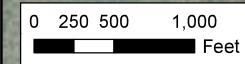
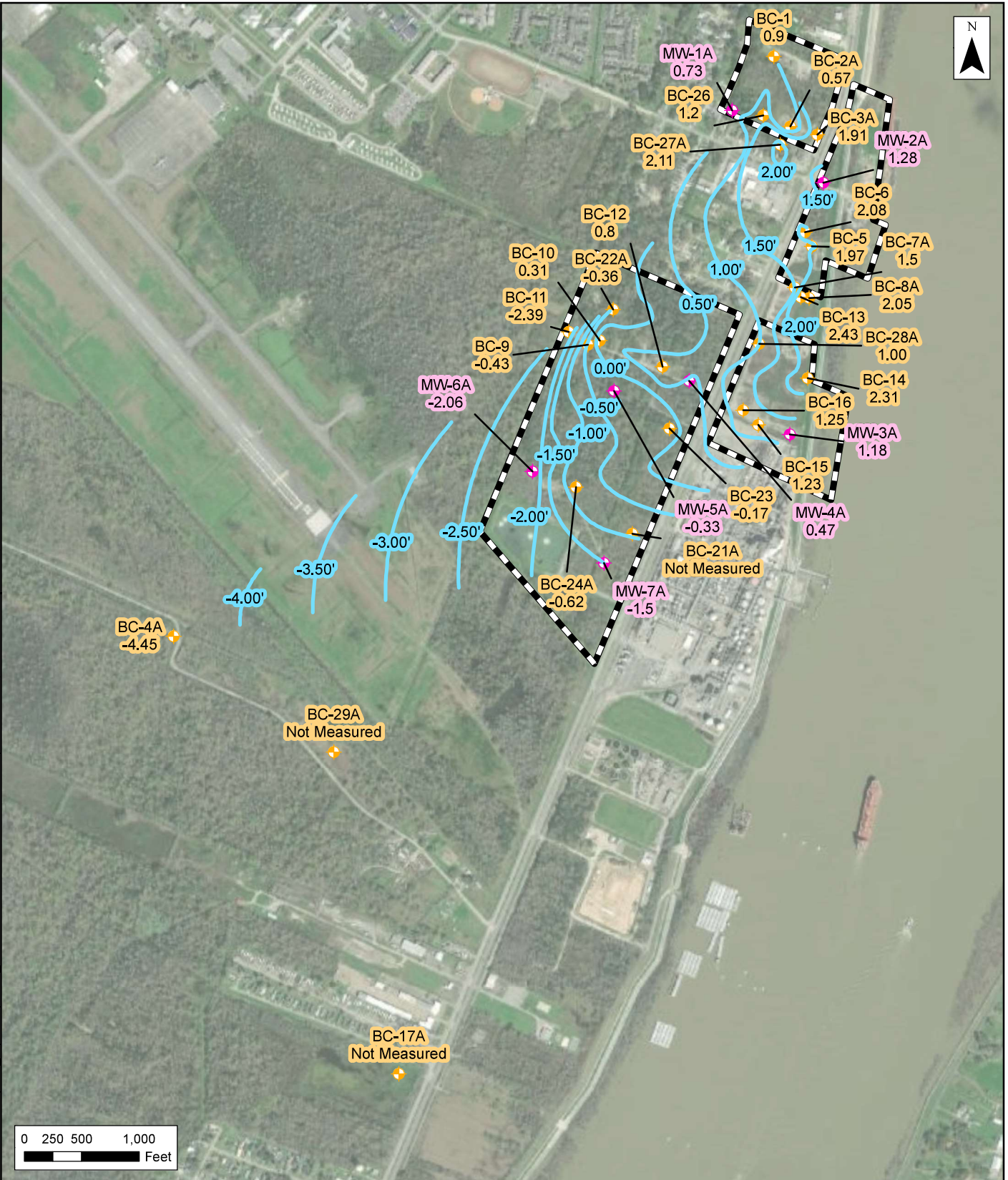


- Property
- ERM A-Zone MW
- ICON A-Zone MW
- Potentiometric Surface Contour

Notes:
 Water level measurements taken 7/29/2020.
 Elevation Information based on survey data.
 Imagery Basemap via ArcGIS Online.

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 56
A Zone Potentiometric Surface Map 07-2020
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil and Gas Field
 Plaquemines Parish, Louisiana

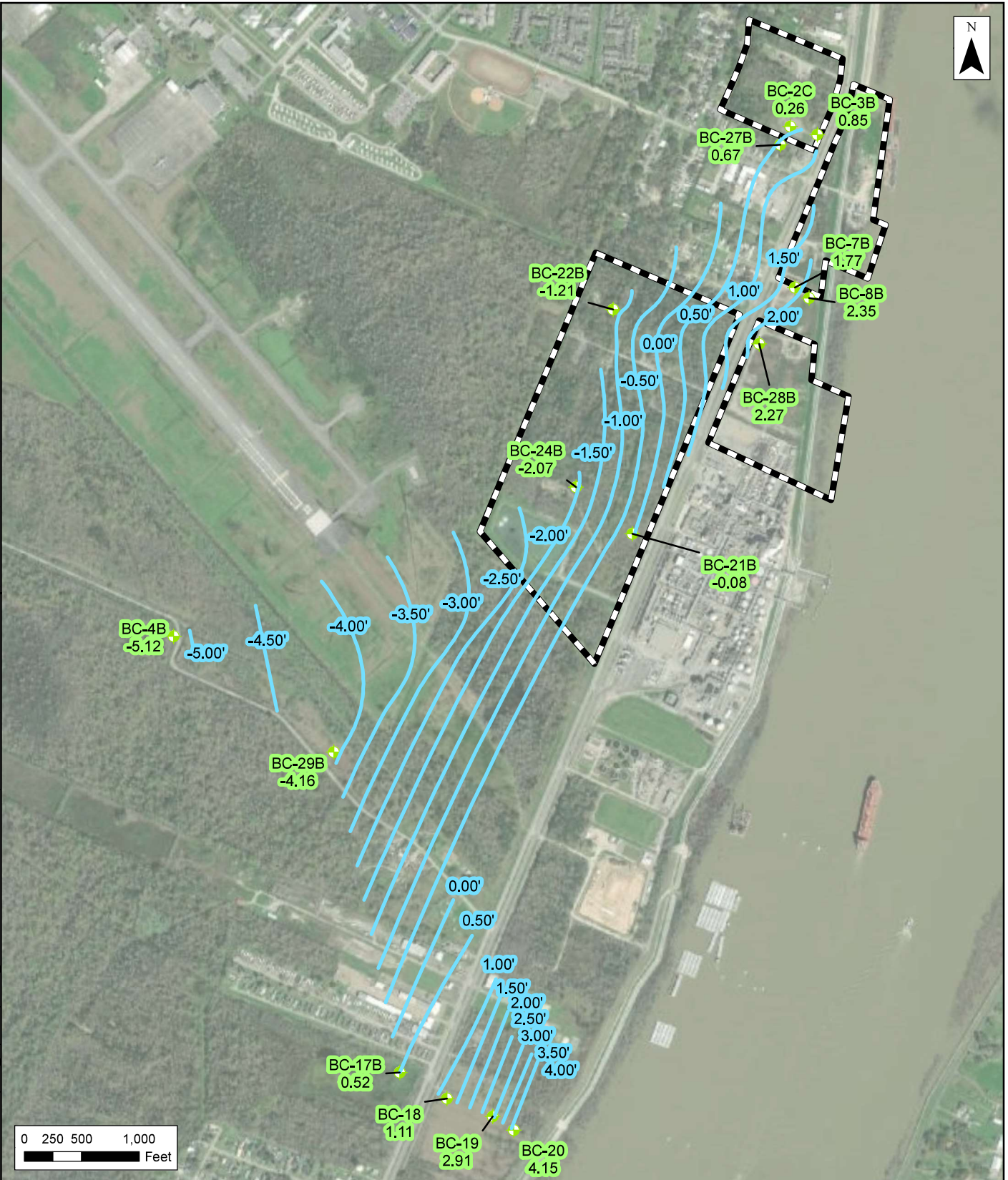


- Property
- ERM A-Zone MW
- ICON A-Zone MW
- Potentiometric Surface Contour

Notes:
 Water level measurements taken 7/29/2020.
 Elevation Information based on survey data.
 Water levels corrected to equivalent fresh water head.
 Imagery Basemap via ArcGIS Online.

Figure 57
A Zone EFWH Potentiometric Surface Map 07-2020
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil and Gas Field
 Plaquemines Parish, Louisiana
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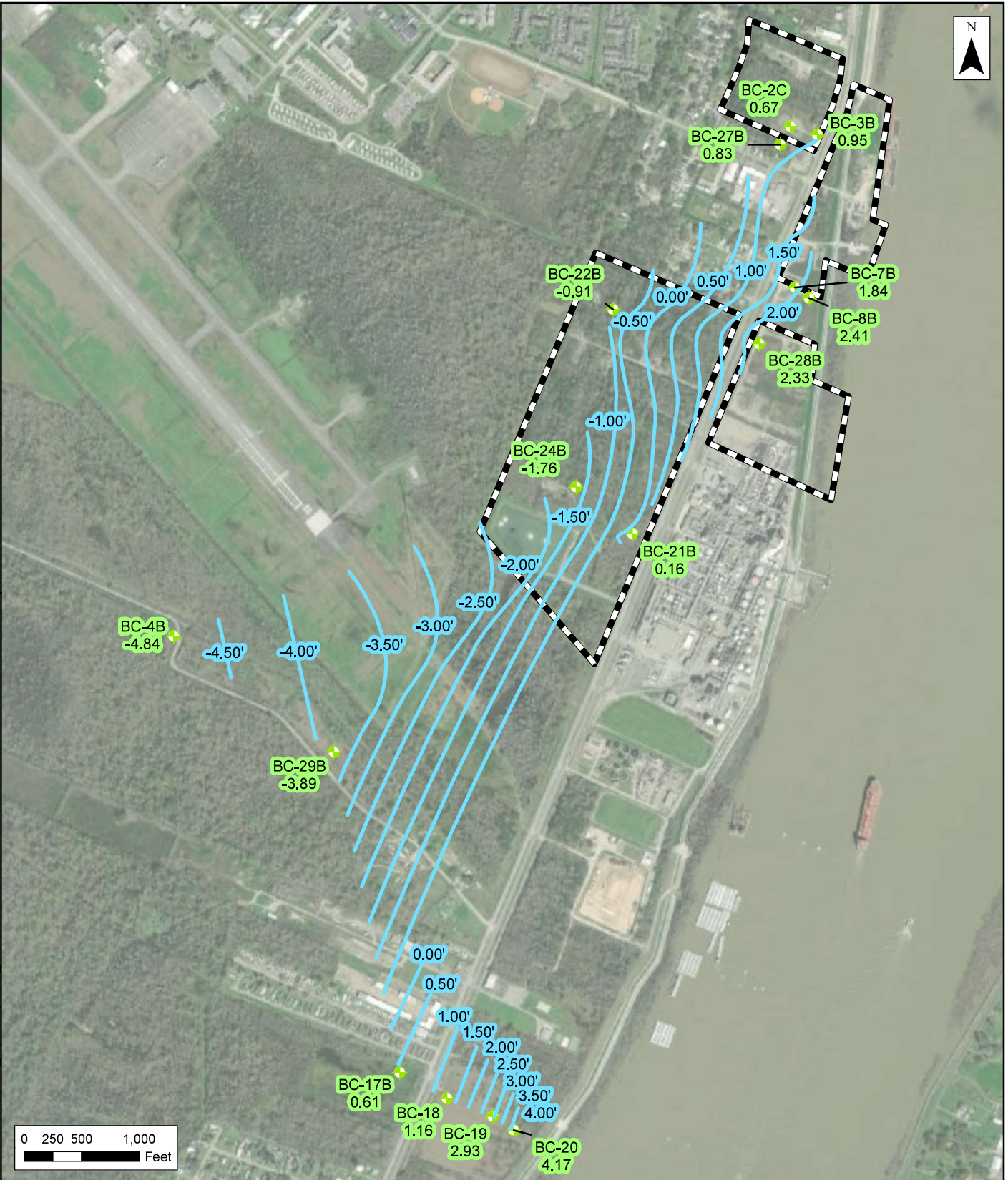
- Property
- ICON B-Zone MW
- Potentiometric Surface Contour

Notes:
 Water level measurements taken 5/7/2019.
 Elevation information based on survey data.
 BC-3B measurement obtained from ICON.
 Imagery Basemap via ArcGIS Online.

