

- Groundwater Well completed in Alluvial Aquifer (Shallow, Mid-depth or Deep Zones)
- Groundwater Well completed in Bedrock

<u>Dissolved Selenium Average Concentrations</u>

5.8 (8/16) ← (No. of detections / No. of samples)

Average concentration, micrograms per liter (μg/L) 1997 - 2011 groundwater sampling

- ≤ 3.0 µg/L
- 3.0 10.3 μg/L
- 10.4 50.0 μg/L
- \odot > 50.0 µg/L

Notes:

- 1. Selenium Background Study Upper Tolerance Level (UTL) = 10.3 μg/L
- 2. Selenium applicable or relevant and appropriate requirement (ARAR) = 50.0 μg/L
- 3. In computing averages, non-detects were assigned half of the reporting limit concentration. Some averages may be elevated due solely to high reporting limits for non-detect samples. Refer to the complete data set in Appendix A for verification.

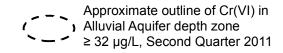
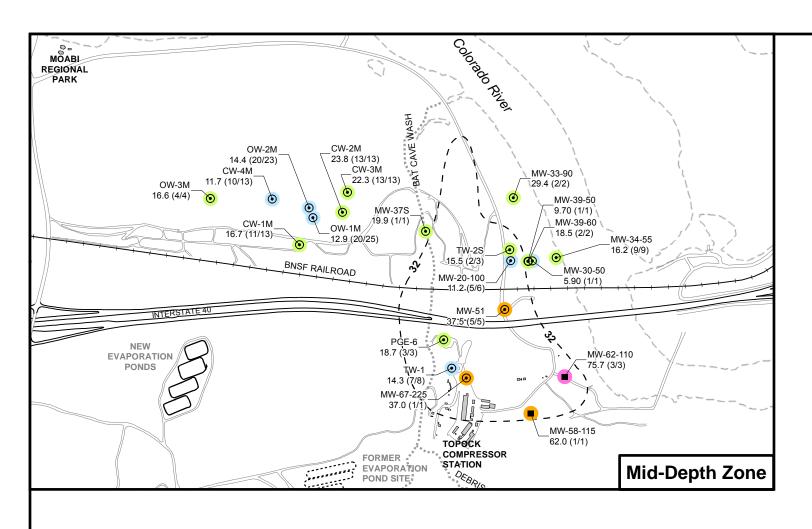
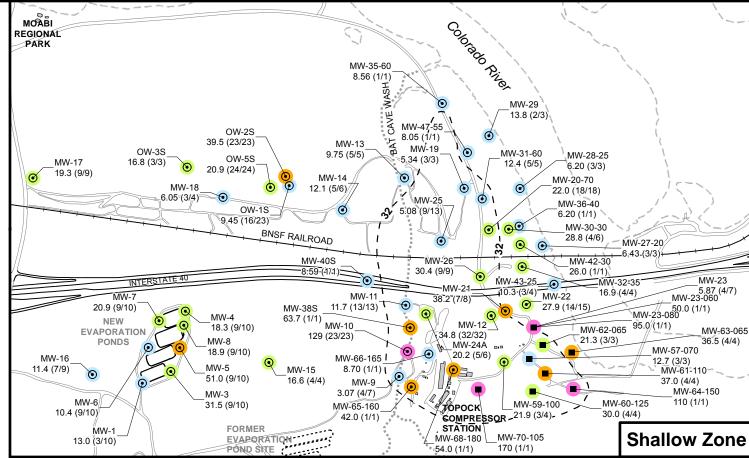
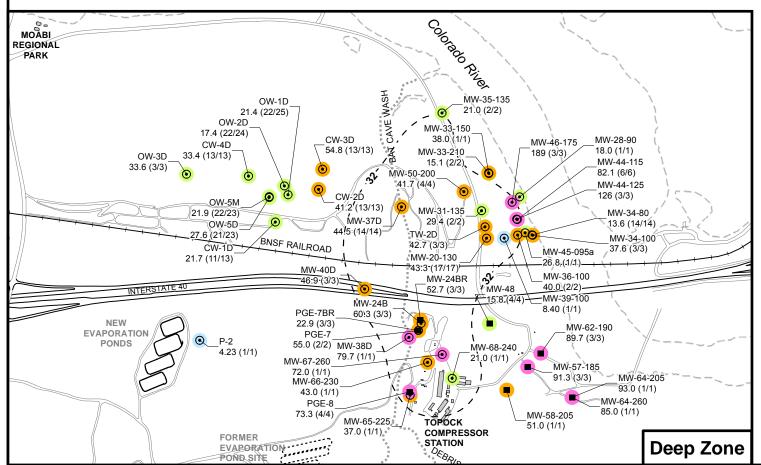


