APPENDIX 5-D

Historic Water Level Contour Maps

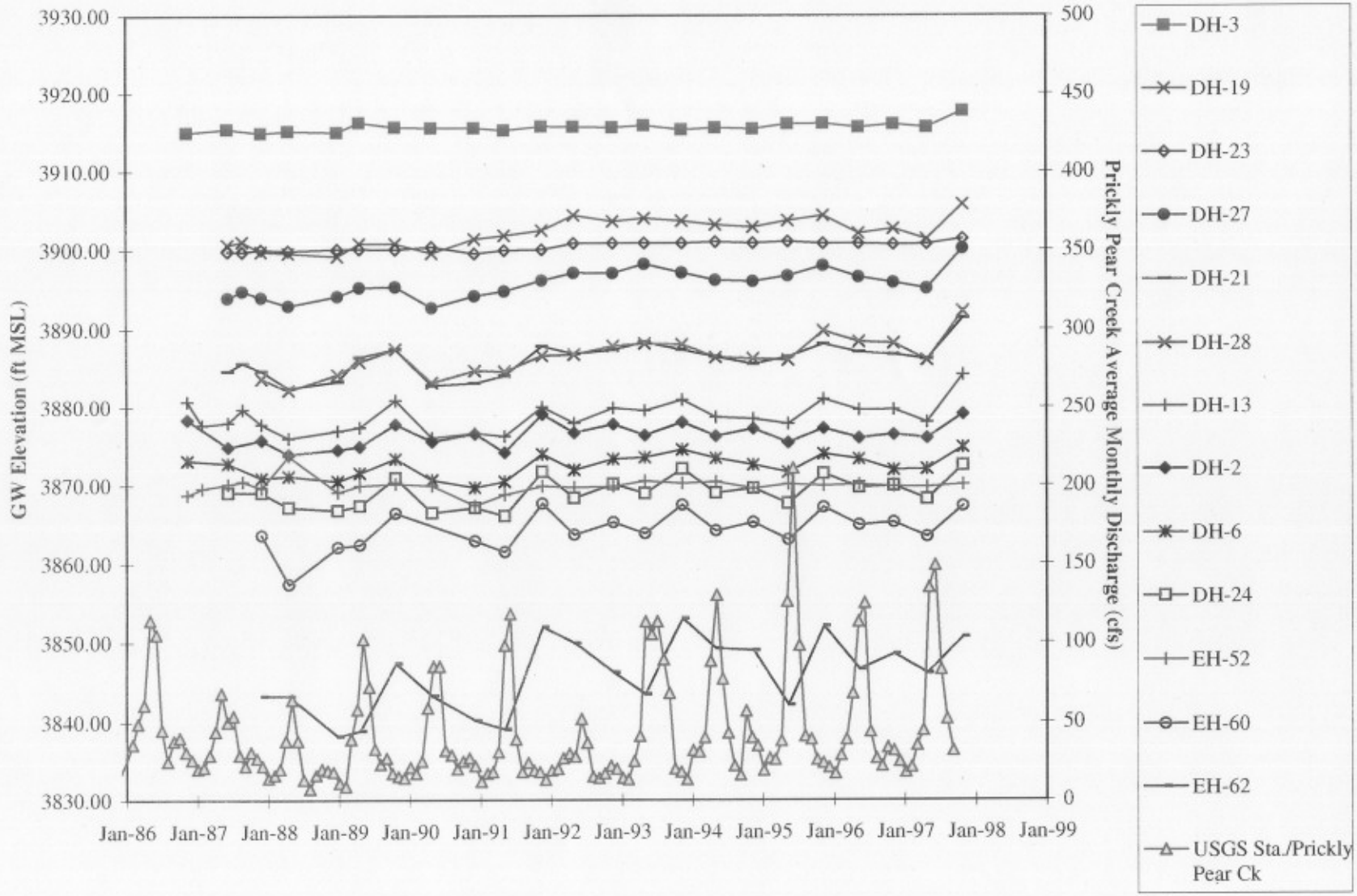
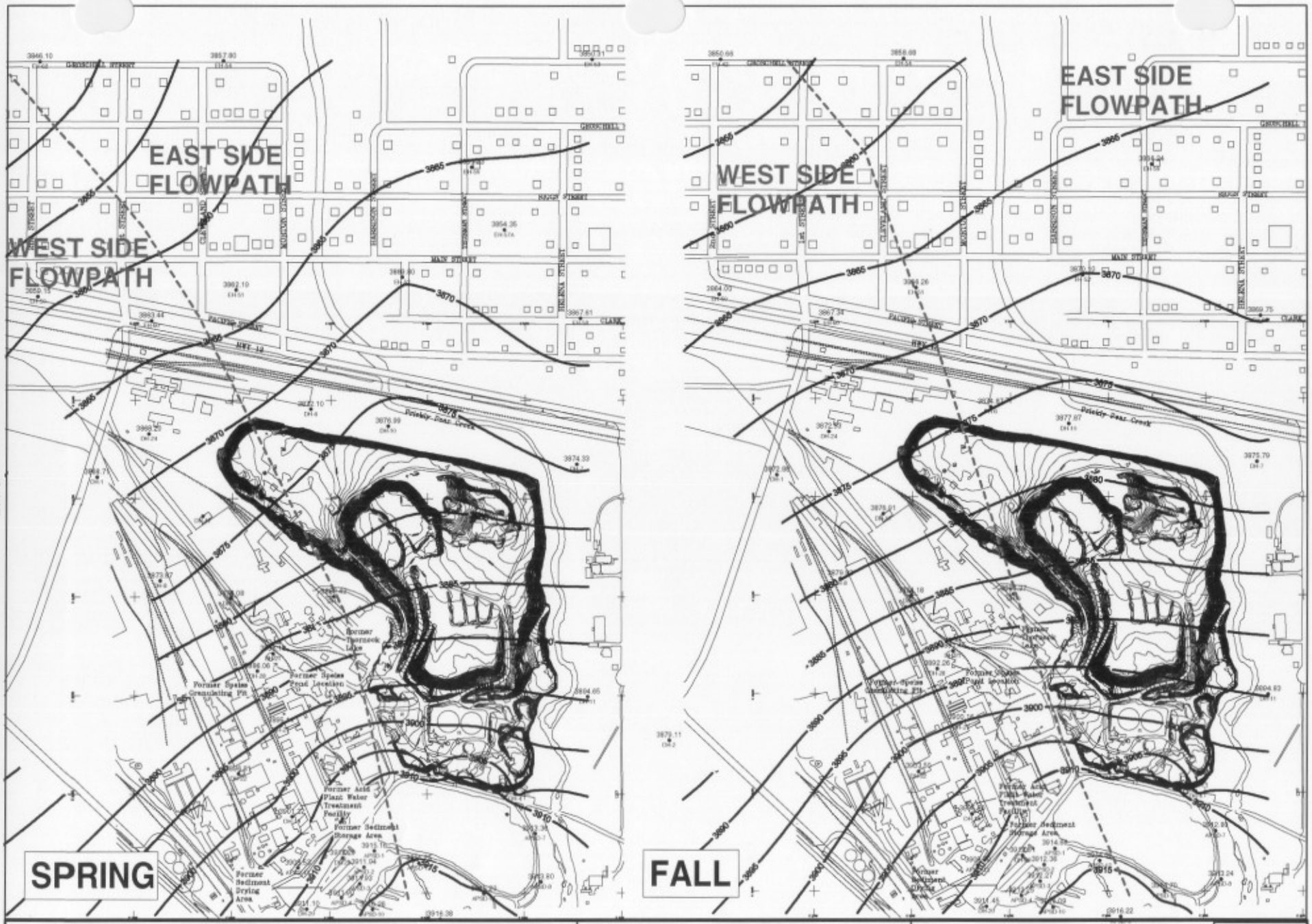