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 58
B Zone Potentiometric Surface Map 05-2019
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil and Gas Field
 Plaquemines Parish, Louisiana

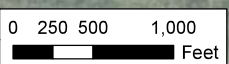
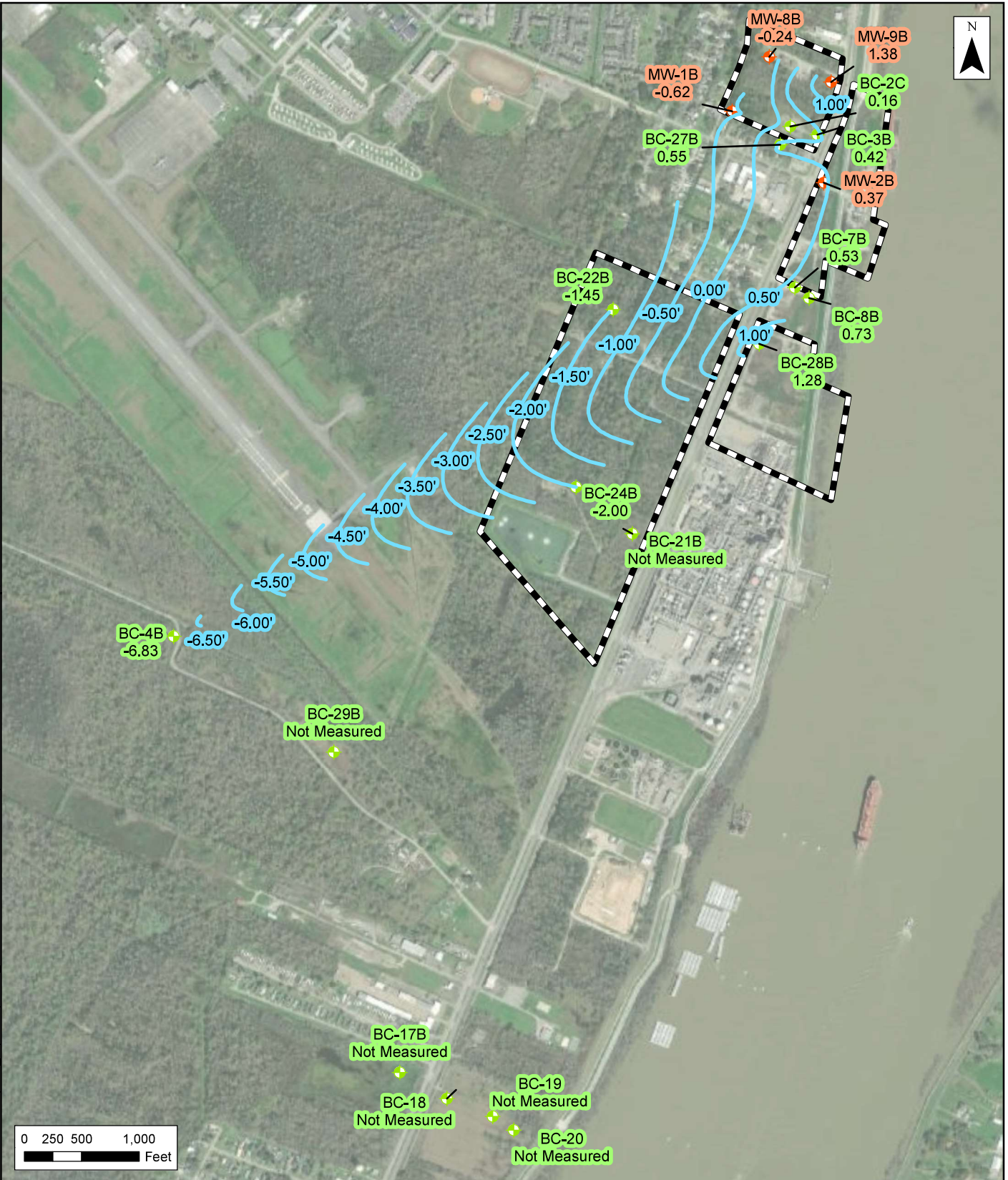




- Property
- ICON B-Zone MW
- Potentiometric Surface Contour

Notes:
 Water level measurements taken 5/7/2019.
 Elevation information based on survey data.
 Water levels corrected to equivalent fresh water head.
 BC-3B measurement obtained from ICON.
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

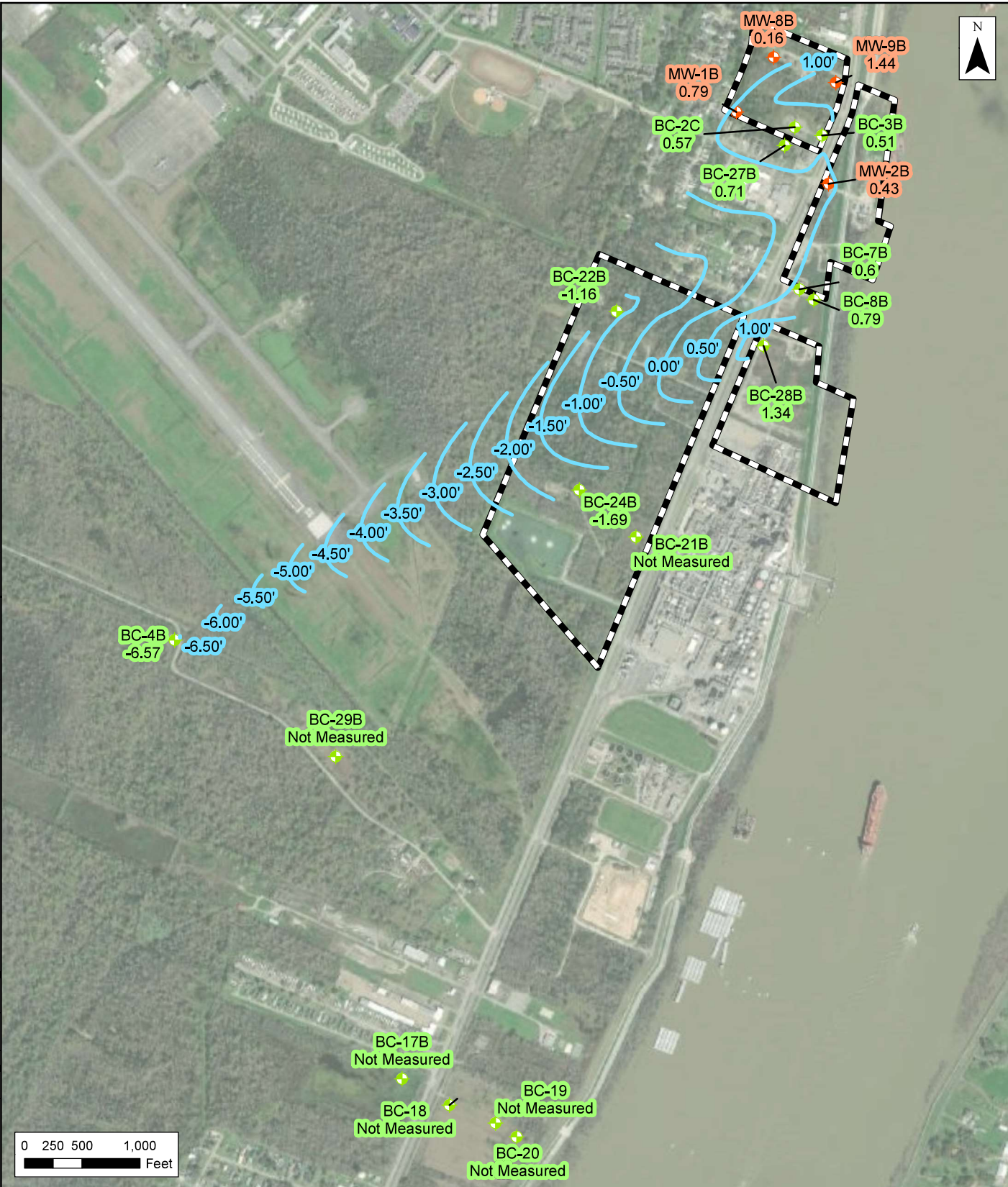
Figure 59
B Zone EFWH Potentiometric Surface Map 05-2019
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil and Gas Field
 Plaquemines Parish, Louisiana



- Property
- ERM B-Zone Well
- ICON B-Zone Well
- Potentiometric Surface Contour

Notes:
 Water level measurements taken 7/29/2020.
 Elevation information based on survey data.
 Imagery Basemap via ArcGIS Online.

Figure 60
B Zone Potentiometric Surface Map 07-2020
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil and Gas Field
 Plaquemines Parish, Louisiana

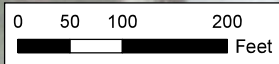
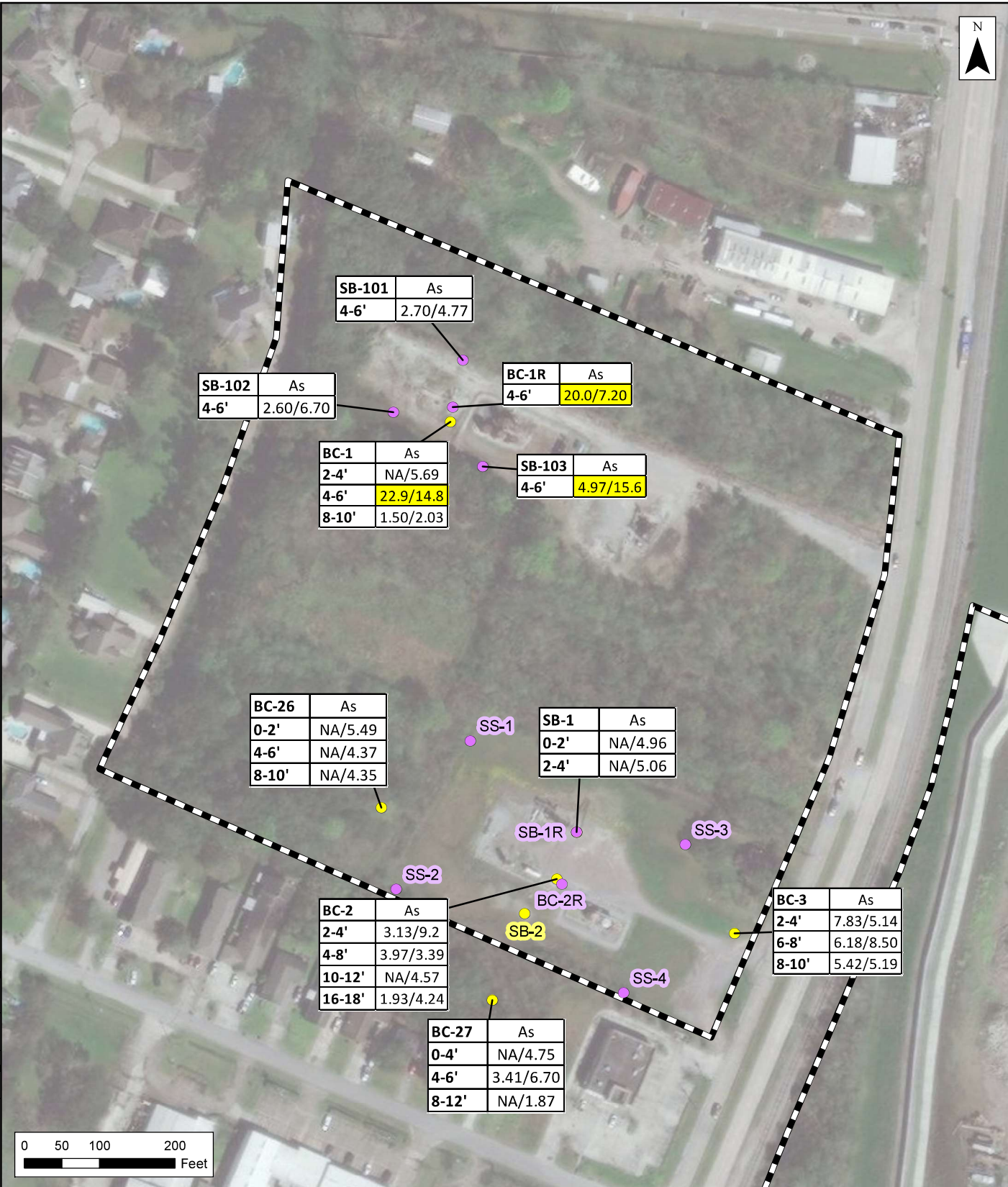


- Property
- ERM B-Zone MW
- ICON B-Zone MW
- B Zone EFWH Pot Surface

Notes:
 Water level measurements taken 7/29/2020.
 Elevation information based on survey data.
 Water levels corrected to equivalent fresh water head.
 Imagery Basemap via ArcGIS Online.

