion Docket ___ AR ___ Original ___ Update # ___ Volume ___ of ___		
O.U.			
LOCATION	Box # _4_ Folder # _1_ Subsection _K7_		
COMMENT(S)			