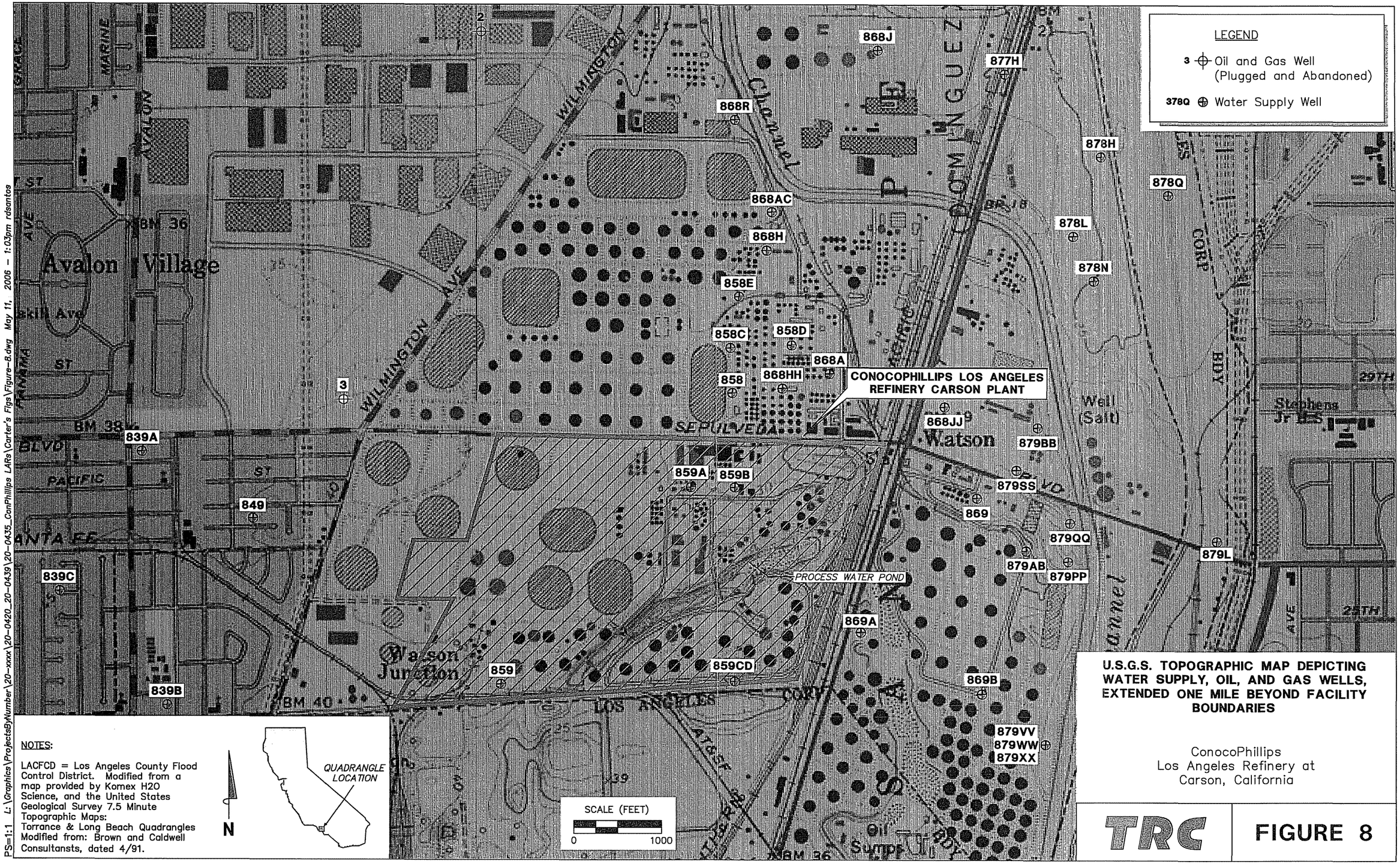


NOTES:

LACFCD = Los Angeles County Flood Control District. Modified from a map provided by Komex H2O Science, and the United States Geological Survey 7.5 Minute Topographic Maps:
Torrance & Long Beach Quadrangles
Modified from: Brown and Caldwell Consultansts, dated 4/91.