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 61
B-Zone EFWH Potentiometric Surface Map 07-2020
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil and Gas Field
 Plaquemines Parish, Louisiana

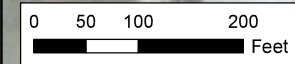
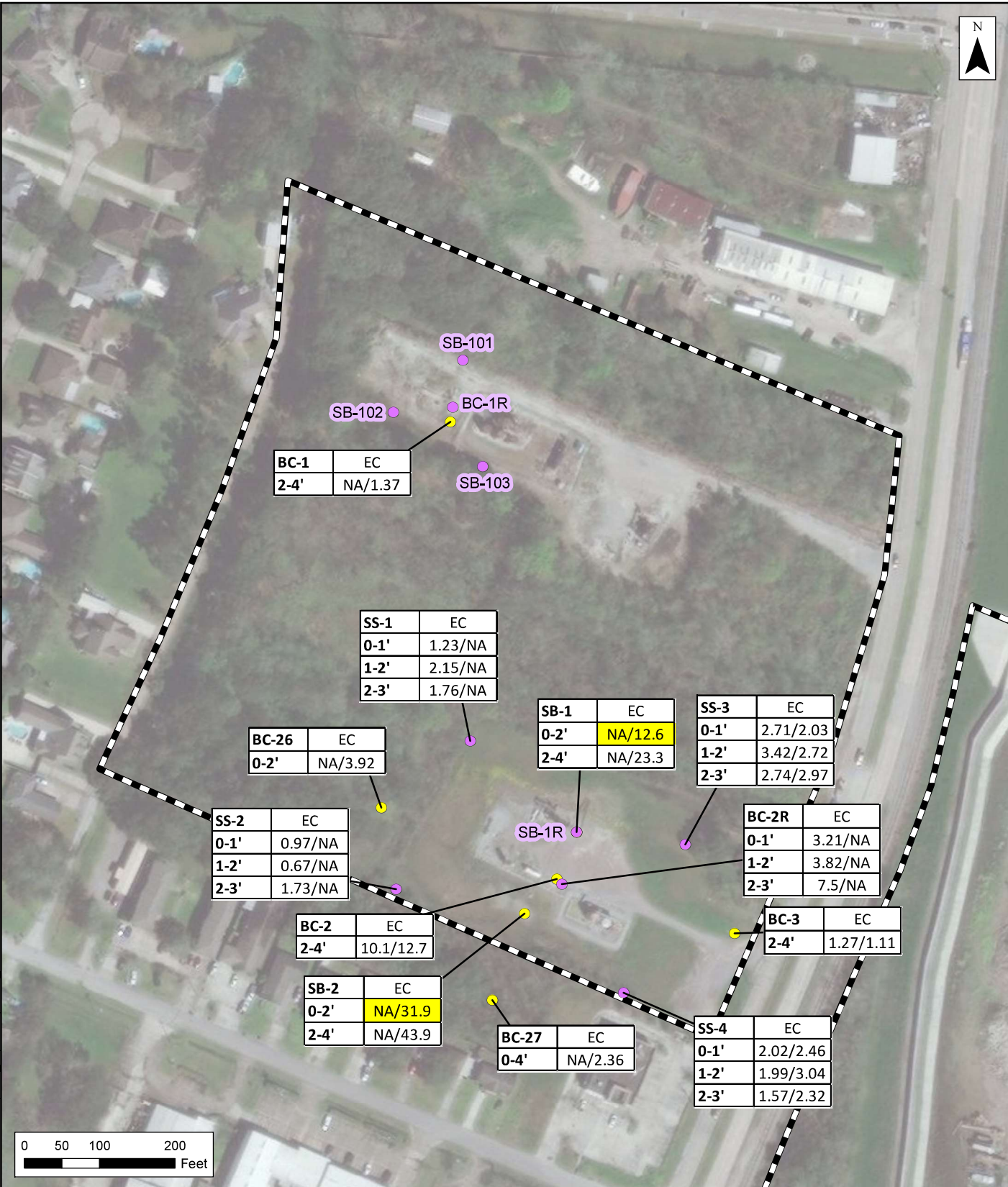


- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 Highlighted values exceed 29-B Pit Standards.
 Results are in wet-weight.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.

Figure 62
Arsenic in Soil - NW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

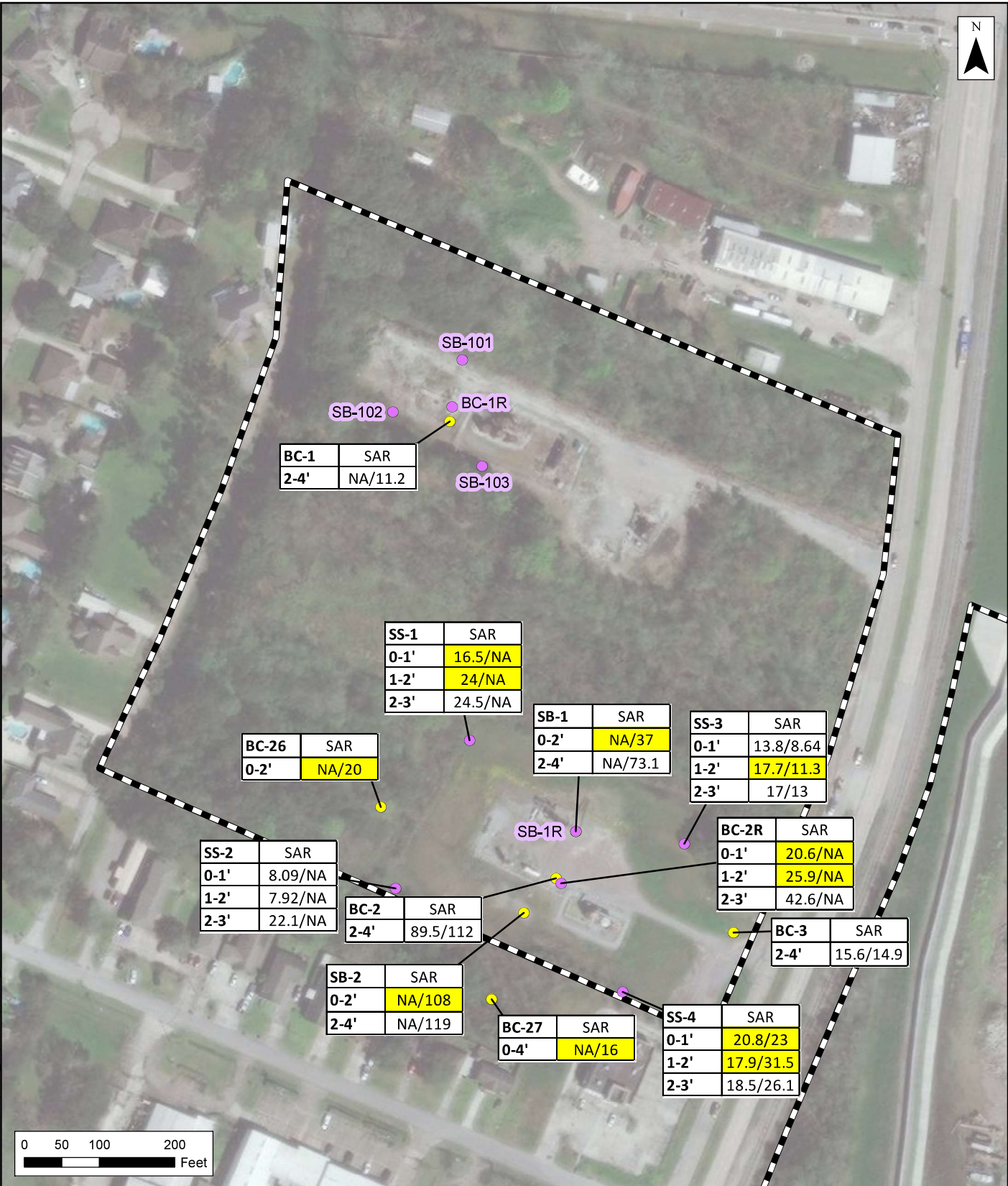


- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 EC Data in the top 3 feet shown.
 Highlighted values exceed 29-B salt limits within the effective root zone.
 Units are mmhos/cm.
 Imagery Basemap via ArcGIS Online.

Figure 63
EC Values in Soil - NW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

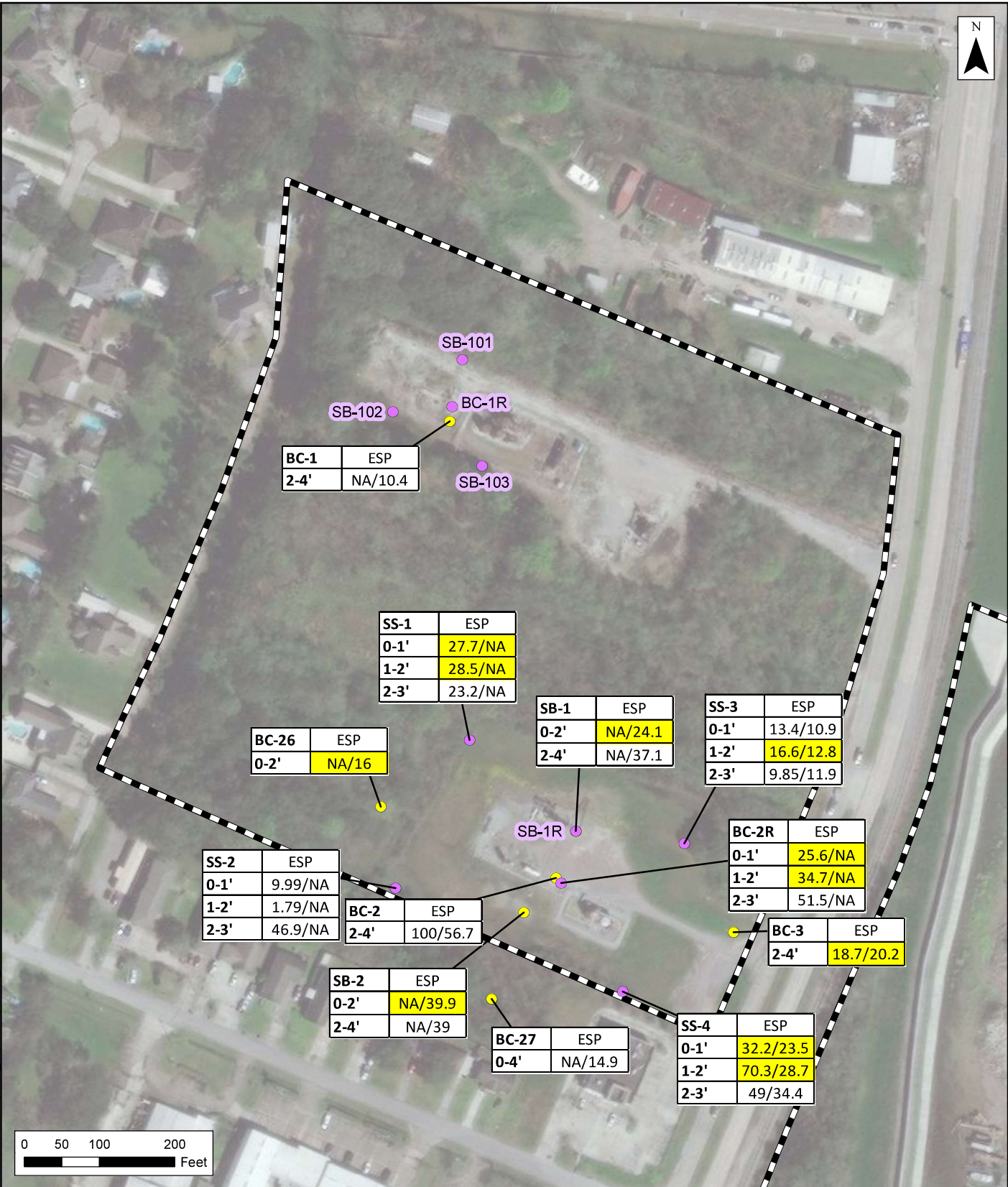


- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 SAR Data in the top 3 feet shown
 Highlighted values exceed 29-B salt limits within the effective root zone.
 SAR is unitless.
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 64
SAR Values in Soil - NW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana



