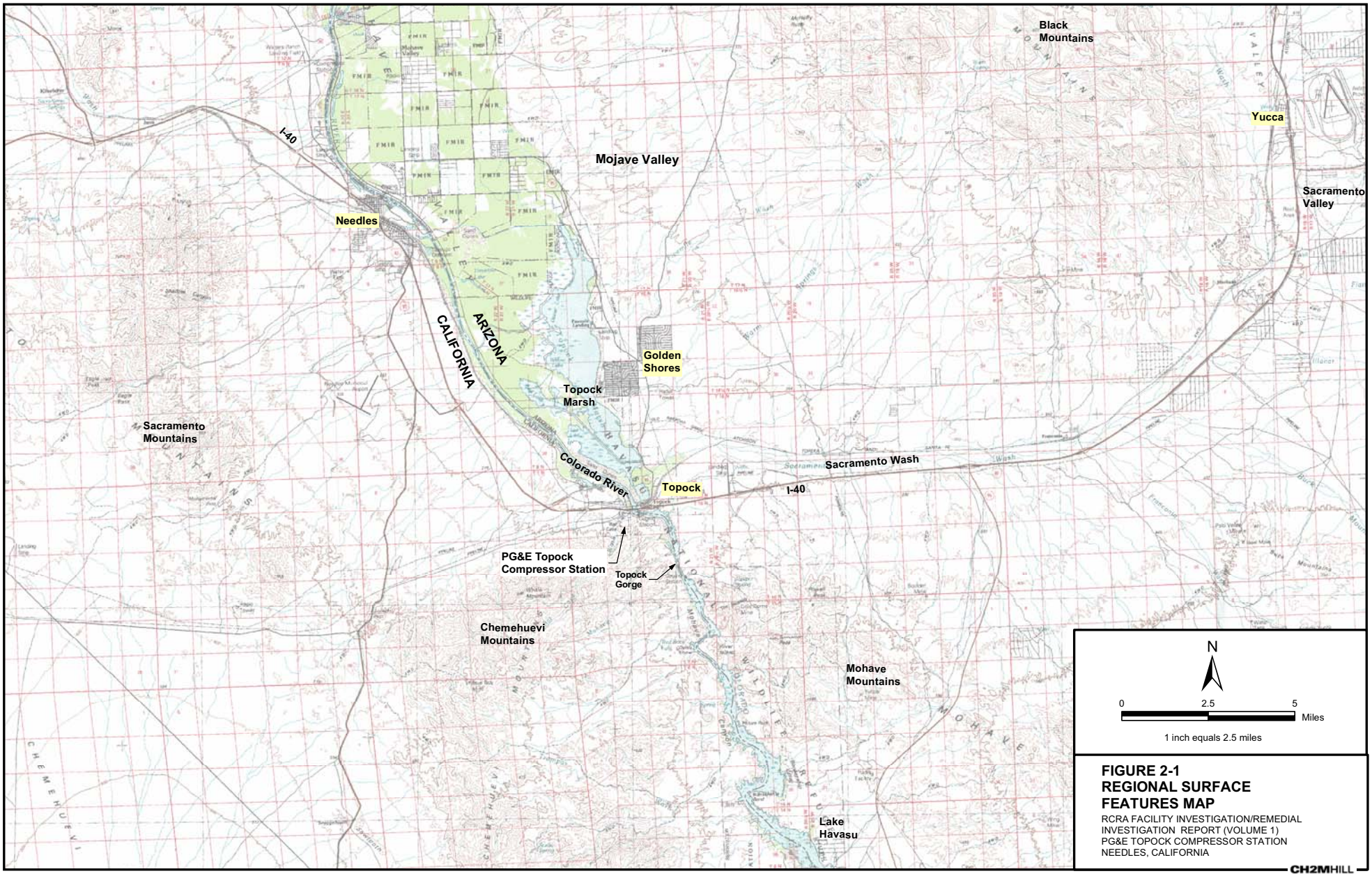

FIGURE 2-1
REGIONAL SURFACE FEATURES MAP

RCRA FACILITY INVESTIGATION/REMEDIAL INVESTIGATION REPORT (VOLUME 1)
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

