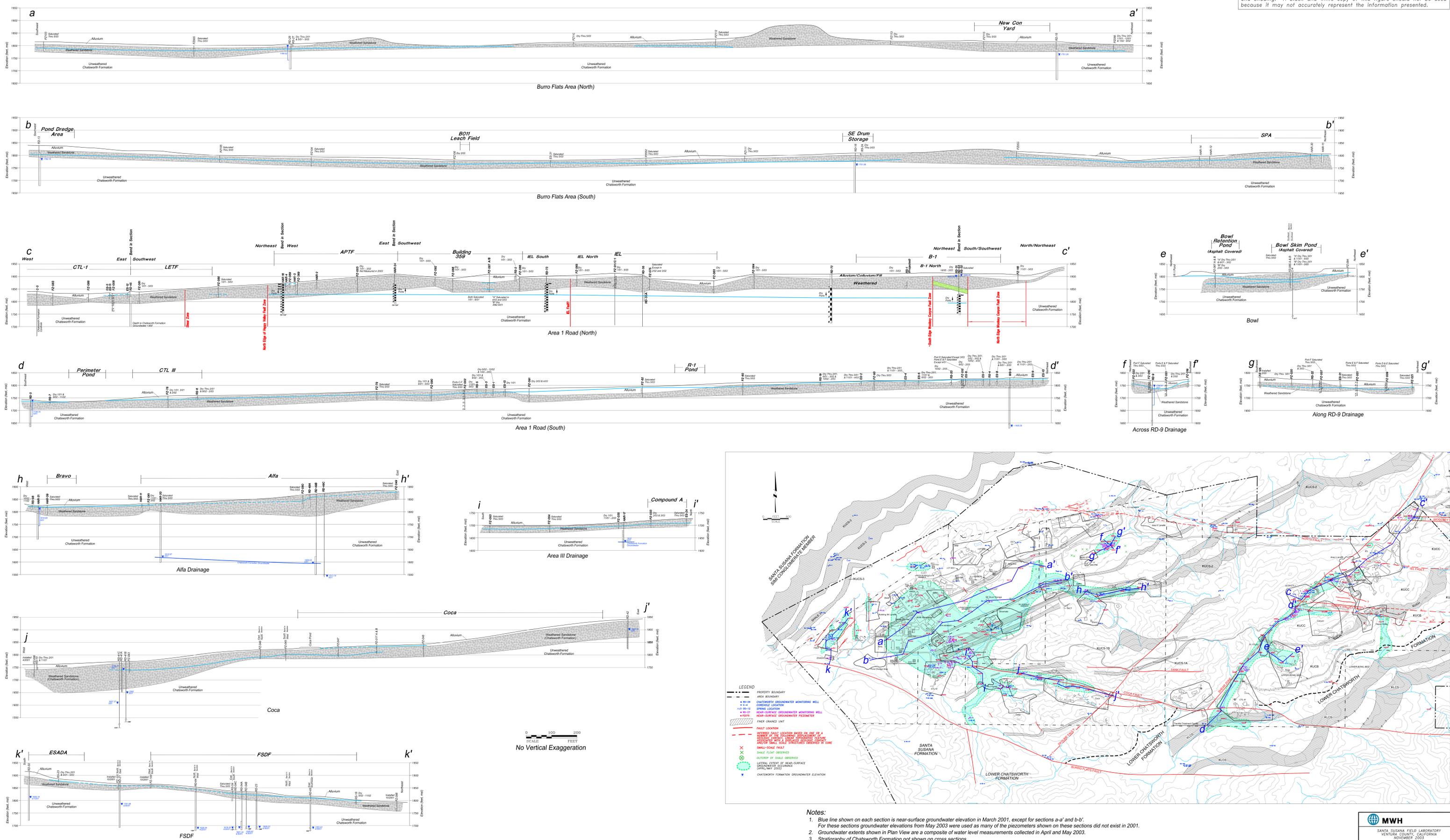


## PLATES

- 3-1 Near-Surface Groundwater Piezometer Locations
- 3-2 Near-Surface Groundwater Monitoring Network (Wells and Piezometers)
- 3-3 Well/Piezometer Locations with Transducers
  