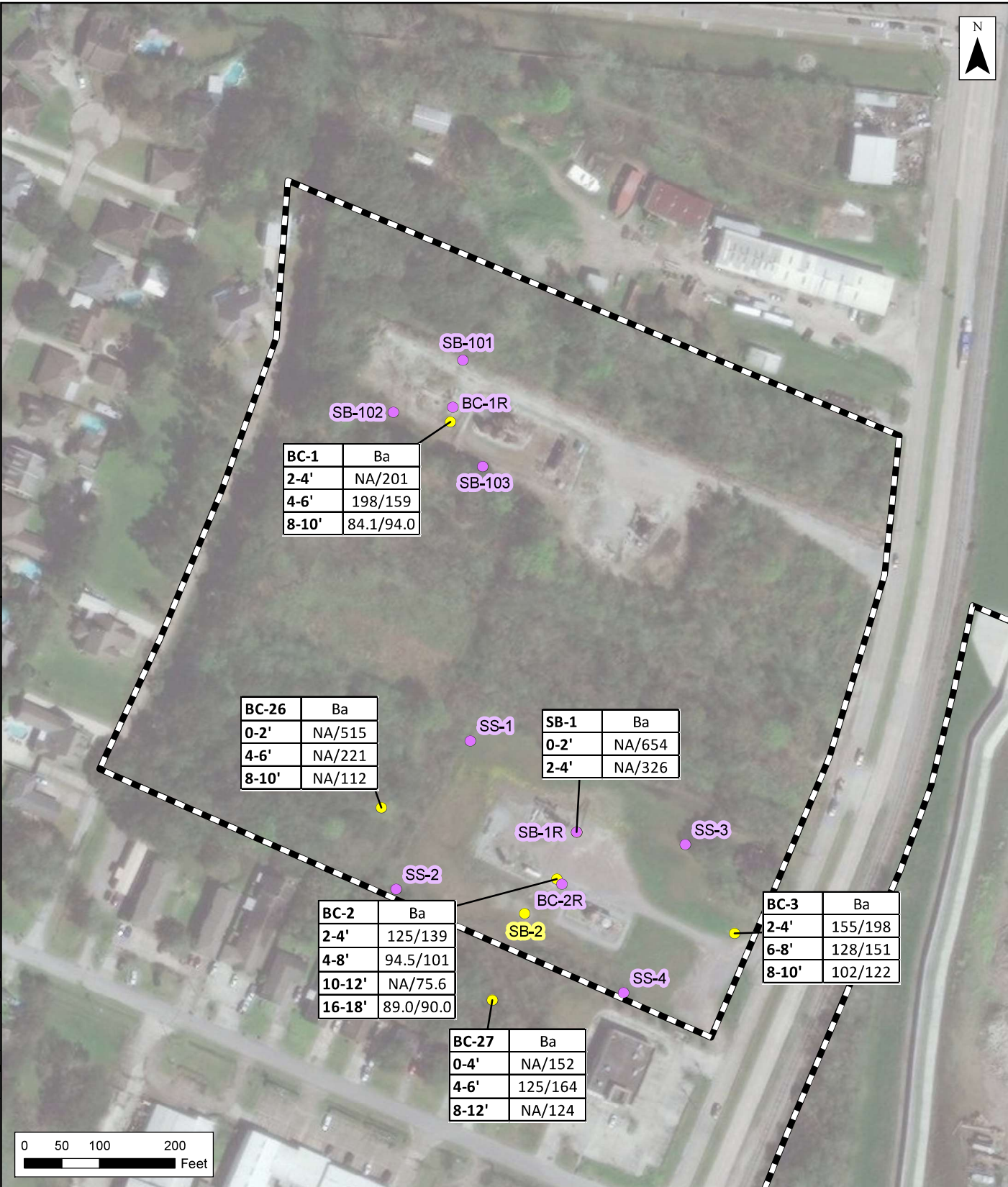
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 ESP Data in the top 3 feet shown.
 Highlighted values exceed 29-B salt limits within the effective root zone.
 Units are percent.
 Imagery Basemap via ArcGIS Online.

Figure 65
ESP Values in Soil - NW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana





BC-1	Ba
2-4'	NA/201
4-6'	198/159
8-10'	84.1/94.0

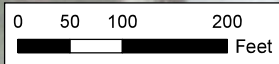
BC-26	Ba
0-2'	NA/515
4-6'	NA/221
8-10'	NA/112

SB-1	Ba
0-2'	NA/654
2-4'	NA/326

BC-2	Ba
2-4'	125/139
4-8'	94.5/101
10-12'	NA/75.6
16-18'	89.0/90.0

BC-27	Ba
0-4'	NA/152
4-6'	125/164
8-12'	NA/124

BC-3	Ba
2-4'	155/198
6-8'	128/151
8-10'	102/122

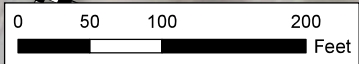
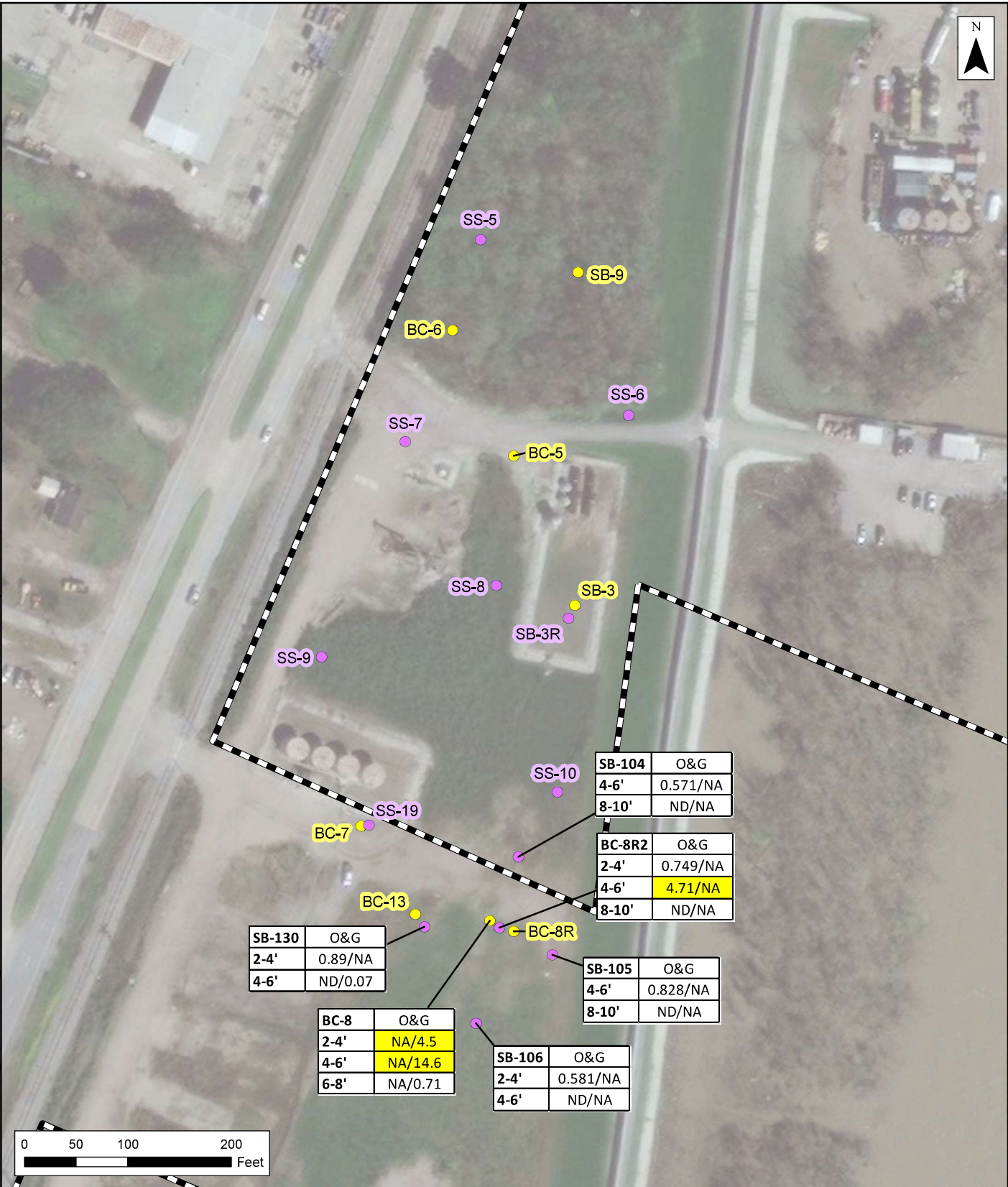


- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Figure 66
Barium in Soil - NW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 Results are in wet-weight.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

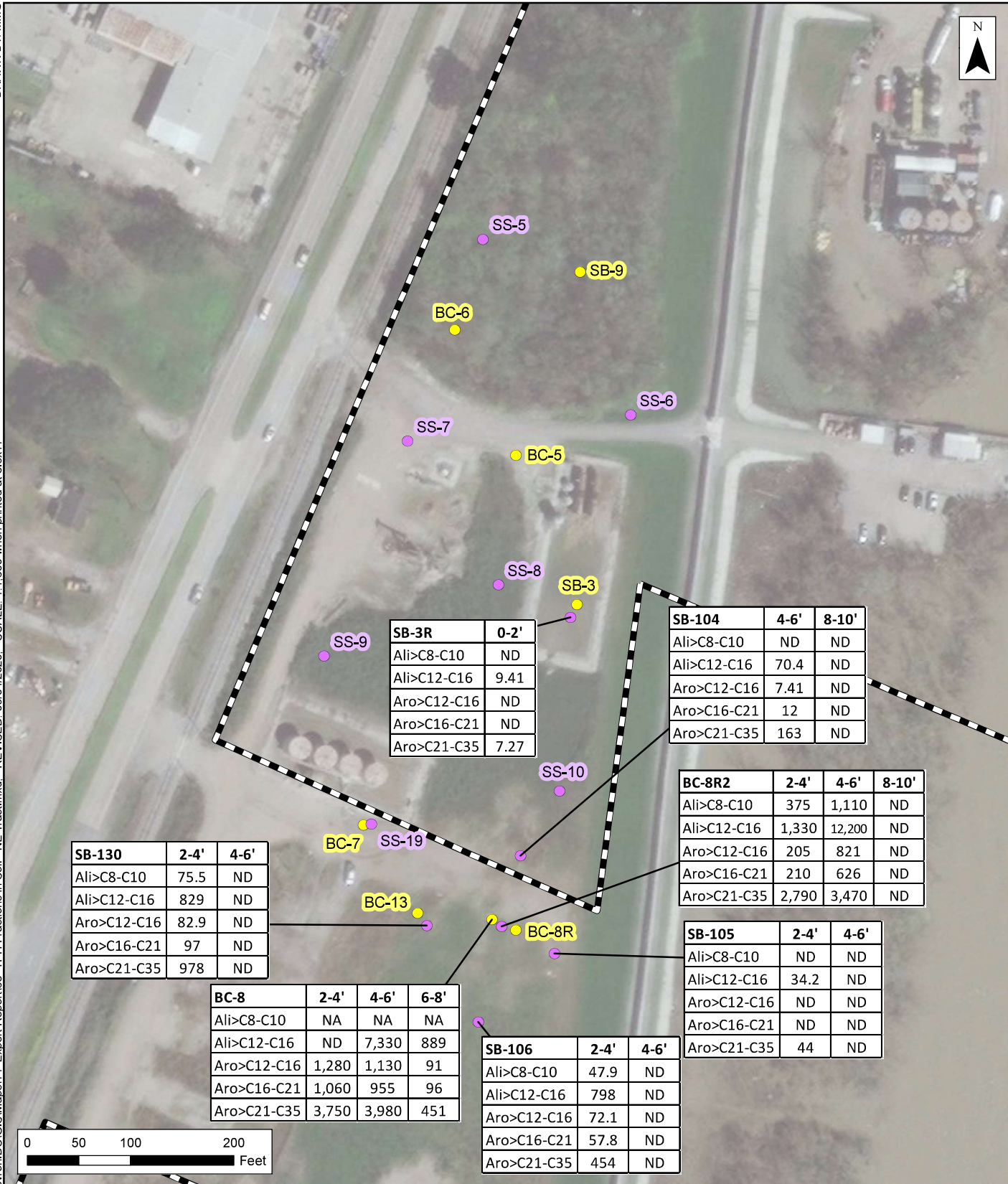


- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Figure 67
Oil & Grease in Soil - NE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 Highlighted values exceed 29-B Pit Standards.
 Units are percent.
 Imagery Basemap via ArcGIS Online.