U.S.G.S. TOPOGRAPHIC MAP DEPICTING WATER SUPPLY, OIL, AND GAS WELLS, EXTENDED ONE MILE BEYOND FACILITY BOUNDARIES

ConocoPhillips
Los Angeles Refinery at
Carson, California

TRC

FIGURE 8

PS=1:1 L:\Graphics\ProjectsByNumber\20-xxxx\20-0420_20-0439\20-0435_ConPhillips LARs\Carter's Figs\Figure-8.dwg May 11, 2006 - 1:03pm rdsantos

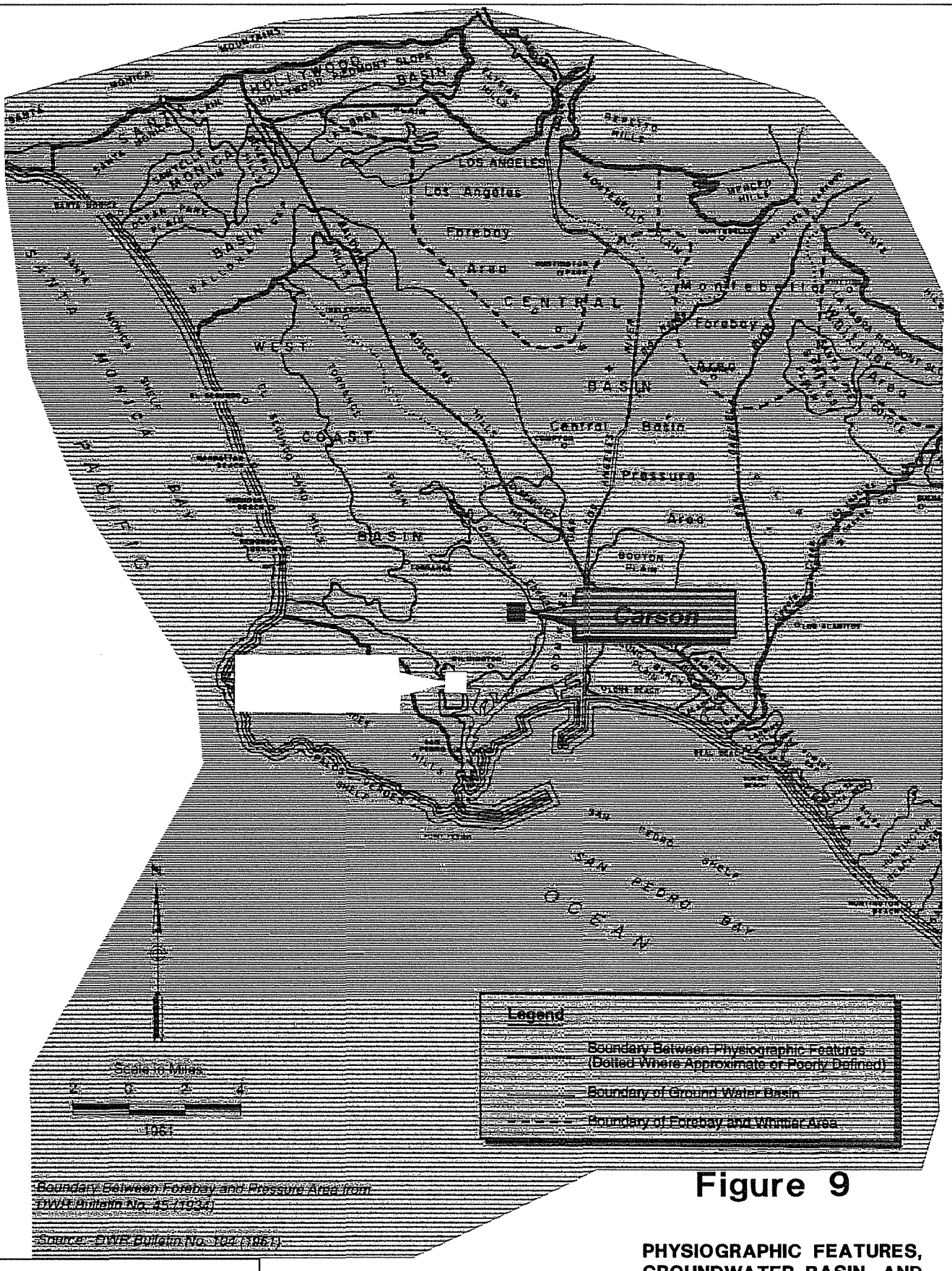


Figure 9

PHYSIOGRAPHIC FEATURES, GROUNDWATER BASIN, AND LOCATION OF CONOCOPHILLIPS LOS ANGELES REFINERY

TRC

PS = 1:1

L:\Graphics\ProjectsByNumber\20-xxxx\20-0420_20-0439\20-0435_ConPhillips LARs\Carter's Figs\ConPhillipsFig9.dwg May 11, 2006 - 1:08pm rdsantos