- 4-1 Near-Surface Groundwater Extent and Water Table Surface, March 2001
- 4-2 Near-Surface Groundwater Extent and Water Table Surface, November 2001
- 4-3 Near-Surface Groundwater Extent and Water Table Surface, February 2002
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- 4-5 Cross-Sections of Near-Surface Groundwater
- 4-6 Locations of Near-Surface Groundwater Occurrence within Alluvium
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- 5-2a Isoconcentration Contours of TCE in Near-Surface Groundwater (Plan View and Cross-Section)
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- 5-7 Analytical Results for Near-Surface Groundwater Wells and Piezometers Sampled for 1,4-Dioxane
- 5-8 Analytical Results for Near-Surface Groundwater Wells and Piezometers Sampled for SVOCs

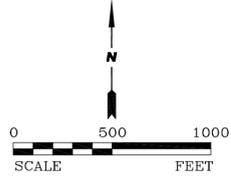
- 5-9 Analytical Results for Near-Surface Groundwater Wells and Piezometers Sampled for N-Nitrosodimethylamine
- 5-10 Analytical Results for Near-Surface Groundwater Wells and Piezometers Sampled for Perchlorate
- 5-11 Analytical Results for Near-Surface Groundwater Wells and Piezometers Sampled for Petroleum Hydrocarbons
- 5-12 Analytical Results for Near-Surface Groundwater Wells and Piezometers Sampled for Poly-Chlorinated Biphenyls
- 5-13 Analytical Results for Near-Surface Groundwater Wells and Piezometers Sampled for Metals

Please Note: The original version of this figure includes colored features and shading. A black and white copy of this figure should not be used because it may not accurately represent the information presented.