CH2MHILL

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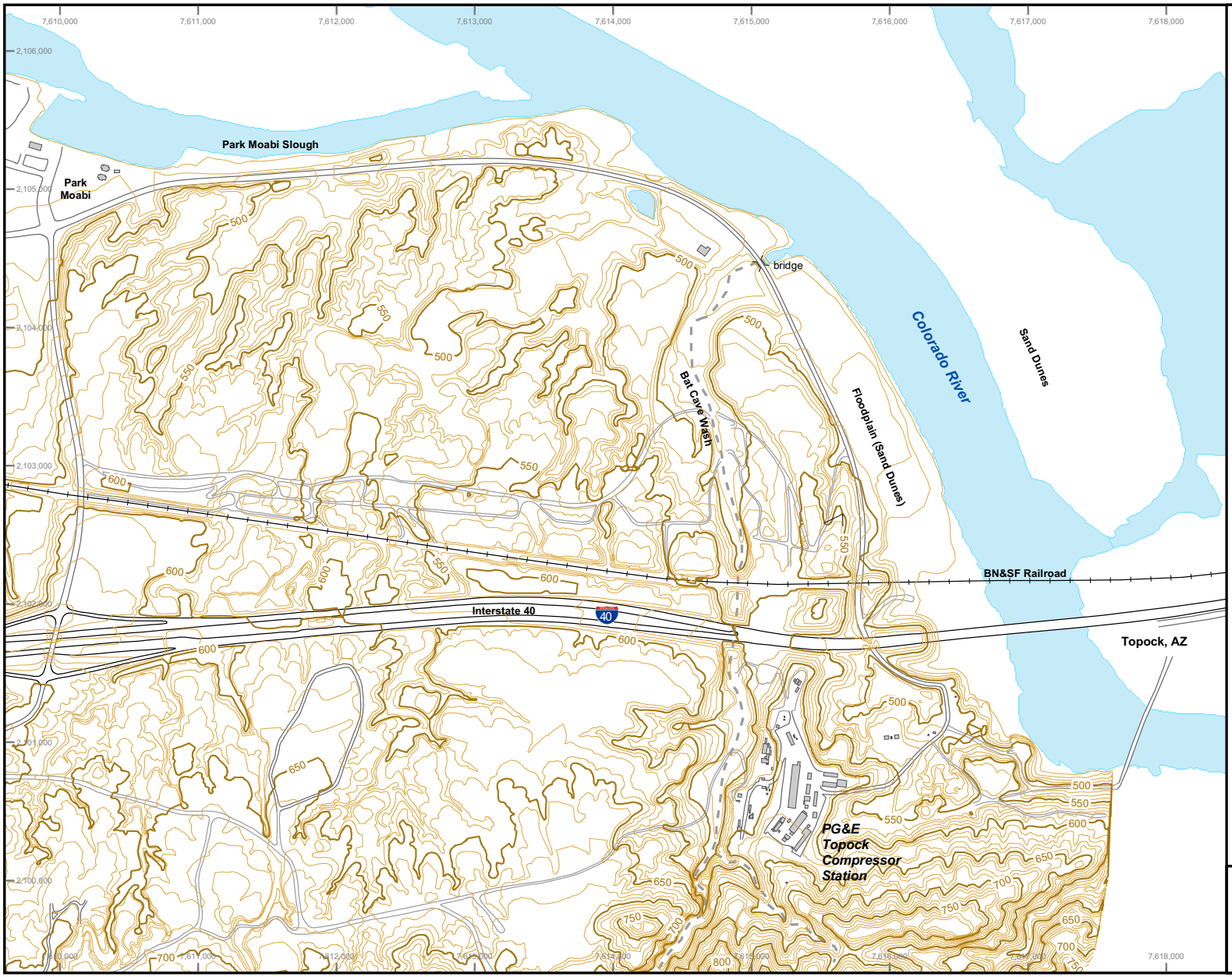

Source: Topographic data from E & E, Inc., 1994, with additional aerial topographic mapping flown April, 2004 (CH2M HILL)

California State Plane, NAD 83, Zone 5, US Feet
Contour interval is 10 feet, with indices at 50 feet.

N

0 350 700 1,400 Feet

1 inch equals 700 feet

FIGURE 2-2
SITE TOPOGRAPHY

RCRA FACILITY INVESTIGATION/REMEDIAL INVESTIGATION REPORT (VOLUME 1)
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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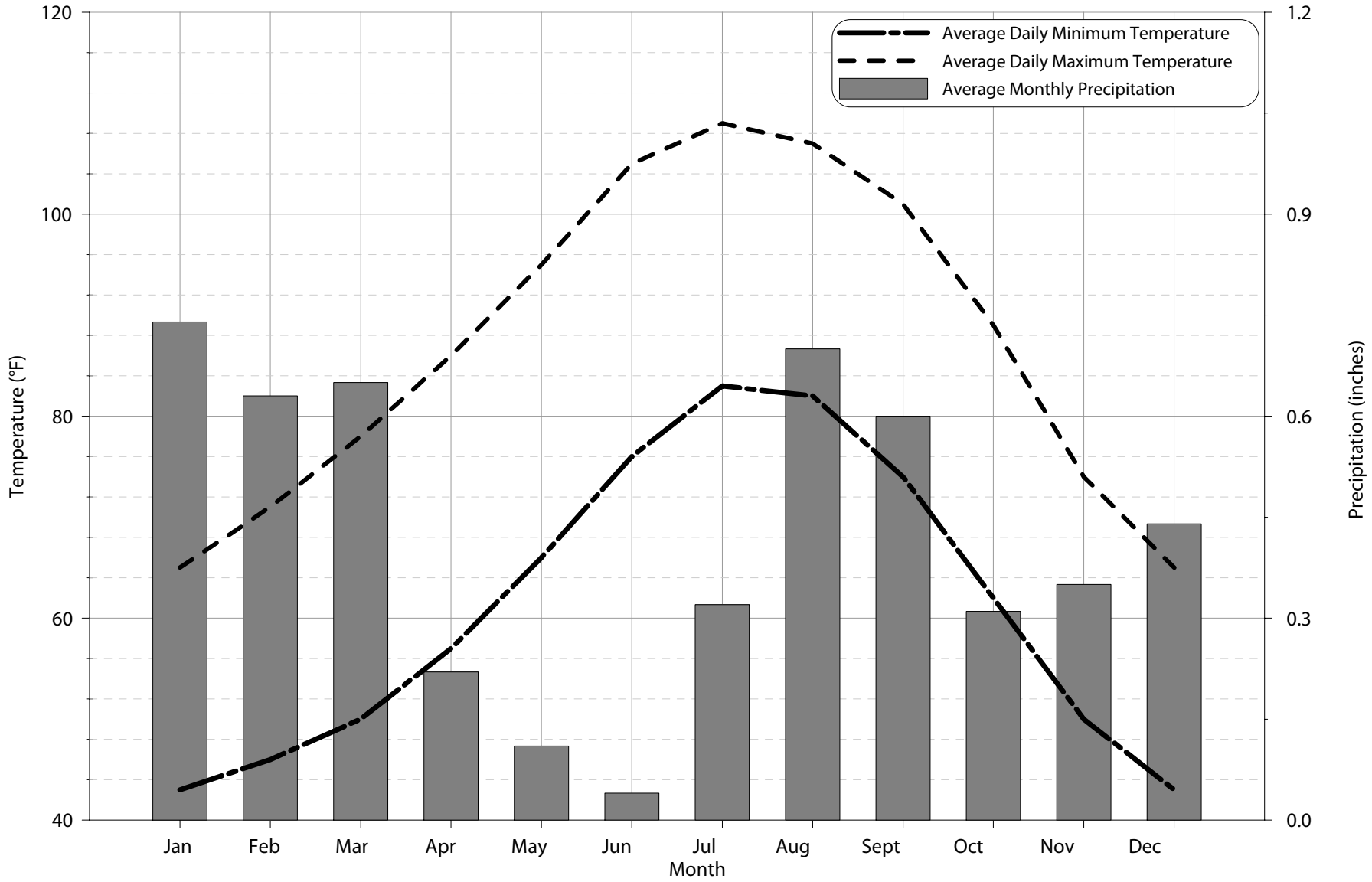