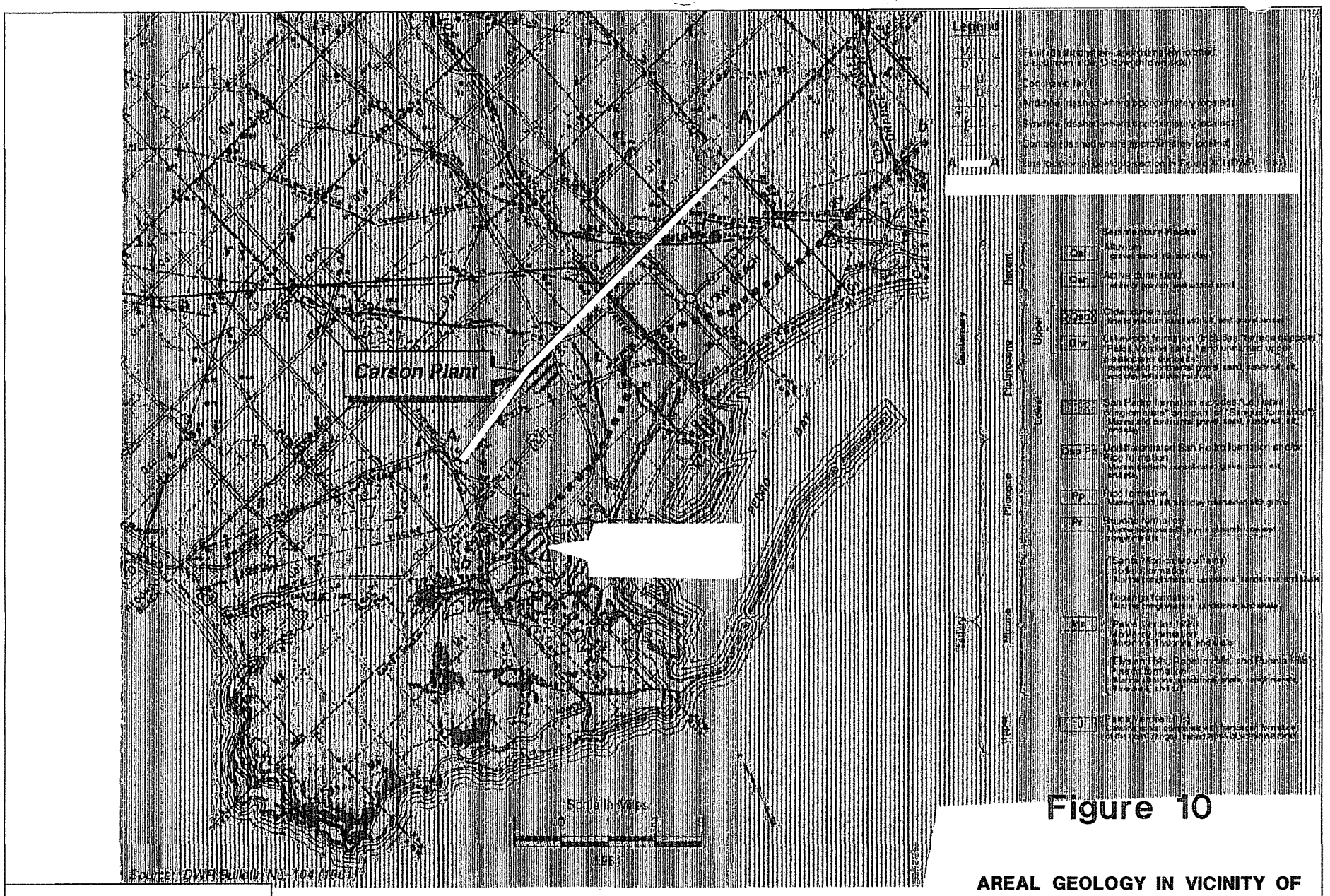


Figure 10

AREAL GEOLOGY IN VICINITY OF CONOCOPHILLIPS LOS ANGELES REFINERY

TRC

PS = 1:1

L:\Graphics\ProjectsByNumber\20-xxxx\20-0420_20-0439\20-0435_ConPhillips LARs\Carter's Figs\ConPhillipsFig10.dwg May 11, 2006 - 1:09pm rdsantos