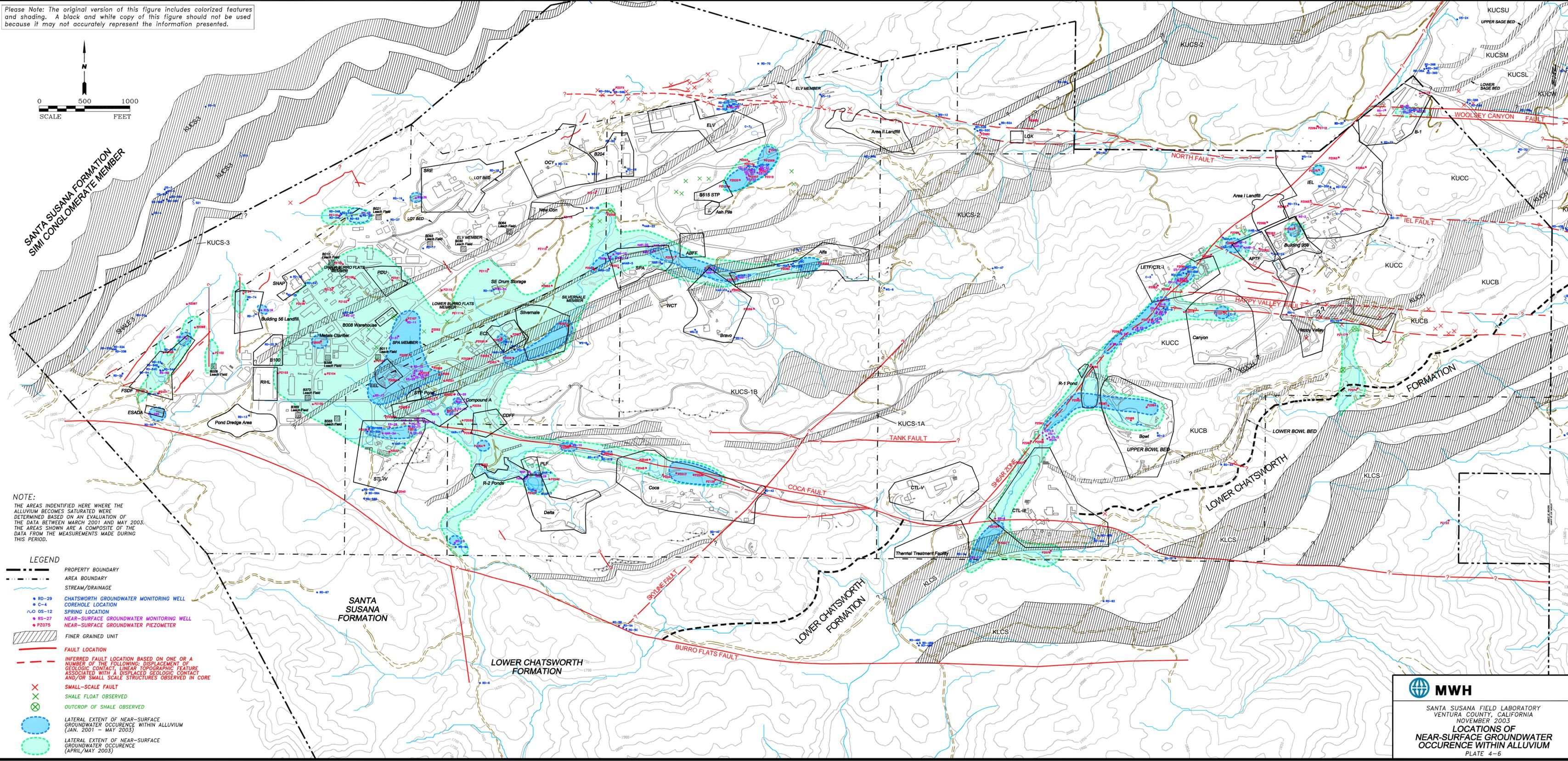


- Notes:**
1. Blue line shown on each section is near-surface groundwater elevation in March 2001, except for sections a-a' and b-b'. For these sections groundwater elevations from May 2003 were used as many of the piezometers shown on these sections did not exist in 2001.
  2. Groundwater extents shown in Plan View are a composite of water level measurements collected in April and May 2003.
  3. Stratigraphy of Chatsworth Formation not shown on cross sections.

Please Note: The original version of this figure includes colored features and shading. A black and white copy of this figure should not be used because it may not accurately represent the information presented.