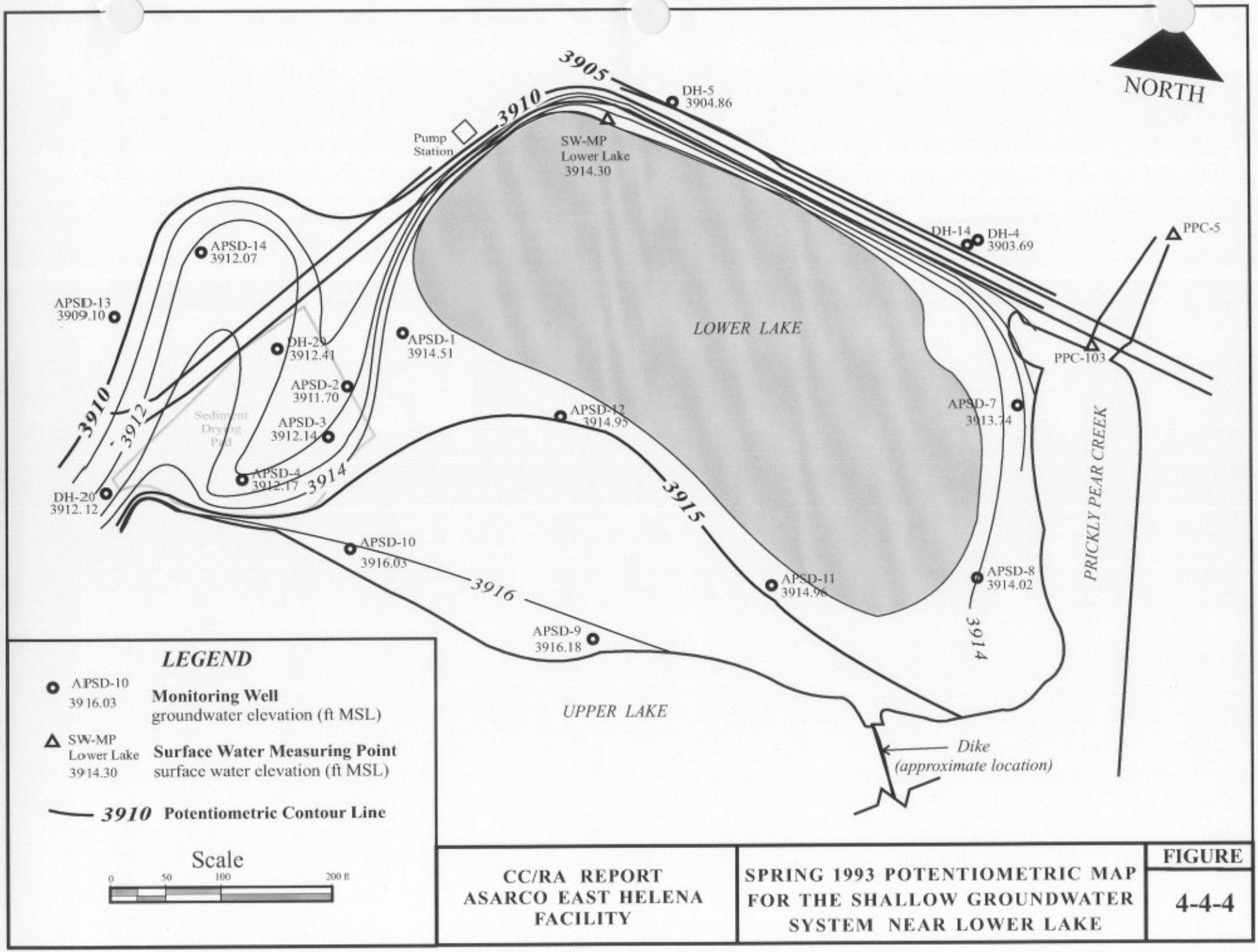
FIGURE 4-4-2. WATER LEVEL ELEVATIONS FROM SELECTED MONITORING SITES



CC/RA REPORT
EAST HELENA FACILITY

SPRING AND FALL 1997 POTENTIOMETRIC MAPS FOR THE SHALLOW GROUNDWATER SYSTEM

FIGURE 4-4-3



CC/RA REPORT ASARCO EAST HELENA FACILITY	SPRING 1993 POTENTIOMETRIC MAP FOR THE SHALLOW GROUNDWATER SYSTEM NEAR LOWER LAKE	FIGURE 4-4-4