SB-130	2-4'	4-6'
Ali>C8-C10	75.5	ND
Ali>C12-C16	829	ND
Aro>C12-C16	82.9	ND
Aro>C16-C21	97	ND
Aro>C21-C35	978	ND

BC-8	2-4'	4-6'	6-8'
Ali>C8-C10	NA	NA	NA
Ali>C12-C16	ND	7,330	889
Aro>C12-C16	1,280	1,130	91
Aro>C16-C21	1,060	955	96
Aro>C21-C35	3,750	3,980	451

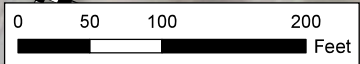
SB-3R	0-2'
Ali>C8-C10	ND
Ali>C12-C16	9.41
Aro>C12-C16	ND
Aro>C16-C21	ND
Aro>C21-C35	7.27

SB-104	4-6'	8-10'
Ali>C8-C10	ND	ND
Ali>C12-C16	70.4	ND
Aro>C12-C16	7.41	ND
Aro>C16-C21	12	ND
Aro>C21-C35	163	ND

BC-8R2	2-4'	4-6'	8-10'
Ali>C8-C10	375	1,110	ND
Ali>C12-C16	1,330	12,200	ND
Aro>C12-C16	205	821	ND
Aro>C16-C21	210	626	ND
Aro>C21-C35	2,790	3,470	ND

SB-105	2-4'	4-6'
Ali>C8-C10	ND	ND
Ali>C12-C16	34.2	ND
Aro>C12-C16	ND	ND
Aro>C16-C21	ND	ND
Aro>C21-C35	44	ND

SB-106	2-4'	4-6'
Ali>C8-C10	47.9	ND
Ali>C12-C16	798	ND
Aro>C12-C16	72.1	ND
Aro>C16-C21	57.8	ND
Aro>C21-C35	454	ND

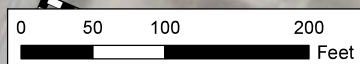
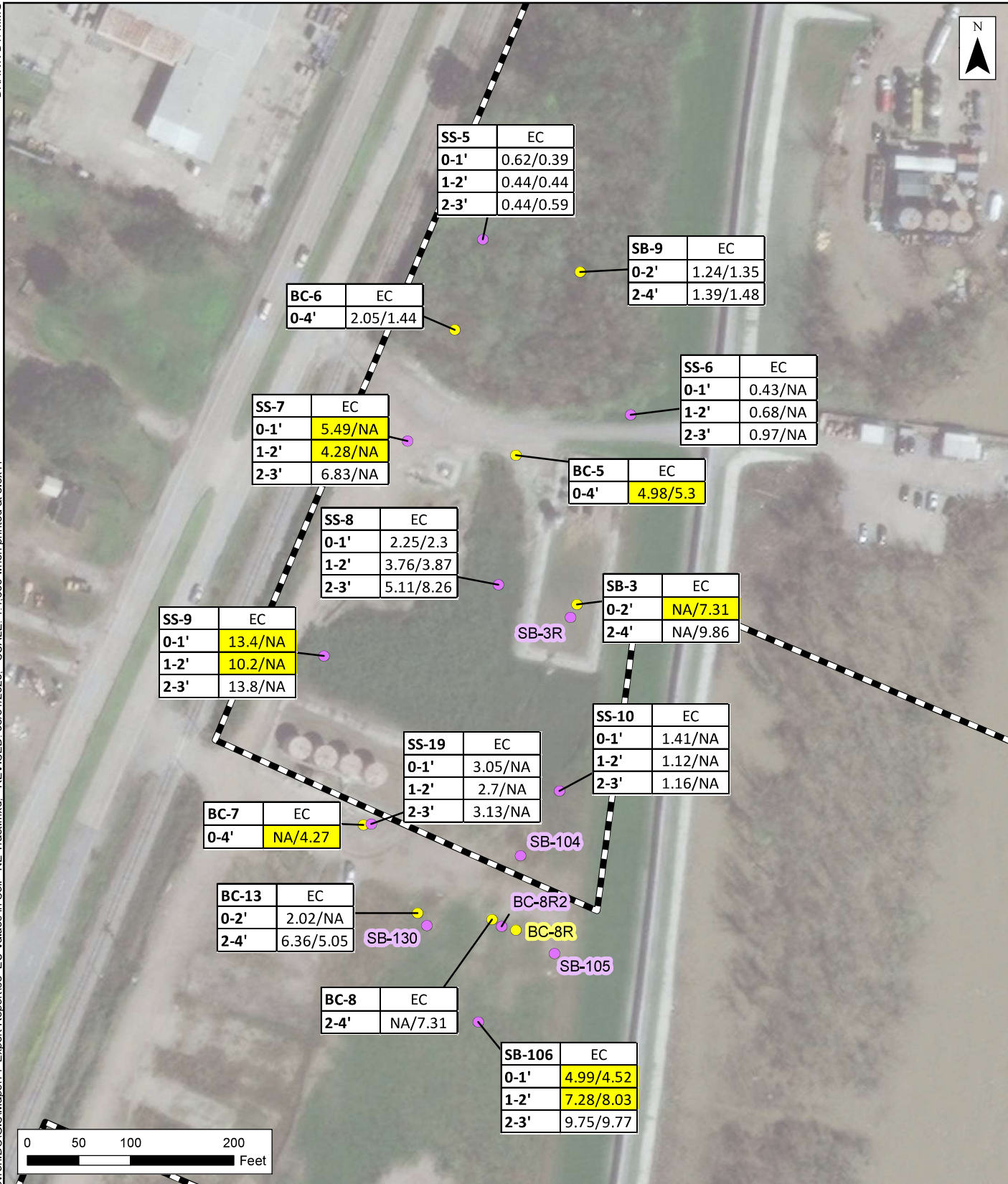


- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Interval
Constituent	ERM Result

Figure 68
TPH Fractions in Soil - NE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N



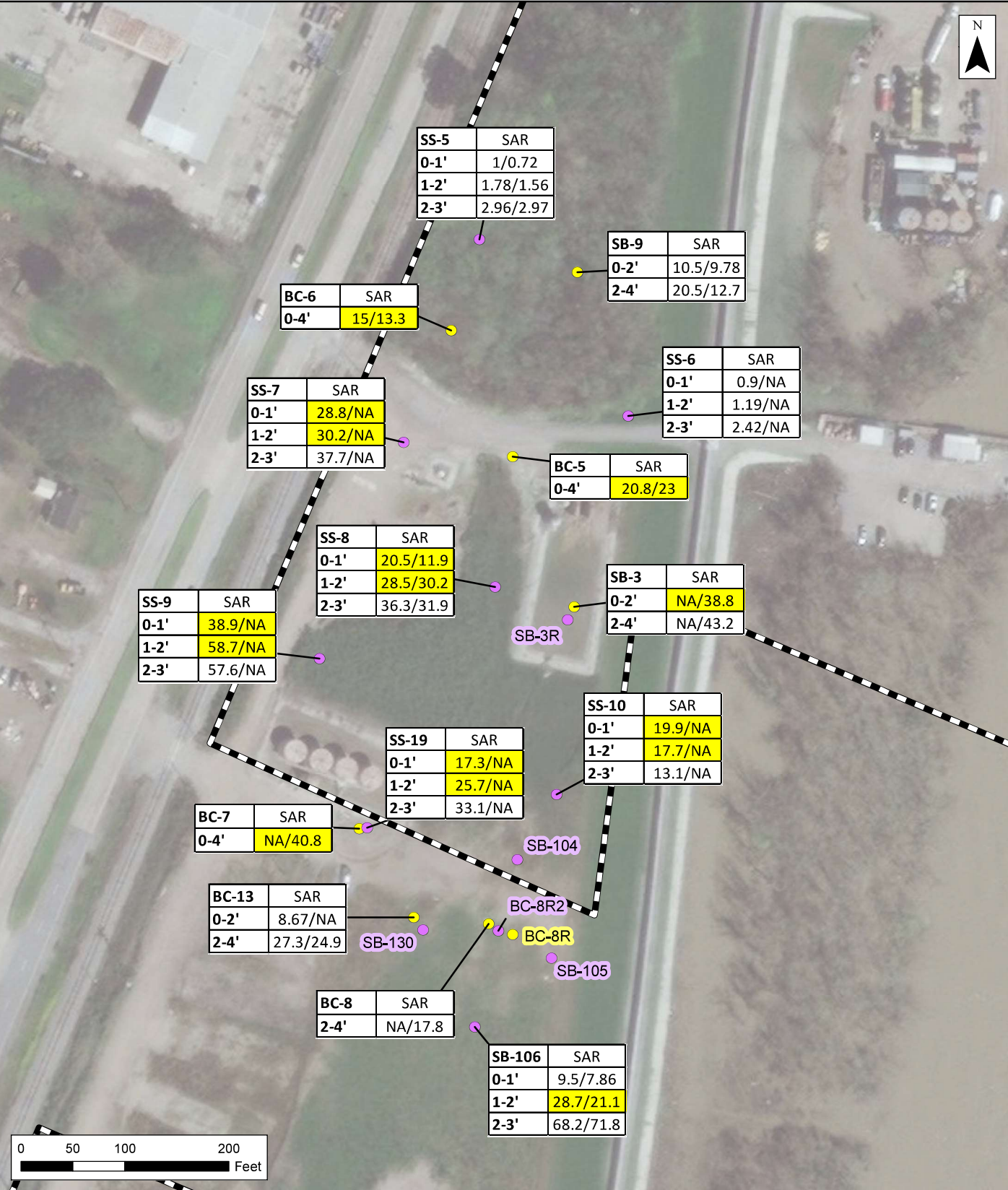
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Figure 69

EC Values in Soil - NE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 EC Data in the top 3 feet shown.
 Highlighted values exceed 29-B salt limits within the effective root zone.
 Units are mmhos/cm.
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

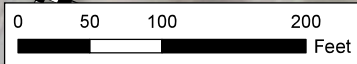
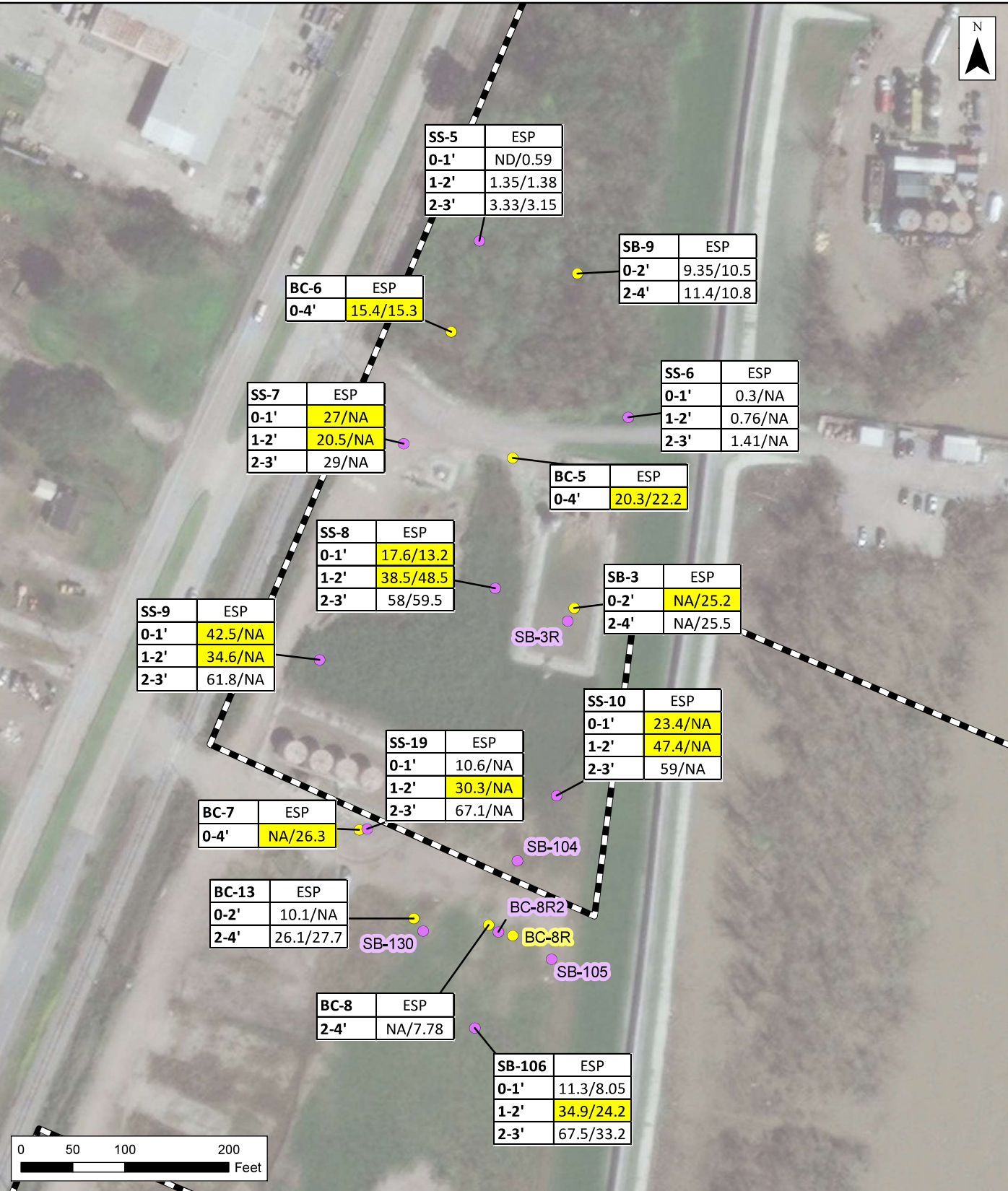


- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 SAR Data in the top 3 feet shown
 Highlighted values exceed 29-B salt limits within the effective root zone.
 SAR is unitless.
 Imagery Basemap via ArcGIS Online.

