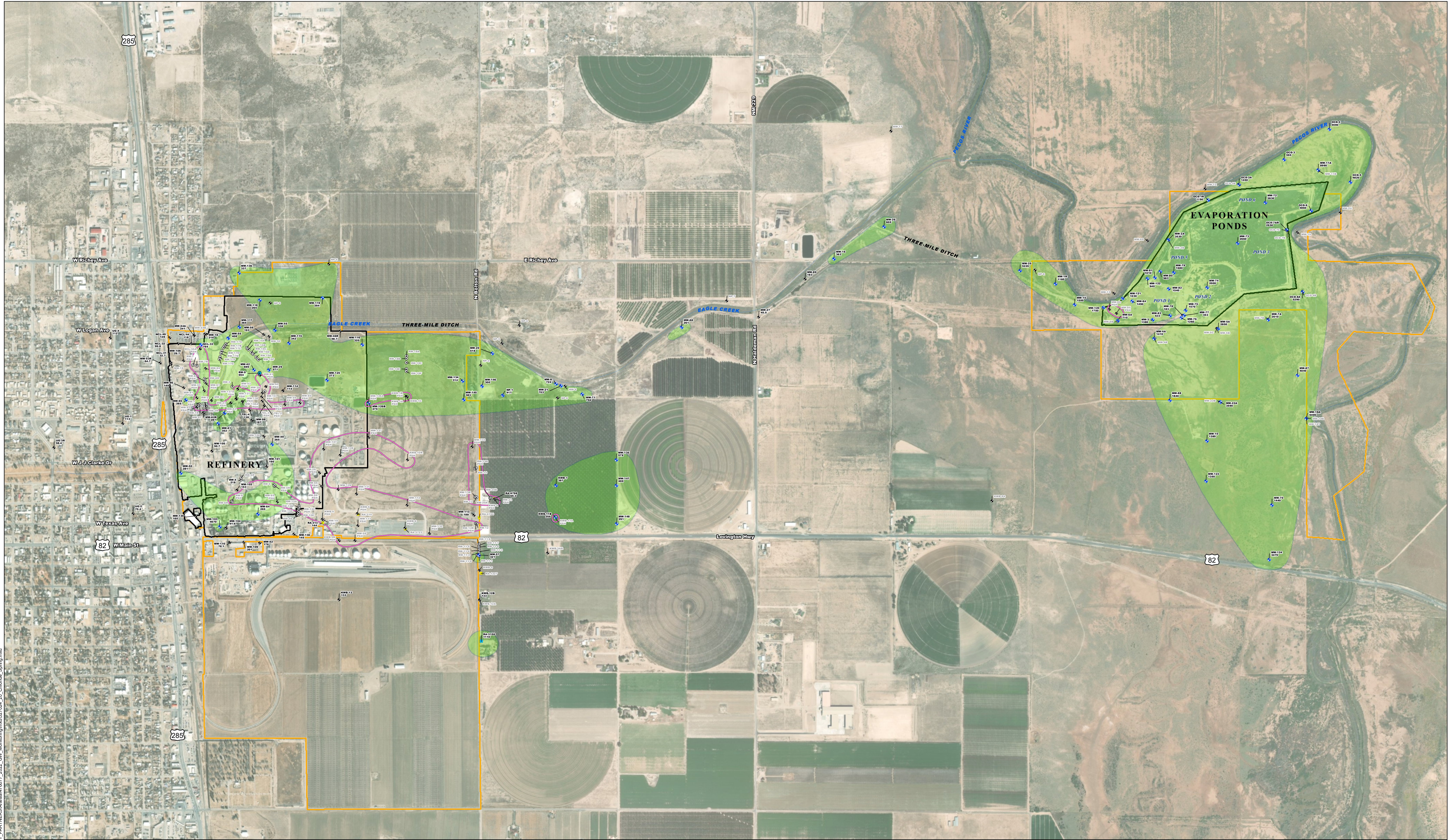




LEGEND

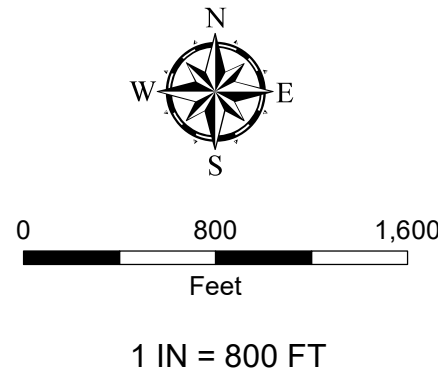
- ◆ MONITORING WELL EXCEEDS SCREENING LEVELS
- ◆ MONITORING WELL
- ◆ IRRIGATION WELL EXCEEDS SCREENING LEVELS
- IRRIGATION WELL
- RECOVERY WELL EXCEEDS SCREENING LEVELS
- RECOVERY WELL