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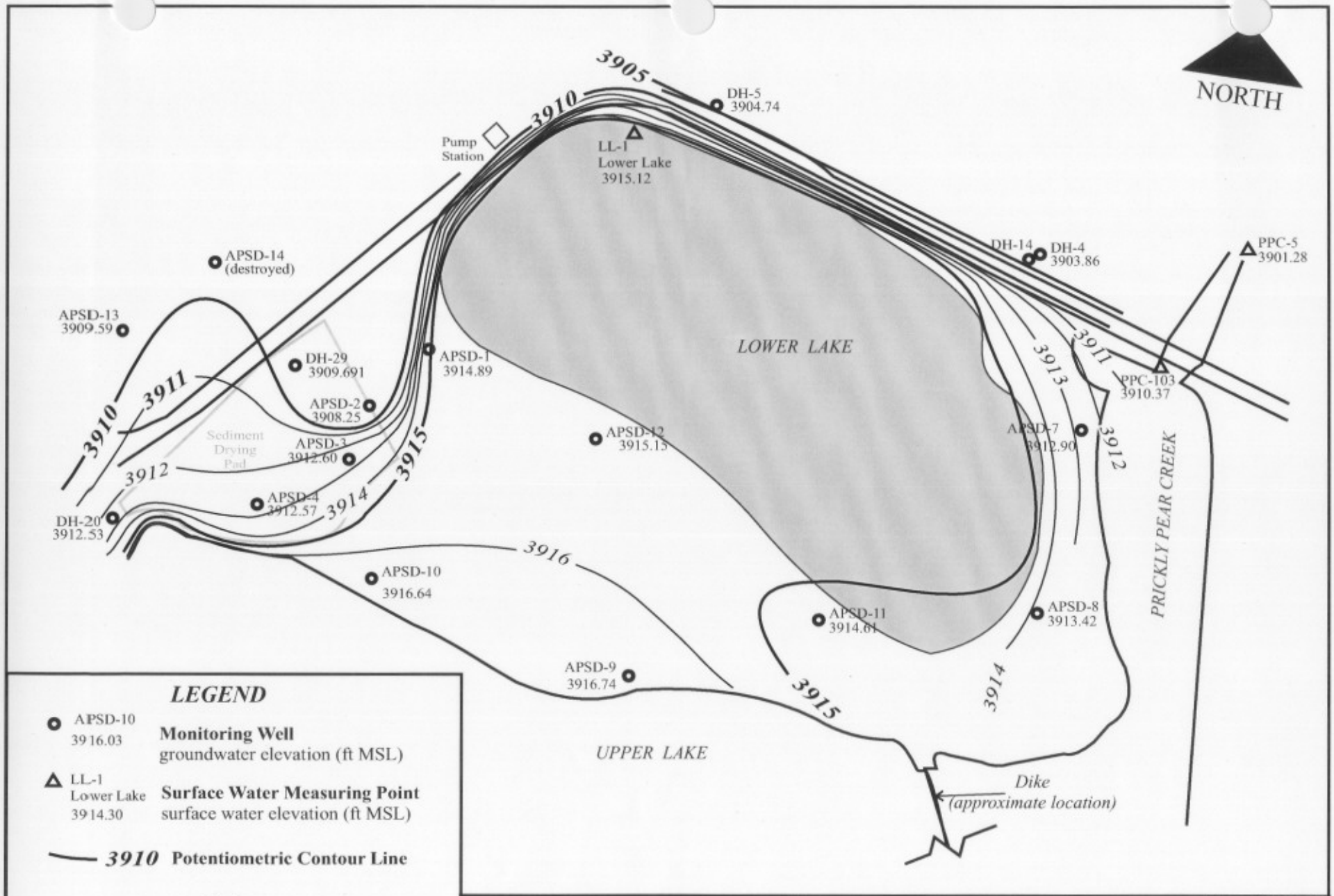

CC/RA REPORT ASARCO EAST HELENA FACILITY	FALL 1995 POTENTIOMETRIC MAP FOR THE SHALLOW GROUNDWATER SYSTEM NEAR LOWER LAKE	FIGURE 4-4-5