FIGURE 2-3
AVERAGE TEMPERATURE AND PRECIPITATION
NEEDLES AIRPORT

RCRA FACILITY INVESTIGATION/REMEDIAL
INVESTIGATION REPORT (VOLUME 1)
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

Notes:
Meteorological data from Needles, CA Airport.
Data available from http://www.weather.com/activities/other/other/weather/climo-monthly.html?locid=USCA0753.

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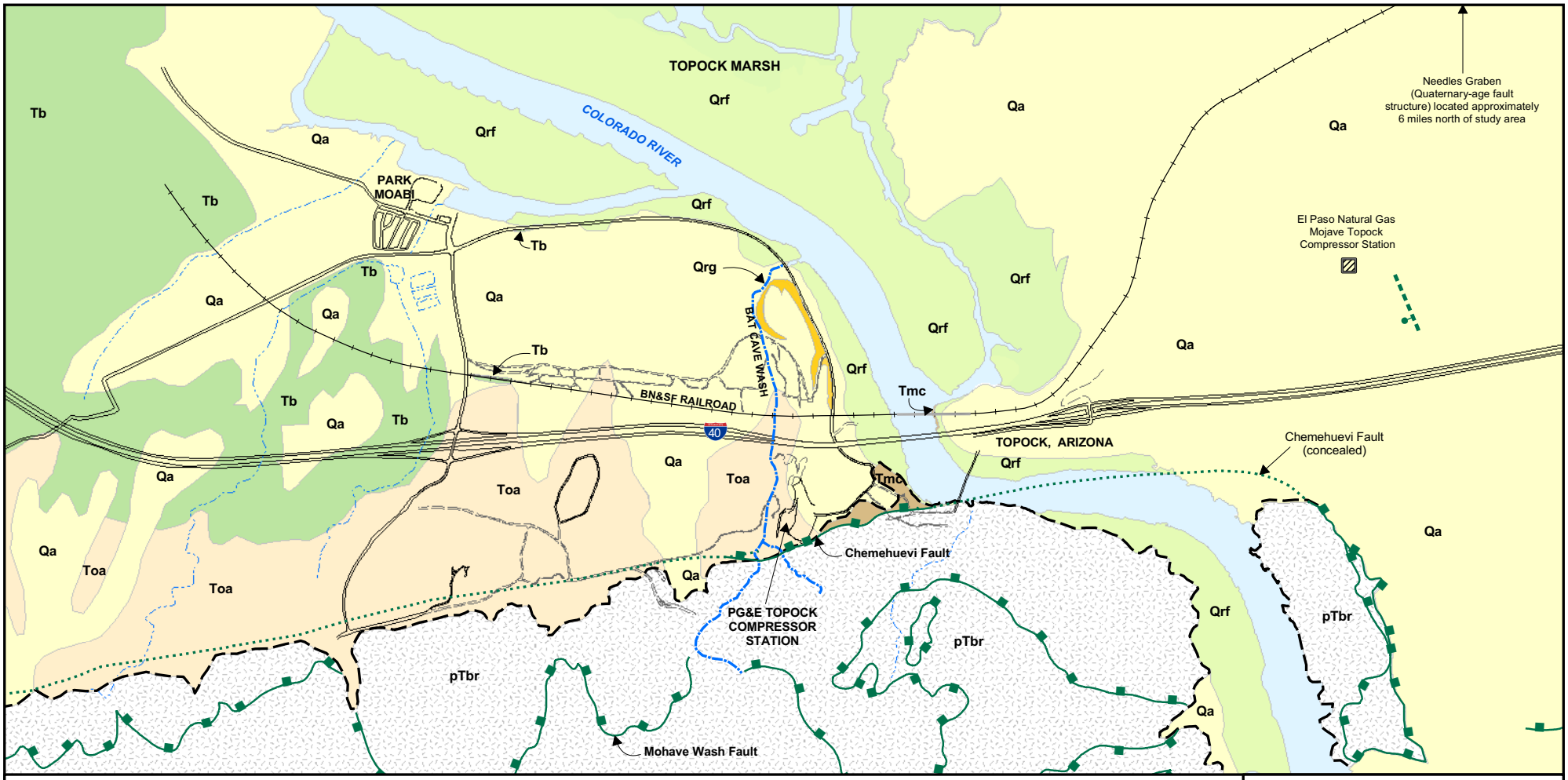

LEGEND

- Qrf = Quaternary Colorado River and recent Floodplain Deposits
- Qrg = Quaternary River Gravels
- Qa = Quaternary Alluvium and surficial deposits, undifferentiated
- Tb = Bouse Formation
- Toa = Tertiary Alluvium (Fanglomerate of Metzer and Loeltz)
- Tmc = Miocene Conglomerate (Bedrock)
- pTbr = Pre-Tertiary Bedrock (Metadiorite, Gneiss, Granitic Rocks)

Normal Fault
ball on downthrown side

Detachment Fault
barbs on downthrown side

Detachment Fault concealed

NOTE:
Generalized surface geologic map compiled from Metzger and Loeltz (1973), John (1987), Howard and others (1997) and PG&E technical reports.

