

Chevron Rockies Business Unit

Field Qualitative Criteria for ECMC Reporting Associated with the Discovery of Potentially Impacted Material

If answered **Yes** to any of the questions listed below, this may suggest the presence of potentially impacted materials as outlined in ECMC Rule 912. Out of an abundance of caution, a “Yes” response will be reported to the ECMC within 24 hours after discovery, regardless of laboratory results. **Immediately notify the RBU Remediation Team.** Include a copy of this Field Qualitative Spill Criteria Checklist in the field Report.

Please answer the following questions when on-site:

1. Is there visible petroleum hydrocarbon staining in the soil?
Yes
2. Does the soil sample from the stained area have a petroleum odor?
Yes
3. Is there a petroleum hydrocarbon sheen on the nearby surface water?
No
4. Does there appear to be a sheen of the surface of accumulated groundwater or seeps within the excavation indicative of petroleum?
No
5. Is stained soil in contact with groundwater?
No

Please Include relevant photos of the site conditions for items 1-5.

Location name: RICHARDSON-64N64W 10NWSW

Please Circle Facility Type: Tank Battery

Form 19 Information Summary

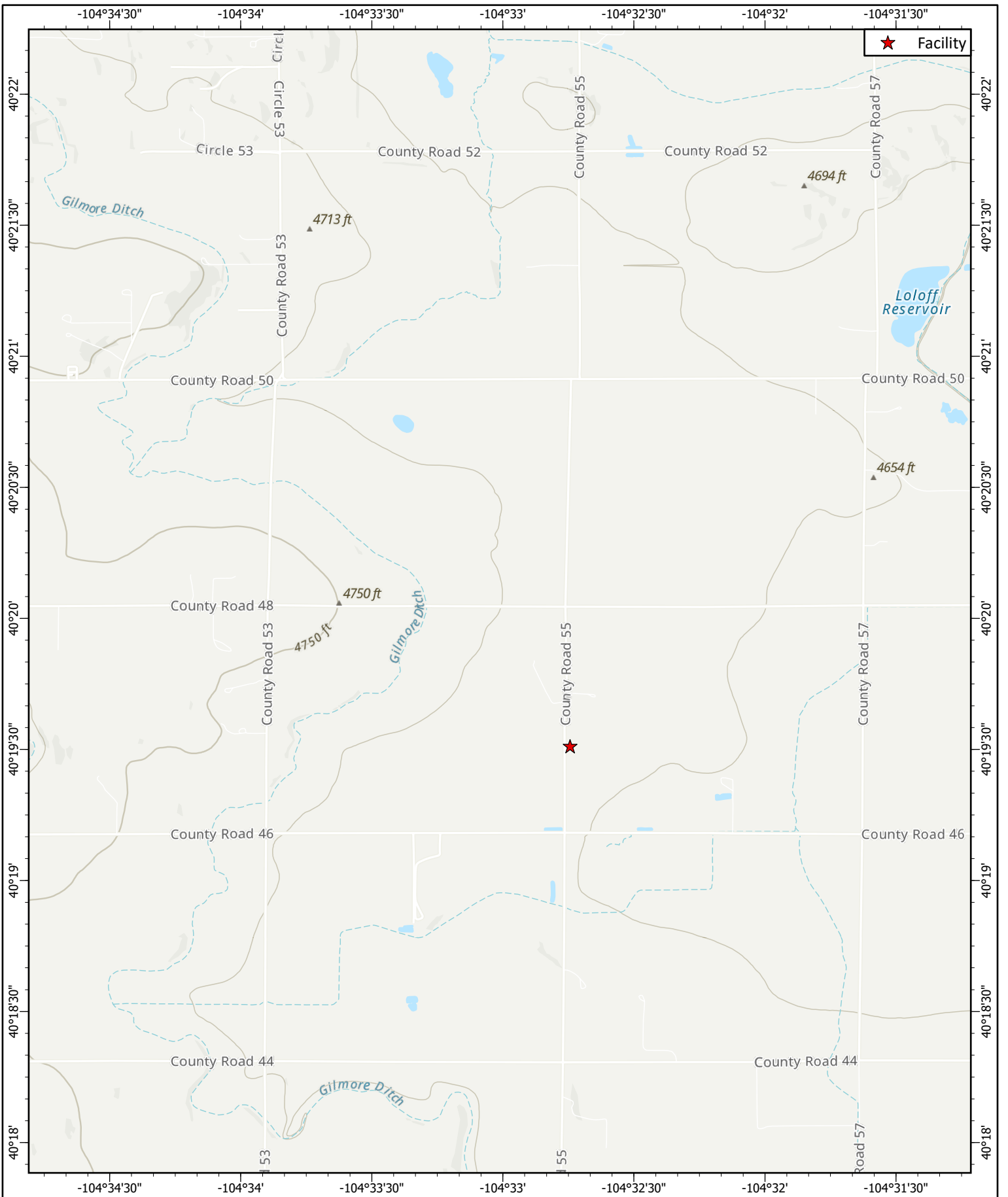
| | |
|--|---|
| Site Name | Richardson-64N64W 10NWSW |
| API # | N/A |
| REM # | 34536 |
| Facility ID | 329334 |
| Coordinates | PWV01-FS@6' (40.325431, -104.545719) PWV02-FS@6' (40.325441, -104.545662) PWV03-FS@6' (40.325433, -104.545614) PWV-SS09@5' (40.325414, -104.545722) AST02@0.5' (40.325382, -104.545728) |
| S/T/R | NWSW 10/4N/64W |
| Cause of Release | Presumed production activities |
| Date of Discovery | 12/05/2025 |
| Spill Type | Historical |
| Land Use | Cropland |
| Weather Conditions | 24°F and Fair |
| Surface Water | Riverine 0.3 mi E |
| Number of Water Wells within ½ Mile Radius | 5 Wells |
| Distance to Closest Water Well | 0.11 mi E |
| Approximate Depth to Groundwater | >20ft below ground surface |
| Distance to Nearest Wetland | Freshwater Emergent Wetland 0.89 mi NNW |