FIGURE 2-4 SELENIUM CONCENTRATIONS IN GROUNDWATER, JULY 1997 - JUNE 2011







- Groundwater Well completed in Alluvial Aquifer (Shallow, Mid-depth or Deep Zones)
- Groundwater Well completed in Bedrock

Dissolved Molybdenum Average Concentrations

5.8 (8/16) ← (No. of detections / No. of samples)

Average concentration, micrograms per liter (μg/L) 1997 - 2011 groundwater sampling

- ≤ 15.0 µg/L
- (o) 15.0 36.3 μg/L
- 36.4 70.0 μg/L
- \circ > 70.0 µg/L

Notes

- 1. Molybdenum Background Study Upper Tolerance Limit (UTL) = $36.3 \mu g/L$
- In computing averages, non-detects were assigned half of the reporting limit concentration. Some averages may be elevated due solely to high reporting limits for non-detect samples. Refer to the complete data set in Appendix A for verification.

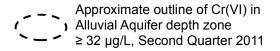
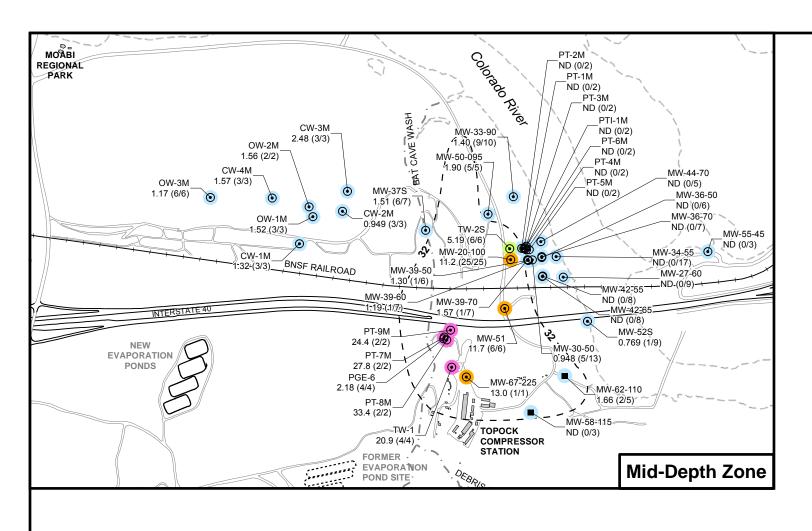
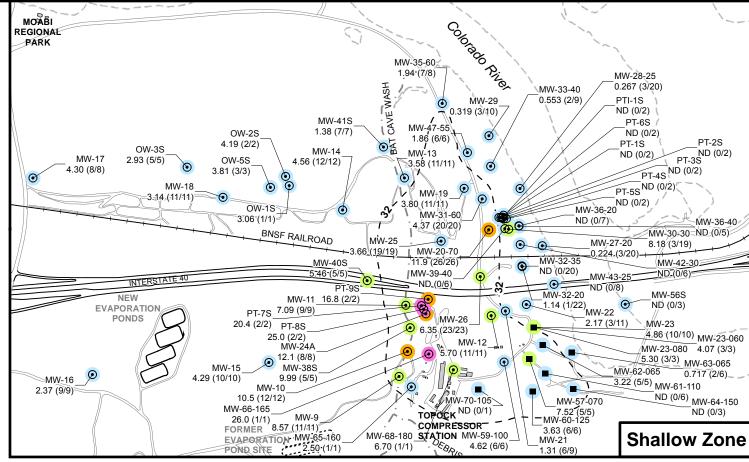
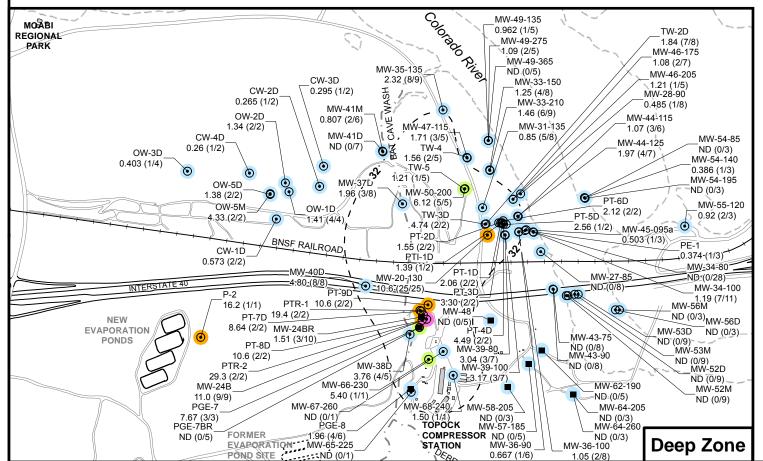