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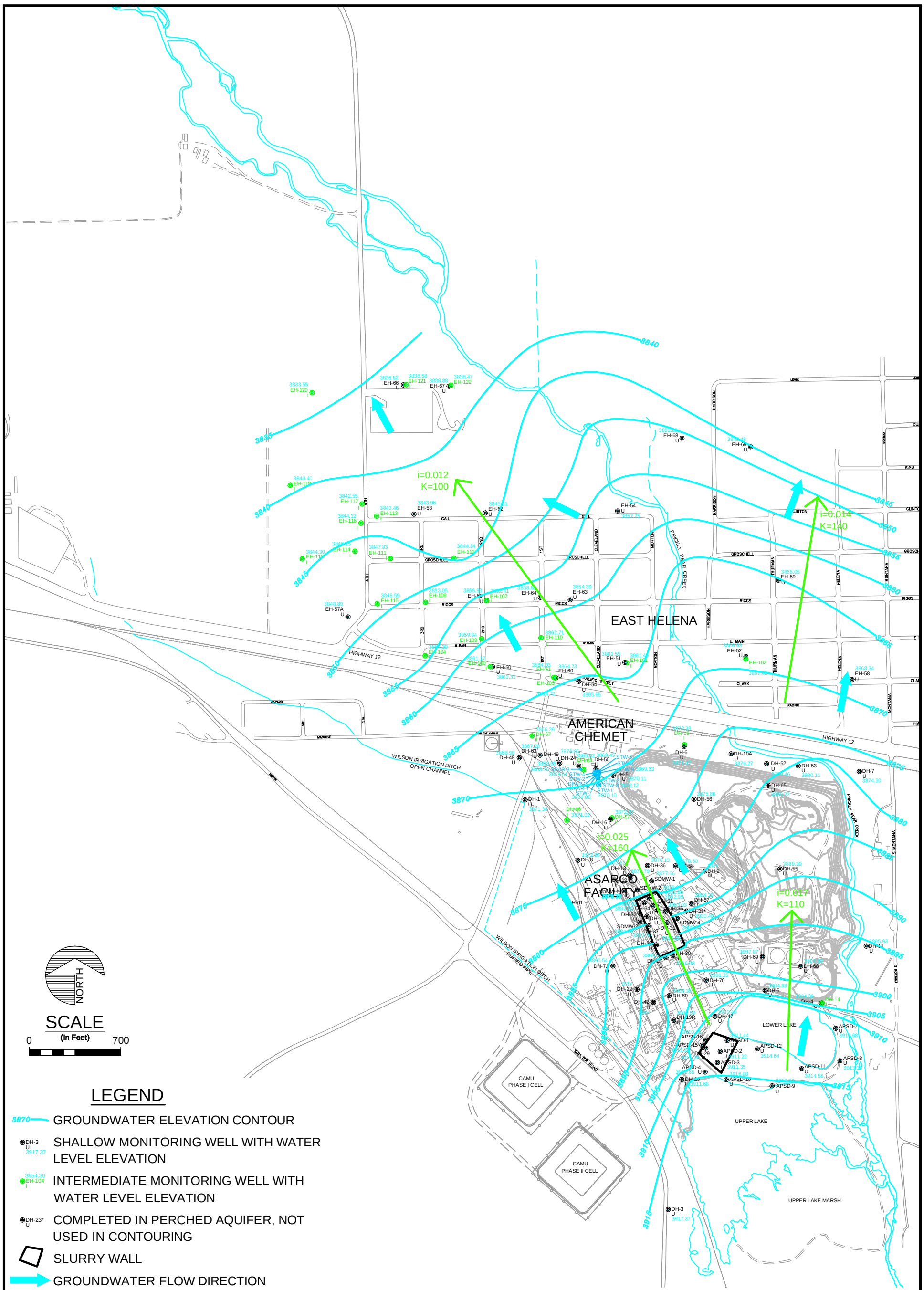


