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~~Comment Draft~~

Meeting Minutes Transmittal/Approval
Unit Manager's Meeting: 200 Aggregate Area/200 Area Operable Units
Regular Session: 450 Hills, Richland, Washington
Special Session: WDOE Conference Room, Kennewick, Washington

May 28, 1992

FROM/APPROVAL: Paul M. Pak Date 6/25/92
~~Allan Harris~~, 200 Aggregate Area Unit Manager, RL (A5-19)
P.M. Pak

APPROVAL: Pamela A. Innis for Date 6/25/92
Doug Sherwood, 200 Aggregate Area Unit Manager, EPA (B5-01)

APPROVAL: _____ Date _____
Darci Teel, 200 Aggregate Area Unit Manager, WA Dept of Ecology

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Meeting Minutes are attached. Minutes are comprised of the following:

Attachment #1	-	Meeting Summary
Attachment #2	-	Agenda
Attachment #3	-	Attendance
Attachment #4	-	Action Item Status List
Attachment #4b	-	Decisions, Agreements and Commitments
Attachment #5	-	Status of 200 Aggregate Area Management Study Program
Attachment #6	-	200 AAMS Geophysical Logging and Groundwater Sampling Field Activities Update
Attachment #7	-	Groundwater Sampling
Attachment #8	-	200-UP-2 Source Work Plan Status

JUL 1992
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EDMC

Prepared by: Suzanne Clarke Date: 6/25/92
Suzanne Clarke, GSSC

Concurrence by: Curt Wittreich Date: 6/25/92
Curt Wittreich, WHC Coordinator

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Attachment #1
Meeting and Summary of Commitments and Agreements
Unit Manager's Meeting: 200 Aggregate Area/200 Area Operable Units

May 28, 1992

1. SIGNING OF THE APRIL 200 AREA UNIT MANAGER'S MEETING MINUTES:

Minutes from the April 200 Areas Unit Manager's Meeting were reviewed and approved.

2. ACTION ITEM UPDATE: (See Attachment 4 for status (before May meeting), items listed below for the update to Attachment 4 made during the May meeting):

No updates were made to existing Action Items.

3. NEW ACTION ITEMS (INITIATED MAY 28, 1992):

No new action items were initiated.

4. STATUS 200 AGGREGATE AREA MANAGEMENT STUDIES

- The status of 200 Aggregate Area Management Study Program is shown in Attachment #5.
- The update of the 200 AAMS Geophysical Logging and Groundwater Sampling Field Activities is shown in Attachment #6.
- Status of 200-UP-2 source work plan was updated, see Attachment #8.

<u>Agreement</u>: To use specified wells in the 200 AAMS groundwater monitoring field activity. See Attachment #4b.

5. INFORMATION ITEMS:

- Groundwater Sampling was presented by Bruce Ford (see Attachment #7). The handout contains a contaminant list as well as contaminant plume distributions. It was noted that Cadmium and Beryllium are not on the contaminant list.

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Attachment #2
Unit Manager's Meeting: 200 Aggregate Area/200 Area Operable Units
May 28, 1992

Agenda

- **200 AAMS Activities** - Curt Wittreich
  - Status of AAMSRs
  - Geophysical Logging and Groundwater Sampling Field Activities Update

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Attachment #3

200 Aggregate Area Unit Manager's Meeting
Official Attendance Record
May 28, 1992

Please print clearly and use black ink

PRINTED NAME	SIGNATURE	ORGANIZATION	O.U. ROLE	TELEPHONE
Billie Mauss	Billie Mauss	Ecology	CERCLA UM	546-2993
Dennis Faulk	[illegible]	EPA	" "	6-8631
PAMELA INNIS	Pamela Innis	EPA	UNIT MANAGER	509/376-4919
Larry Gadbois	L Gadbois	EPA	Unit Manager	509 376-9884
CURT WITTREICH	[illegible]	WHC	AAMS TECH COORD	509 376 1862
Ward Staubitz	[illegible]	USGS	EPA Support	206 593 6510
Allan C Harris	A C Harris	DOE-RL	Unit Manager	509-376-4337
BRUCE FORD	[illegible]	WHC	AAMS GW	376-6465
MICHAEL J GALGOUL	Michael Galgoul	WHC	200-UP-2 Tech COORD	376-2038
RICH MULLEN	Rich Mullen	Parametrix	Ecology Support	206-455-2550
Hal Downey	H D Downey	WHC	WHC ER Program office	509-376-5539
Andree DeAngeles	Andree DeAngeles	PRC	EPA Support	206-624-2692
Dib Goswami	[illegible]	Ecology	O.U. Manager	509-546-[illegible]
Brian Drost	Brian Drost	USGS	EPA Support	206-593-6510
Darci Teel	Darci Teel	Ecology	CERCLA support	509 545-2312
Paul Pak	Paul Pak	DOE-RL	200 East	509-376-4798
Doug Sherwood	Doug Sherwood	EPA	Unit Manager	376-9539
Suzanne Clarke	Suzanne Clarke	SWEC	GSSC	509-372-0630
KAY KIMMEL	Kay Kimmel	SWEC	GSSC	509-372-0610
Rich Carlson	Rich Carlson	WHC	200/300 RI mgr.	(509) 376-4027
Paul Beaver	Paul Beaver	EPA	Unit mgr	376-8665
Jon Sprecher	Jon Sprecher	B&L	Ecology Support	(509) 246-1999

Attachment #4

Action Item Status List
Unit Manager's Meeting: 200 Aggregate Area/200 Area Operable Units
May 28, 1992

Item No.	Action/Source of Action	Status
2AAMS.1	Identify and implement the actions that are required to install the calibration pits for the borehole logging equipment. Action: Allan Harris (9/19/91)	Open
2AAMS.5	DOE will initiate the paperwork for changing the content and/or boundaries of the 200-UP-2 OU. Action to Allan Harris (2/26/92).	Open
2AAMS.6	Allan Harris will meet with Mike Thompson to clarify what changes to the UP-1 and UP-2 units will be sought in a Level 2 Change Request. A new Change Request will be submitted after Allan meets with RL management and the TPA Project Manager Board.	Open

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Attachment #4b

200 AGGREGATE AREA MANAGEMENT STUDY MEETING

-DECISIONS, AGREEMENTS, & COMMITMENTS-
(DATE)

AGREEMENTS

1. Monitoring wells that are sampled as part of the 200 Aggregate Area Management Study (AAMS) groundwater field activity are considered to be screening wells as defined in the EPA, Region 10, letter, P. T. Day, EPA, and T. L. Nord, Ecology, to S. H. Wisness, RL, "Policy on Remediation of Existing Wells and Acceptance Criteria for RCRA and CERCLA," dated July 16, 1990. The wells are being used as indicators to assist in defining extent of contamination.

2. Per the subject letter, groundwater monitoring wells selected with screen lengths greater than 20 feet should receive approval prior to use. Consistent with the use of these wells for screening level monitoring , screen lengths in the following wells were shortened to 30 feet (25 feet below water level):

2-W11-14	2-E24-7
2-W11-3	6-37-43
2-W11-6	6-35-66
2-W11-7	6-56-43
2-W19-4	6-55-68

It is agreed that these wells can be used for the 200 AAMS groundwater monitoring field activity.

5/28/92
RL Representative

5/28/92
EPA Representative

5/28/92
Ecology Representative

WHC Representative

9 2 1 2 3 1 7 0 3 5 3

200 AGGREGATE AREA MANAGEMENT STUDY PROGRAM

Curtis D. Wittreich
Technical Coordinator

Steven J. Trent
Field Activities Coordinator

Bruce H. Ford
Ground Water Monitoring Coordinator

May 28, 1992

Status
200 Aggregate Area Management Study Program

05/28/92

Area	Aggregate Area	AAMS Type	AAMS Report	Regulator Comments Due	M-27-00 Milestones
200 West	U Plant	Source	Draft A Redrafted Based on Regulator Comments	3/16/92	1/92
	Z Plant	Source	Regulator Review Comments Dispositioned	4/14/92	2/92
	S Plant	Source	Regulator Review Comments Received	5/15/92	3/92
	T Plant	Source	Draft A under Regulator Review	6/15/92	4/92
	200 West	Ground Water	Drafted-On Schedule		9/92
200 East	PUREX	Source	Drafted-On Schedule		5/92
	B Plant	Source	Drafted-On Schedule		6/92
	Semi-Works	Source	Drafted-On Schedule		7/92
	200 East	Ground Water			9/92
200 North	200 North	Source			8/92

200 AAMS GEOPHYSICAL LOGGING AND GROUNDWATER SAMPLING FIELD ACTIVITIES UPDATE

Attachment #6

GEOPHYSICS

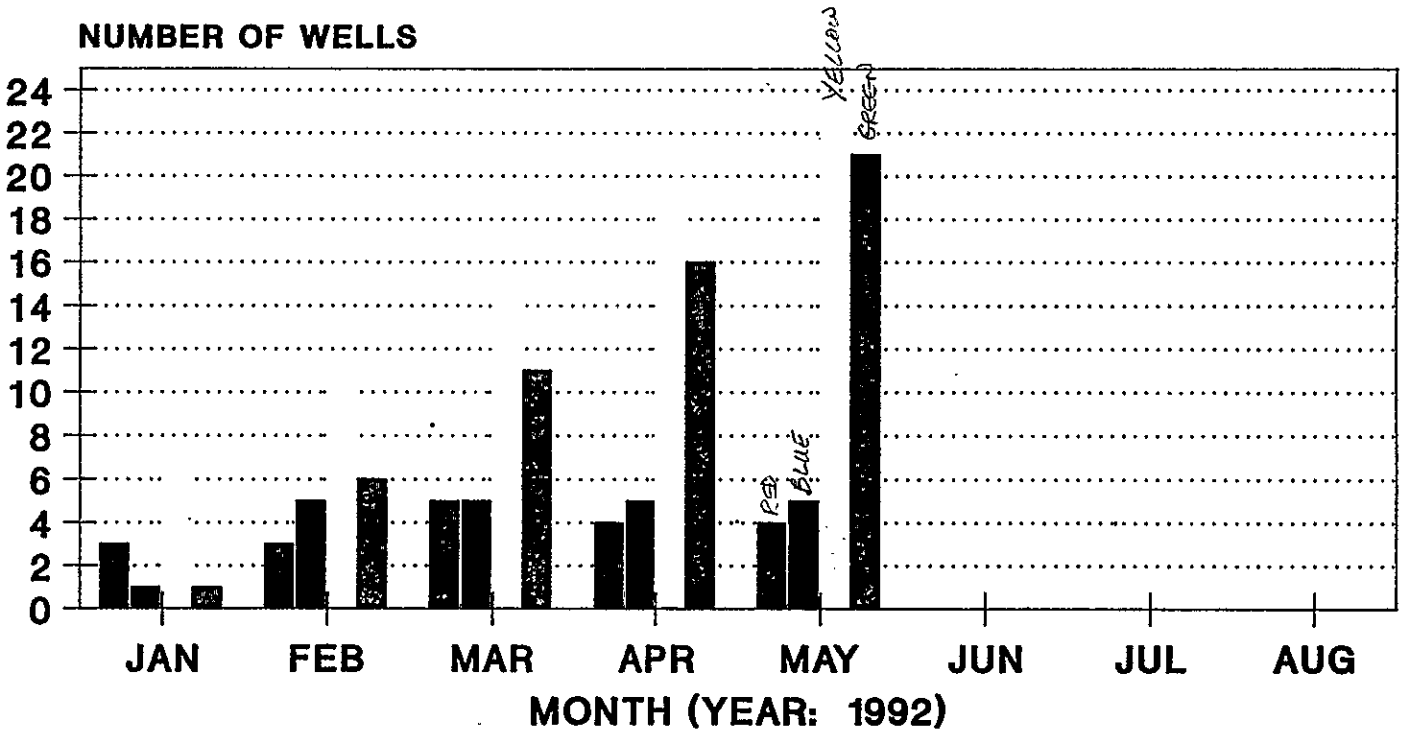
●SPECTRAL GAMMA-RAY LOGGING COMPLETED TO DATE:

	299-W22-75	216-S-21 CRIB	U PLANT
	299-W23-4	216-U-12 CRIB	U PLANT
➡	299-W19-11	216-U-1 CRIB	U PLANT
	299-W19-9	216-U-2 CRIB	U PLANT
	299-W18-10	216-Z-18 CRIB	Z PLANT
	299-W15-63	216-Z-5 CRIB	Z PLANT
	299-W15-8	216-Z-9 CRIB	Z PLANT
	299-W15-7	216-Z-7 CRIB	Z PLANT
➡	299-W18-5	216-Z-7 CRIB	Z PLANT
	299-W22-21	216-S-13 CRIB	S PLANT
	299-W22-32	216-S-7 CRIB	S PLANT
	299-W22-74	216-S-20 CRIB	S PLANT
	299-W26-1	216-S-5 CRIB	S PLANT
	299-W26-51	216-S-6 CRIB	S PLANT

	299-W11-18	216-T-35 CRIB	T PLANT
	299-W11-70	216-T-26 CRIB	T PLANT
	299-W14-4	216-T-28 CRIB	T PLANT
	299-W11-11	216-T-18 CRIB	T PLANT
	299-W15-4	216-T-19 CRIB	T PLANT
➡	299-W15-210	216-T-21:24	T PLANT
➡	299-W11-61	216-T-6 CRIB	T PLANT
➡	299-W11-7	216-T-3 CRIB	T PLANT
➡	299-W11-81	216-T-14:17	T PLANT

➡ WELLS LOGGED SINCE LAST U.M.M.

200 AGGREGATE AREA MANAGEMENT STUDY
SPECTRAL GAMMA-RAY LOGGING STATUS



RED LOGGED DURING MONTH

TTL. LOGGED TO DATE

BLUE SCHD. TO LOG

GREEN TTL. SCHD. TO LOG

DATE: 5/28/92
NOTE: FOUR WELLS LOGGED DURING CY 1991

GEOPHYSICS (CONTINUED)

- ANALYSIS OF SPECTRAL GAMMA-RAY LOGGING DATA CONTINUING
  - 200 WEST SPECTRAL GAMMA-RAY REPORT WRITING INITIATED
    - SCHEDULED TO RELEASE 7/30/92

GROUNDWATER SAMPLING

- PHASE II SAMPLING TO START WEEK OF JUNE 1
  - ALL WHC GROUNDWATER SAMPLING HAD BEEN HALTED AS A RESULT OF 200-BP-1 AUDIT CONCERNS - SAMPLING RESUMED APRIL 6
  - WELL MAINTENANCE ACTIVITIES CONDUCTED DURING SAMPLING INTERRUPTION
    - WELL SUMMARIES FOR ALL WELLS COMPLETED

GROUNDWATER SAMPLING

- WELL MAINTENANCE ACTIVITIES (CONT'D)
  - 20 WELLS IDENTIFIED FOR MAINTENANCE ACTIVITIES
    - -ALL MAINTENANCE ACTIVITIES COMPLETE THIS WEEK
    - -FIELD INSPECTIONS/CAMERA SURVEYS/CLEANING/INTERVAL SHORTENING/PUMP INSTALLATION

- UPDATE TO SAMPLING AND ANALYSIS PLAN (APPENDIX B.3) - JUNE 19

- 200 WEST PLUME MAPPING

Contaminant plume distribution

CONSTITUENT	PLUME DISTRIBUTION	AREAS OF CONTAMINATION		
		200 WEST	200 EAST	600 AREA
ARSENIC	LOCALIZED	X	X	
CHROMIUM	INTERMEDIATE	X	X	
FLUORIDE	INTERMEDIATE	X		
IRON	INDETERMINATE			
MANGANESE	INDETERMINATE			
ALUMINUM	INDETERMINATE			
CYANIDE	INTERMEDIATE	X		X
CARBON TETRACHLORIDE	INTERMEDIATE	X		
CHLOROFORM	INTERMEDIATE	X		
TRICHLOROETHYLENE	INTERMEDIATE	X		
HYDRAZINE	INDETERMINATE			
STYRENE	INDETERMINATE			
NITRATE	WIDESPREAD	X	X	X
SULFATE	INDETERMINATE			
BIS(2-ETHYLHEXYL) PHTHALATE	INDETERMINATE			
COLIFORM	INDETERMINATE			
ALPHA	INTERMEDIATE	X	X	X
BETA	INTERMEDIATE	X	X	X
CESIUM-137	LOCALIZED		X	
COBALT-60	INTERMEDIATE			X
IODINE-129	INTERMEDIATE	X	X	X
PLUTONIUM-239/240	LOCALIZED	X	X	
RADIUM	INDETERMINATE			
STRONTIUM-90	LOCALIZED		X	X
TECHNETIUM-99	INTERMEDIATE	X	X	X
TRITIUM	WIDESPREAD	X	X	X
URANIUM	LOCALIZED	X		

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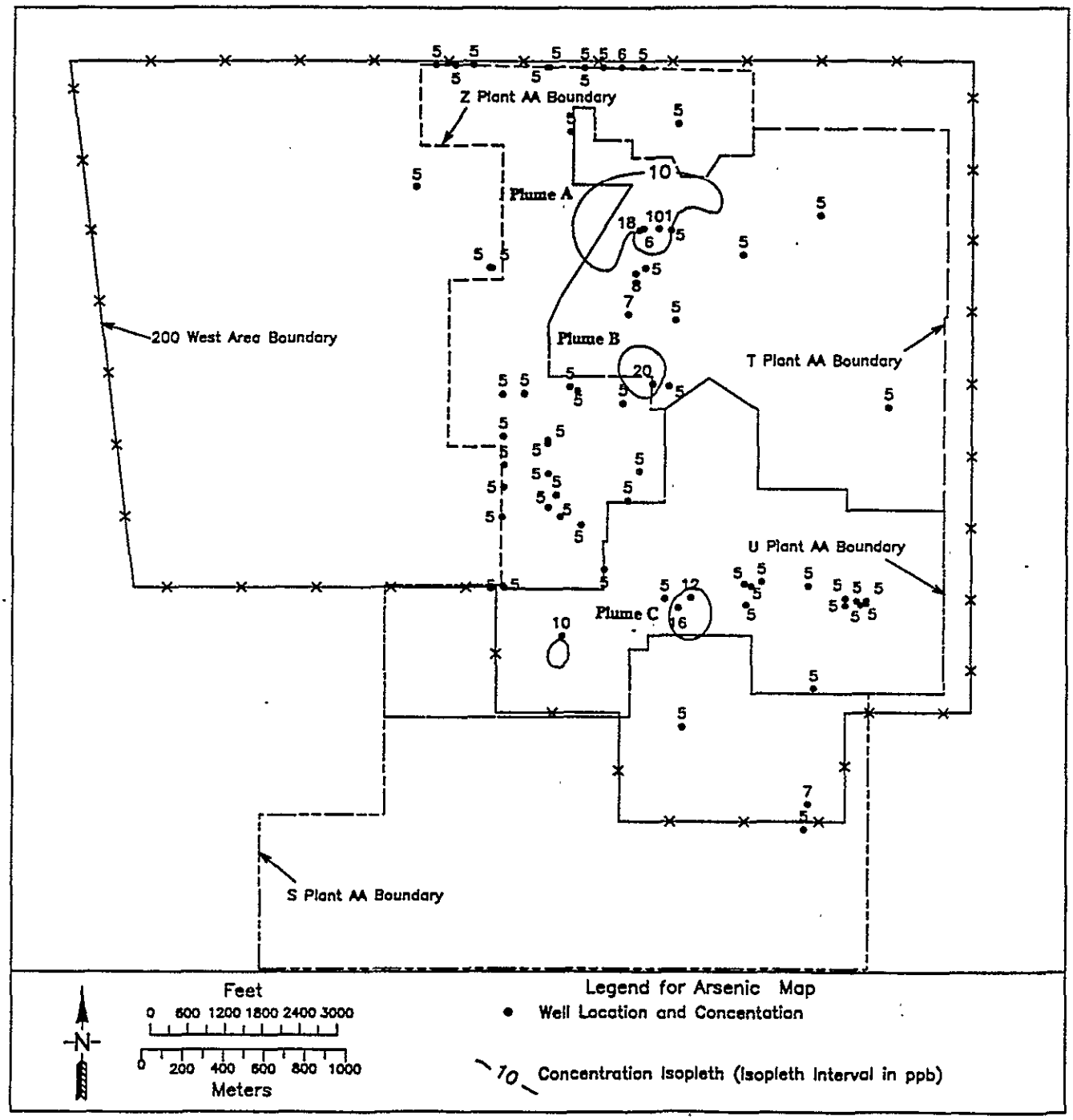