N

0 1,500 3,000 Feet

1 inch equals 1,500 feet

FIGURE 2-4
GEOLOGIC MAP OF STUDY AREA

RCRA FACILITY INVESTIGATION/REMEDIAL
INVESTIGATION REPORT (VOLUME 1)
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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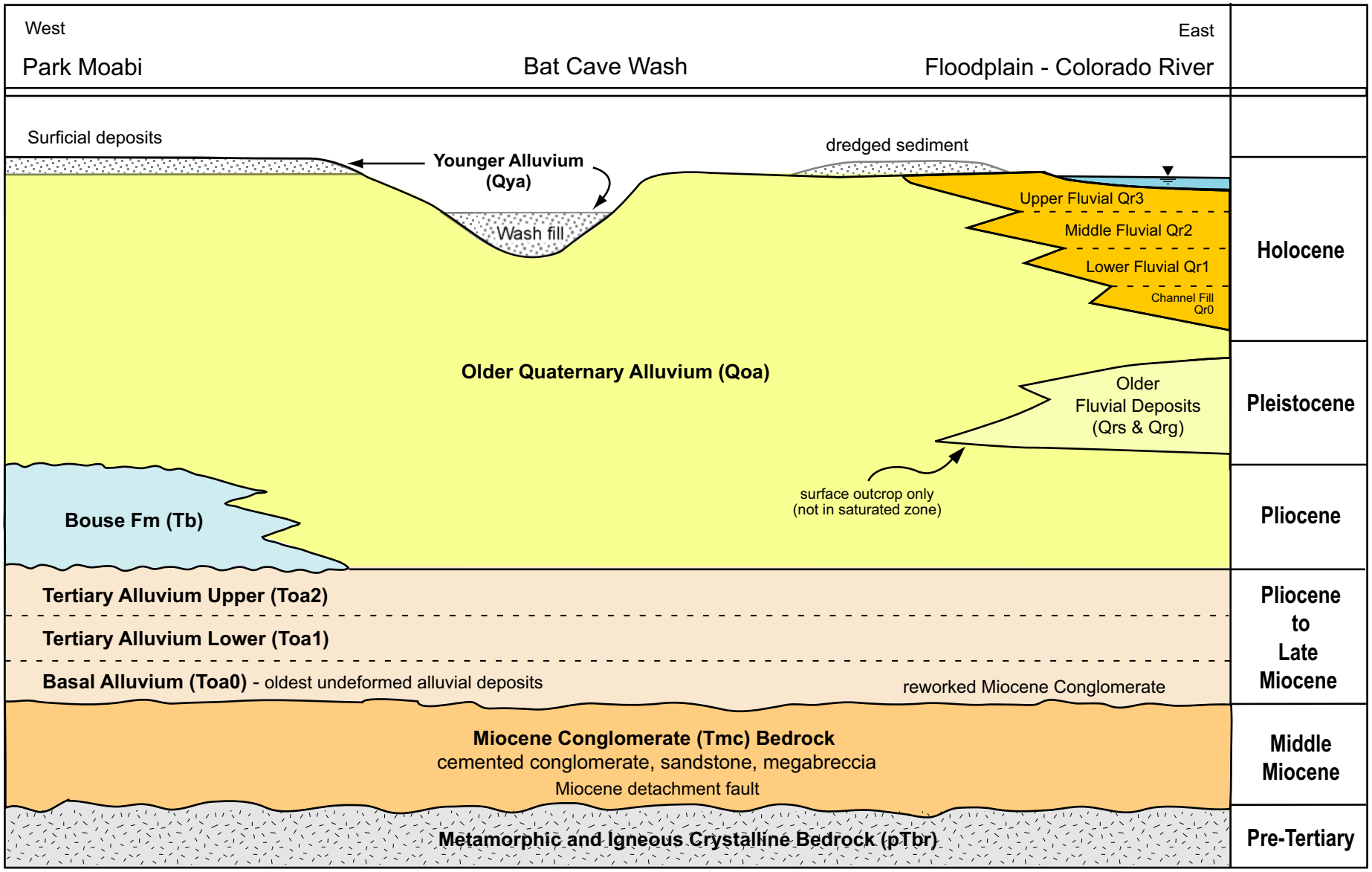
BAO \\ZINFANDEL\PROJ\PACIFICGASELECTRICCO\TOPOCKPROGRAM\GIS\MXD\2006\RFI_FIG_2_4_GEOLOGIC_MAP.MXD RFI_FIG_2_4_GEOLOGIC_MAP.PDF 8/15/2006 12:40:03



Schematic section illustrating distribution and age of stratigraphic units.
No scale implied.
Refer to Table 2-1 for stratigraphic unit descriptions.