FIGURE 2-5 MOLYBDENUM CONCENTRATIONS IN GROUNDWATER, JULY 1997 - JUNE 2011







- Groundwater Well completed in Alluvial Aquifer (Shallow, Mid-depth or Deep Zones)
- Groundwater Well completed in Bedrock

Nitrate Average Concentrations

Average concentration, milligrams per liter (mg/L) 1997 - 2011 groundwater sampling

- ≤ 5.03 mg/L
- 5.03 10.0 mg/L
- 10.1 19.9 mg/L
- > 19.9 mg/L

Notes

- Nitrate Background Study Upper Tolerance Limit (UTL) = 5.03 mg/L
- 2. Nitrate applicable or relevant and appropriate requirement (ARAR) = 10.0 mg/L
- 3. In computing averages, non-detects were assigned half of the reporting limit concentration. Some averages may be elevated due solely to high reporting limits for non-detect samples. Refer to the complete data set in Appendix A for verification.

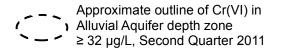
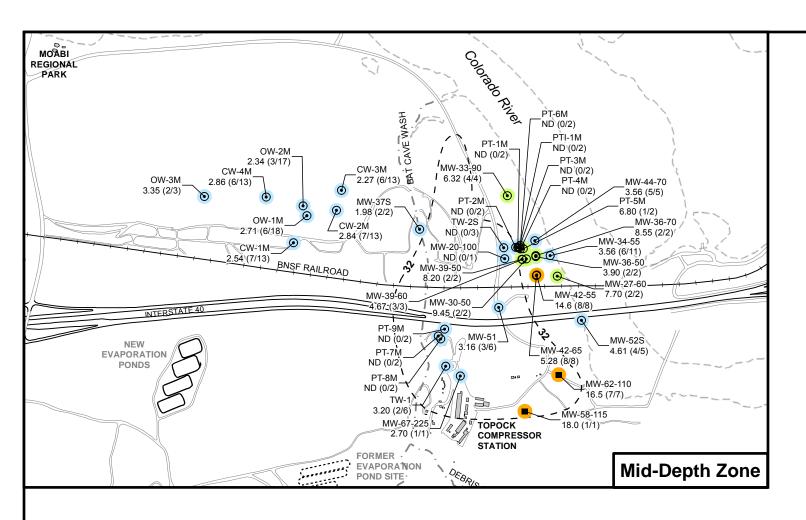
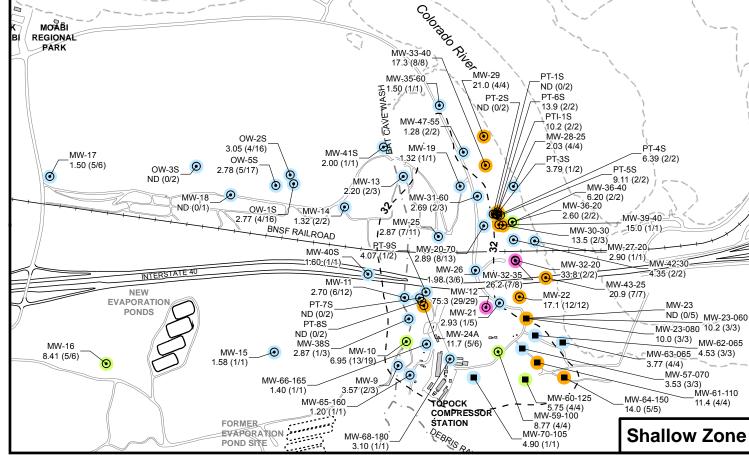
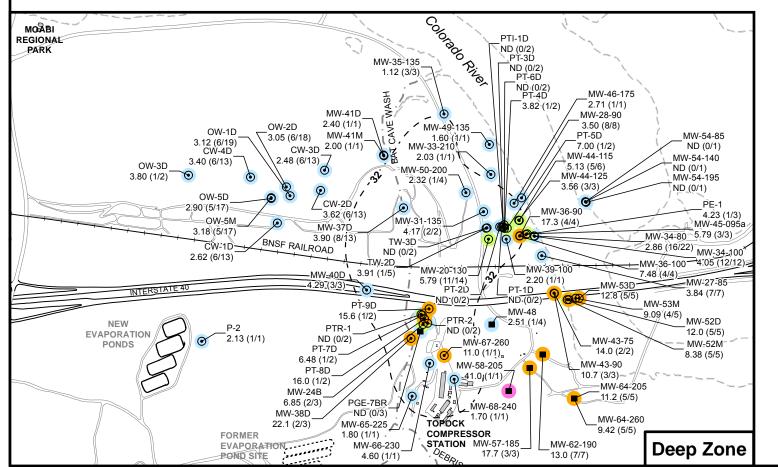