Figure 70
SAR Values in Soil - NE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

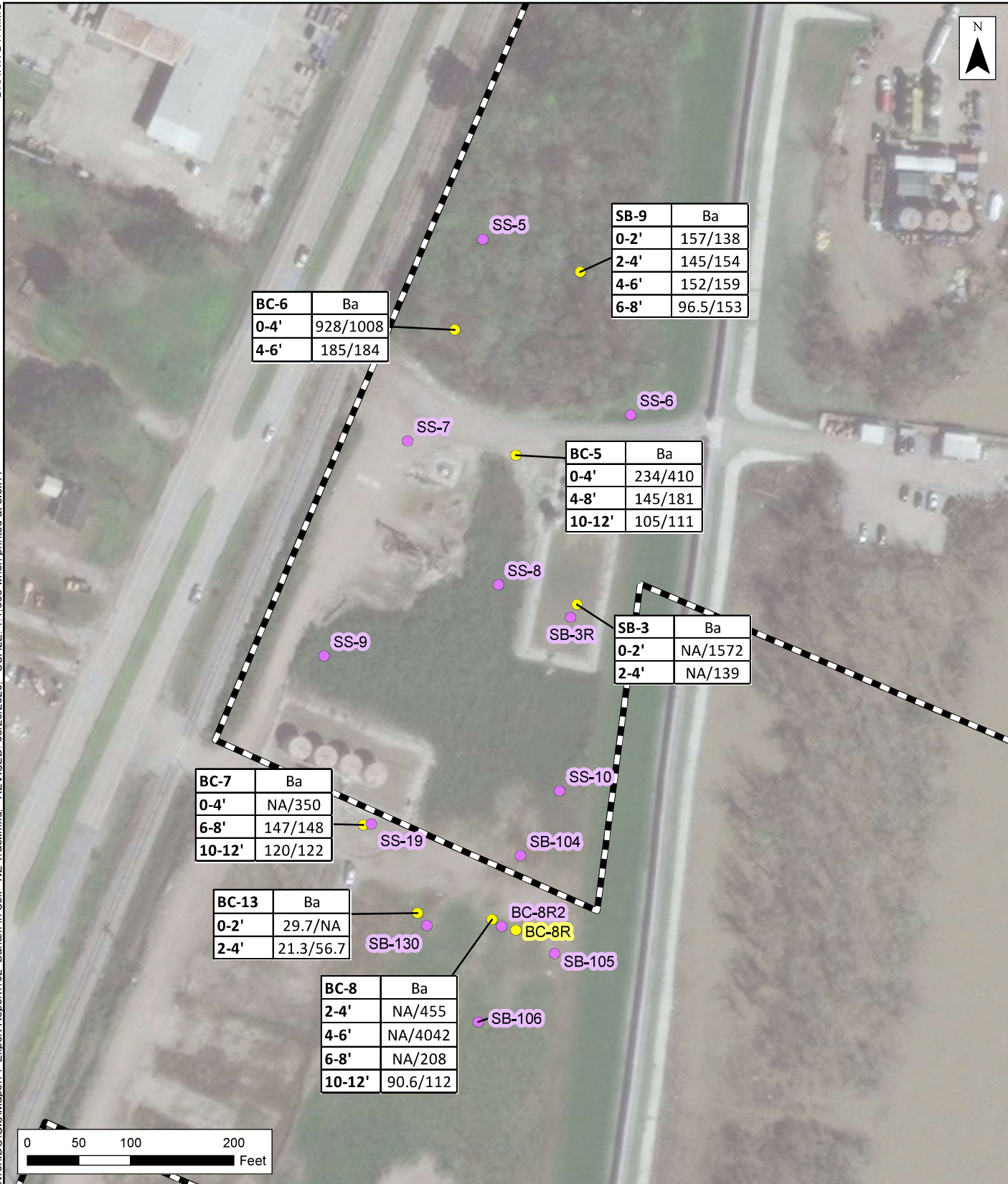


- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 ESP Data in the top 3 feet shown.
 Highlighted values exceed 29-B salt limits within the effective root zone.
 Units are percent.
 Imagery Basemap via ArcGIS Online.

Figure 71
ESP Values in Soil - NE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana



BC-6	Ba
0-4'	928/1008
4-6'	185/184

SB-9	Ba
0-2'	157/138
2-4'	145/154
4-6'	152/159
6-8'	96.5/153

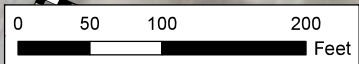
BC-5	Ba
0-4'	234/410
4-8'	145/181
10-12'	105/111

SB-3	Ba
0-2'	NA/1572
2-4'	NA/139

BC-7	Ba
0-4'	NA/350
6-8'	147/148
10-12'	120/122

BC-13	Ba
0-2'	29.7/NA
2-4'	21.3/56.7

BC-8	Ba
2-4'	NA/455
4-6'	NA/4042
6-8'	NA/208
10-12'	90.6/112

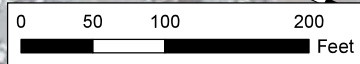
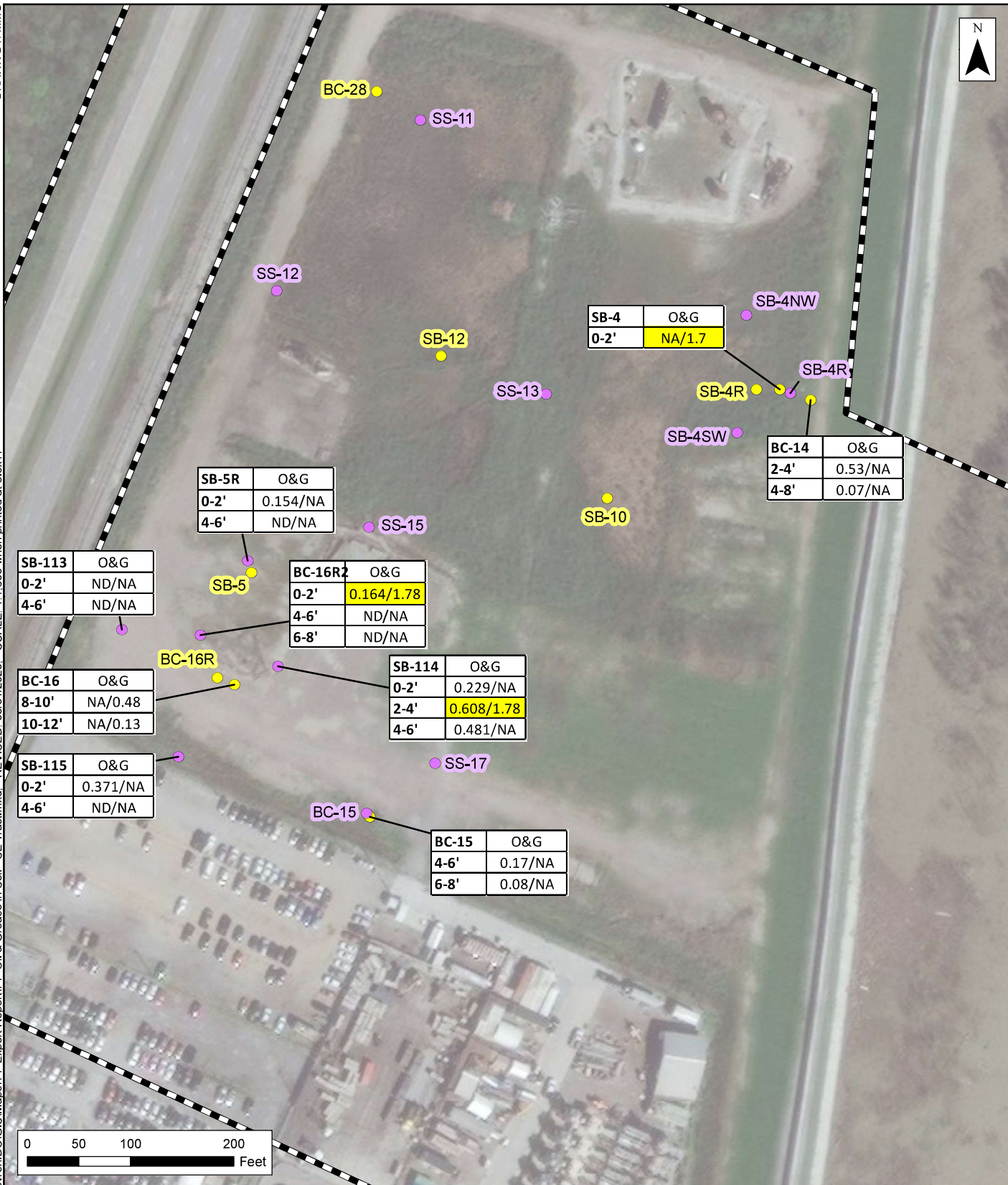


- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Figure 72
Barium in Soil - NE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 Results are in wet-weight.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.



- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

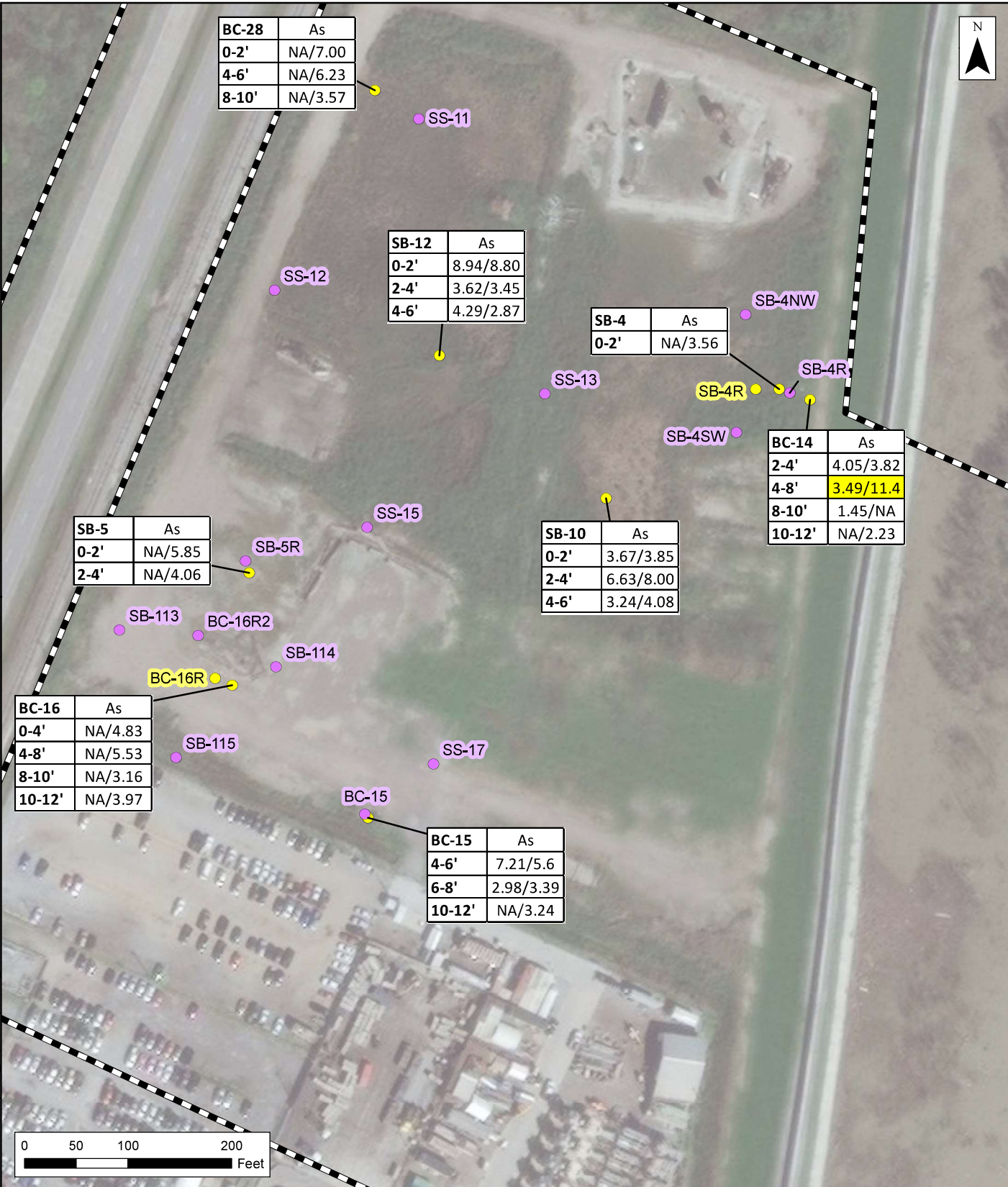
Sample ID	Constituent
Interval	ERM Result/ICON Result

Figure 73
Oil & Grease in Soil - SE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 Highlighted values exceed 29-B Pit Standards.
 Units are percent.
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

DRAWN BY: MMG

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BC-28	As
0-2'	NA/7.00
4-6'	NA/6.23
8-10'	NA/3.57

SB-12	As
0-2'	8.94/8.80
2-4'	3.62/3.45
4-6'	4.29/2.87

SB-4	As
0-2'	NA/3.56

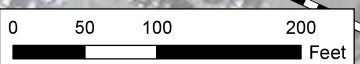
BC-14	As
2-4'	4.05/3.82
4-8'	3.49/11.4
8-10'	1.45/NA
10-12'	NA/2.23