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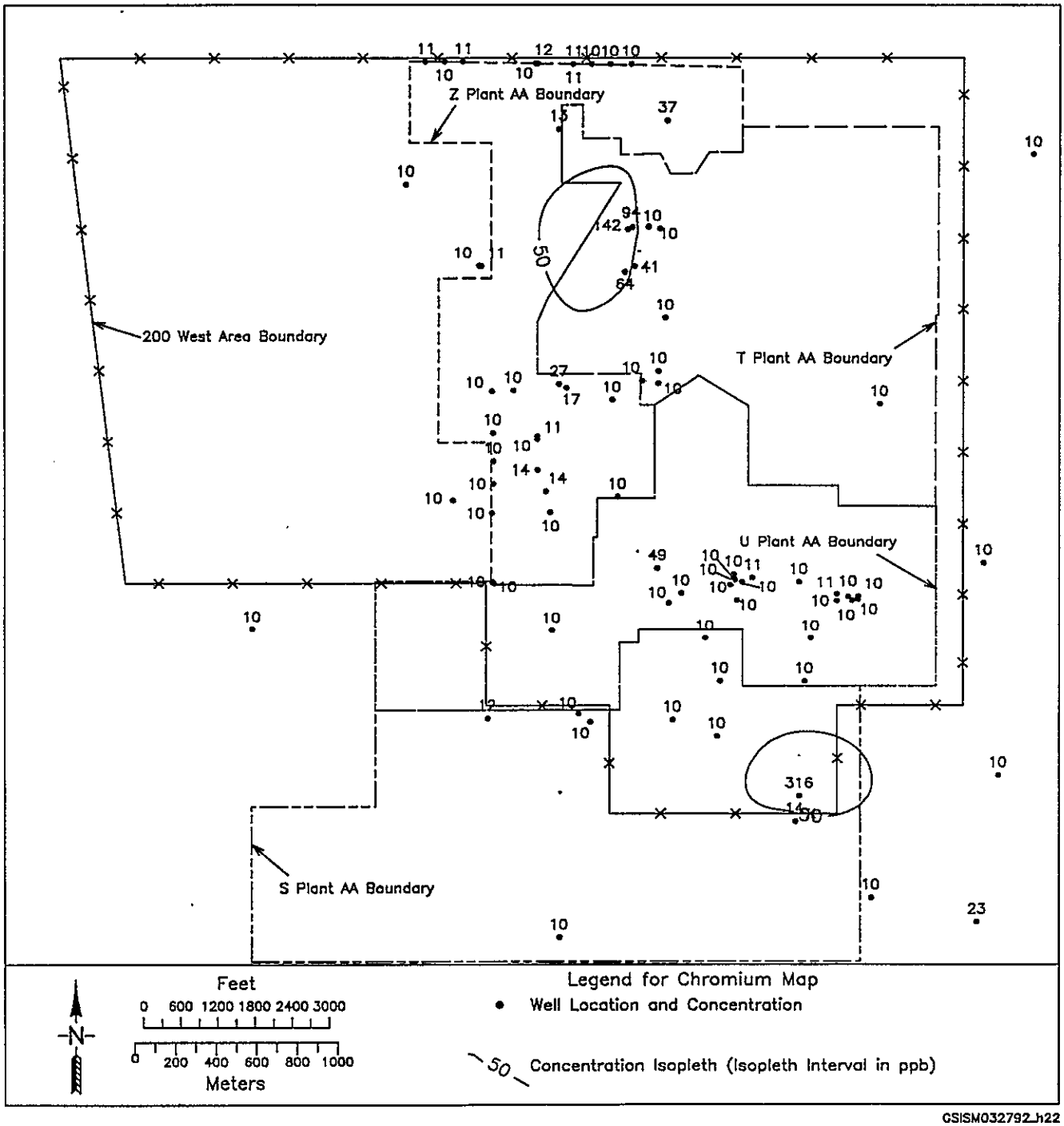
CHROMIUM



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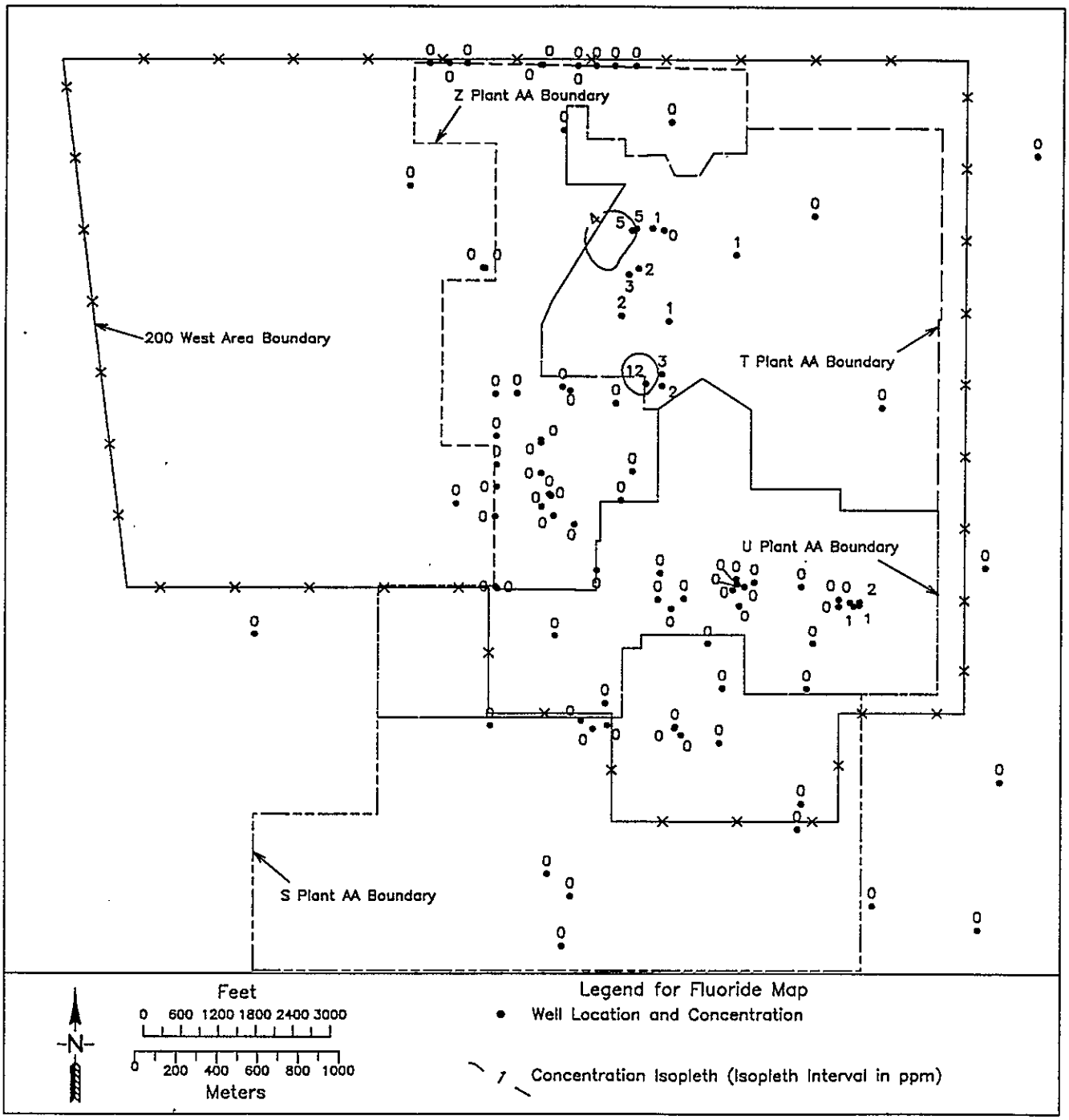
FLUORIDE



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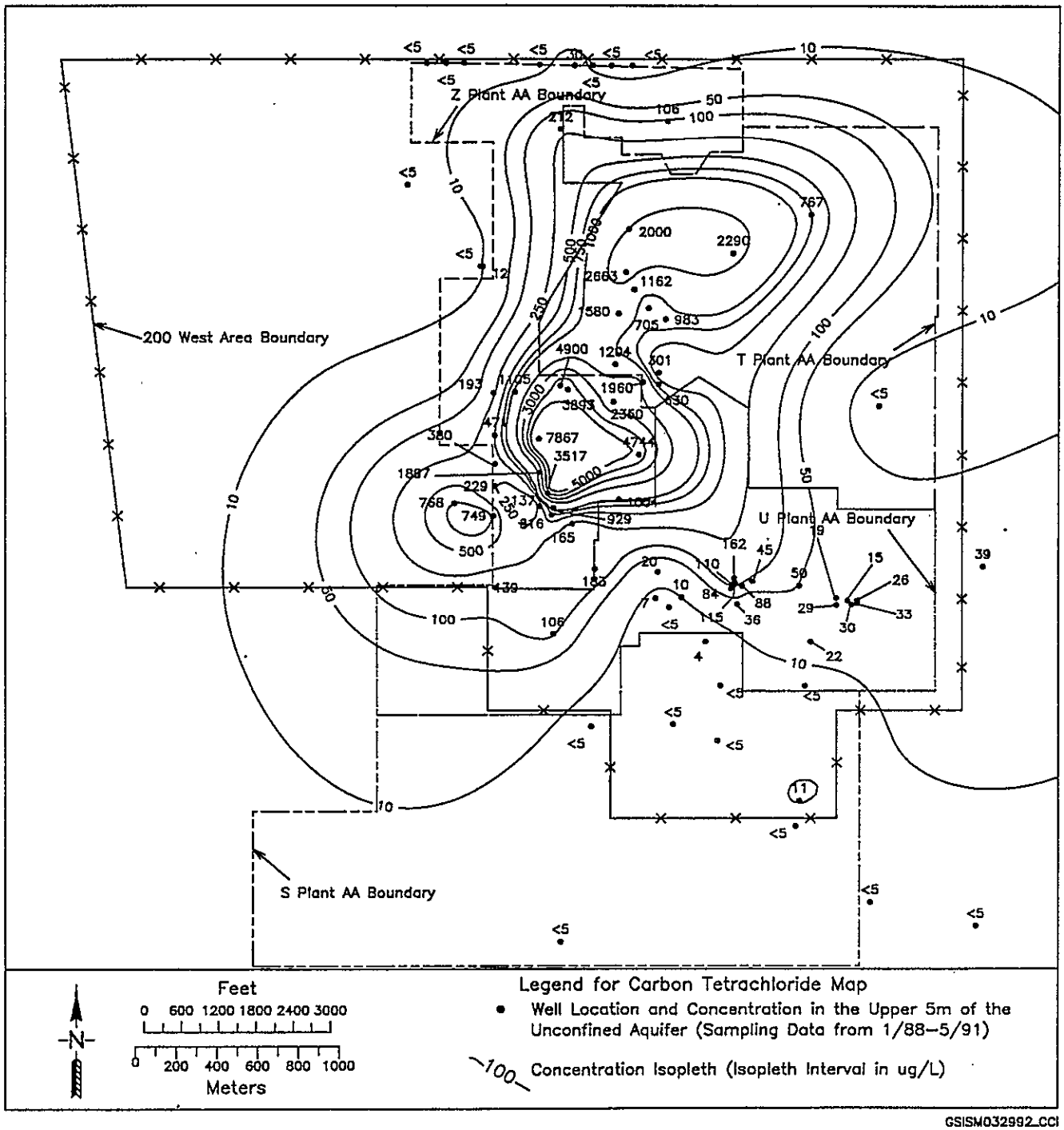
CARBON TETRACHLORIDE



