

LEGEND:

- Soil Sample Location
- ND= Not Detected
- NA= Not Analyzed

NOTES:
VALUES PRESENTED IN **BOLD** EXCEED CECMC TABLE 915-1 REGULATORY LIMITS
ALL LOCATIONS ARE APPROXIMATE UNLESS NOTED OTHERWISE

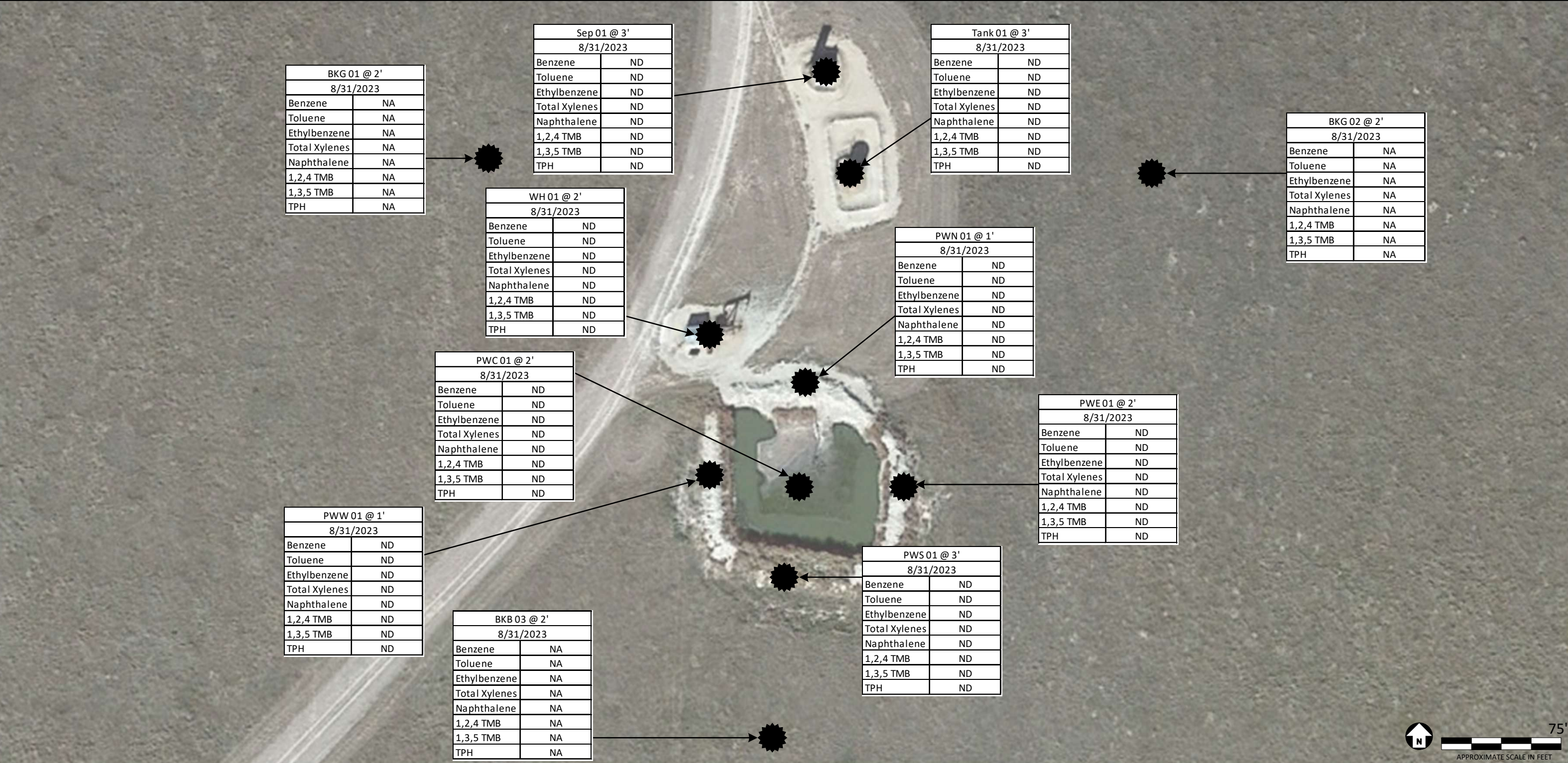
Inorganics	
CECMC Clean-Up Concentrations	
EC	< 4 mmhos/cm
SAR	< 6 ratio
pH	6-8.3 SU
Boron	2 mg/L

mg/kg- milligrams per kilogram
mg/L- milligrams per liter
ppm- parts per million
TPH- Total Petroleum Hydrocarbons
CECMC- Colorado Energy & Carbon
Management Commission
Mmhos/cm- Millimhos per
centimeter
EC- Electrical conductivity
SAR- Sodium absorption ratio

Imagery source: Google Earth; 2016 Google

Chaco Energy Company
Weld County Kindt
Inorganics Soil Sample Location Figure
API 123-12182/ Location ID 327811/ Pit ID
117932
NENW S11, T7N R57W