FIGURE 2-6 NITRATE CONCENTRATIONS IN GROUNDWATER, JULY 1997 - JUNE 2011







- Groundwater Well completed in Alluvial Aquifer (Shallow, Mid-depth or Deep Zones)
- Groundwater Well completed in Bedrock

Dissolved Arsenic Average Concentrations

5.8 (8/16) ← (No. of detections / No. of samples)

Average concentration, micrograms per liter (μg/L) 1997 - 2011 groundwater sampling

- ≤ 5.0 µg/L (or not detected [ND])
- 5.0 10.0 μg/L
- 10.1 24.3 μg/L
- \odot > 24.3 µg/L

Notes

- 1. Arsenic Background Study Upper Tolerance Limit (UTL) = 24.3 μg/L
- 2. Arsenic applicable or relevant and appropriate requirement (ARAR) = 10.0 μg/L
- In computing averages, non-detects were assigned half of the reporting limit concentration. Some averages may be elevated due solely to high reporting limits for non-detect samples. Refer to the complete data set in Appendix A for verification.

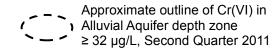
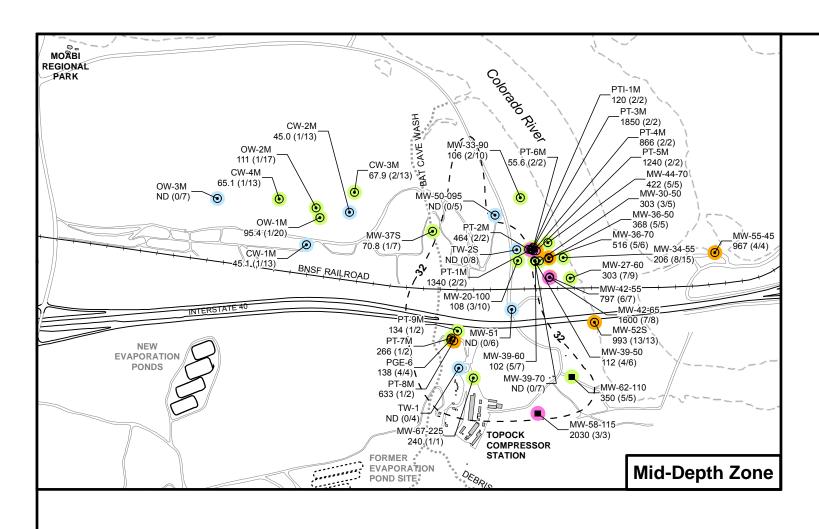
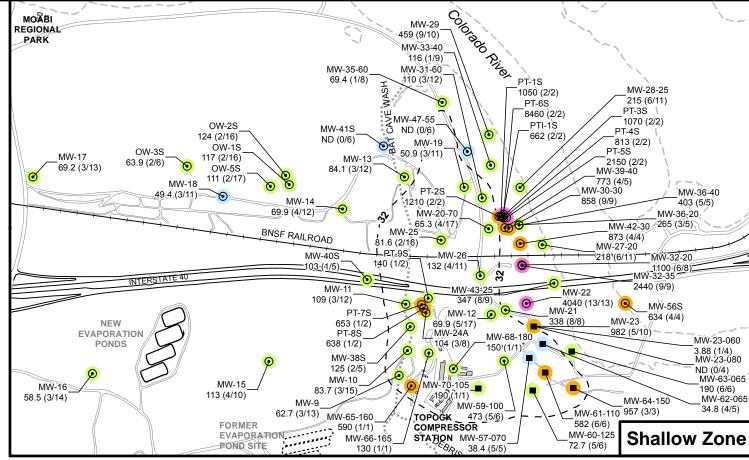
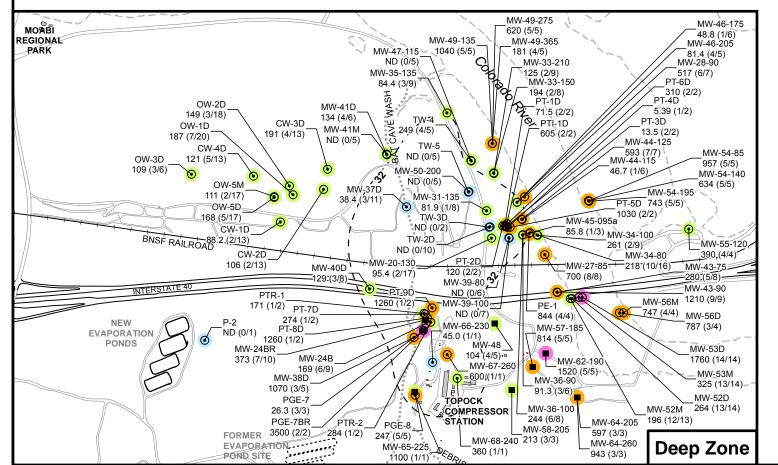