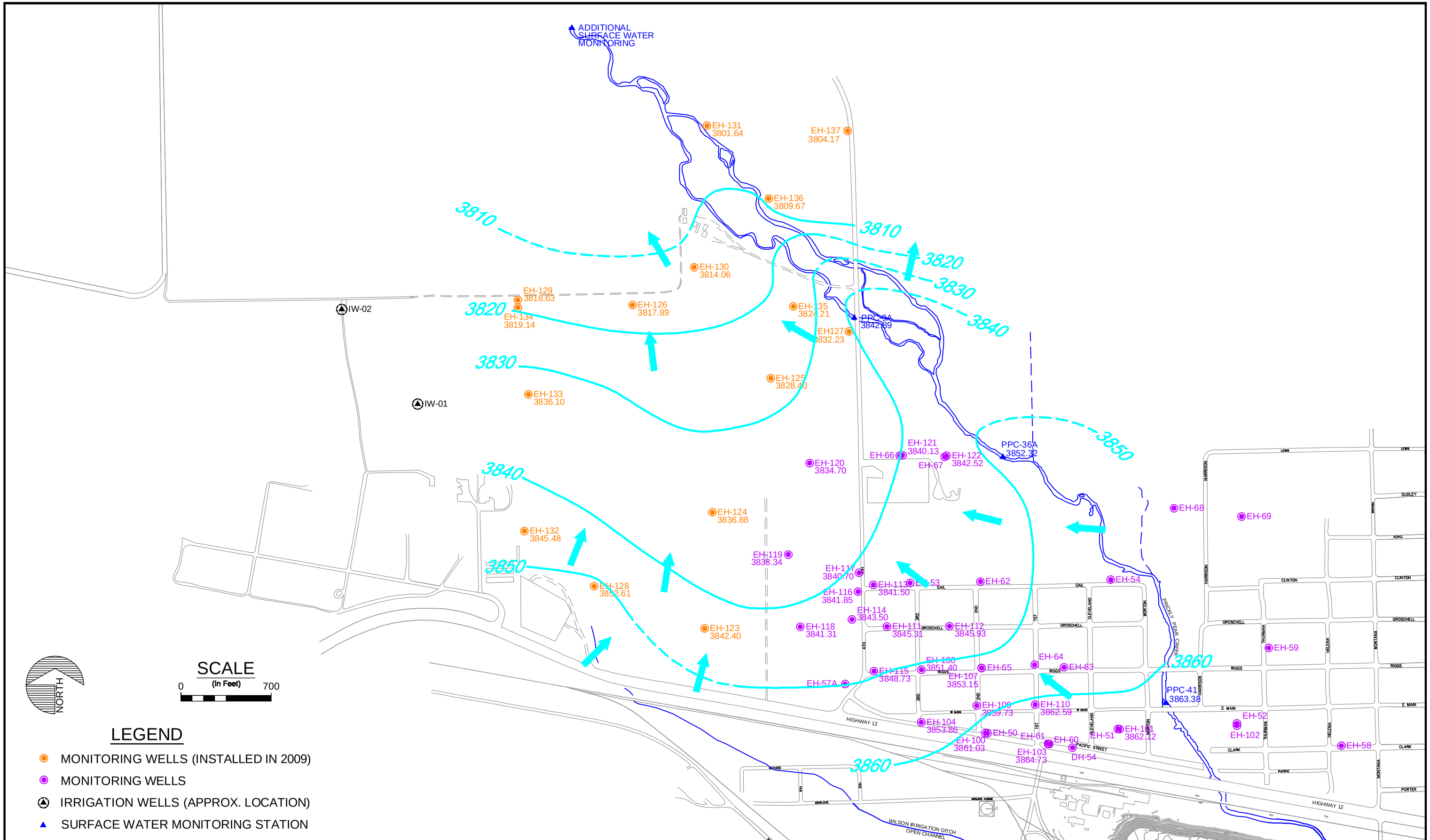
LEGEND

- 3870 — GROUNDWATER ELEVATION CONTOUR
- DH-3 U 3917.37 — SHALLOW MONITORING WELL WITH WATER LEVEL ELEVATION
- 3854.30 EH-104 I — INTERMEDIATE MONITORING WELL WITH WATER LEVEL ELEVATION
- DH-23* U — COMPLETED IN PERCHED AQUIFER, NOT USED IN CONTOURING
- SLURRY WALL
- GROUNDWATER FLOW DIRECTION
- K — HYDRAULIC CONDUCTIVITY - FT/DAY
- i — HORIZONTAL HYDRAULIC GRADIENT - FT/FT

* WATER ELEVATIONS FROM WELLS WITHIN THE APSD AND SPEISS/DROSS SLURRY WALLS WERE NOT USED TO DEVELOP THE REGIONAL POTENTIOMETRIC MAP. THE POTENTIOMETRIC SURFACE IN THE VICINITY OF THE APSD AND SPEISS/DROSS SLURRY WALL AREAS ARE EVALUATED SEPARATELY FROM THE REGIONAL MAP.