| Sensitive Area / Habitat | Commercial Structure 0.06mi N Farming Structure 0.08/0.09mi NNE, 0.08 NE, 0.15 NNW, 0.22 NW Residential Structure 0.09mi N, 0.14/0.16/0.18 NNW Livestock Structure 0.19/0.21/0.23mi NNW, 0.23/0.24/0.24/0.25 NW |
| 100 Year Floodplain | No |
| Release in Municipality | No |
| Fluid Released | Presumed production fluids |
| Volume of Release | Unknown |
| Livestock Present | No |
| Closest Building | 0.06 mi N |
| Soil Type(s) | SW |
| Disposal Facility | Buffalo Ridge |
| Excavation Dimensions | 41 ft. Long x 21 ft. wide x 6 ft. deep |
| Notes: | |
| <i>On Friday, December 5, 2025, Montrose personnel mobilized to the Richardson-64N64W 10NWSW tank battery location (Site; 40.325200, -104.545723) to collect confirmation soil samples and perform soil screening as part of</i> | |

tank battery decommissioning activities. Soil sampling and screening locations were based on ECMC regulations. During decommissioning activities of a produced water vessel (PWV) and an aboveground storage tank (AST), visibly stained soil was observed which produced a petroleum odor.

Visibly stained soils were observed in the excavation associated with produced water vessels PWV-01, PWV-02, and PWV-03 at depths at least 6 feet below ground surface (bgs). The dimensions of the excavation associated with the PWVs was approximately 41 feet long, 21 feet wide, and 6 feet deep. Staining and petroleum odors were still present in Site soils at this location following the excavation. Soils samples were collected from the excavation floor at sample locations PWV01-FS (40.325431, -104.545719), PWV02-FS (40.325441, -104.545662), and PWV03-FS (40.325433, -104.545614) at approximately six feet bgs, and at samples location PWV-SS09 (PWV excavation south-western sidewall; 40.325414, -104.545722) at approximately five (5) feet bgs. As shown on Table 1 (Field Data Summary Table; attached), photoionization detector (PID) readings collected from these sample locations ranged from 2.6 parts per million (ppm) to 89.0 ppm. The excavated material was removed from the Site and transported to Buffalo Ridge Landfill for proper disposal. The excavation was partially backfilled with clean fill material.