- 133 CHLORIDE CONCENTRATION
- WELL NOT SAMPLED
- PSH PHASE-SEPARATED HYDROCARBON PRESENT IN WELL (≥ 0.03 FEET THICK)
- CHLORIDE CRITICAL GROUNDWATER SCREENING LEVEL EXCEEDANCE AREA (CONCENTRATION > 250 mg/L)
- FENCELINE
- HFSNR PROPERTY BOUNDARY (FENCELINE SHOWN WHERE COINCIDENT)

● PHASE-SEPARATED HYDROCARBON (PSH)

NOTES:

1. ALL CONCENTRATIONS ARE IN MILLIGRAMS PER LITER (mg/L).



CHLORIDE CRITICAL GROUNDWATER SCREENING LEVEL EXCEEDANCE MAP 2022 FIRST SEMIANNUAL EVENT

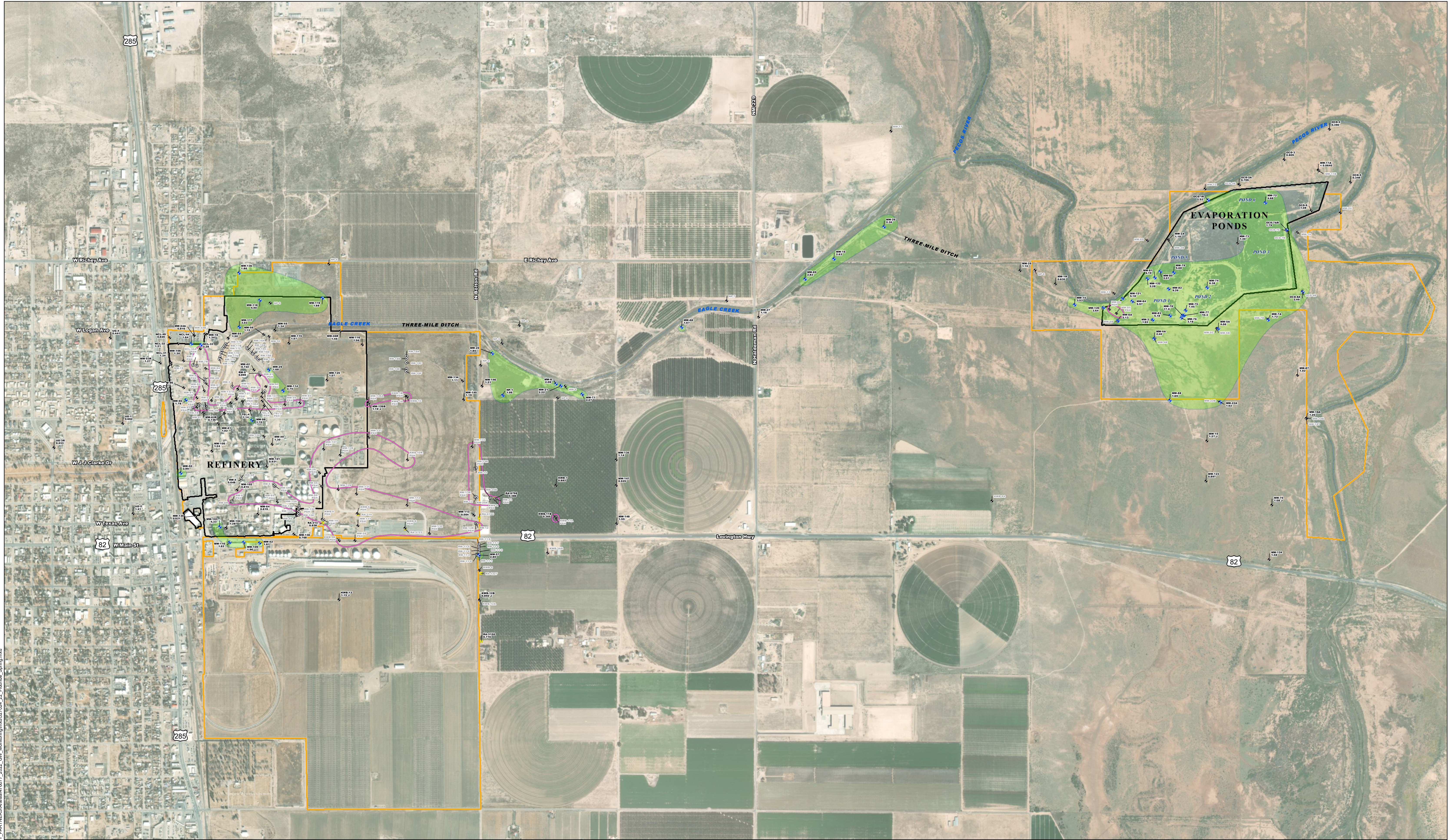
2022 ANNUAL GROUNDWATER REPORT  
HF SINCLAIR NAVAJO REFINING LLC  
ARTESIA REFINERY, EDDY COUNTY, NEW MEXICO