SANTA SUSANA FORMATION  
SMI CONGLOMERATE MEMBER



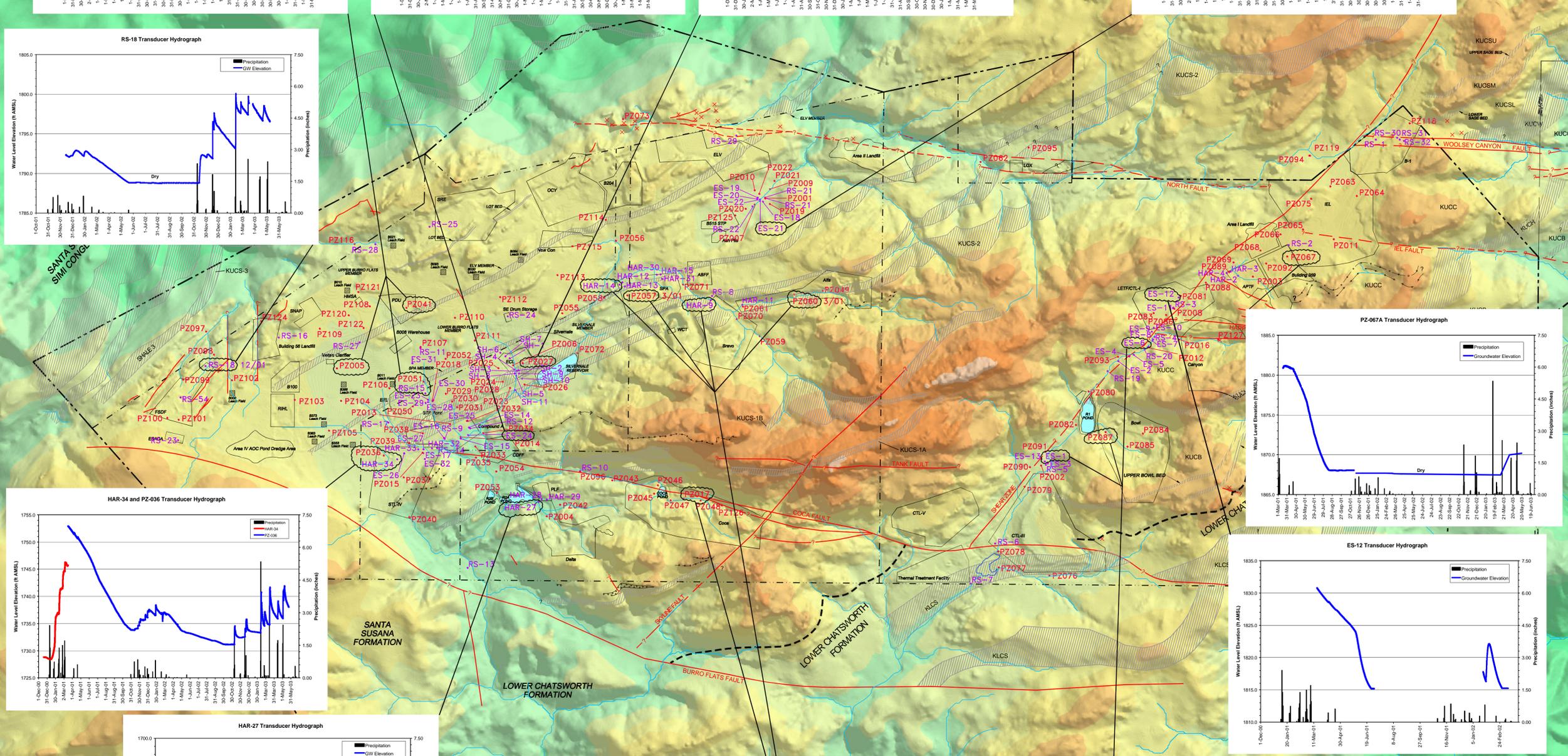
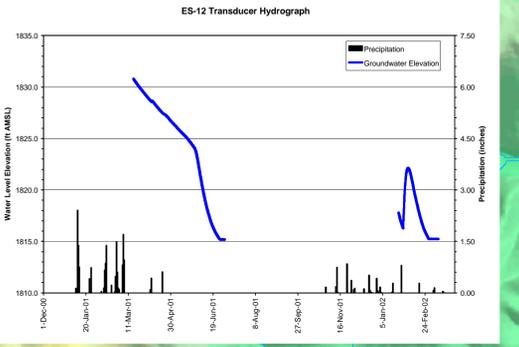
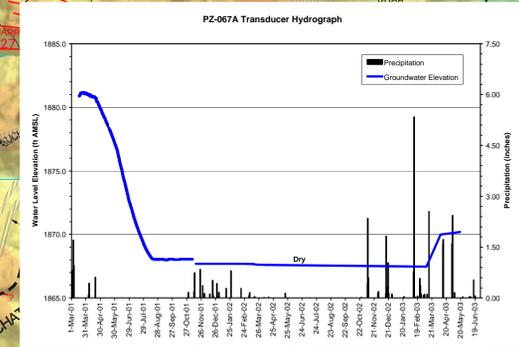
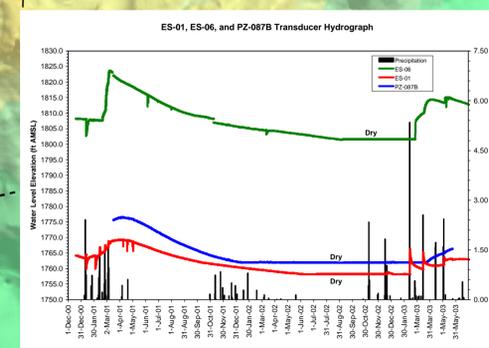
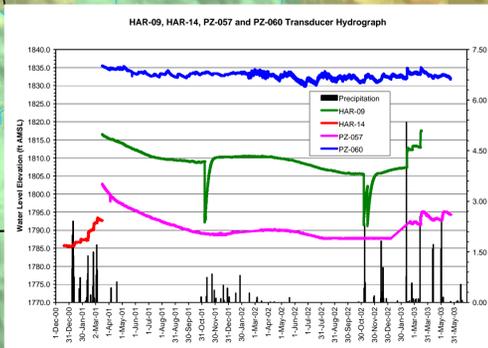
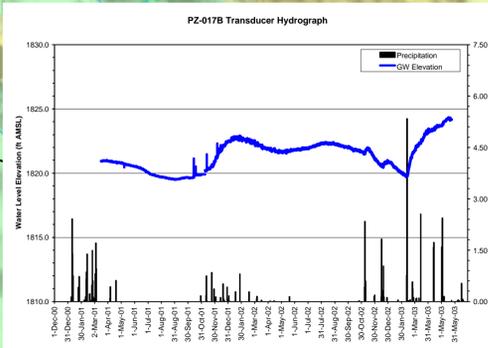
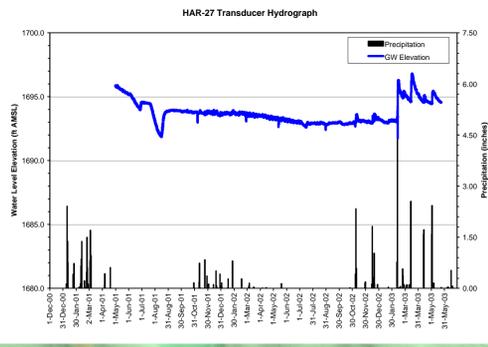
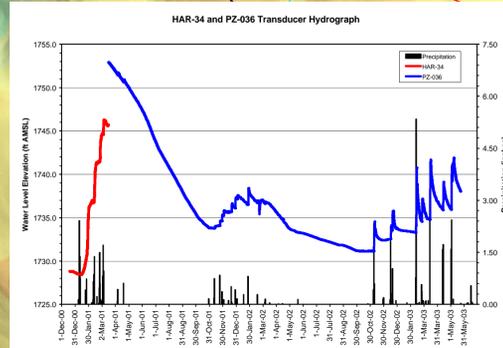
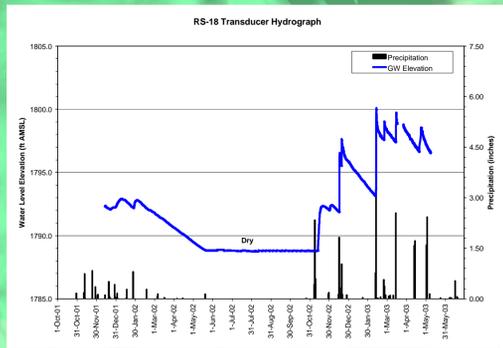