Stained soils that produced a petroleum odor were also encountered at the aboveground storage tank sample location AST-02 (40.325382, -104.545728) at the ground surface to approximately 0.5 feet bgs. A maximum PID reading of 3.6 ppm was measured from this material. A soil sample was collected from the AST-02 sample location at a depth of approximately 0.5 feet bgs. Surficial soils were not excavated at the AST-02 sample locations.

Soil samples collected during the AST and PWV decommissioning activities were submitted for the full ECMC Table 915-1 suite of analyses. Laboratory analyses are pending and will be submitted upon their receipt.



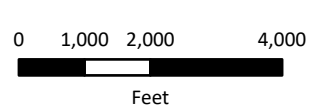
**Topographic Map of
Richardson 64N64W 10NWSW**

Noble-100322 Facility Number: 428133
 NWSW/S10/T4N/R64W REM Number: 34536
 Weld County, Colorado API Number: N/A

Montrose Environmental Group
 Date: 12/5/2025

Reviewed By: R. Bumgardner
 Author: D. Virilar-Knight

Figure 1



Coord. Sys.: GCS North American 1983




MONTROSE ENVIRONMENTAL

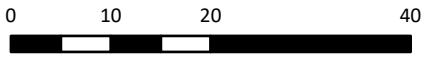

Montrose Environmental Group
Date: 12/5/2025

Reviewed By: R. Bumgardner
Author: D. Virlar-Knight

Potential Release Locations (12/05/25)
Richardson 64N64W 10NWSW

| | |
|-----------------------|-------------------------|
| Noble-100322 | Facility Number: 329334 |
| NWSW/S10/T4N/R64W | REM Number: 34536 |
| Weld County, Colorado | API Number: N/A |