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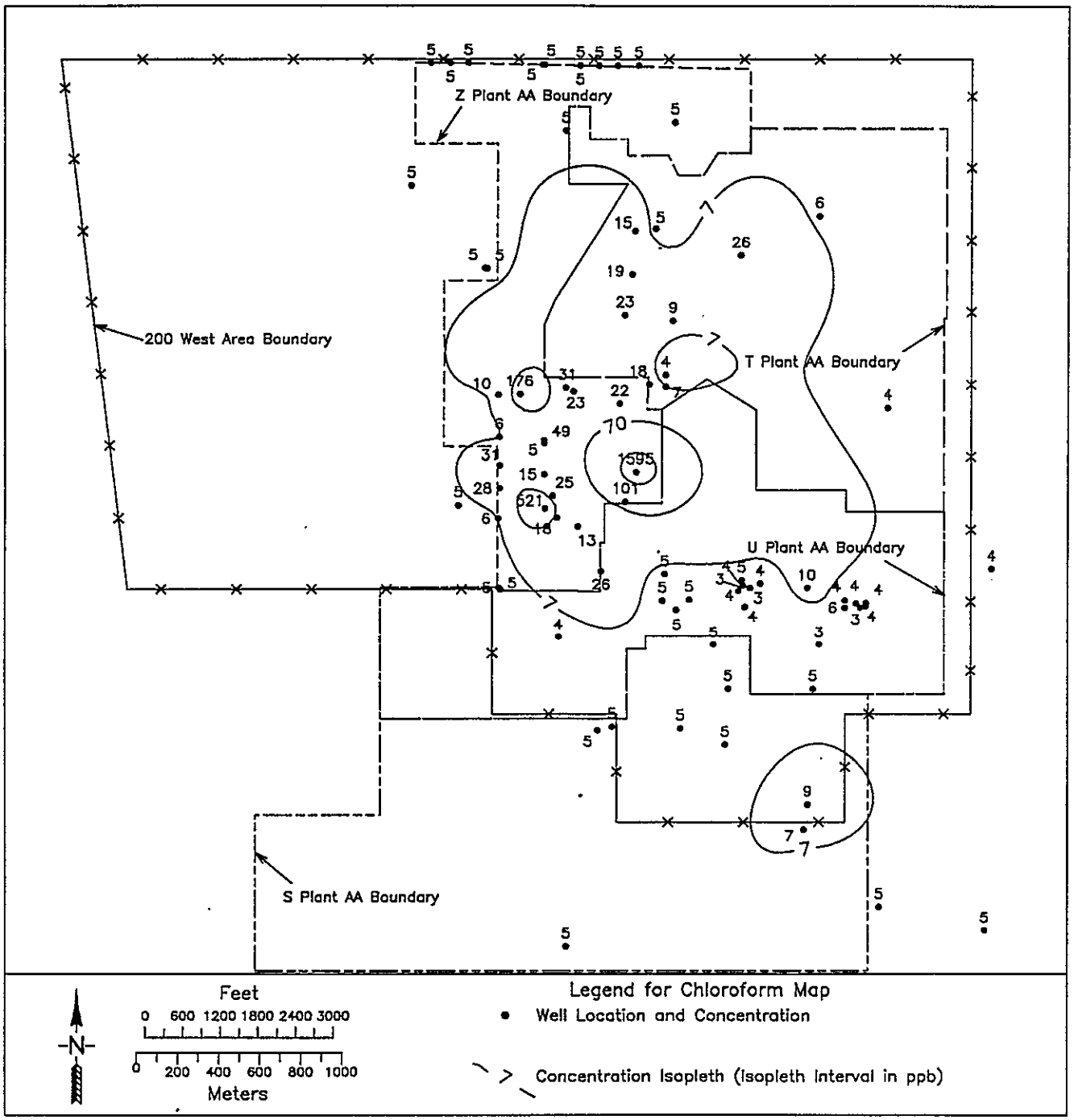
CHLOROFORM



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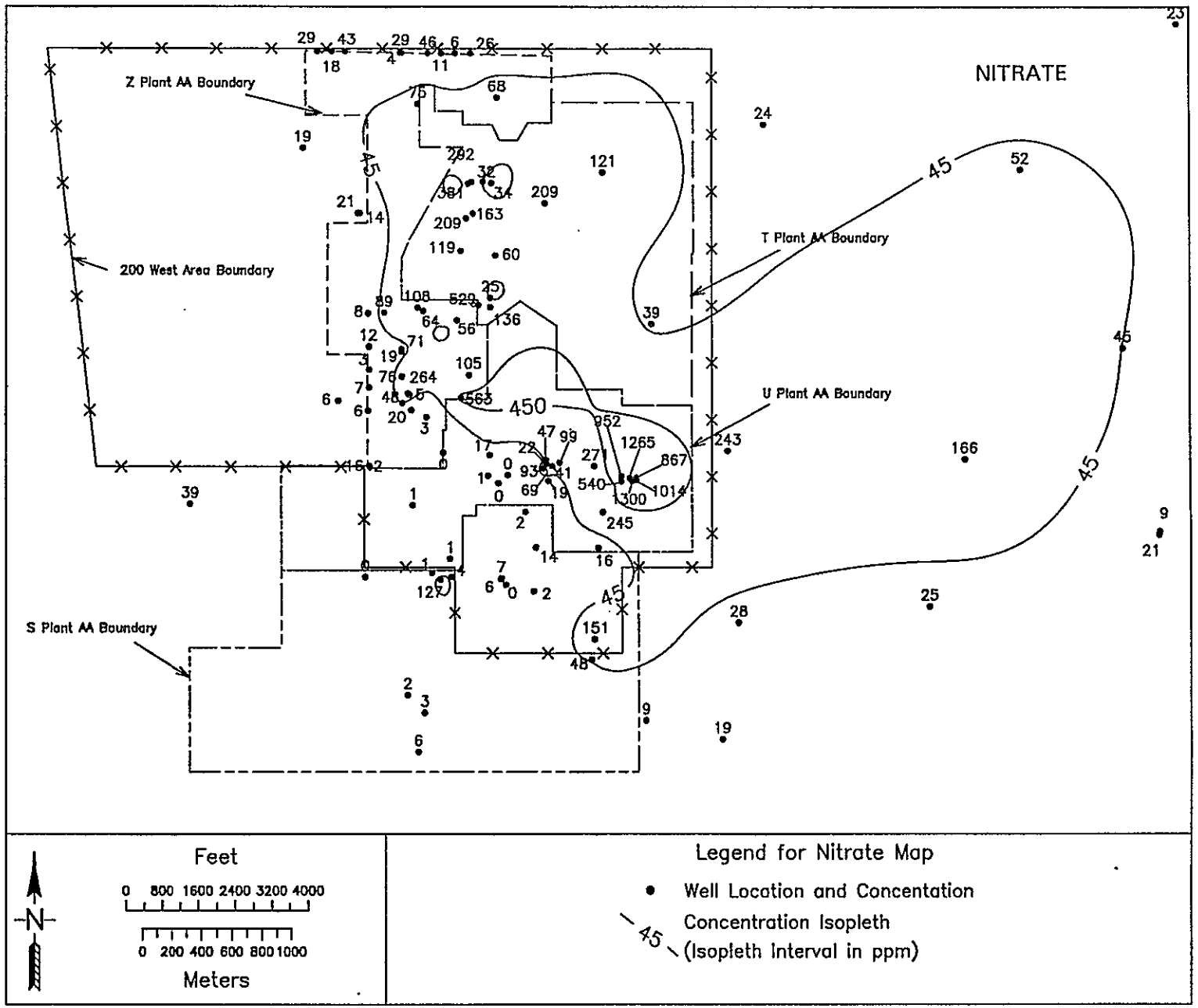

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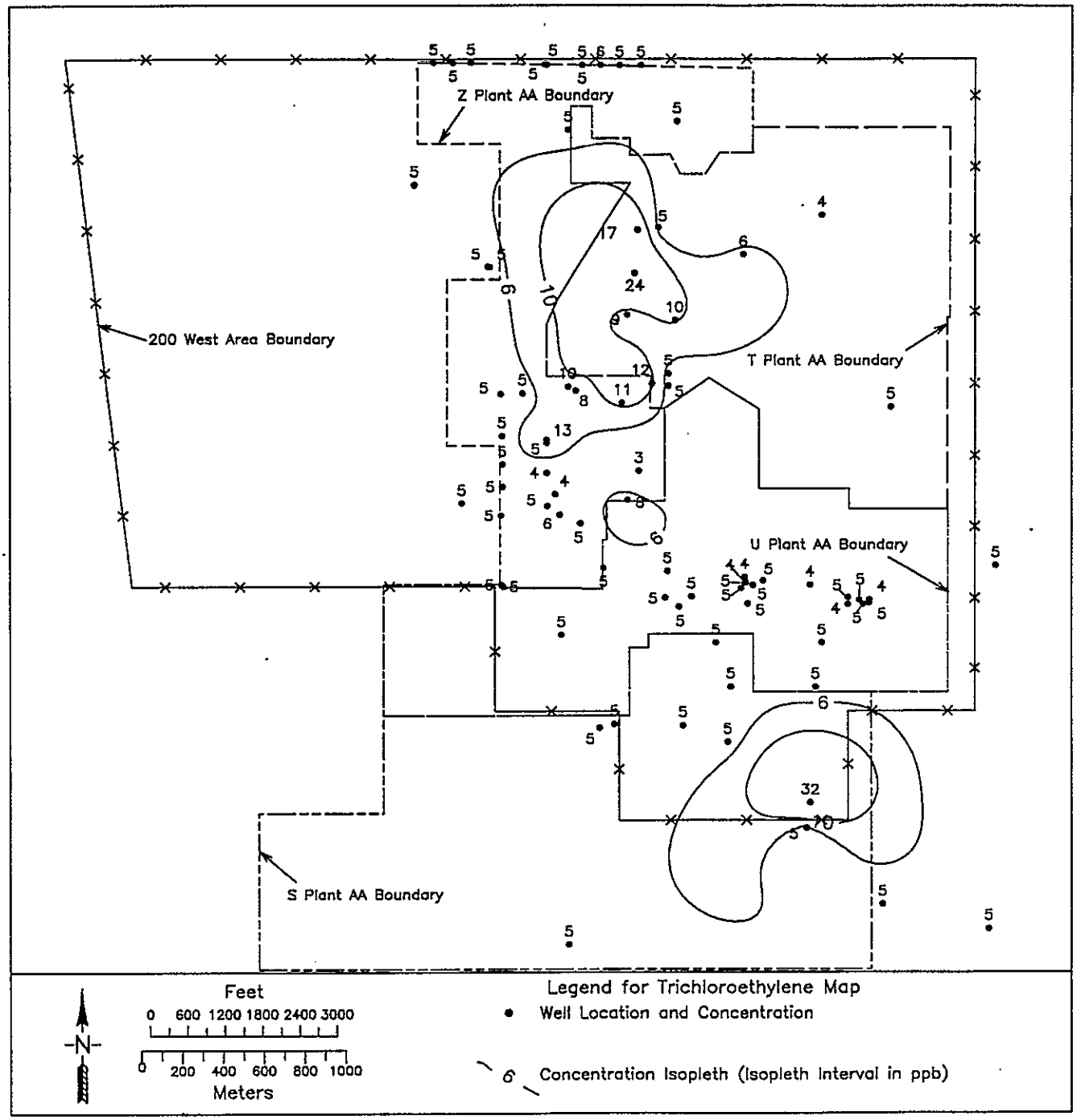
TRICHLOROETHYLENE