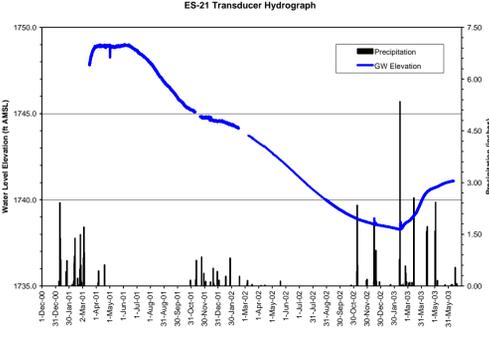
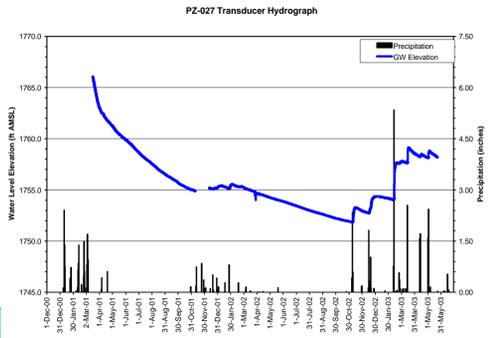
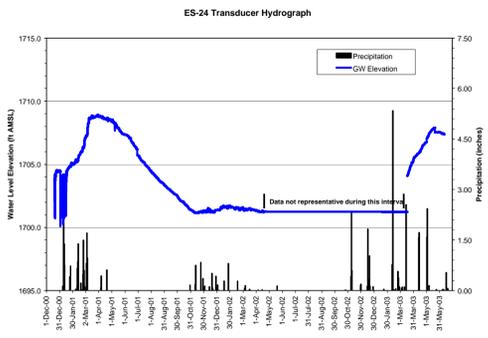
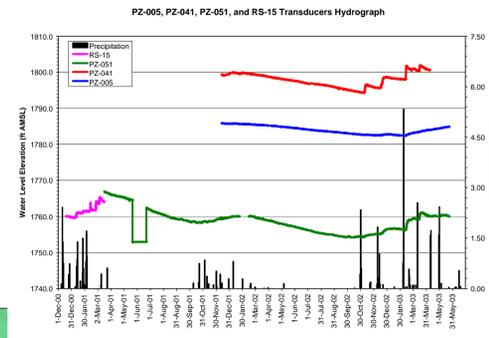
NOTE:  
THE AREAS IDENTIFIED HERE WHERE THE ALLUVIUM BECOMES SATURATED WERE DETERMINED BASED ON AN EVALUATION OF THE DATA BETWEEN MARCH 2001 AND MAY 2003. THE AREAS SHOWN ARE A COMPOSITE OF THE DATA FROM THE MEASUREMENTS MADE DURING THIS PERIOD.