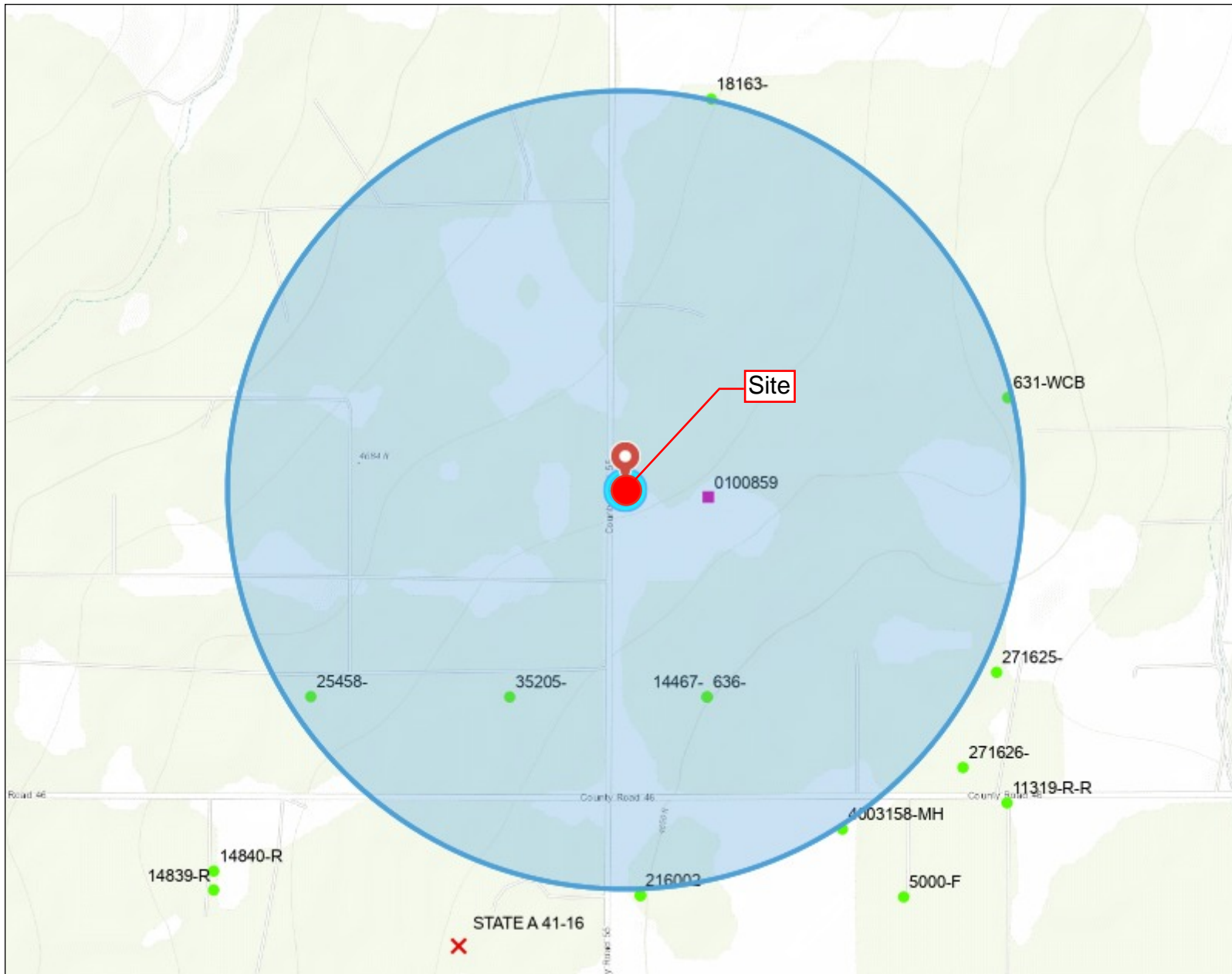
Figure 2

Coord. Sys.: GCS North American 1983



Richardson 64W64W 10NWSW



Legend

- Surface Water
- ▲ All Points of Interest
- Well Constructed
- Final Permit
- ✗ Geophysical Log
- Active Gage - Diversion
- Active Gage - Reservoir
- Active Gage - Stream
- All Stations
- Livestock Water Tank/Erosion
 - Erosion Control Dam
 - Livestock Water Tank
- County