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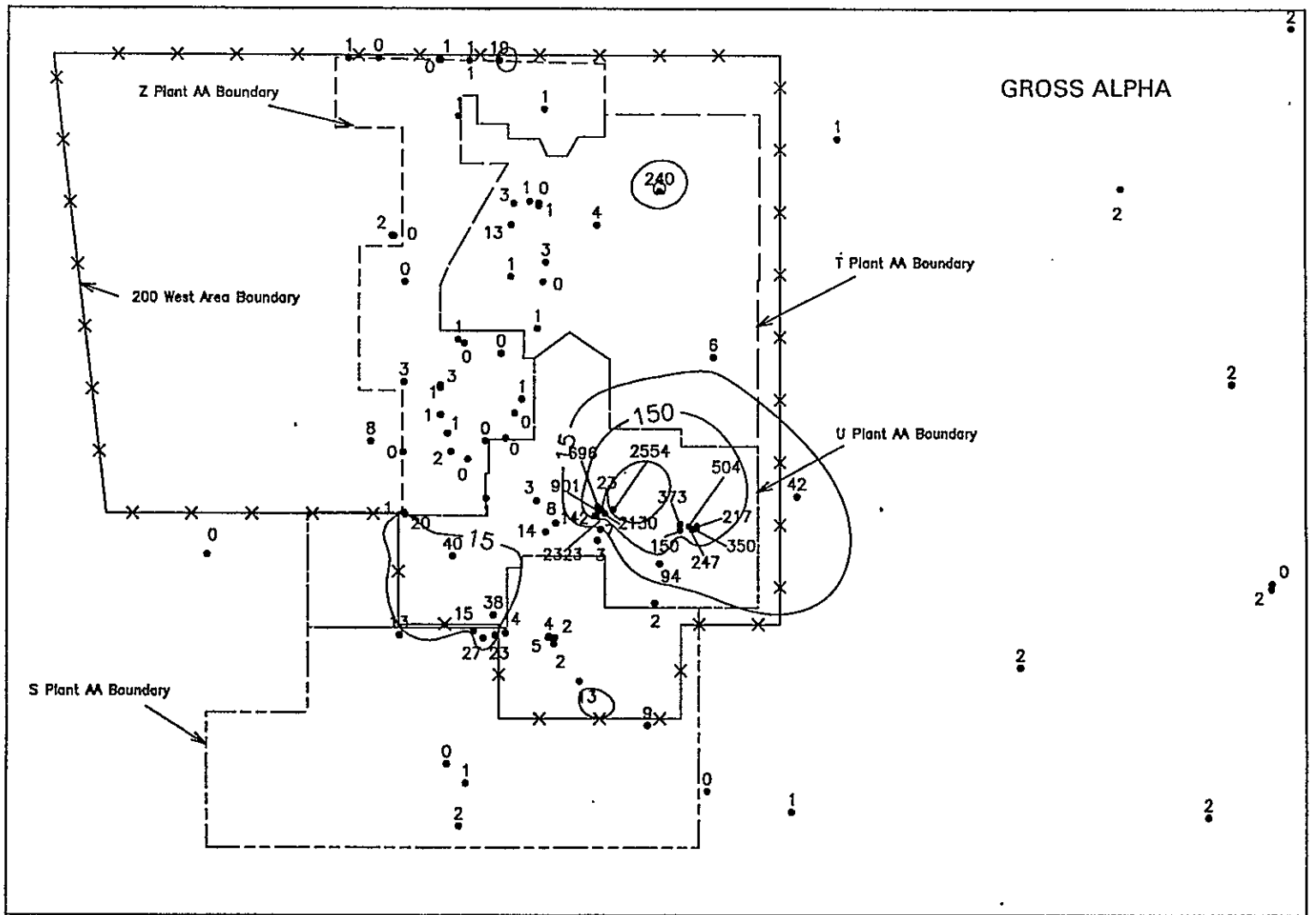

Feet

0 800 1600 2400 3200 4000

0 200 400 600 800 1000

Meters

N

Legend for Gross Alpha Map

- Well Location and Concentation
- 15 Concentration Isopleth (Isopleth Interval in pCi/L)

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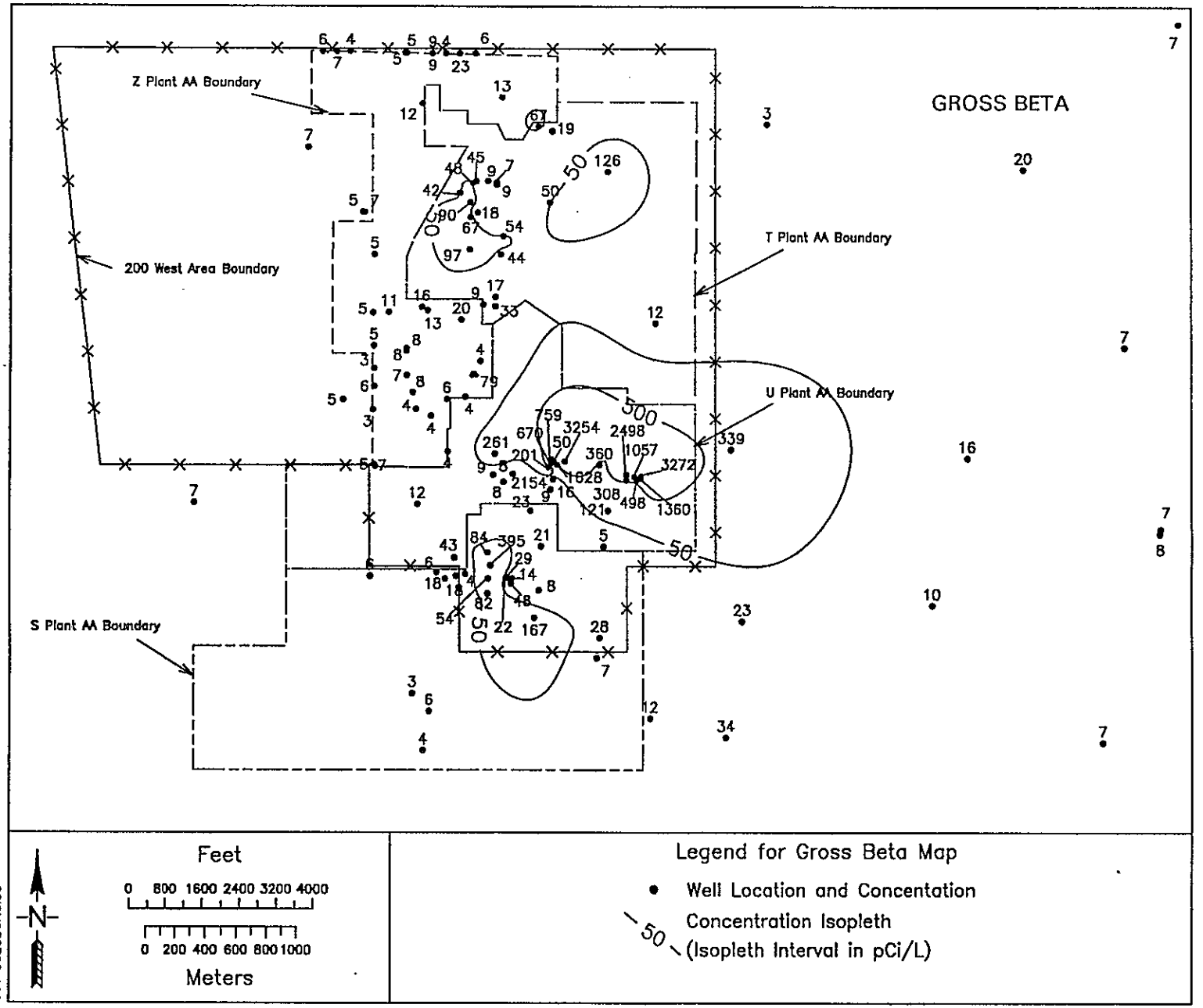
GROSS BETA
Z Plant AA Boundary
200 West Area Boundary
T Plant AA Boundary
U Plant AA Boundary
S Plant AA Boundary
Feet
0 800 1600 2400 3200 4000
0 200 400 600 800 1000
Meters
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Legend for Gross Beta Map
Well Location and Concentation
Concentration Isopleth
(Isopleth Interval in pCi/L)
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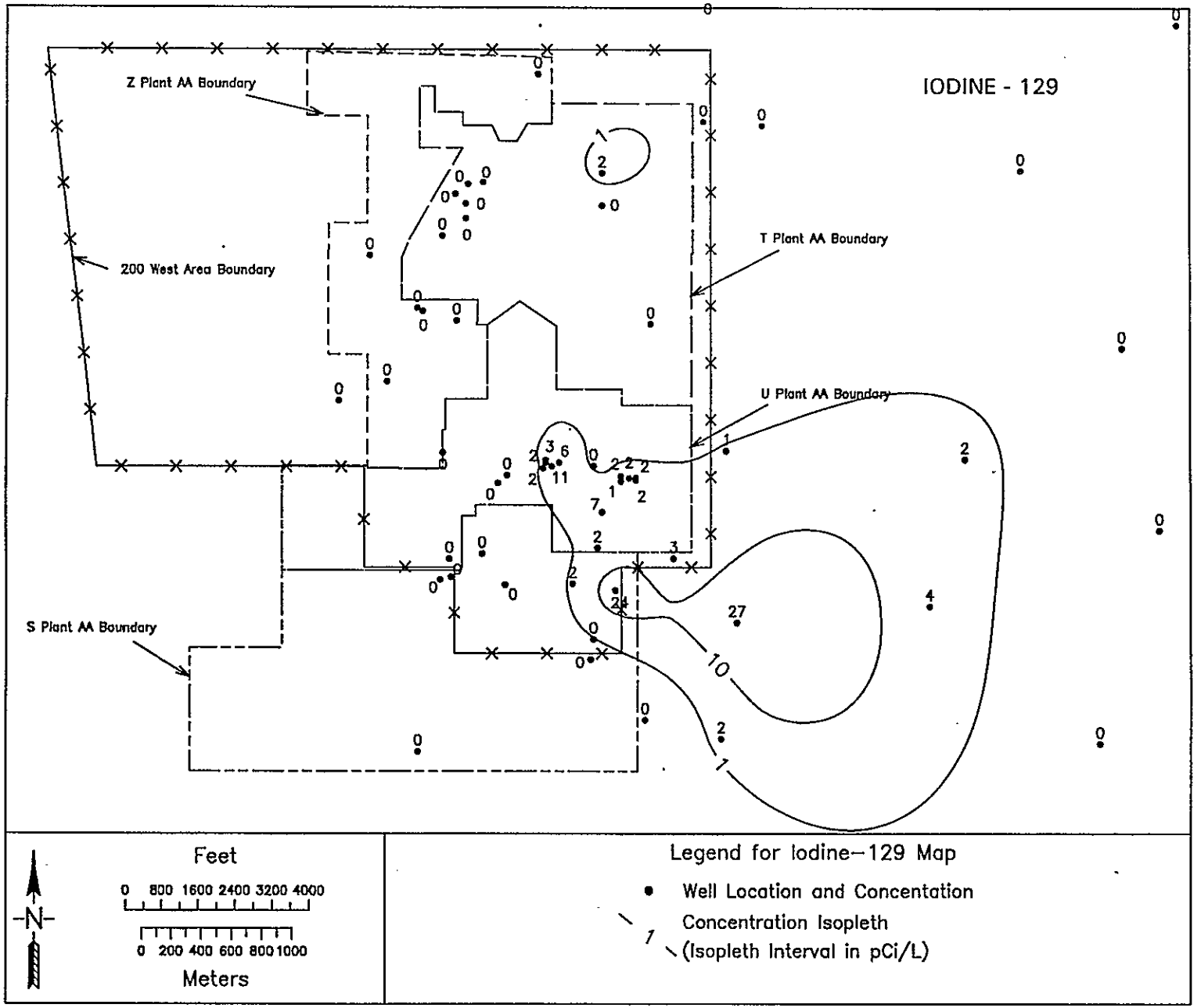