PHASE II RCRA FACILITY INVESTIGATION SITE CHARACTERIZATION WORK PLAN ASARCO EAST HELENA FACILITY	**POTENTIOMETRIC MAP SHALLOW/INTERMEDIATE AQUIFERS NOVEMBER 2008**	FIGURE **2-3-5**

Hydrometrics, Inc.
Consulting Scientists and Engineers



PHASE II RCRA FACILITY INVESTIGATION
SITE CHARACTERIZATION WORK PLAN
ASARCO EAST HELENA FACILITY

JUNE 2009
POTENTIOMETRIC MAP

FIGURE
2-3-6

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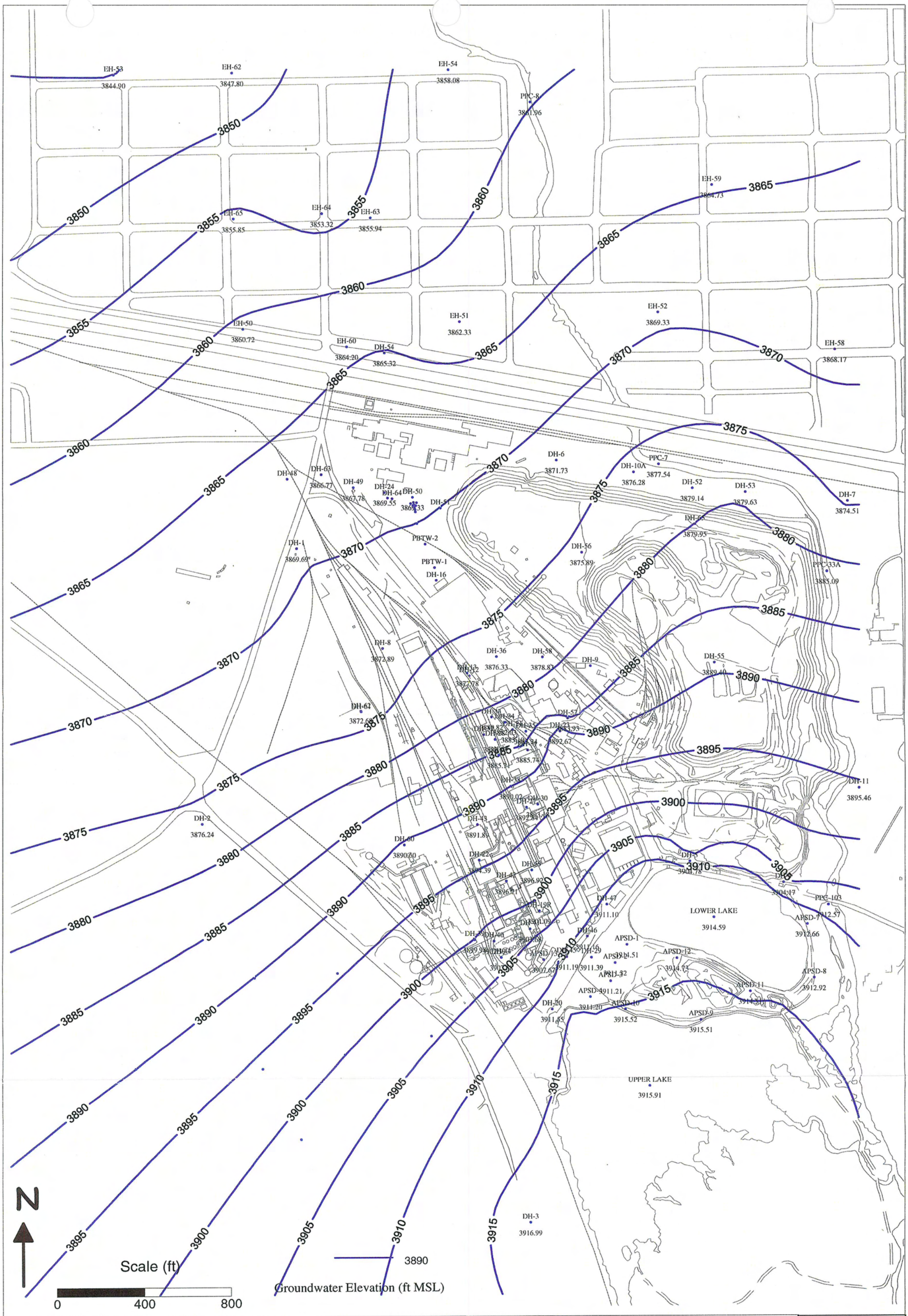
Hydrometrics, Inc.
Consulting Scientists and Engineers