AUTHOR: MJAGOE    SAVED: 2/9/2023    MOD: 527024\_20\_Chloride\_Spring



505 E. HUNT LAND DR.  
SUITE 250  
AUSTIN, TX 78752  
PH: 512-329-6080

FIGURE  
20



LEGEND

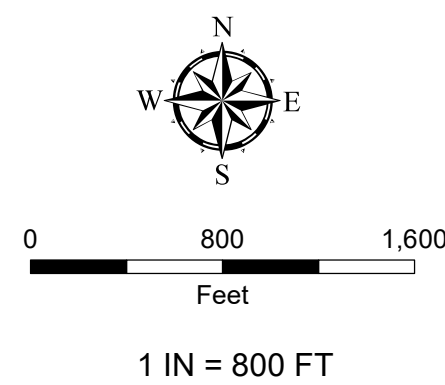
- ♦ MONITORING WELL EXCEEDS SCREENING LEVELS
- ♦ MONITORING WELL
- IRRIGATION WELL
- RECOVERY WELL EXCEEDS SCREENING LEVELS
- ⊙ RECOVERY WELL

- 3.03 FLUORIDE CONCENTRATION
- WELL NOT SAMPLED
- PSH PHASE-SEPARATED HYDROCARBON PRESENT IN WELL (≥ 0.03 FEET THICK)
- FLUORIDE CRITICAL GROUNDWATER SCREENING LEVEL EXCEEDANCE AREA (CONCENTRATION > 1.6 mg/L)
- FENCELINE
- HFSNR PROPERTY BOUNDARY (FENCELINE SHOWN WHERE COINCIDENT)

PHASE-SEPARATED HYDROCARBON (PSH)

NOTES:

1. ALL CONCENTRATIONS ARE IN MILLIGRAMS PER LITER (mg/L).



FLUORIDE CRITICAL GROUNDWATER SCREENING LEVEL EXCEEDANCE MAP 2022 FIRST SEMIANNUAL EVENT

2022 ANNUAL GROUNDWATER REPORT  
HF SINCLAIR NAVAJO REFINING LLC  
ARTESIA REFINERY, EDDY COUNTY, NEW MEXICO

AUTHOR: MJAGOE    SAVER: 1/26/2023    MXD: 5/27/2024\_22\_Fluoride\_Spring



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FIGURE  
22

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
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**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 335122

CONDITIONS

|                                                                                           |                                                                          |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Operator:<br>HF Sinclair Navajo Refining LLC<br>ATTN: GENERAL COUNSEL<br>Dallas, TX 75201 | OGRID:<br>15694                                                          |
|                                                                                           | Action Number:<br>335122                                                 |
|                                                                                           | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created By       | Condition                                                                                                             | Condition Date |
|------------------|-----------------------------------------------------------------------------------------------------------------------|----------------|
| michael.buchanan | 2022 Annual GW screening level maps for Fluoride and Chloride accepted as part of the record for RO discharge fields. | 5/3/2024       |