SB-5	As
0-2'	NA/5.85
2-4'	NA/4.06

SB-10	As
0-2'	3.67/3.85
2-4'	6.63/8.00
4-6'	3.24/4.08

BC-16	As
0-4'	NA/4.83
4-8'	NA/5.53
8-10'	NA/3.16
10-12'	NA/3.97

BC-15	As
4-6'	7.21/5.6
6-8'	2.98/3.39
10-12'	NA/3.24



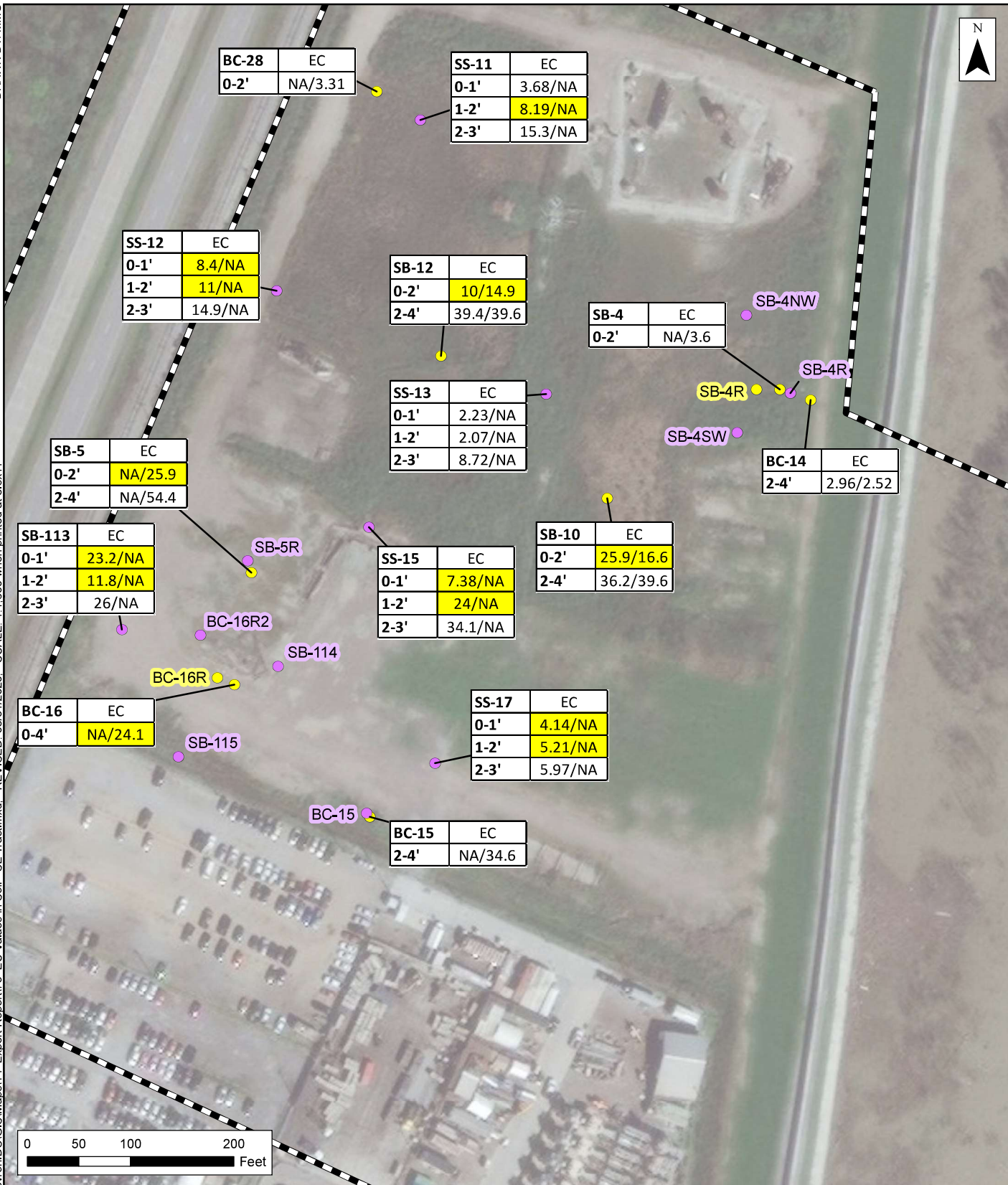
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 Highlighted values exceed 29-B Pit Standards.
 Results are in wet-weight.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 74
Arsenic in Soil - SE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana
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- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

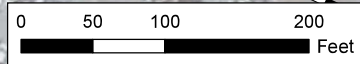
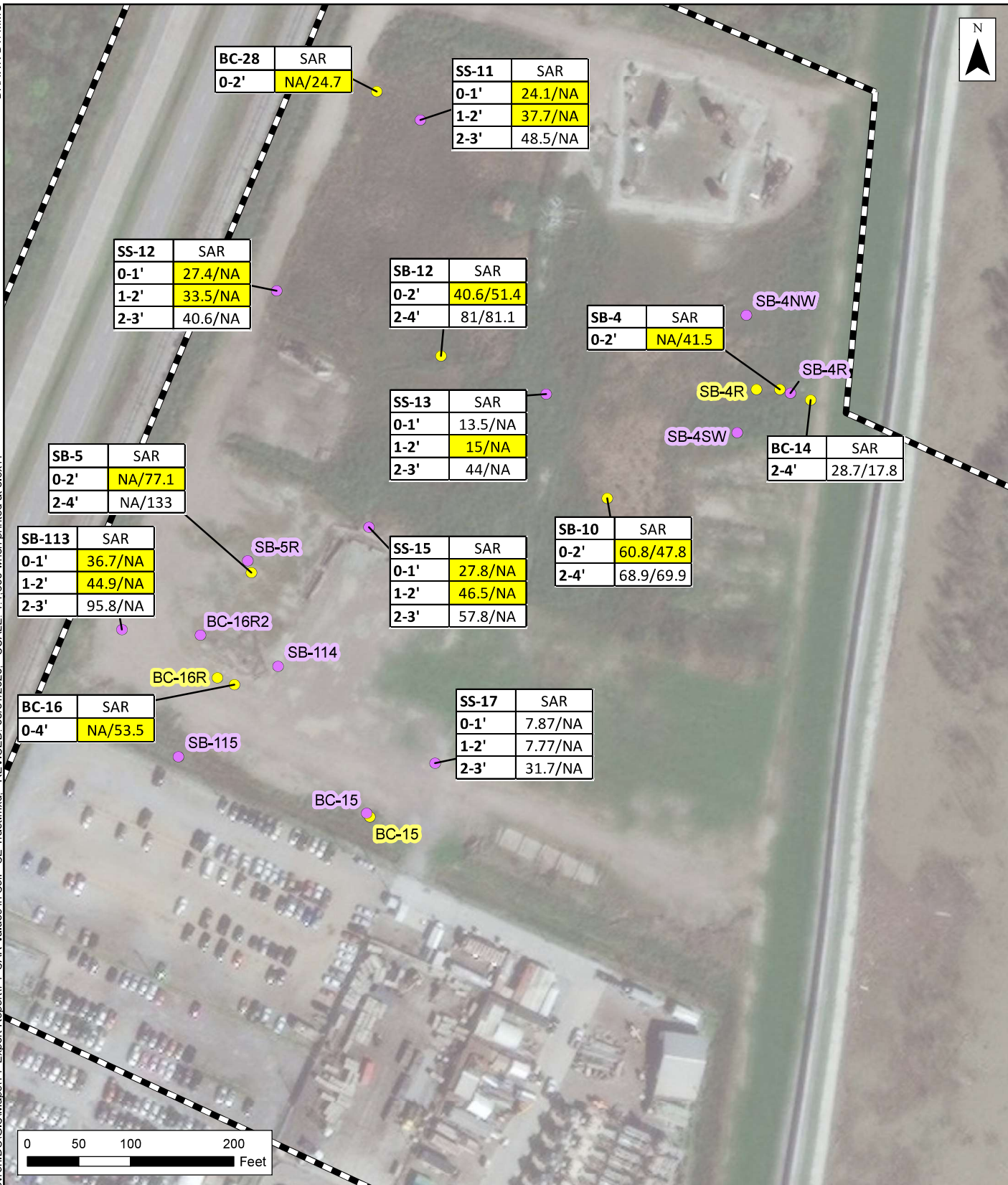
Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 EC Data in the top 3 feet shown.
 Highlighted values exceed 29-B salt limits within the effective root zone.
 Units are mmhos/cm.
 Imagery Basemap via ArcGIS Online.

Figure 75
EC Values in Soil - SE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

DRAWN BY: MMG

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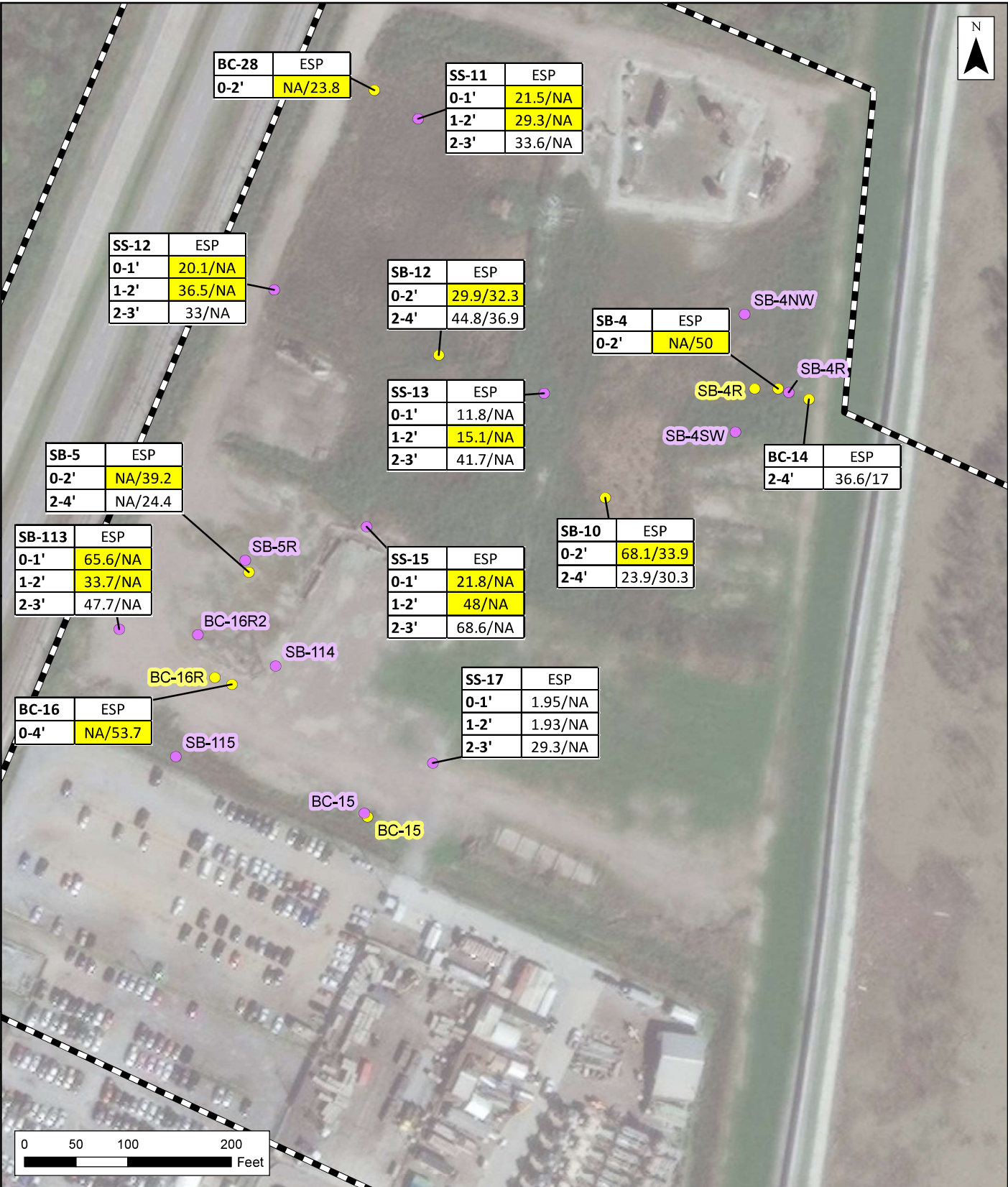
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 SAR Data in the top 3 feet shown
 Highlighted values exceed 29-B salt limits within the effective root zone.
 SAR is unitless.
 Imagery Basemap via ArcGIS Online.