- LEGEND**
- PROPERTY BOUNDARY
  - AREA BOUNDARY
  - STREAM/DRAINAGE
  - RD-29 CHATSWORTH GROUNDWATER MONITORING WELL
  - C-4 COREHOLE LOCATION
  - OS-12 SPRING LOCATION
  - RS-27 NEAR-SURFACE GROUNDWATER MONITORING WELL
  - P2075 NEAR-SURFACE GROUNDWATER PIEZOMETER
  - FINER GRAINED UNIT
  - FAULT LOCATION
  - INFERRED FAULT LOCATION BASED ON ONE OR A NUMBER OF THE FOLLOWING: DISPLACEMENT OF GEOLOGIC CONTACT, LINEAR TOPOGRAPHIC FEATURE ASSOCIATED WITH A DISPLACED GEOLOGIC CONTACT AND/OR SMALL SCALE STRUCTURES OBSERVED IN CORE
  - × SMALL-SCALE FAULT
  - × SHALE FLOAT OBSERVED
  - ⊗ OUTCROP OF SHALE OBSERVED
  - LATERAL EXTENT OF NEAR-SURFACE GROUNDWATER OCCURRENCE WITHIN ALLUVIUM (JAN. 2001 - MAY 2003)
  - LATERAL EXTENT OF NEAR-SURFACE GROUNDWATER OCCURRENCE (APRIL/MAY 2003)