FIGURE 2-7 ARSENIC CONCENTRATIONS IN GROUNDWATER, JULY 1997 - JUNE 2011







- Groundwater Well completed in Alluvial Aquifer (Shallow, Mid-depth or Deep Zones)
- Groundwater Well completed in Bedrock

Dissolved Manganese Average Concentrations

5.8 (8/16) ← (No. of detections / No. of samples)

Average concentration, micrograms per liter (μg/L) 1997 - 2011 groundwater sampling

- 50.0 500 μg/L
- 500 1,320 μg/L
- > 1,320 μg/L

Notes

- Manganese Background Study Upper Tolerance Limit (UTL) = 1,320 μg/L
- 2. Manganese applicable or relevant and appropriate requirement (ARAR) = 50.0 μg/L
- In computing averages, non-detects were assigned half of the reporting limit concentration. Some averages may be elevated due solely to high reporting limits for non-detect samples. Refer to the complete data set in Appendix A for verification.

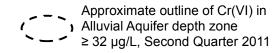
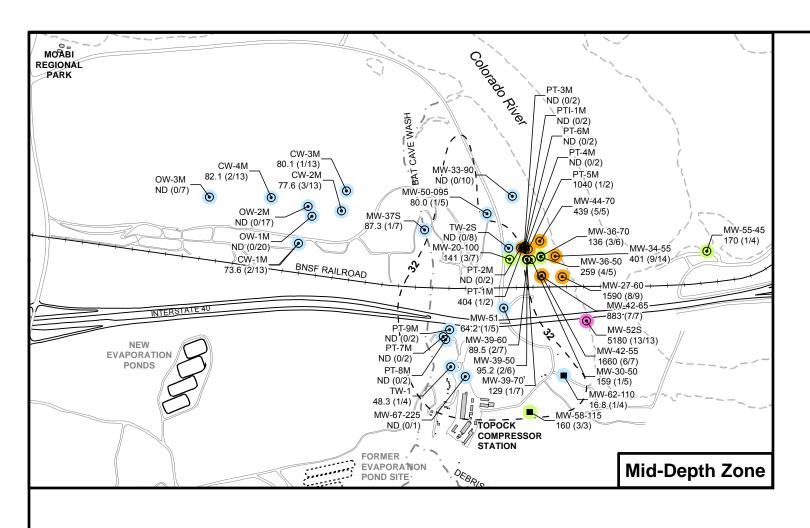