UPDATED JUNE 2006

FIGURE 2-5
SCHEMATIC STRATIGRAPHIC SECTION
RCRA FACILITY INVESTIGATION/REMEDIAL
INVESTIGATION REPORT (VOLUME 1)
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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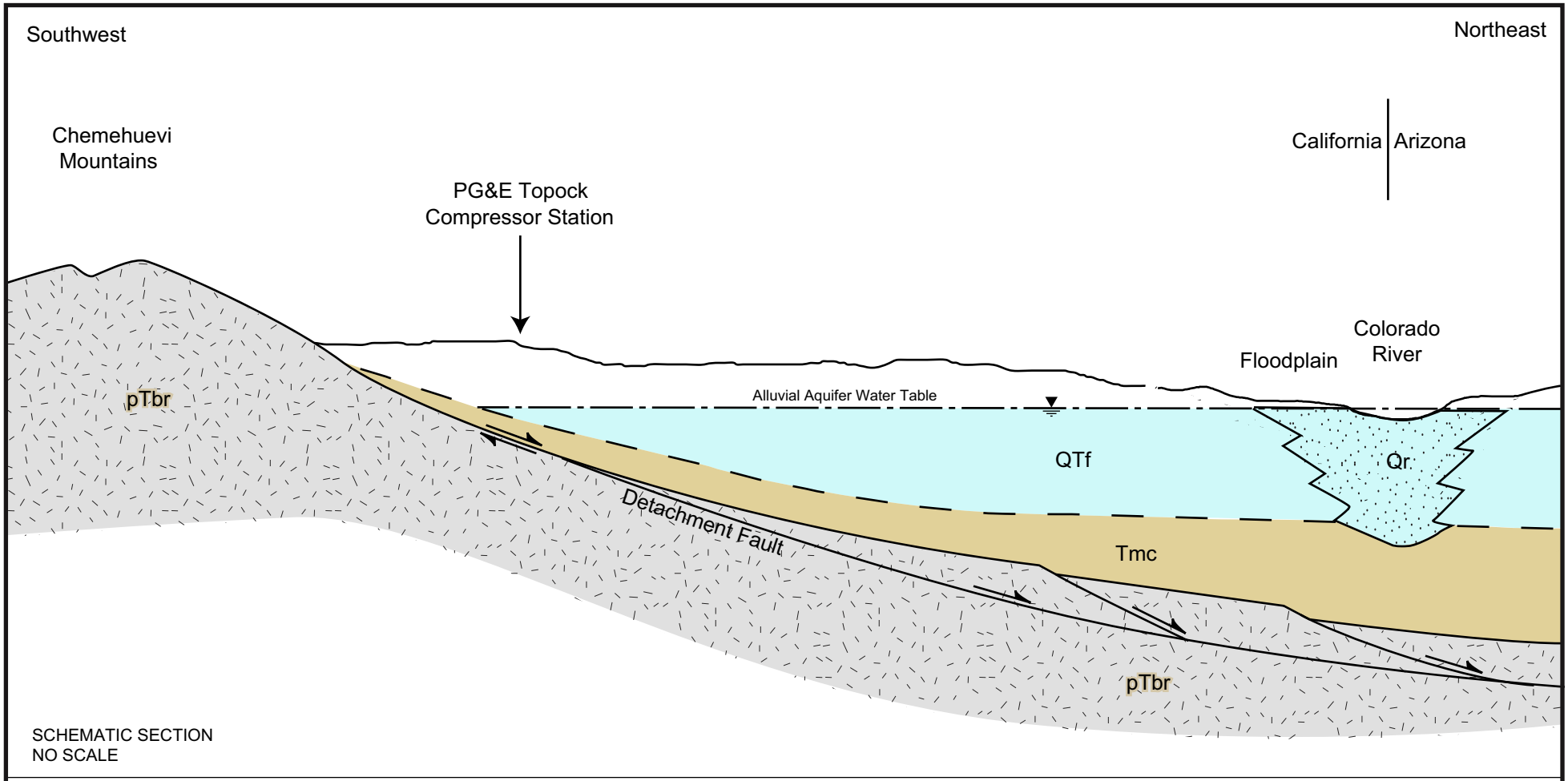

PRIMARY GEOLOGIC UNITS

QTf	Alluvial Fan Deposits (Qoa, Toa units)	**Alluvial Aquifer**
Qr	Colorado River Fluvial Deposits (Qr0, Qrl, Qr2, Qr3 units)	**Alluvial Aquifer**
Tmc	Miocene Conglomerate	**Bedrock**
pTbr	Metamorphic and Igneous Rocks	**Bedrock**

FIGURE 2-6
REGIONAL HYDROGEOLOGIC CROSS SECTION
RCRA FACILITY INVESTIGATION/REMEDIAL INVESTIGATION REPORT (VOLUME 1)
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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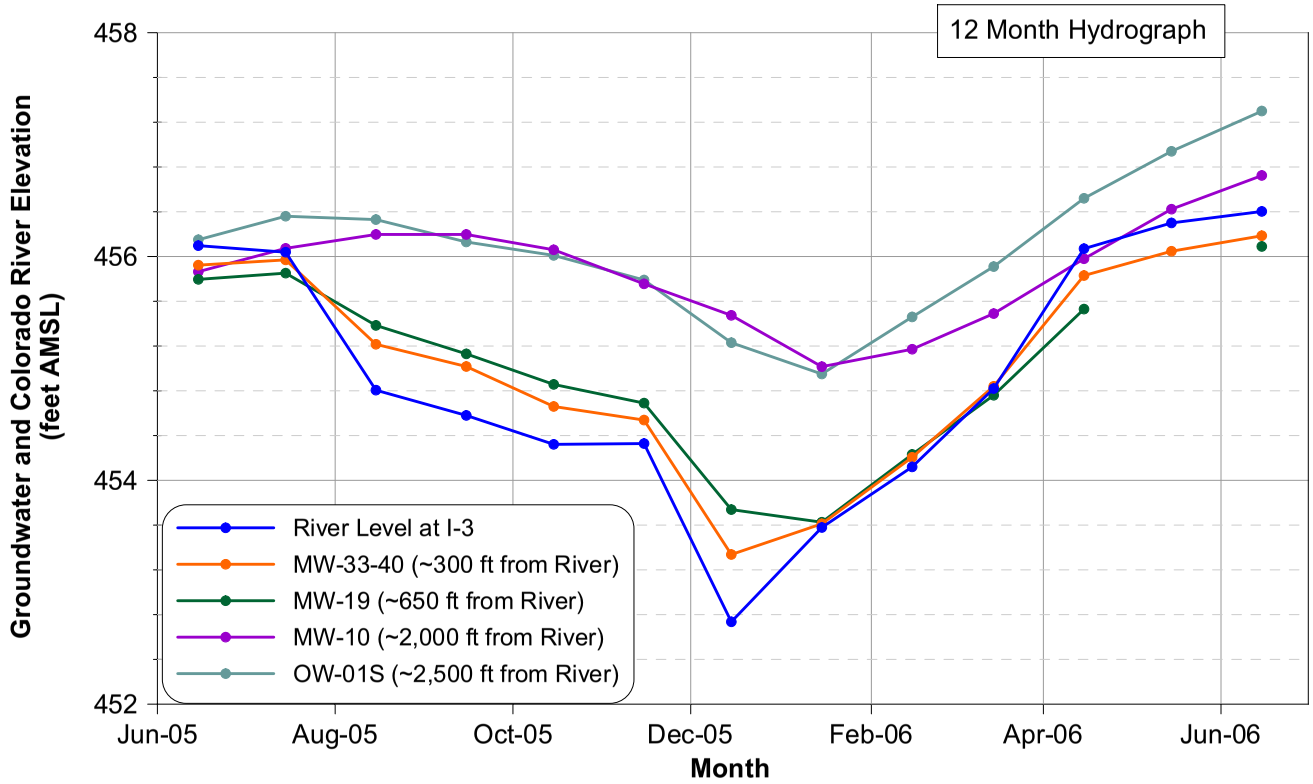