Location

Notes

REM# 34536

2,000 0 1,000 2,000 Feet



1: 12,000



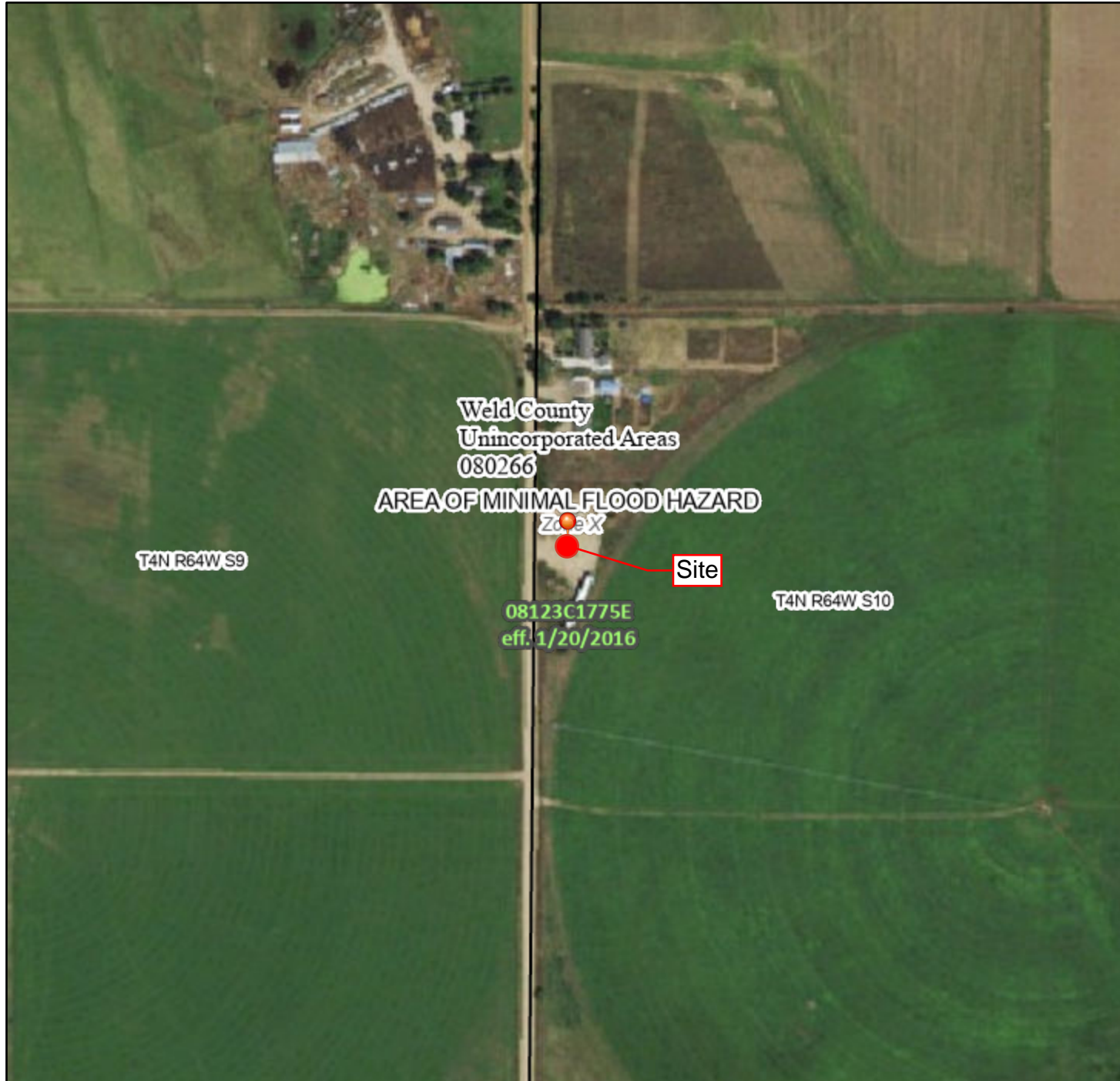
This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Date Prepared: 12/5/2025 1:16:49 PM

National Flood Hazard Layer FIRMMette



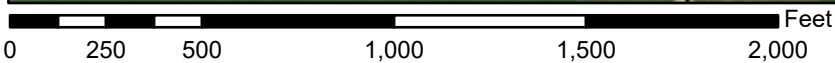
104°33'3"W 40°19'44"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

| | | |
|-----------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS | | Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i> |
| | | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i> |
| | | Regulatory Floodway |
| OTHER AREAS OF FLOOD HAZARD | | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
| | | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i> |
| | | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i> |
| | | Area with Flood Risk due to Levee <i>Zone D</i> |
| OTHER AREAS | | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i> |
| | | Effective LOMRs |
| GENERAL STRUCTURES | | Area of Undetermined Flood Hazard <i>Zone D</i> |
| | | Channel, Culvert, or Storm Sewer |
| | | Levee, Dike, or Floodwall |
| OTHER FEATURES | | Cross Sections with 1% Annual Chance Water Surface Elevation |
| | | Coastal Transect |
| | | Base Flood Elevation Line (BFE) |
| | | Limit of Study |
| | | Jurisdiction Boundary |
| MAP PANELS | | Coastal Transect Baseline |
| | | Profile Baseline |
| | | Hydrographic Feature |
| | | Digital Data Available |
| | | No Digital Data Available |
| | | Unmapped |
| | | The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location. |