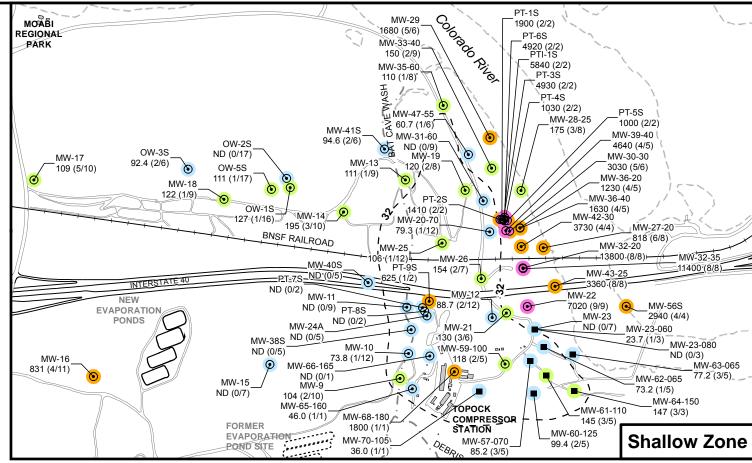
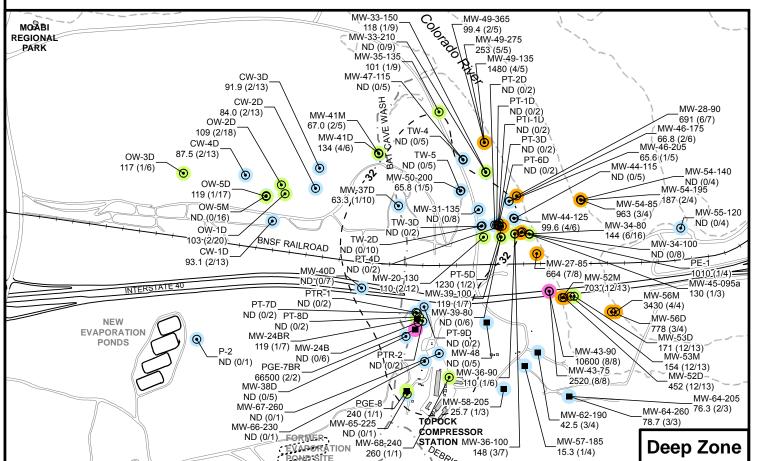


FIGURE 2-8 MANGANESE CONCENTRATIONS IN GROUNDWATER, JULY 1997 - JUNE 2011







- Groundwater Well completed in Alluvial Aquifer (Shallow, Mid-depth or Deep Zones)
- Groundwater Well completed in Bedrock

<u>Dissolved Iron Average Concentrations</u>

5.8 (8/16) ← (No. of detections / No. of samples)

Average concentration, micrograms per liter (μg/L) 1997 - 2011 groundwater sampling

- ≤ 100 µg/L
- 100 300 μg/L
- 300 3,930 μg/L
- > 3,930 μg/L

Notes

- 1. Iron Background Study Upper Tolerance Limit (UTL) = 3,930 μg/L
- 2. Iron applicable or relevant and appropriate requirement (ARAR) = 300 μg/L
- 3. In computing averages, non-detects were assigned half of the reporting limit concentration. Some averages may be elevated due solely to high reporting limits for non-detect samples. Refer to the complete data set in Appendix A for verification.