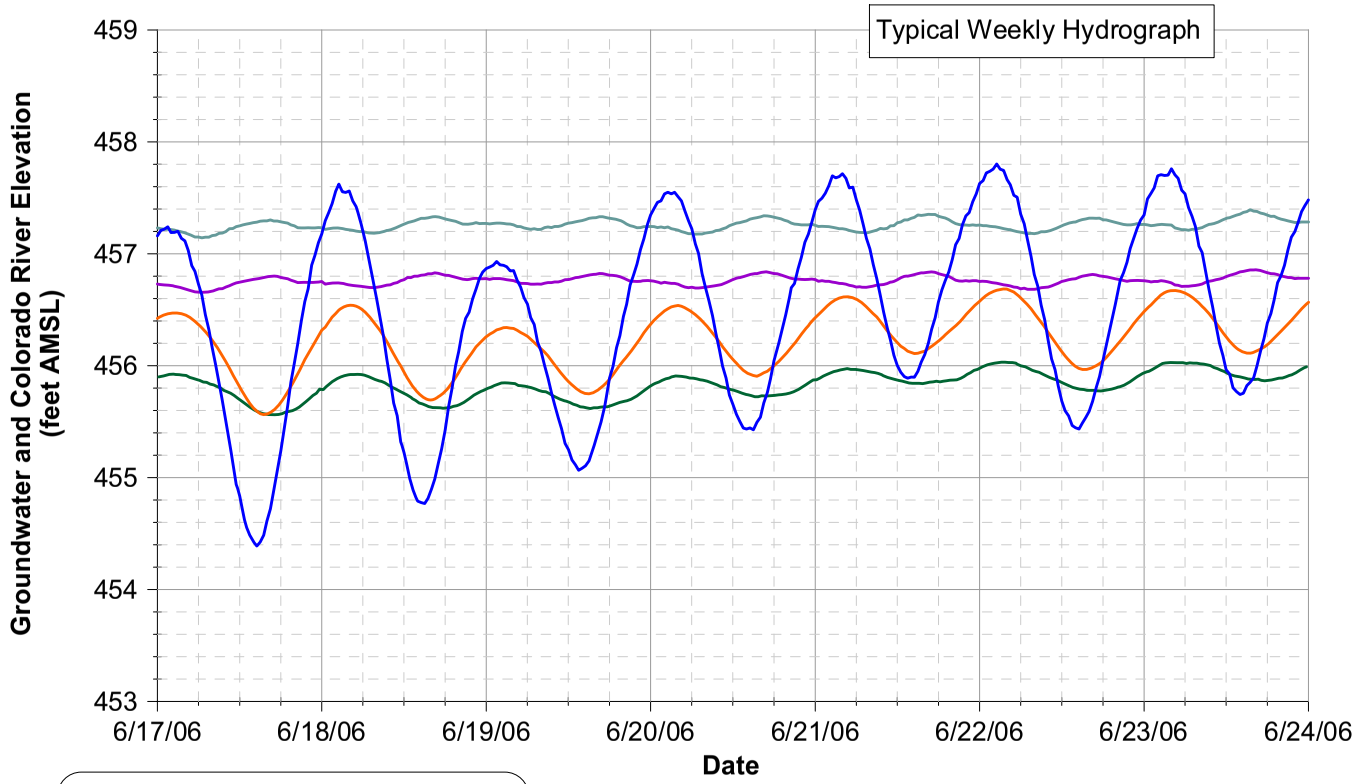

River Level at I-3
MW-33-40 (~300 ft from River)
MW-31-60 (~400 ft from River)
MW-10 (~2,000 ft from River)
OW-01S (~2,500 ft from River)