1:6,000

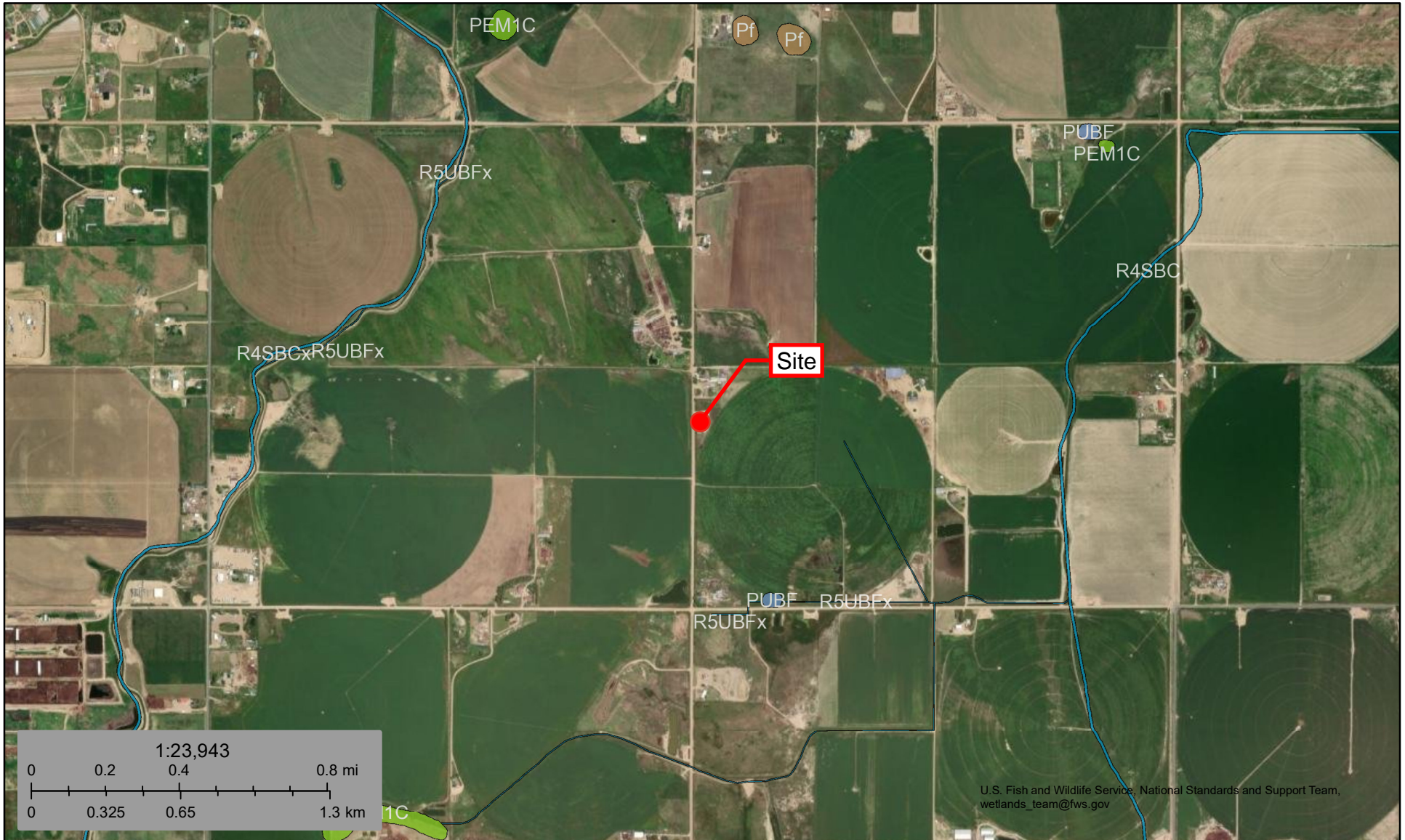
104°32'26"W 40°19'17"N

Basemap Imagery Source: USGS National Map 2023

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **12/5/2025 at 8:27 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.