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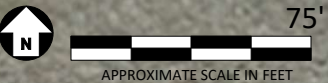
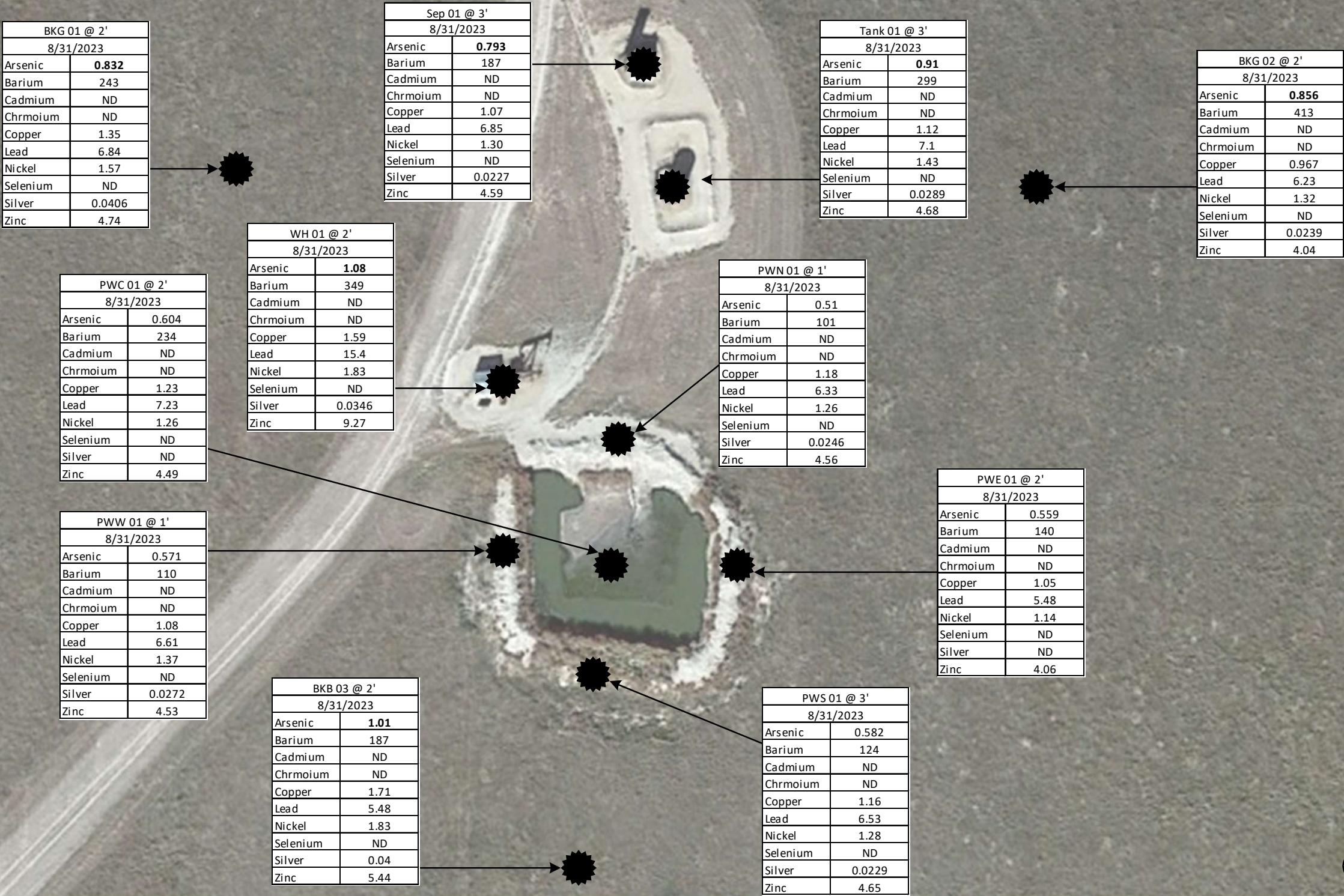
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Organics	
Residential Soil Screening Level Concentrations	
Benzene	1.2 mg/kg
Toluene	490 mg/kg
Ethylbenzene	5.8 mg/kg
Total Xylenes	58 mg/kg
Naphthalene	2 mg/kg
1,2,4 TMB	30 mg/kg
1,3,5 TMB	27 mg/kg
TPH	500 mg/kg


mg/kg- milligrams per kilogram
mg/L- milligrams per liter
ppm- parts per million
TPH- Total Petroleum Hydrocarbons
CECMC- Colorado Energy & Carbon Management Commission
TMB- Trimethylbenzene
TPH- Total volatile (C6 - C10) and extractable (C10-C36) petroleum hydrocarbons