FIGURE 2-7
RIVER AND GROUNDWATER ELEVATIONS

RCRA FACILITY INVESTIGATION/REMEDIAL INVESTIGATION REPORT (VOLUME 1)
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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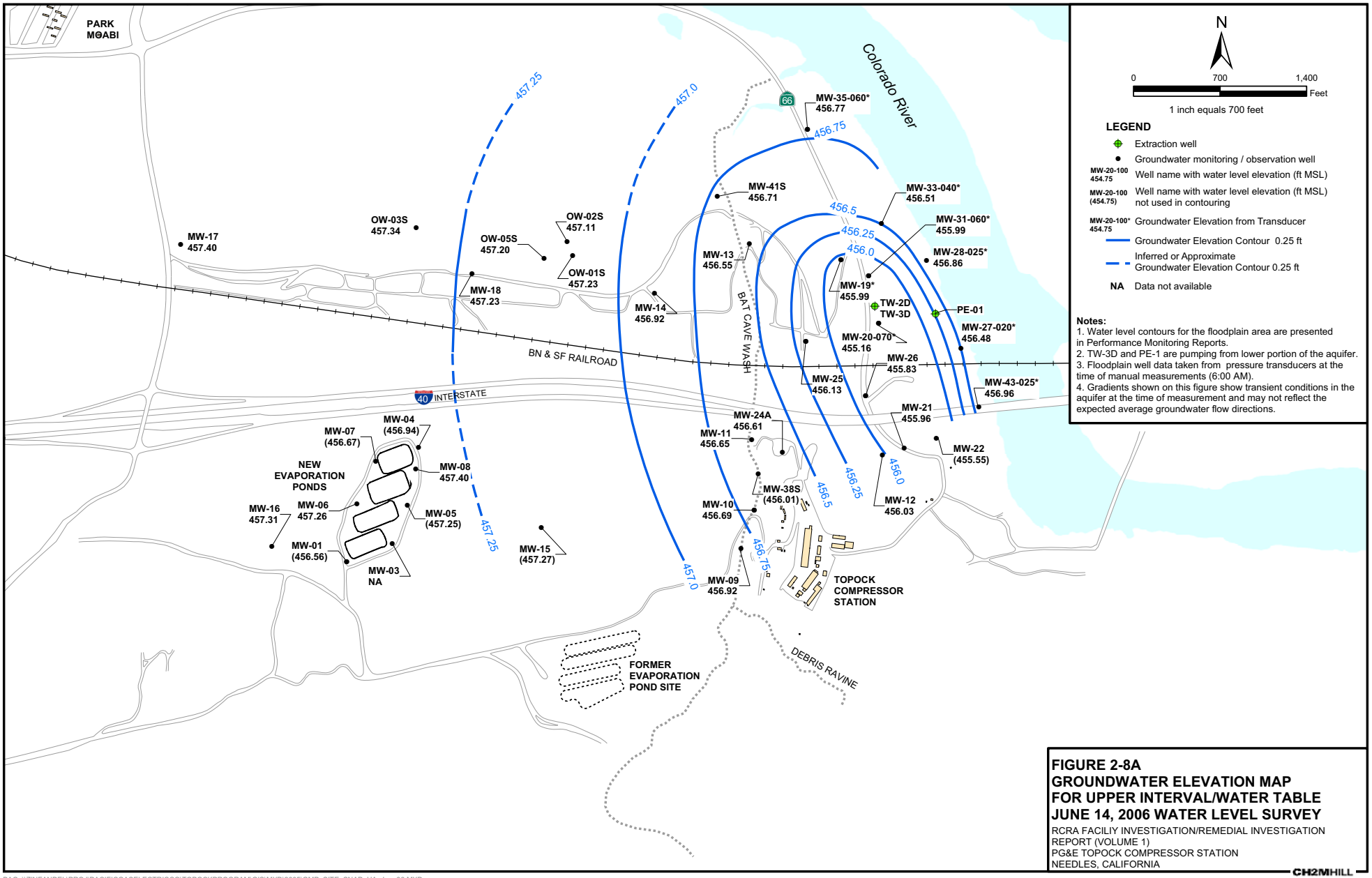

FIGURE 2-8A
GROUNDWATER ELEVATION MAP FOR UPPER INTERVAL/WATER TABLE JUNE 14, 2006 WATER LEVEL SURVEY

RCRA FACILIY INVESTIGATION/REMEDIAL INVESTIGATION REPORT (VOLUME 1)
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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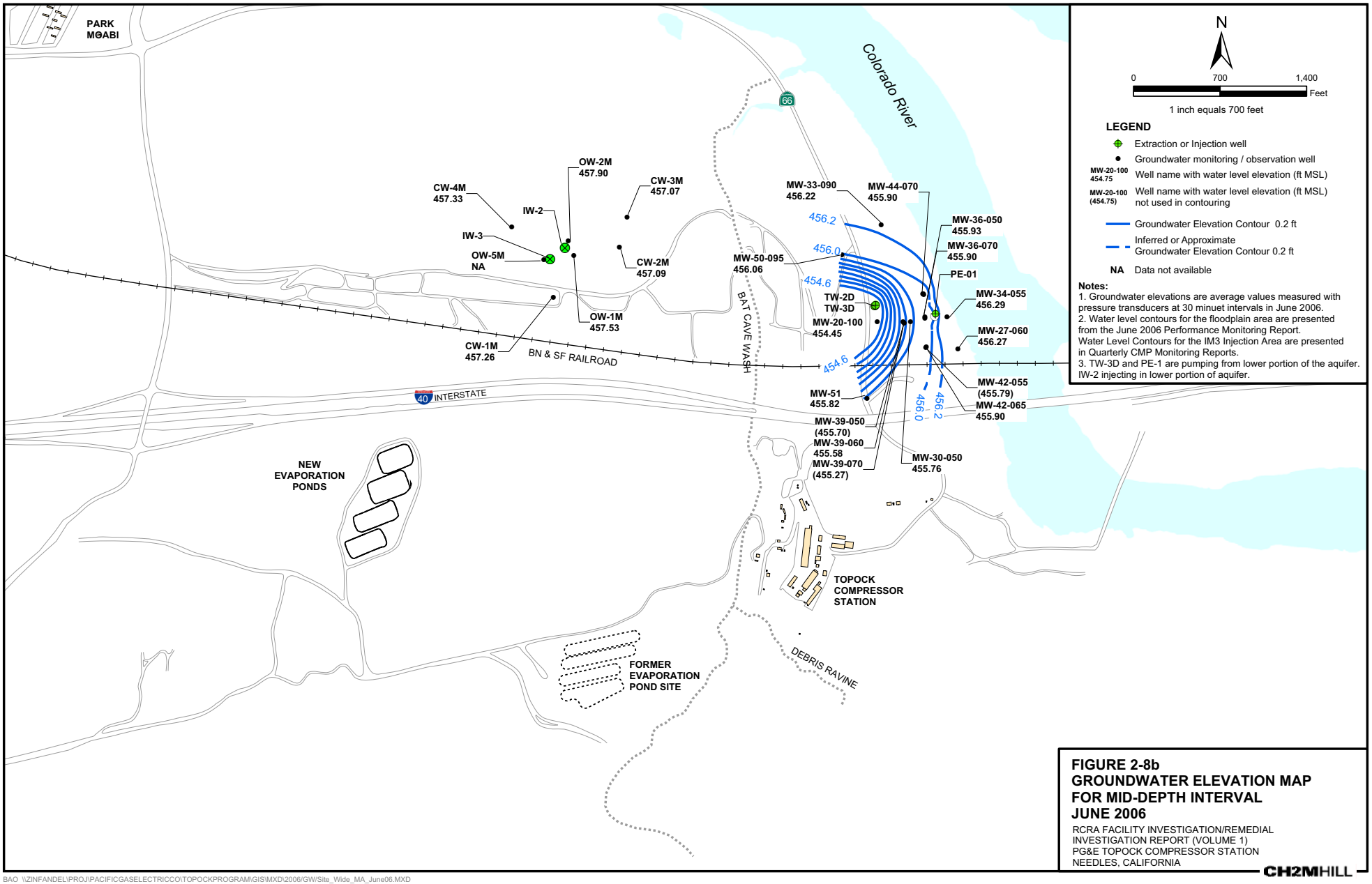