This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov


December 5, 2025

Wetlands

- | | | |
|--|---|--|
|  Estuarine and Marine Deepwater |  Freshwater Emergent Wetland |  Lake |
|  Estuarine and Marine Wetland |  Freshwater Forested/Shrub Wetland |  Other |
| |  Freshwater Pond |  Riverine |

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

| | | | |
|--------------------------------|---|--|-----------------------------|
| Client Name: Chevron | Project Name: Richardson 64N64W 10NWSW | Project Location: 40.325200, -104.545723 | REM Number: 34536 |
|--------------------------------|---|--|-----------------------------|

| | | |
|---|----------------------------|--|
| Photo: 1 | Date: 12/05/2025 | Description: Representative picture of soil excavation associated with the PWV01, PWV02, PWV03 sample locations (40.325431, -104.545719; 40.325441, -104.545662; and 40.325433, -104.545614, respectively) at a depth of approximately six (6) feet below ground surface (bgs) in well graded sand (SW). Soil staining and petroleum odor observed. |
|  | | |

| | | |
|--|----------------------------|---|
| Photo: 2 | Date: 12/05/2025 | Description: Soil staining in well graded sand (SW) excavated at the former PWV01, PWV02, and PWV03 locations. |
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|--------------------------------|---|--|-----------------------------|
| Client Name: Chevron | Project Name: Richardson 64N64W 10NWSW | Project Location: 40.325200, -104.545723 | REM Number: 34536 |
|--------------------------------|---|--|-----------------------------|

| | | |
|--------------------|----------------------------|---|
| Photo: 3 | Date: 12/05/2025 | Description: Soil staining in well graded sand (SW) excavated at the former PWV01, PWV02, and PWV03 locations. |
|--------------------|----------------------------|---|



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|--------------------|----------------------------|---|
| Photo: 4 | Date: 12/05/2025 | Description: Representative picture of soils at sampling location AST02 (above ground storage tank; 40.325382, -104.545728) at a depth of approximately 0.5 feet bgs in well graded sand (SW) (PID: 3.6ppm). Staining and petroleum odor observed. |
|--------------------|----------------------------|---|



| | | | |
|--------------------------------|---|--|-----------------------------|
| Client Name: Chevron | Project Name: Richardson 64N64W 10NWSW | Project Location: 40.325200, -104.545723 | REM Number: 34536 |
|--------------------------------|---|--|-----------------------------|

| | | |
|--------------------|----------------------------|--|
| Photo: 5 | Date: 12/05/2025 | Description: Soil staining in well graded sand (SW) at sampling location AST02 (40.325382, -104.545728) at a depth of approximately 0.5 feet bgs (PID: 3.6ppm). |
|--------------------|----------------------------|--|



TABLE 1
FIELD DATA SUMMARY TABLE
OPERATOR (NOBLE 100322)
Richardson 64W64W 10NWSW, WELD, COLORADO
REM # 34536

| Sample ID | Sample Date | Depth (ft) | GPS Data | | PDOP Value | VOC Concentration (ppm) |
|--------------|-------------|------------|--------------------|--------------|------------|-------------------------|
| | | | Latitude/Longitude | | | |
| PWV01-FS @6' | 12/5/2025 | 6.0 | 40.3254314 | -104.5457192 | 1.00 | 89.0 |
| PWV02-FS@6' | 12/5/2025 | 6.0 | 40.3254412 | -104.5456619 | 1.00 | 6.5 |
| PWV03-FS@6' | 12/5/2025 | 6.0 | 40.3254327 | -104.5456137 | 1.00 | 2.6 |
| PWV-SS09@5' | 12/5/2025 | 5.0 | 40.3254138 | -104.5457222 | 1.00 | 68.8 |
| AST02@0.5' | 12/5/2025 | 0.5 | 40.3253821 | -104.5457278 | 0.90 | 3.6 |

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dilution of Precision

ppm = Parts per million

in. = Inches

ft. = Feet

bgs = Below ground surface