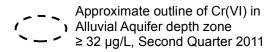
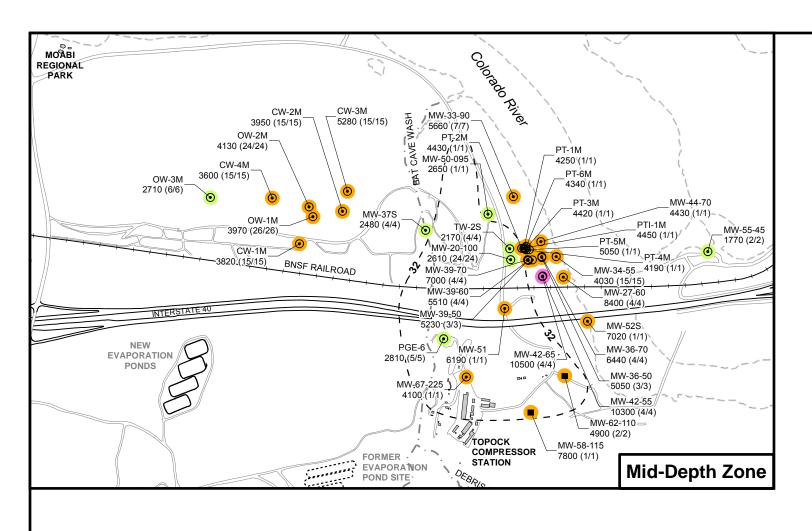
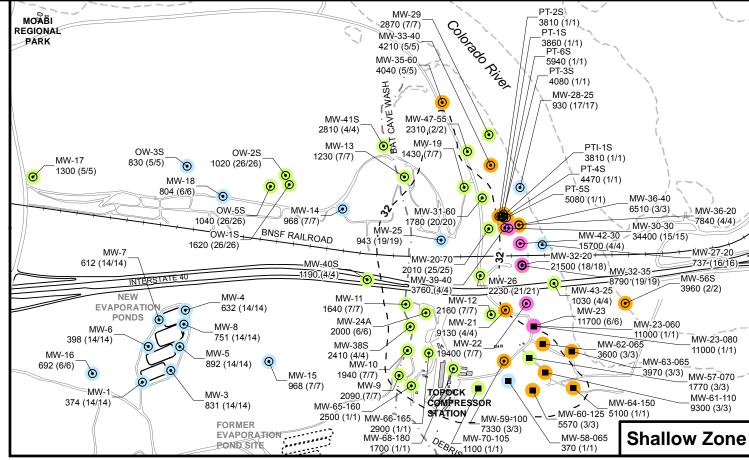
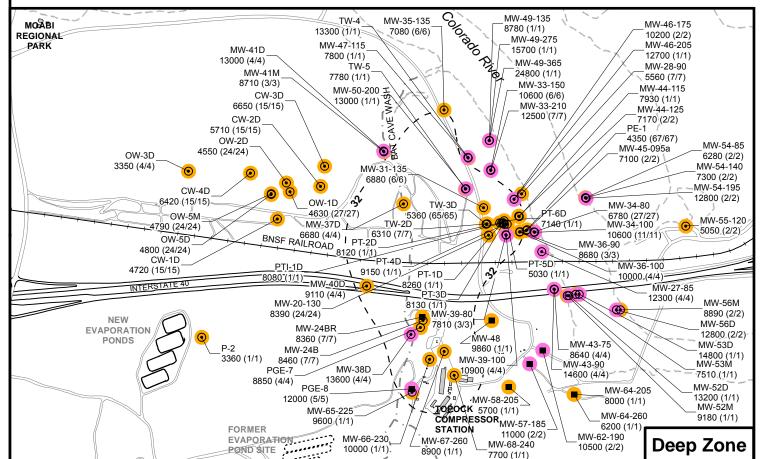


FIGURE 2-9 IRON CONCENTRATIONS IN GROUNDWATER, JULY 1997 - JUNE 2011







- Groundwater Well completed in Alluvial Aquifer (Shallow, Mid-depth or Deep Zones)
- Groundwater Well completed in Bedrock

TDS Average Concentrations

Average concentration, milligrams per liter (mg/L) 1997 - 2011 groundwater sampling

- ≤ 1,000 mg/L
- 1,000 3,000 mg/L
- 3,000 10,000 mg/L
- > 10,000 mg/L

Notes

- 1. TDS applicable or relevant and appropriate requirement (ARAR) = 1,000 mg/L
- In computing averages, non-detects were assigned half of the reporting limit concentration. Some averages may be elevated due solely to high reporting limits for non-detect samples. Refer to the complete data set in Appendix A for verification.