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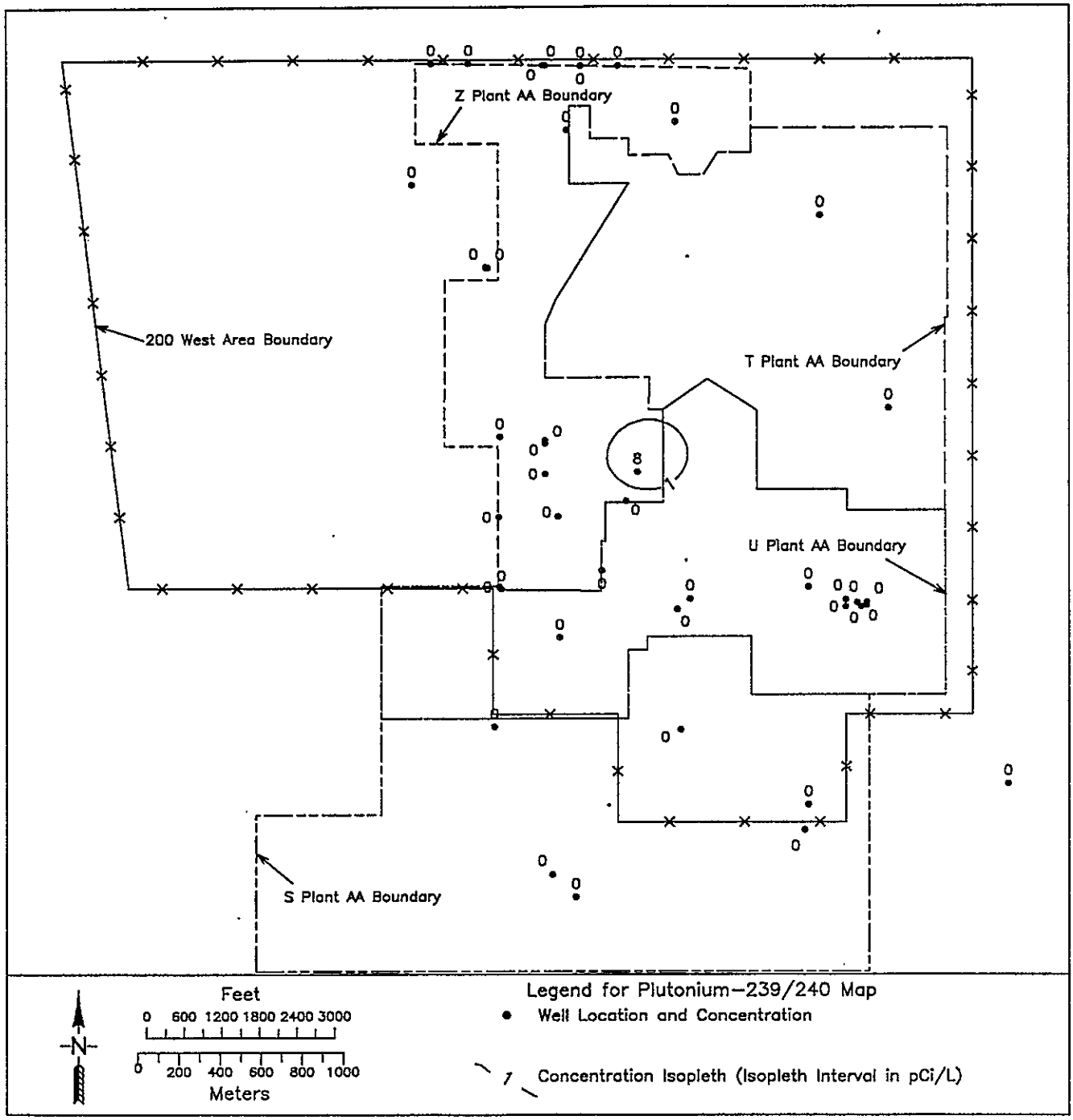
PLUTONIUM - 239/240



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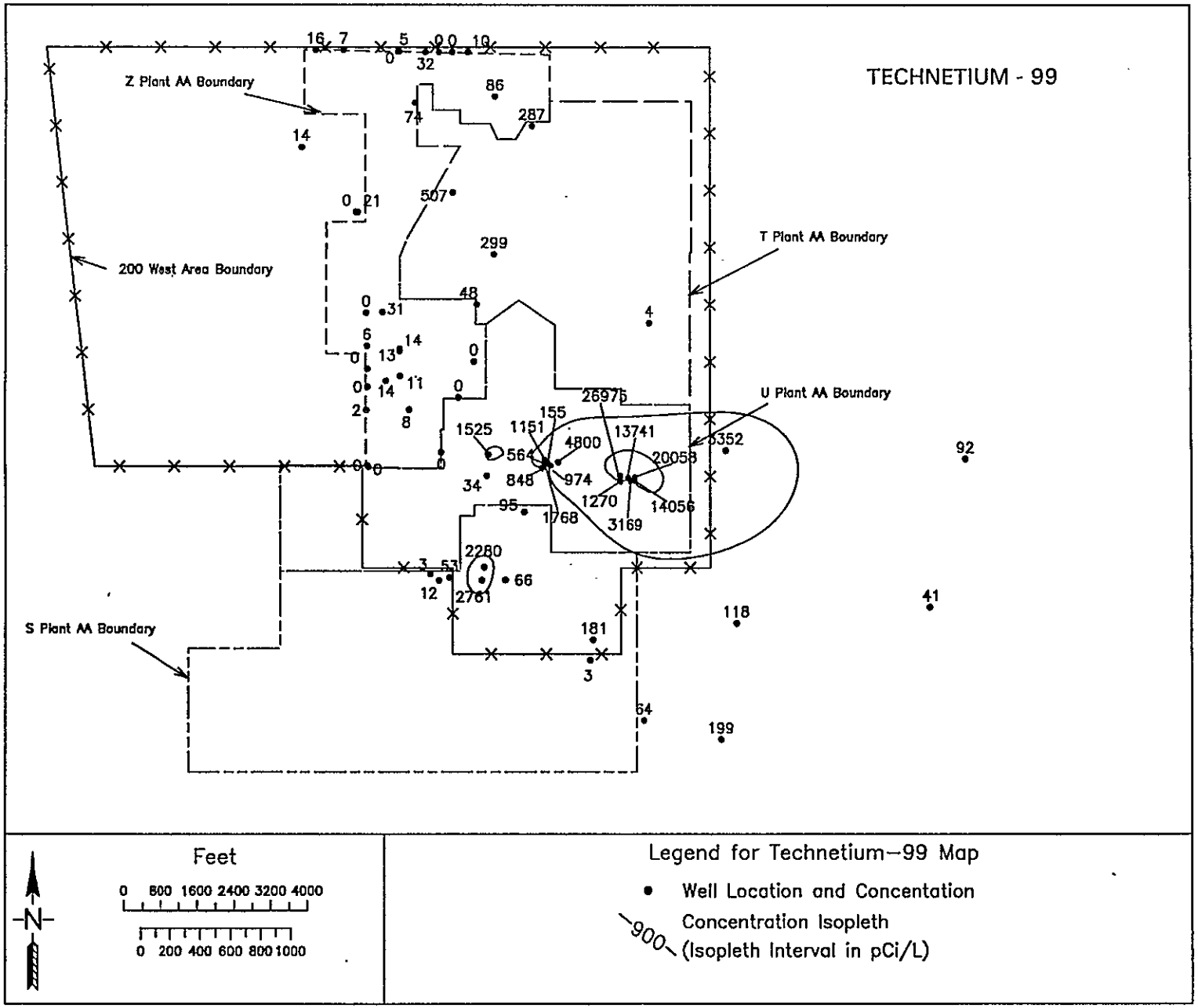