FIGURE 2-8b
GROUNDWATER ELEVATION MAP FOR MID-DEPTH INTERVAL JUNE 2006

RCRA FACILITY INVESTIGATION/REMEDIAL INVESTIGATION REPORT (VOLUME 1)
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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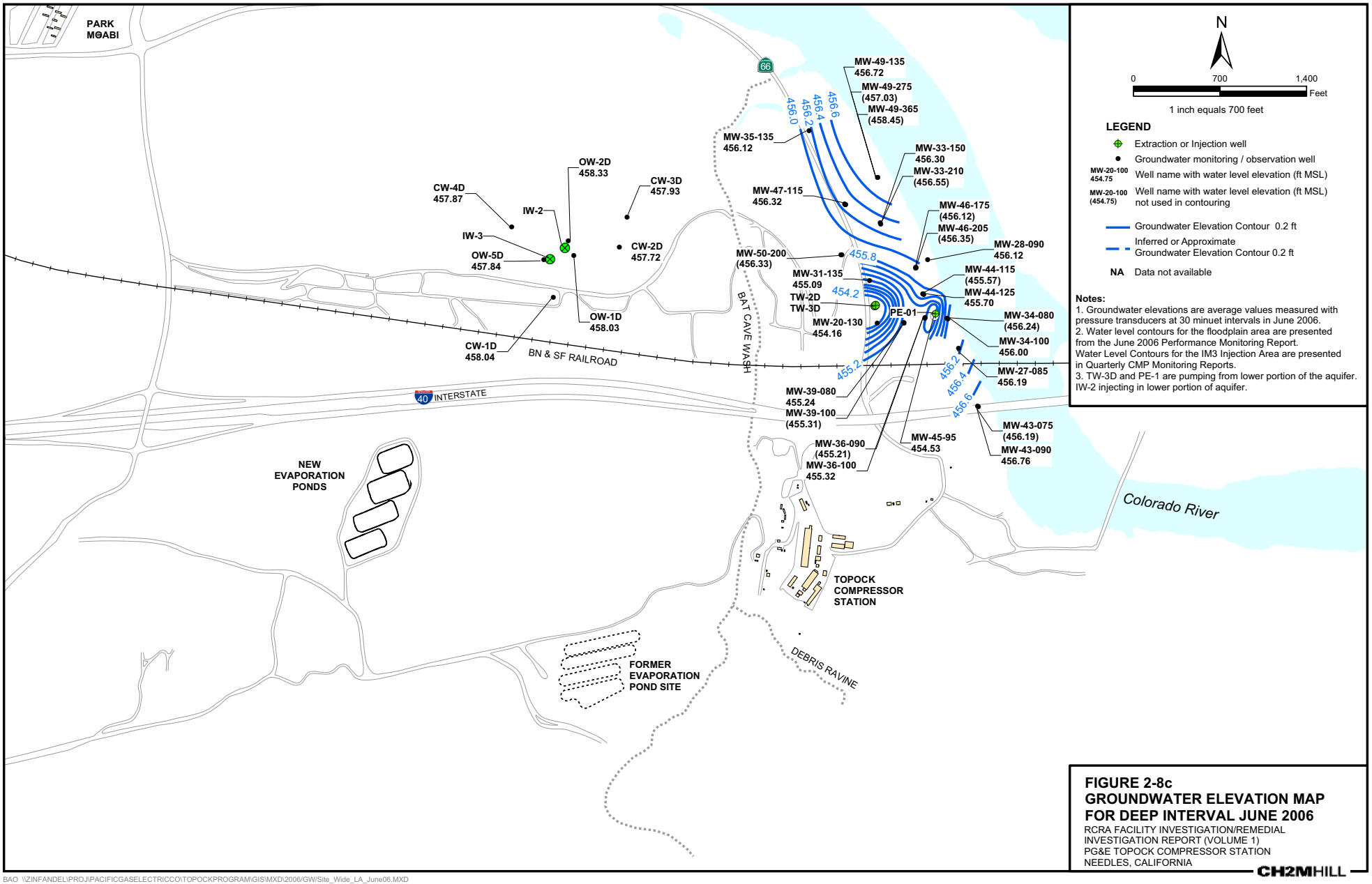

FIGURE 2-8c
GROUNDWATER ELEVATION MAP FOR DEEP INTERVAL JUNE 2006
RCRA FACILITY INVESTIGATION/REMEDIAL INVESTIGATION REPORT (VOLUME 1)
PG&E TOPOCK COMPRESSOR STATION
NEEDLES, CALIFORNIA

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