RCRA Facility Investigation East Helena Facility Shallow Aquifer	**Shallow Aquifer Potentiometric Map for November 2002**	**FIGURE** 4-3-5

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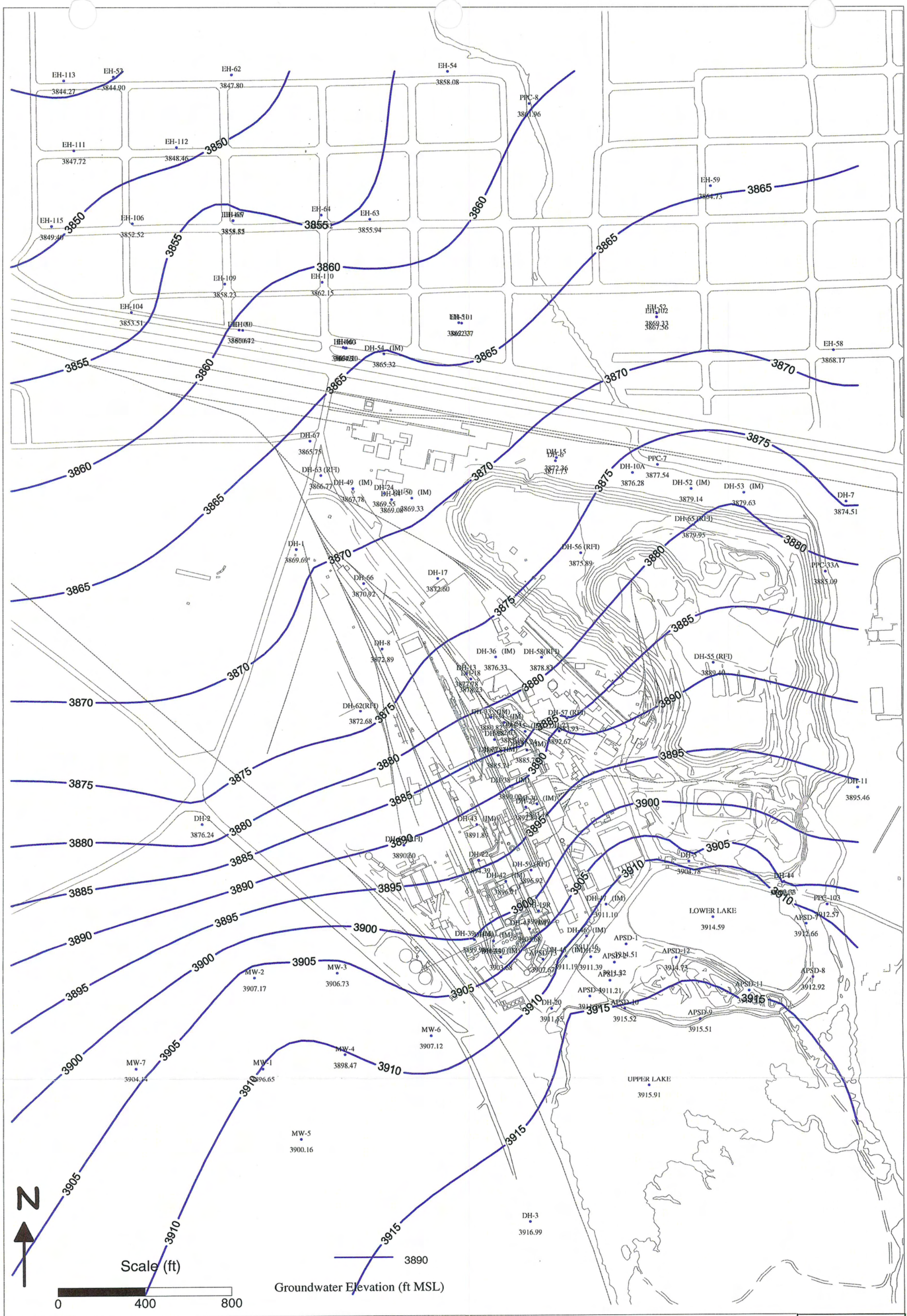

RCRA Facility Investigation East Helena Facility	**Shallow and Intermediate Potentiometric Map for November 2002**	**FIGURE** 4-3-6

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