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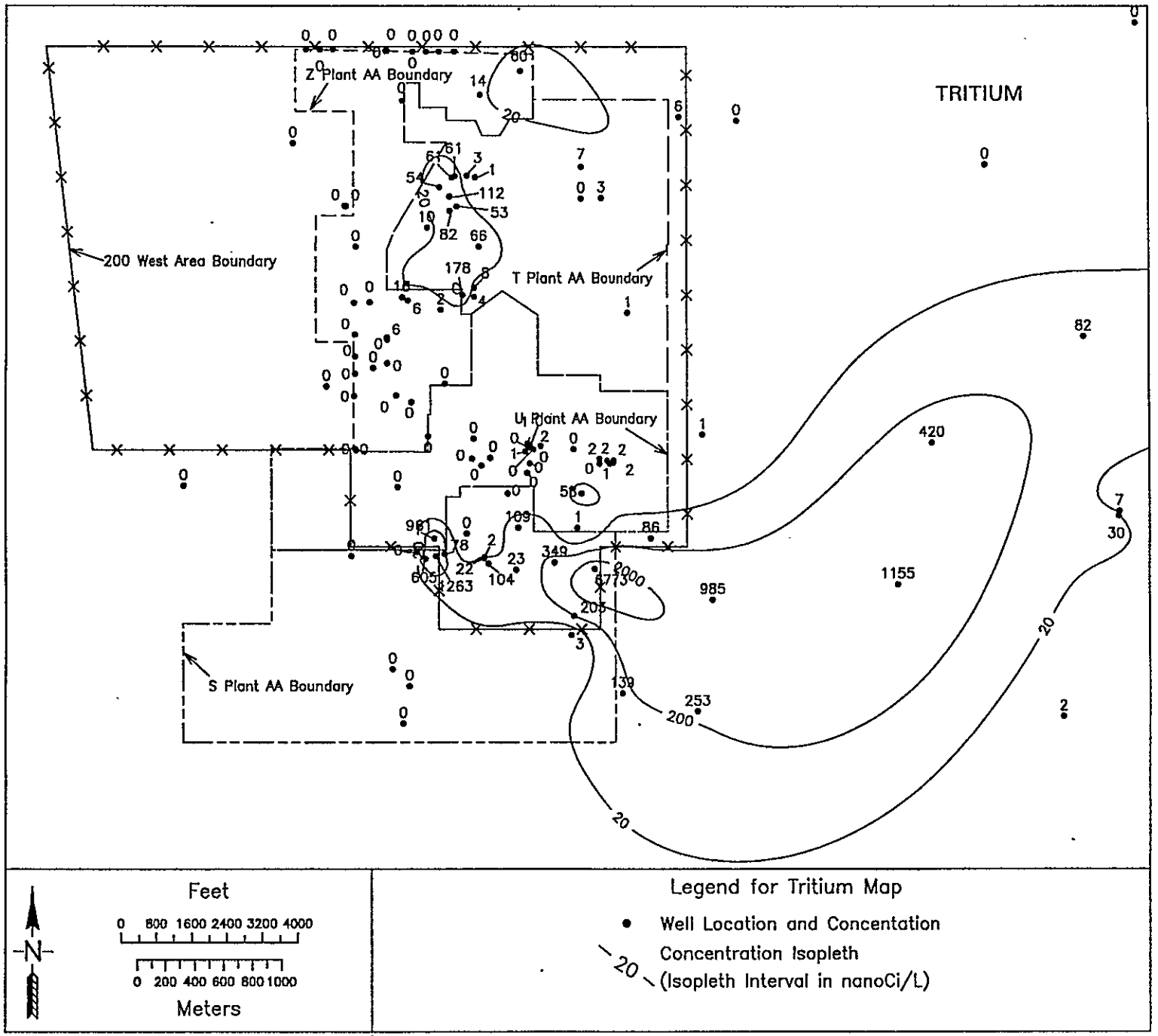
TRITIUM
Z Plant AA Boundary
200 West Area Boundary
T Plant AA Boundary
U Plant AA Boundary
S Plant AA Boundary
Feet
0 800 1600 2400 3200 4000
0 200 400 600 800 1000
Meters
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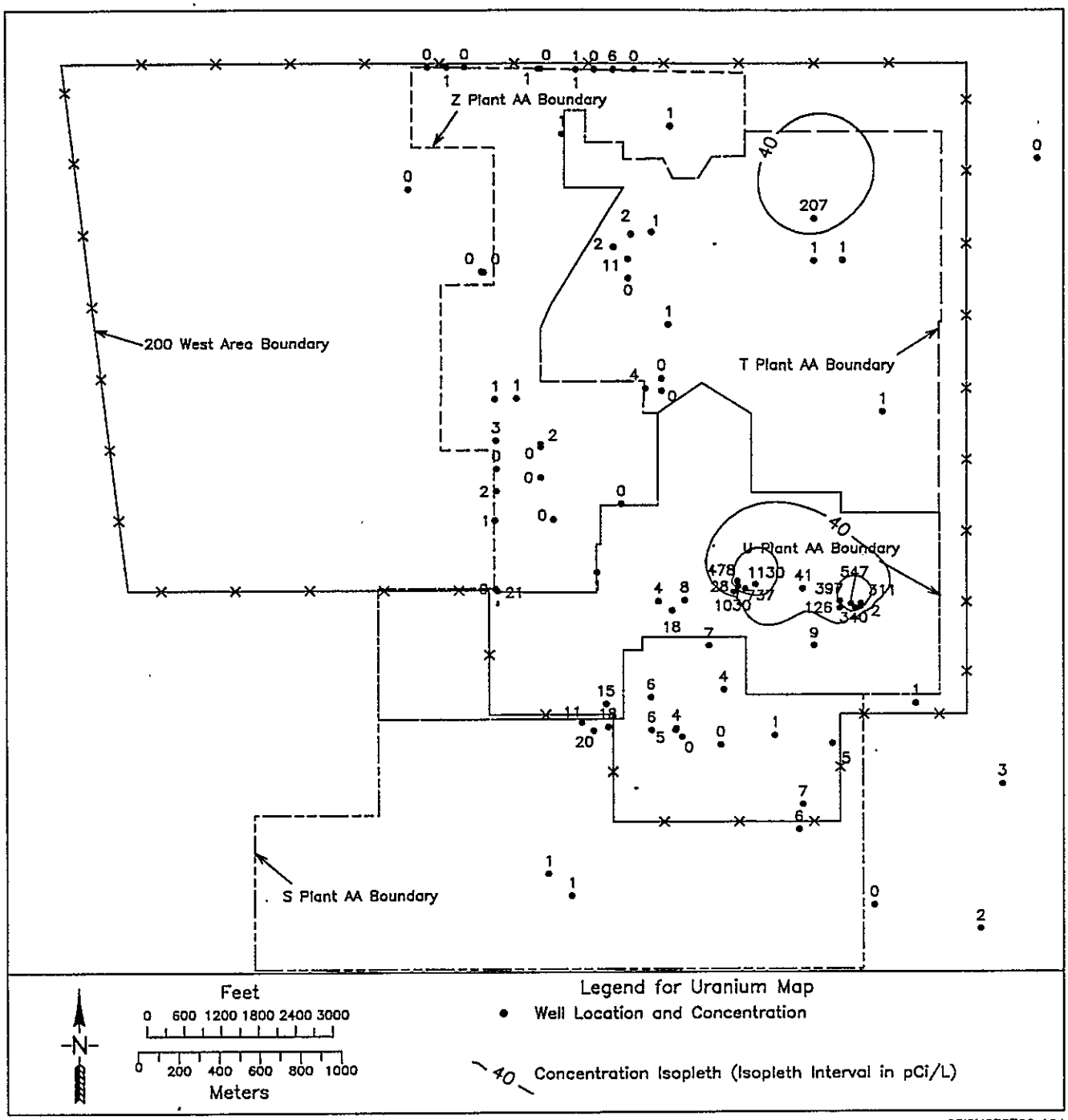
Legend for Tritium Map
Well Location and Concentation
Concentration Isopleth
(Isopleth Interval in nanoCi/L)
20
GSIS0032792.108

URANIUM



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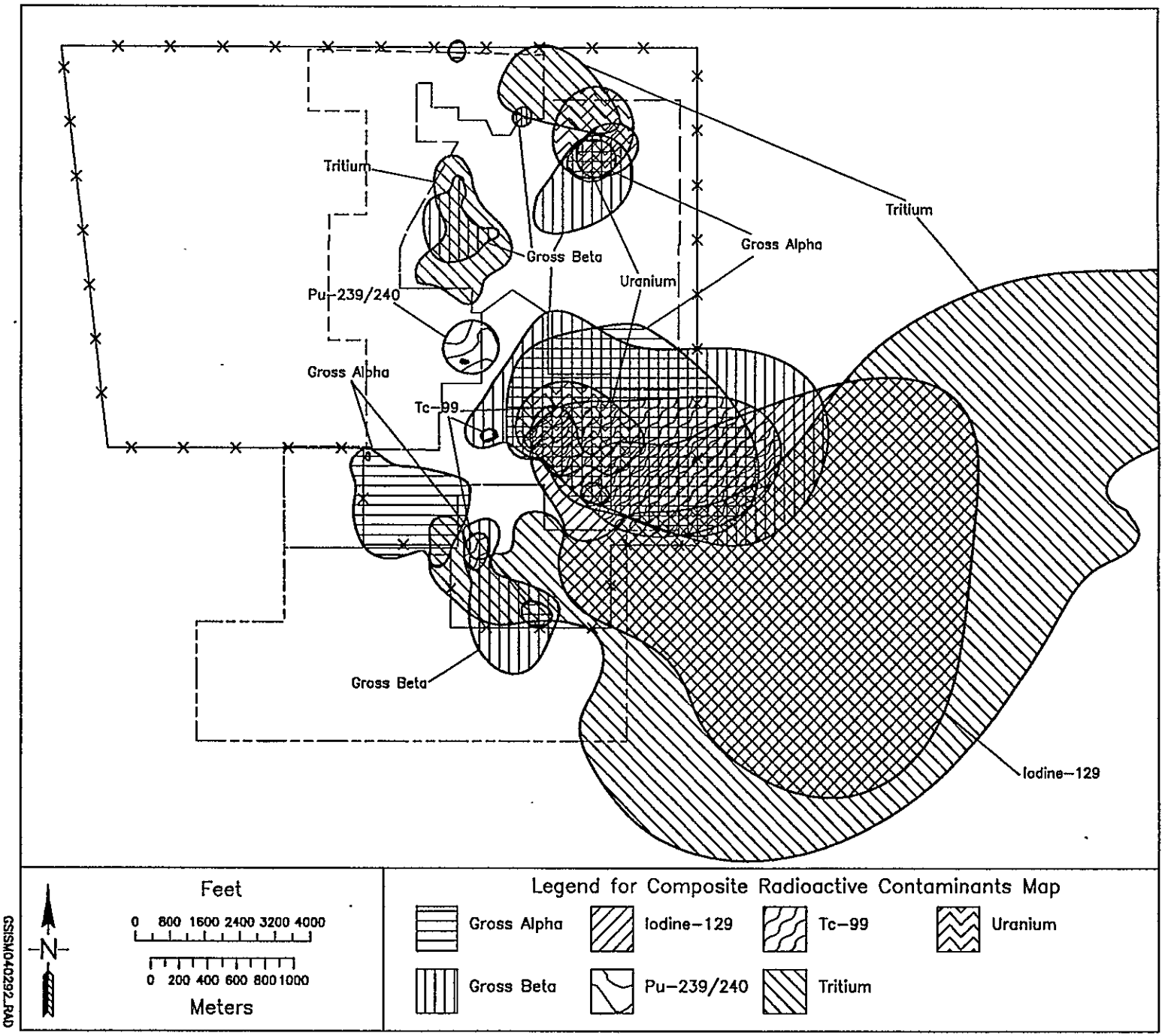