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Organics Soil Sample Location Figure
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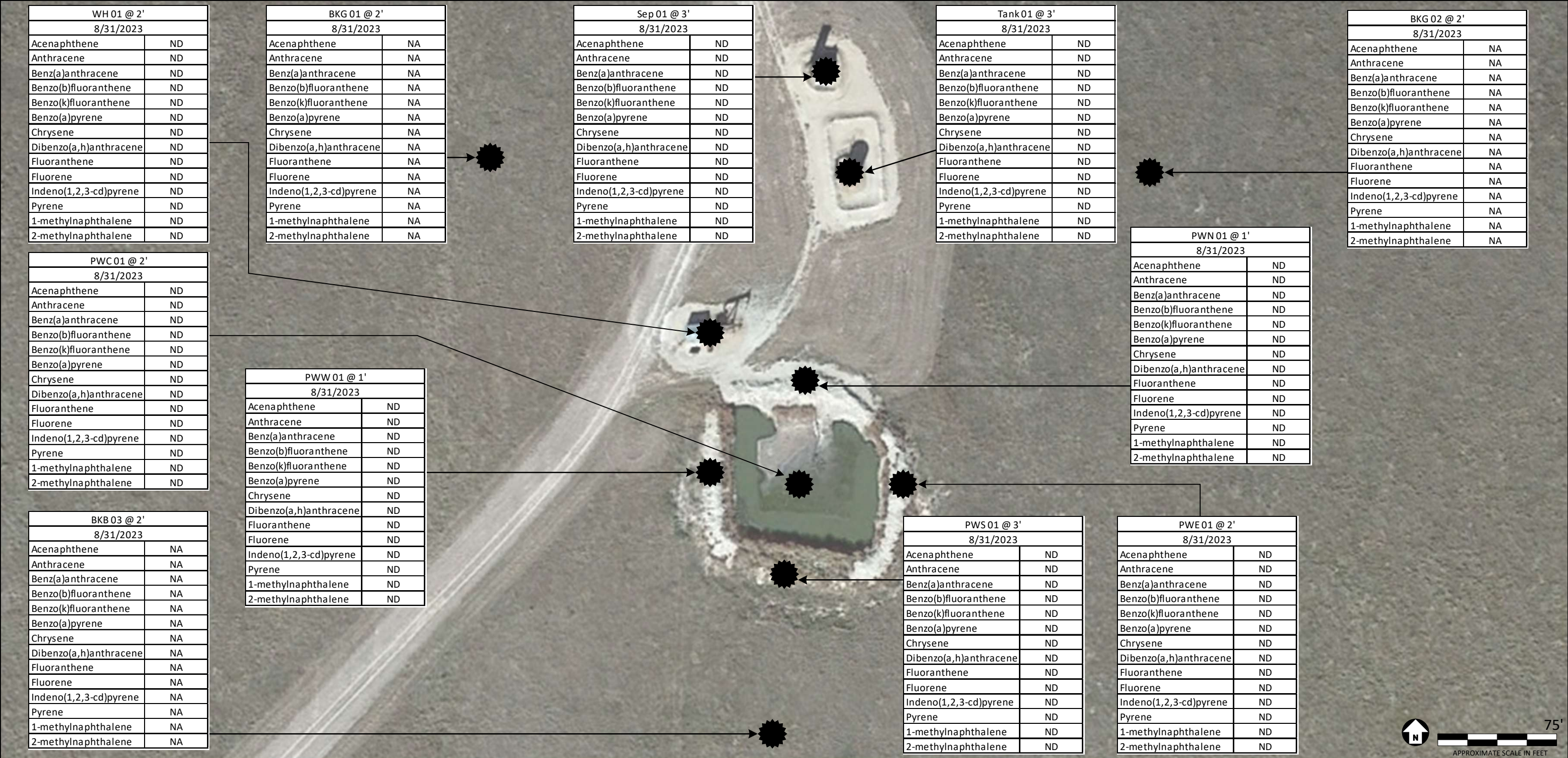
Metals	
Residential Soil Screening Level Concentrations	
Arsenic	0.68 mg/kg
Barium	15000 mg/kg
Cadmium	71 mg/kg
Chromium	0.3 mg/kg
Copper	3100 mg/kg
Lead	400 mg/kg
Nickel	1500 mg/kg
Selenium	390 mg/kg
Silver	390 mg/kg
Zinc	23000 mg/kg

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ppm- parts per million
TPH- Total Petroleum Hydrocarbons
CECMC- Colorado Energy & Carbon
Management Commission


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Metals Soil Sample Location Figure
API 123-12182/ Location ID 327811/ Pit ID
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Imagery source: Google Earth; 2016 Google



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PAHs	
Residential Soil Screening Level Concentrations	
Acenaphthene	360 mg/kg
Anthracene	1800 mg/kg
Benz(a)anthracene	1.1 mg/kg
Benzo(b)fluoranthene	0.11 mg/kg
Benzo(k)fluoranthene	1.1 mg/kg
Benzo(a)pyrene	11 mg/kg
Chrysene	110 mg/kg
Dibenzo(a,h)anthracene	0.11 mg/kg
Fluoranthene	240 mg/kg
Fluorene	240 mg/kg
Indeno(1,2,3-cd)pyrene	1.1 mg/kg
Pyrene	180 mg/kg
1-methylnaphthalene	18 mg/kg
2-methylnaphthalene	24 mg/kg

mg/kg- milligrams per kilogram

mg/L- milligrams per liter

ppm- parts per million

TPH- Total Petroleum Hydrocarbons

CECMC- Colorado Energy & Carbon Management Commission

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PAHs Soil Sample Location Figure
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