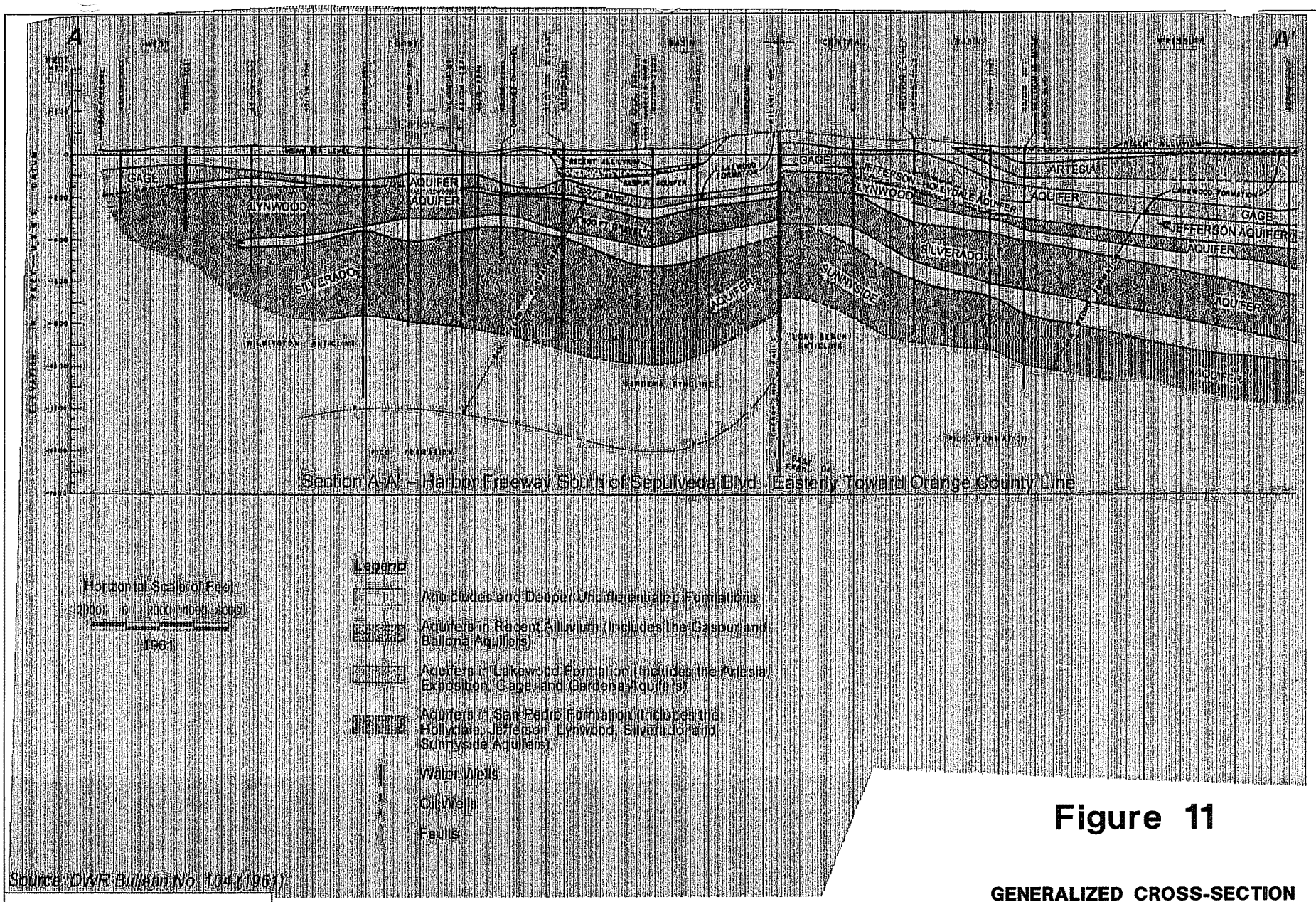


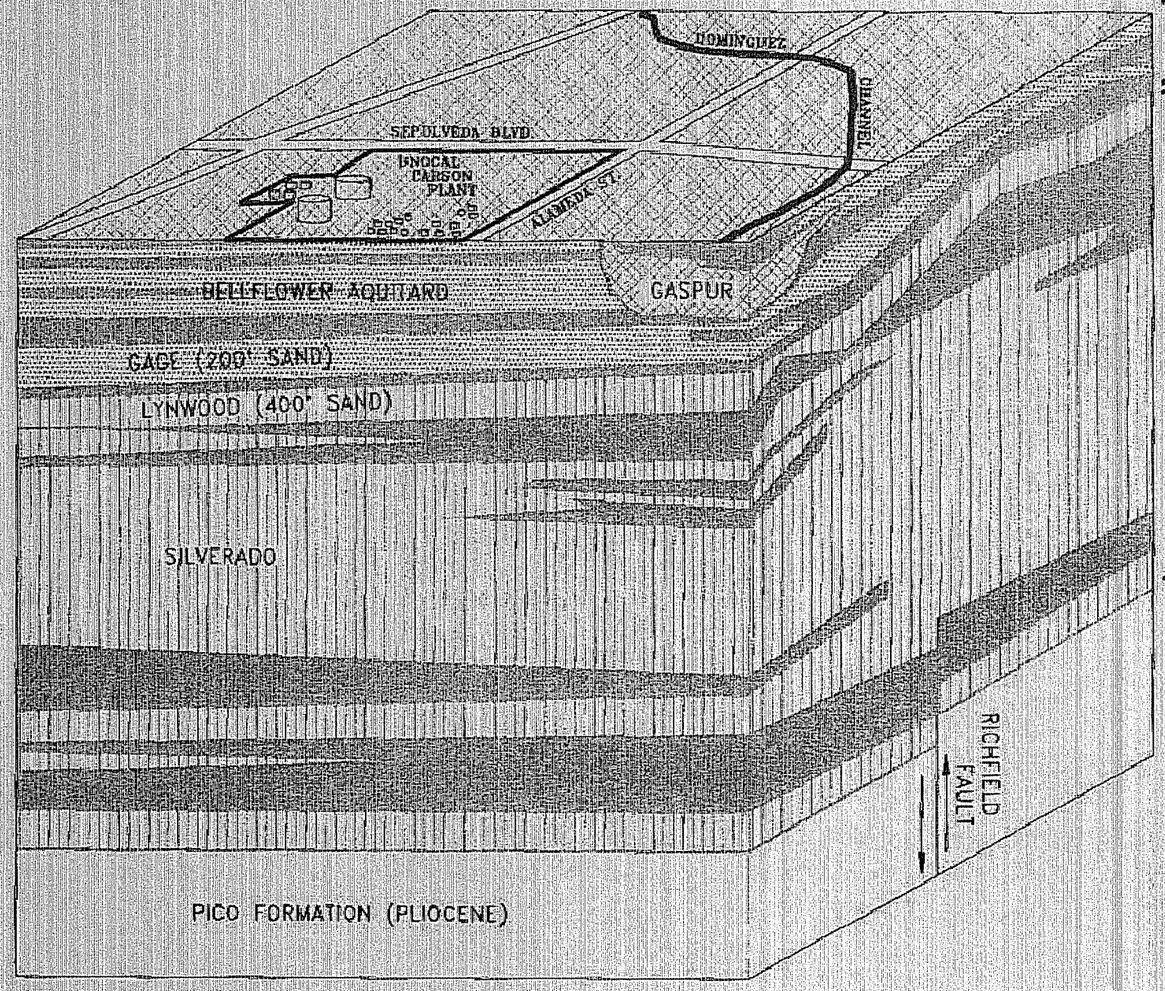
Figure 11

GENERALIZED CROSS-SECTION A-A' IN VICINITY OF CARSON PLANT

TRC

PS = 1:1

L:\Graphics\ProjectsByNumber\20-xxxx\20-0420_20-0439\20-0435_ConPhillips LARs\Scaned Fig's\ConPhillipsFig4-3.dwg May 12, 2006 - 11:16am rdsantos



UPPER PLEISTOCENE TO
HOLOCENE LAKEWOOD FORMATION

LOWER PLEISTOCENE
SAN PEDRO FORMATION

EXPLANATION

- FINE-GRAINED UNIT (AQUITARD)
- COARSE-GRAINED UNIT (AQUIFER) WITHIN RECENT ALLUVIUM (GASPUR AQUIFER)
- COARSE-GRAINED UNIT OR AQUIFER WITHIN UPPER-PLEISTOCENE LAKEWOOD FORMATION (GAGE AQUIFER)
- COARSE-GRAINED UNIT OR AQUIFER WITHIN LOWER-PLEISTOCENE SAN PEDRO FORMATION (LYNWOOD AND SILVERADO AQUIFERS)