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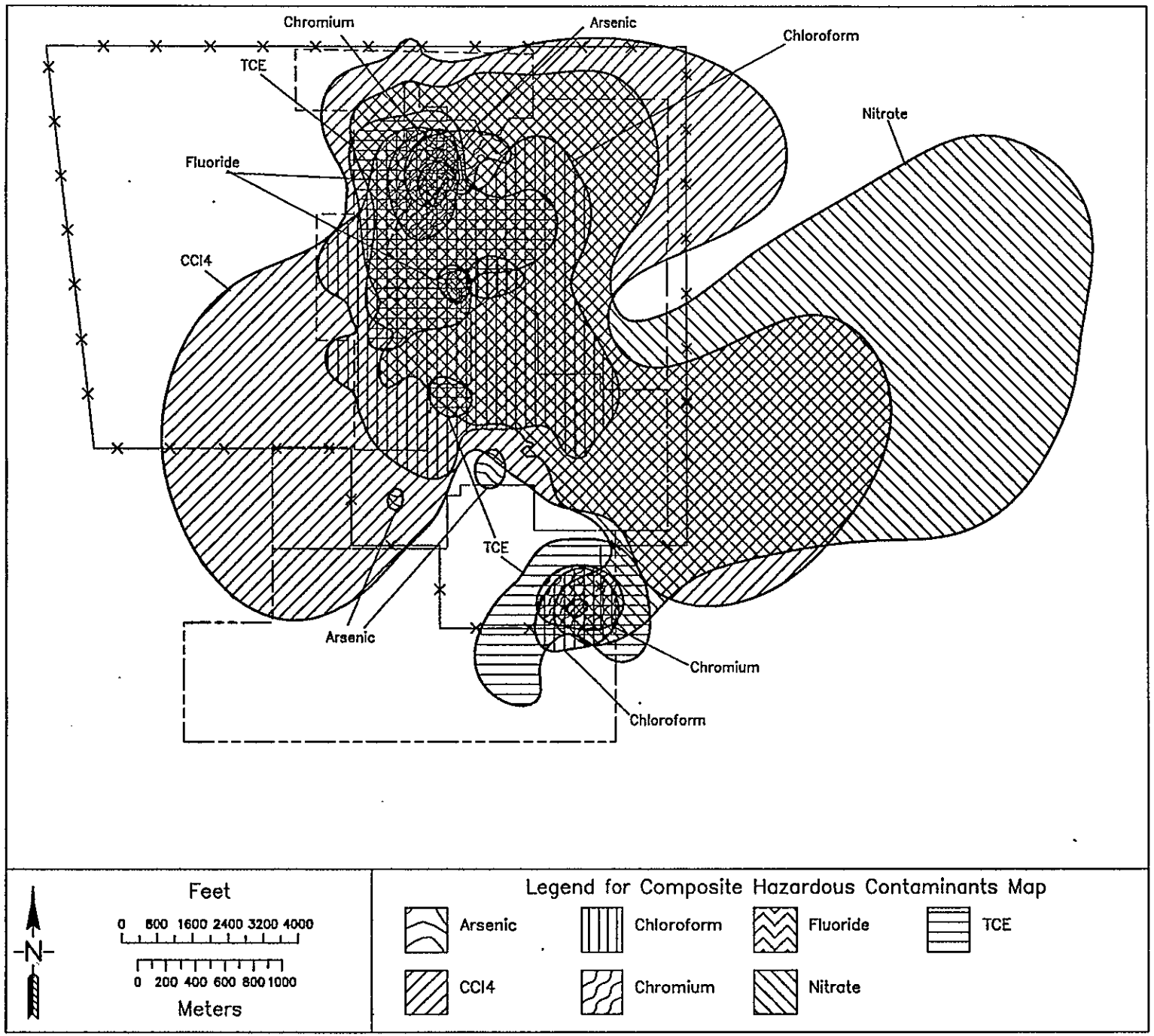
Chromium
Arsenic
Chloroform
TCE
Nitrate
Fluoride
CCl4
TCE
Arsenic
Chromium
Chloroform
Feet
0 800 1600 2400 3200 4000
0 200 400 600 800 1000
Meters
N
Legend for Composite Hazardous Contaminants Map
Arsenic
Chloroform
Fluoride
TCE
CCl4
Chromium
Nitrate
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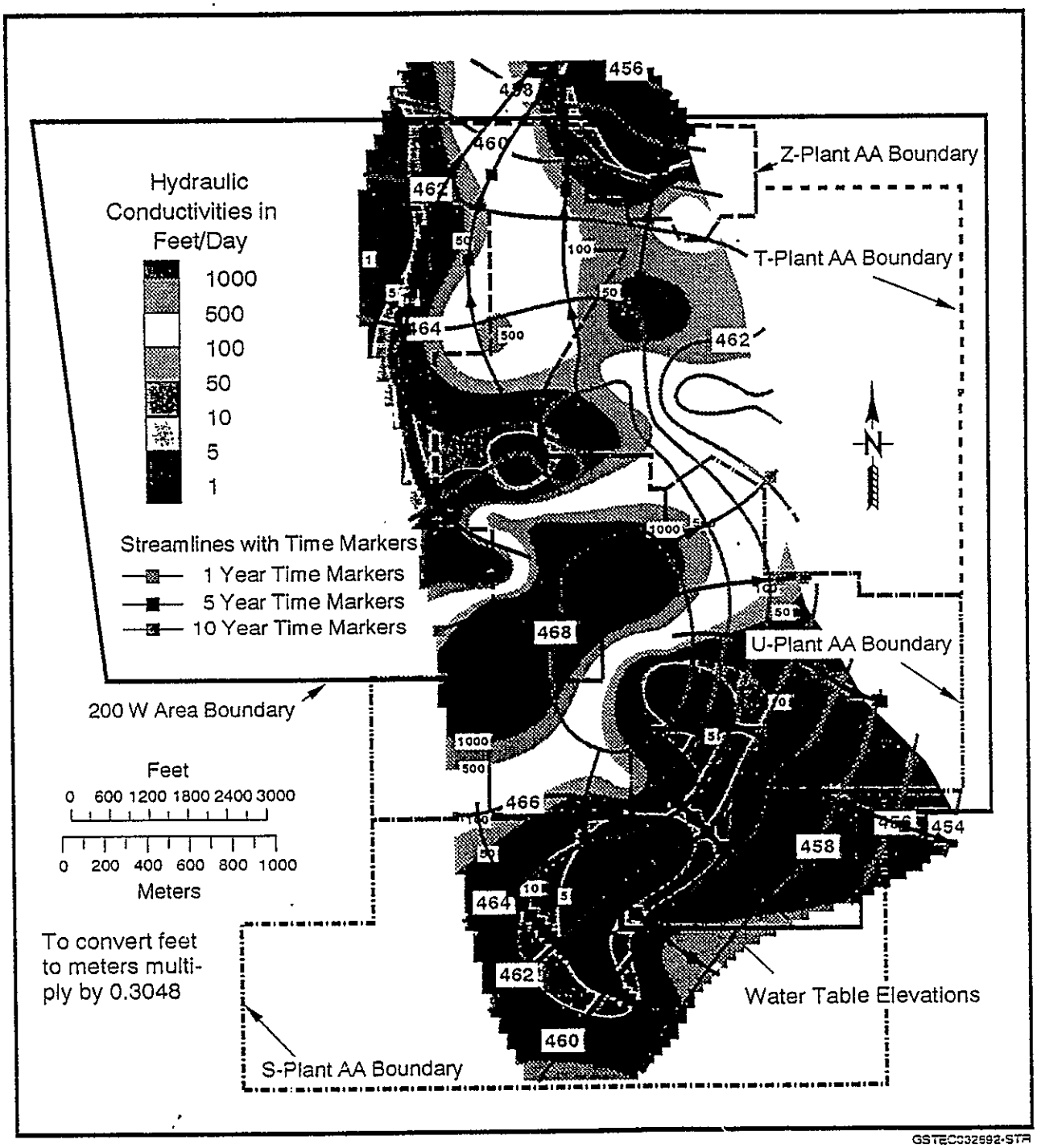

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Attachment #8

200-UP-2 SOURCE WORK PLAN STATUS-

- WORK PLAN IS BEING REVISED TO INCORPORATE WHC COMMENTS
- CHANGE REQUEST (CURRENTLY OUT FOR SIGNATURE) HAS BEEN PREPARED TO ADDRESS:
  - COMBINE 200-UP-1 AND 200-UP-2 SOURCE OPERABLE UNIT
  - ASSIGN GROUNDWATER PORTION TO 200-UP-1 OPERABLE UNIT
  - MOVE MILESTONE FOR 200-UP-1/200-UP-2 SOURCE OPERABLE UNIT TO AUGUST 1992
- WHC IS WORKING WITH SUBCONTRACTOR TO INCLUDE 200-UP-1 SOURCE OPERABLE UNIT INTO 200-UP-2 SOURCE WORK PLAN

9 2 1 2 5 1 4 0 3 9 5

Distribution

Unit Manager's Meeting: 200 Aggregate Area/200 Area Operable Units
May 28, 1992

Roger D. Freeberg . . . . . Chief, Rstr. Br., DOE-RL, ERD/EPB (A5-19)
Ronald E. Gerton . . . . . DOE-RL, TFP (A4-02)
Mike Thompson, ... DOE-RL, EAP/RPB (A5-15)
Diane Clark, ... DOE-RL, TSD/SSB (A5-55)
Mary Harmon, ... DOE-HQ (EM-442)
Suzanne Clarke, ... SWEC, GSSC to DOE-RL (A4-35)

Doug Sherwood . . . . . 200 Aggregate Area Manager, EPA (B5-01)
Ward Staubitz, ... USGS, Support to EPA
Audree DeAngeles, ... PRC, Support to EPA

Darci Teel . . . . . 200 Aggregate Area Manager, WDOE, (Kennewick)
Larry Goldstein . . . . . WDOE, (Lacey)

Richard D. Wojtasek, ... WHC, Program. Manager (L4-92)
Curt Wittreich, ... WHC, (H4-55)
Tom Wintczak, ... WHC, (L4-92)
Mel Adams, ... WHC, (H4-55)
L.D. Arnold, ... WHC, (B2-35)
Rich Carlson, ... WHC, (H4-55)
M.J. Galgoul, ... WHC, (H4-55)

Don Praast, ... GAO (A1-80)

ADMINISTRATIVE RECORD: 200 AAMS; Care of EDMC, WHC (H4-22)

This list has been updated. Please inform Suzanne Clarke (SWEC) of deletions or additions to the distribution list.

9 2 1 2 8 1 0 3 9 6