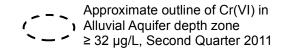
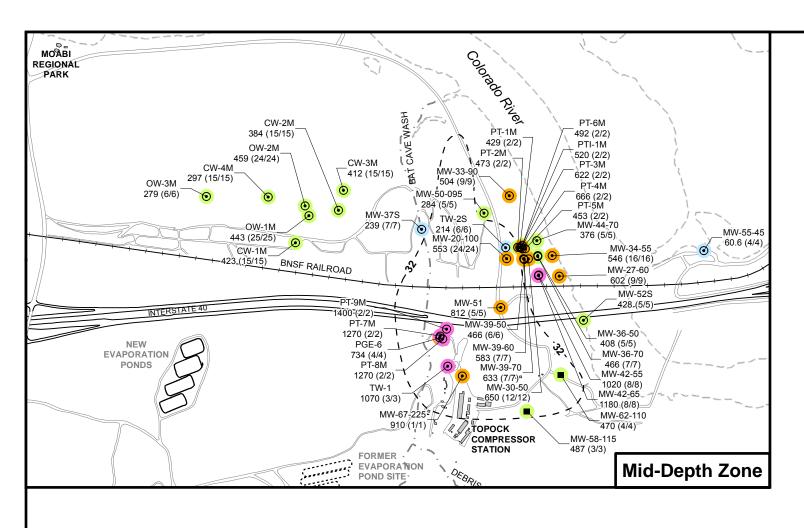
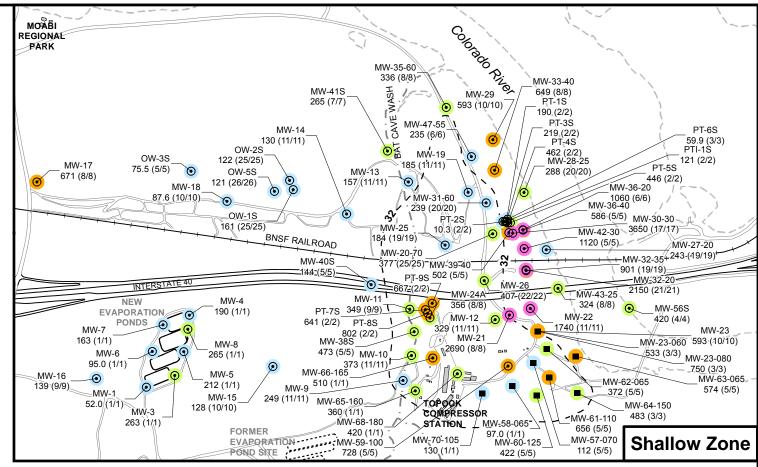
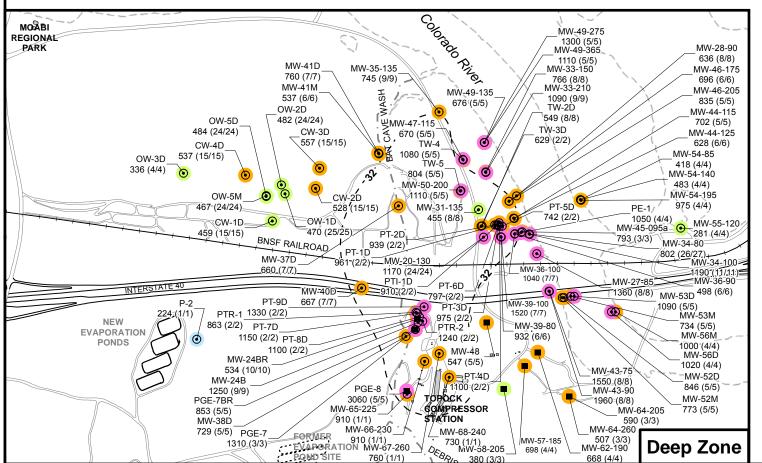


FIGURE 2-10 TDS CONCENTRATIONS IN GROUNDWATER, JULY 1997 - JUNE 2011







- Groundwater Well completed in Alluvial Aquifer (Shallow, Mid-depth or Deep Zones)
- Groundwater Well completed in Bedrock

Sulfate Average Concentrations

5.8 (8/16) ← (No. of detections / No. of samples)

Average concentration, milligrams per liter (mg/L) 1997 - 2011 groundwater sampling

- ≤ 250 mg/L
- 250 500 mg/L
- 500 1,000 mg/L
- > 1,000 mg/L

Notes:

- 1. Sulfate applicable or relevant and appropriate requirement (ARAR) = 500 mg/L
- In computing averages, non-detects were assigned half of the reporting limit concentration. Some averages may be elevated due solely to high reporting limits for non-detect samples. Refer to the complete data set in Appendix A for verification.

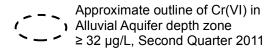


FIGURE 2-11 SULFATE CONCENTRATIONS IN GROUNDWATER, JULY 1997 - JUNE 2011