**MWH**  
SANTA SUSANA FIELD LABORATORY  
VENTURA COUNTY, CALIFORNIA  
NOVEMBER 2003  
**LOCATIONS OF  
NEAR-SURFACE GROUNDWATER  
OCCURRENCE WITHIN ALLUVIUM**  
PLATE 4-6

INDUSTRIAL CAD MILLERCA (REFINO) SANTA SUSANA NSGW REPORT PLATE 4-6 11.03

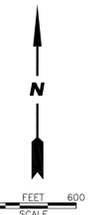


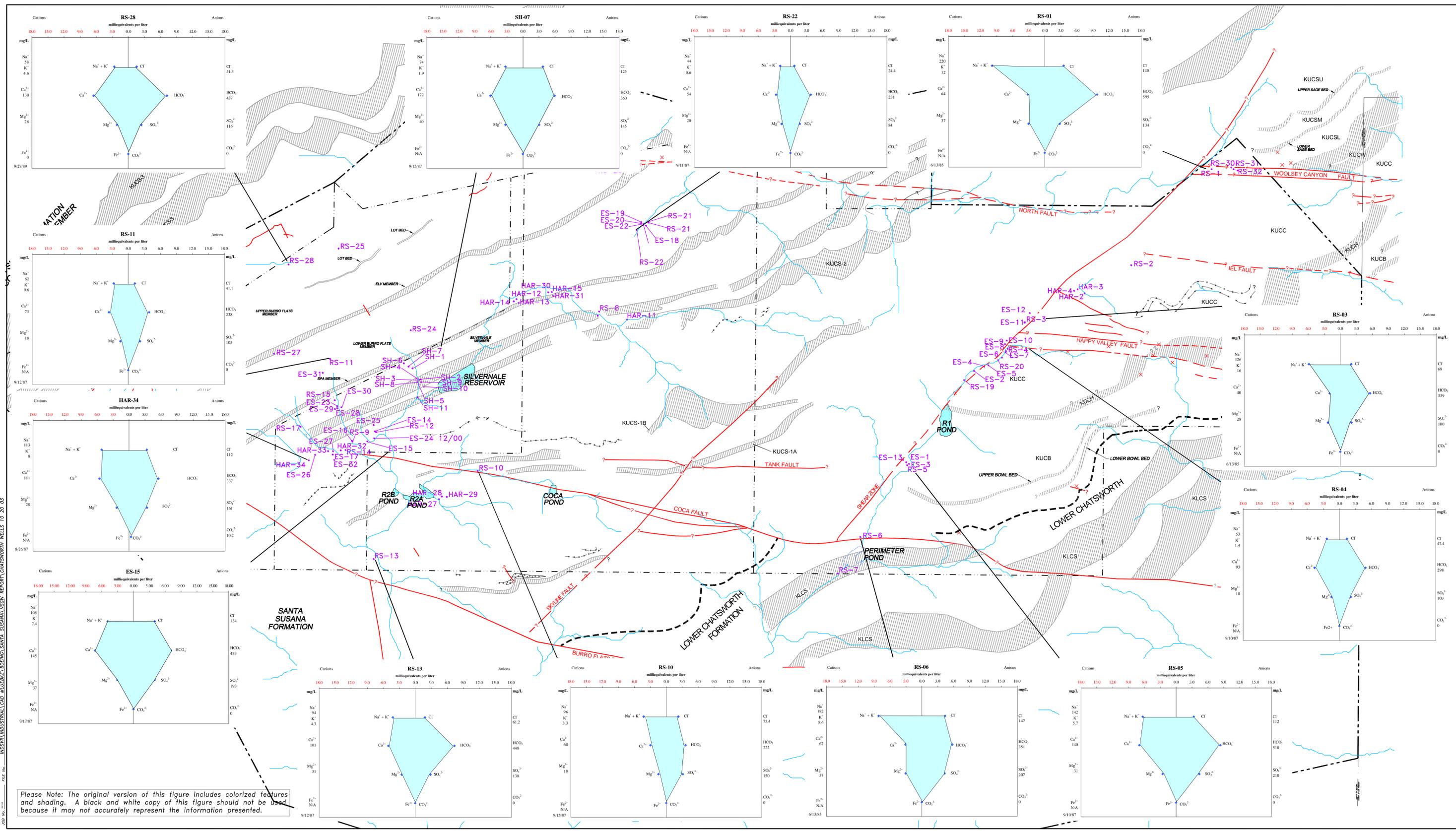


- LEGEND**
- PROPERTY BOUNDARY
  - AREA BOUNDARY
  - PERENNIAL POND
  - NEAR-SURFACE GROUNDWATER PIEZOMETER
  - NEAR-SURFACE GROUNDWATER MONITORING WELL
  - ▨ FINER GRAINED UNIT
  - FAULT LOCATION
  - INFERRED FAULT LOCATION BASED ON ONE OR A NUMBER OF THE FOLLOWING: DISPLACEMENT OF GEOLOGIC CONTACT, LINEAR TOPOGRAPHIC FEATURE ASSOCIATED WITH A DISPLACED GEOLOGIC CONTACT AND/OR SMALL SCALE STRUCTURES OBSERVED IN CORE
  - × SMALL-SCALE FAULT

**NOTE:**  
FOR COLOR SCALE ON TOPOGRAPHY  
SEE FIGURE 2-1.

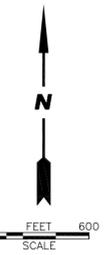
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**LEGEND**

- PROPERTY BOUNDARY
- - - AREA BOUNDARY
- PERENNIAL POND
- PZ075, RS-27 NEAR-SURFACE GROUNDWATER PIEZOMETER
- NEAR-SURFACE GROUNDWATER MONITORING WELL
- ▨ FINER GRAINED UNIT
- FAULT LOCATION
- - - - - INFERRED FAULT LOCATION BASED ON ONE OR A NUMBER OF THE FOLLOWING: DISPLACEMENT OF GEOLOGIC CONTACT, LINEAR TOPOGRAPHIC FEATURE ASSOCIATED WITH A DISPLACED GEOLOGIC CONTACT AND/OR SMALL SCALE STRUCTURES OBSERVED IN CORE
- × SMALL-SCALE FAULT



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**MWH**  
 SANTA SUSANA FIELD LABORATORY  
 VENTURA COUNTY, CALIFORNIA  
 NOVEMBER 2003  
**STIFF DIAGRAMS OF NEAR-SURFACE GROUNDWATER MONITORING WELLS**  
 PLATE 4-9

JOB NO. 03-0001-01 FILE NO. 03-0001-01-01 INDUSTRY/INDUSTRIAL CAD - MILLER/KEL/BOEING/SANTA SUSANA/ISSSW REPORT CHATSWORTH WELLS 10 20 03