SCORES FROM AES, 1994

TRC

Figure 12

SCHEMATIC BLOCK DIAGRAM OF REGIONAL HYDROGEOLOGIC UNITS BENEATH CARSON PLANT

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FIGURE 13A
HISTORIC MONITORING DATA FOR UPGRADIENT POC WELL 2
LARC

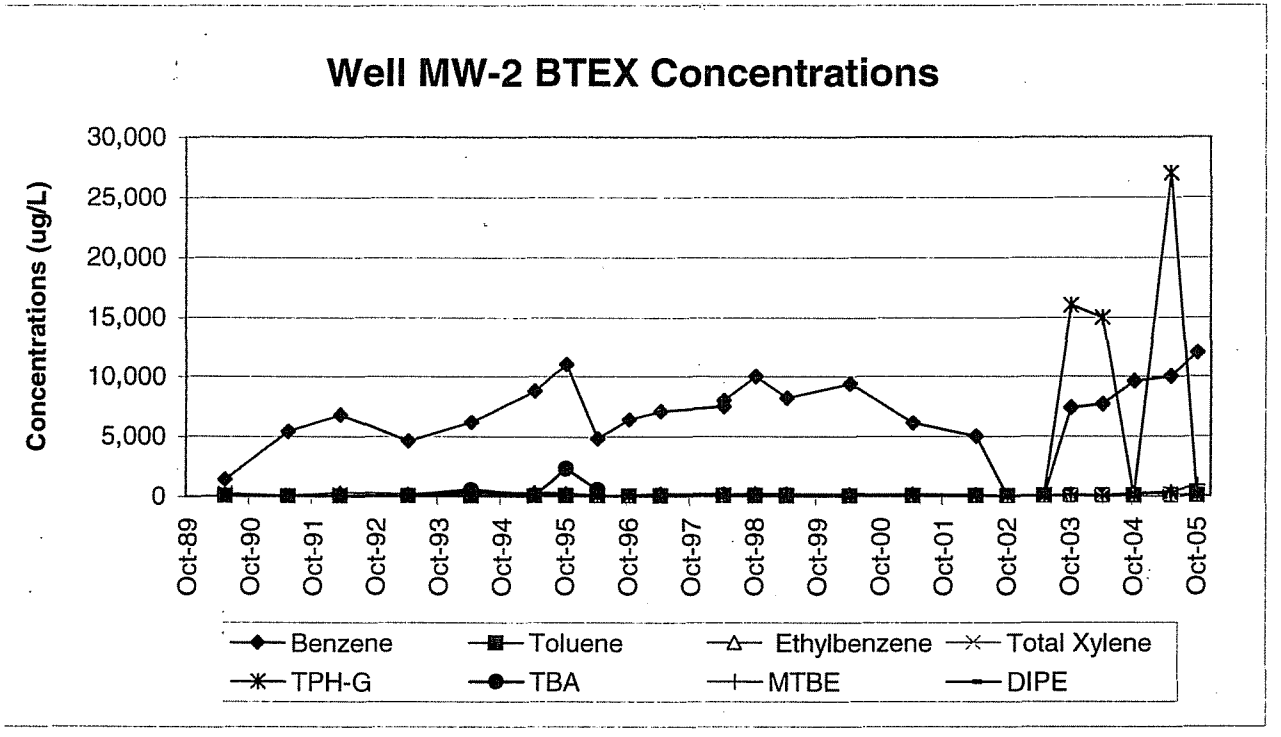
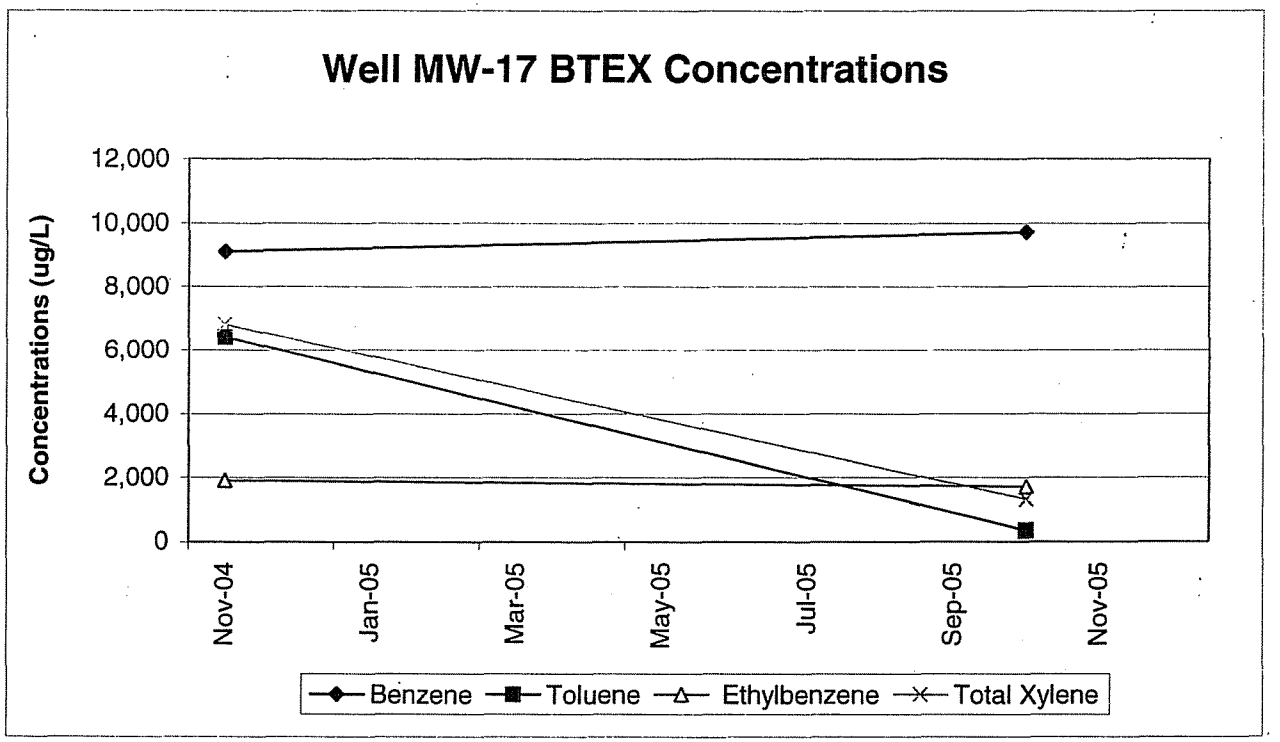
FIGURE 13B
HISTORIC MONITORING DATA FOR DOWNGRADIENT POC WELLS MW-17, MW-38 and MW-5
LARC