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 76
SAR Values in Soil - SE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana



BC-28	ESP
0-2'	NA/23.8

SS-11	ESP
0-1'	21.5/NA
1-2'	29.3/NA
2-3'	33.6/NA

SS-12	ESP
0-1'	20.1/NA
1-2'	36.5/NA
2-3'	33/NA

SB-12	ESP
0-2'	29.9/32.3
2-4'	44.8/36.9

SB-4	ESP
0-2'	NA/50

SB-5	ESP
0-2'	NA/39.2
2-4'	NA/24.4

SS-13	ESP
0-1'	11.8/NA
1-2'	15.1/NA
2-3'	41.7/NA

BC-14	ESP
2-4'	36.6/17

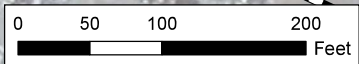
SB-113	ESP
0-1'	65.6/NA
1-2'	33.7/NA
2-3'	47.7/NA

SB-10	ESP
0-2'	68.1/33.9
2-4'	23.9/30.3

SS-15	ESP
0-1'	21.8/NA
1-2'	48/NA
2-3'	68.6/NA

BC-16	ESP
0-4'	NA/53.7

SS-17	ESP
0-1'	1.95/NA
1-2'	1.93/NA
2-3'	29.3/NA



- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

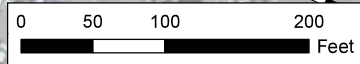
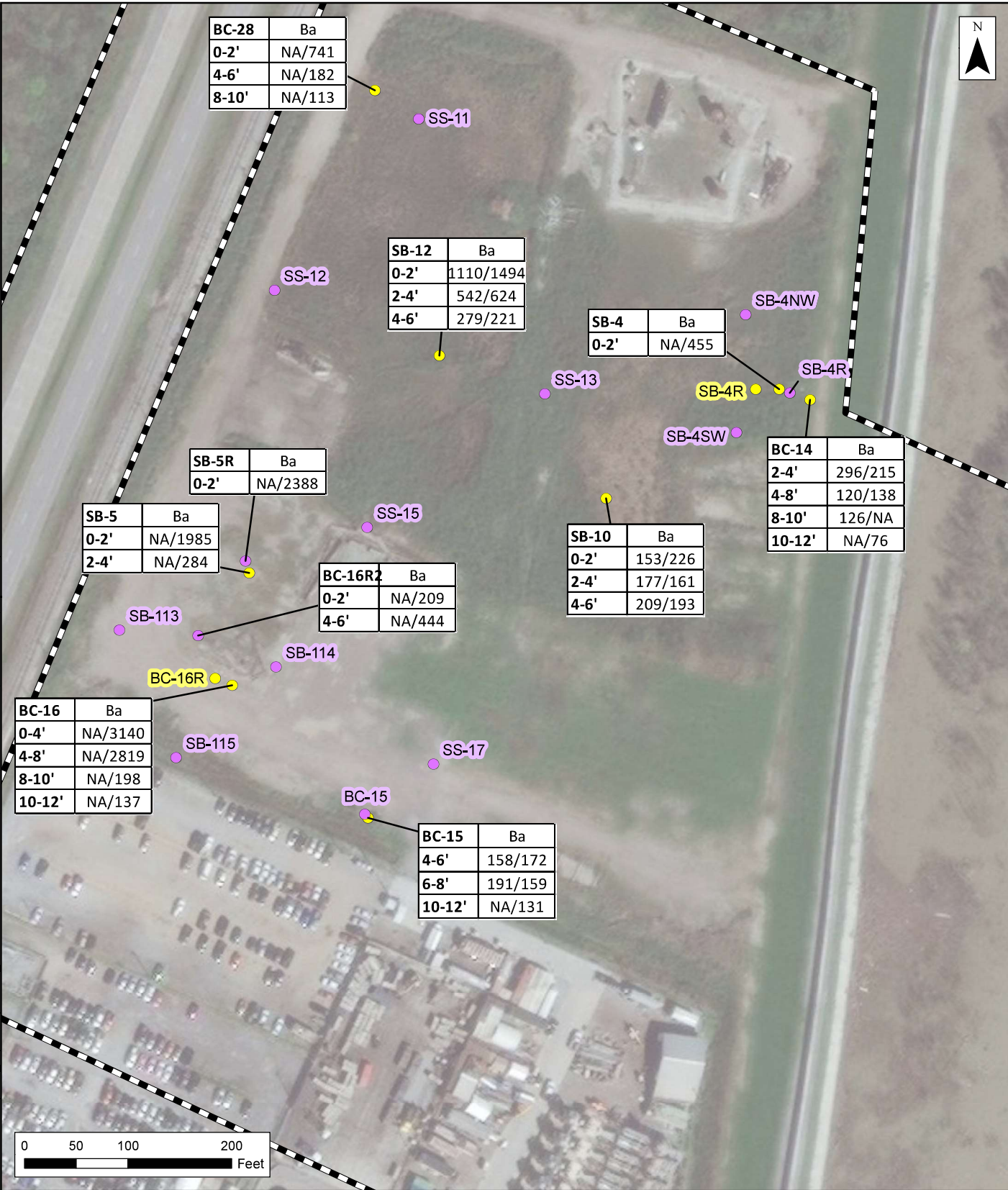
Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 ESP Data in the top 3 feet shown.
 Highlighted values exceed 29-B salt limits within the effective root zone.
 Units are percent.
 Imagery Basemap via ArcGIS Online.

Figure 77
ESP Values in Soil - SE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

DRAWN BY: MMG

P:\Projects\0494255 Hero Lands v. Chevron.DU\GIS\Maps\14 Expert Report\103 Barium in Soil - SE Tract.mxd REVISED: 08/25/2020 SCALE: 1:1,600 when printed at 8.5x11



- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

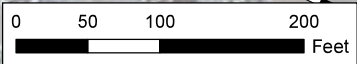
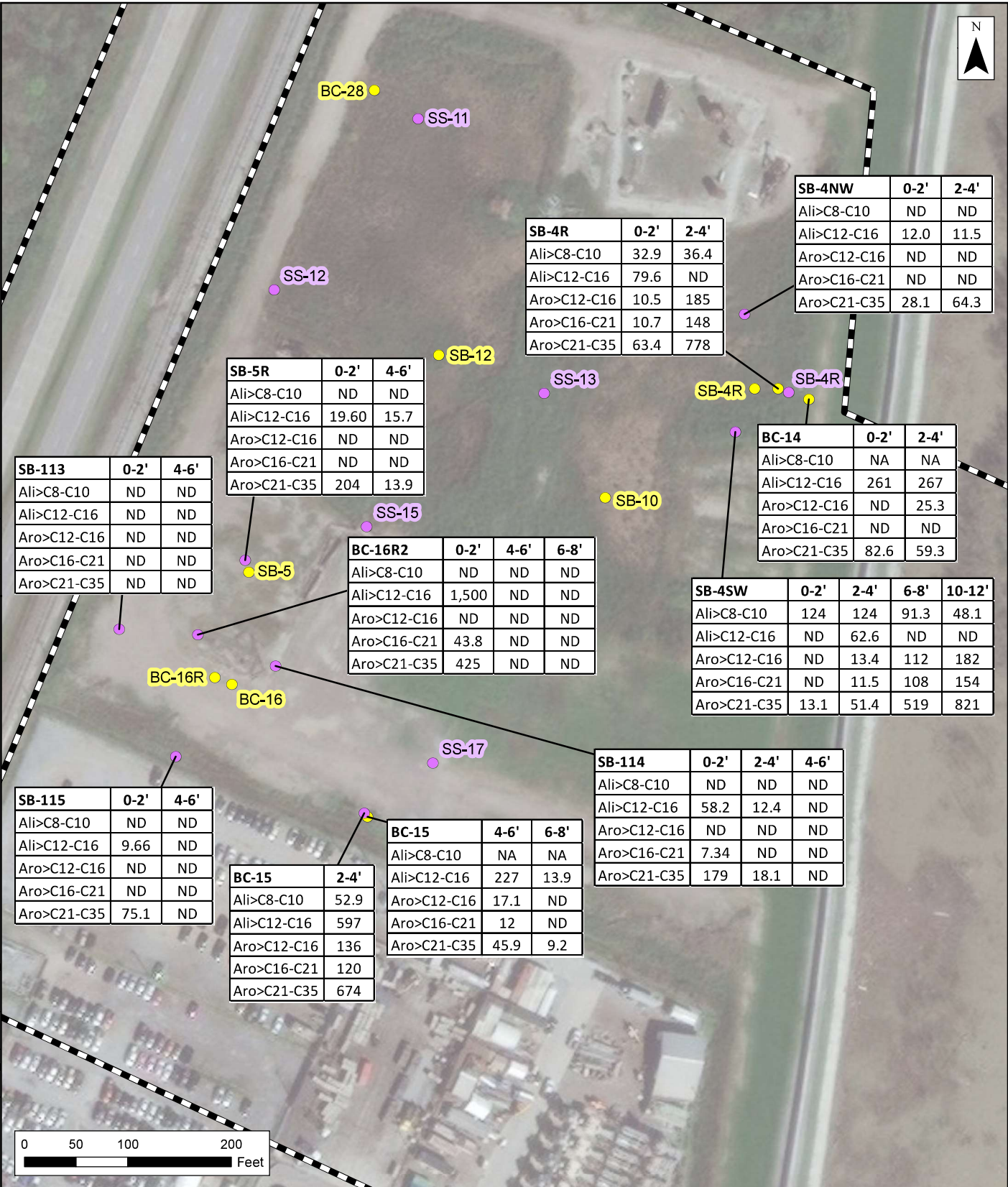
Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 Results are in wet-weight.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.

Figure 78
Barium in Soil - SE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

DRAWN BY: MMG
 P:\Projects\0494255 Hero Lands v. Chevron\DU\GIS\Maps\14 Expert Report\107_TPH Fractions in Soil - SE Tract.mxd, REVISED: 08/25/2020, SCALE: 1:1,600 when printed at 8.5x11



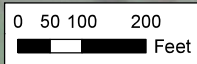
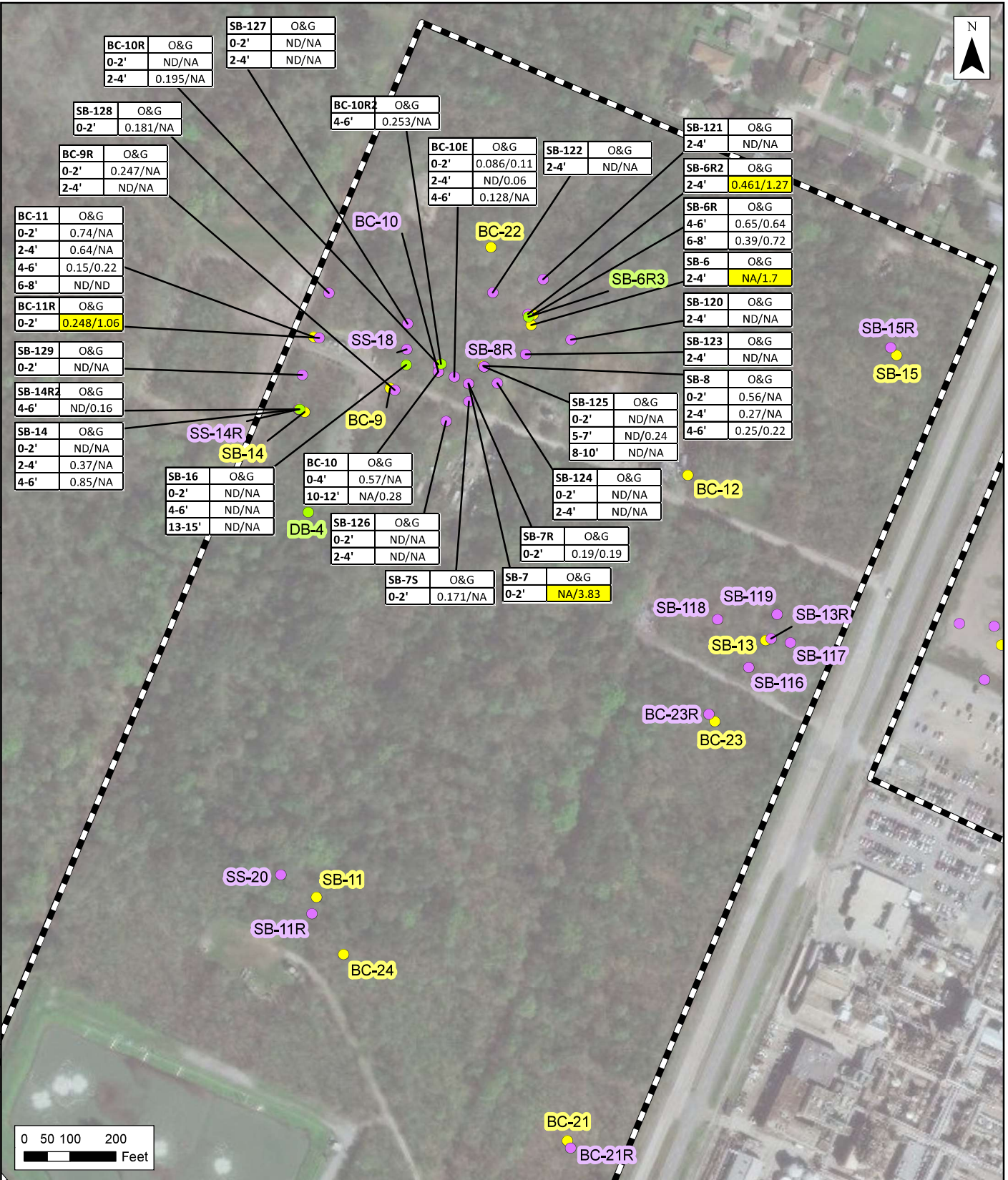
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Interval
Constituent	ERM Result

Notes:
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 79
TPH Fractions in Soil - SE Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

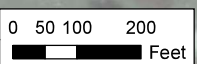
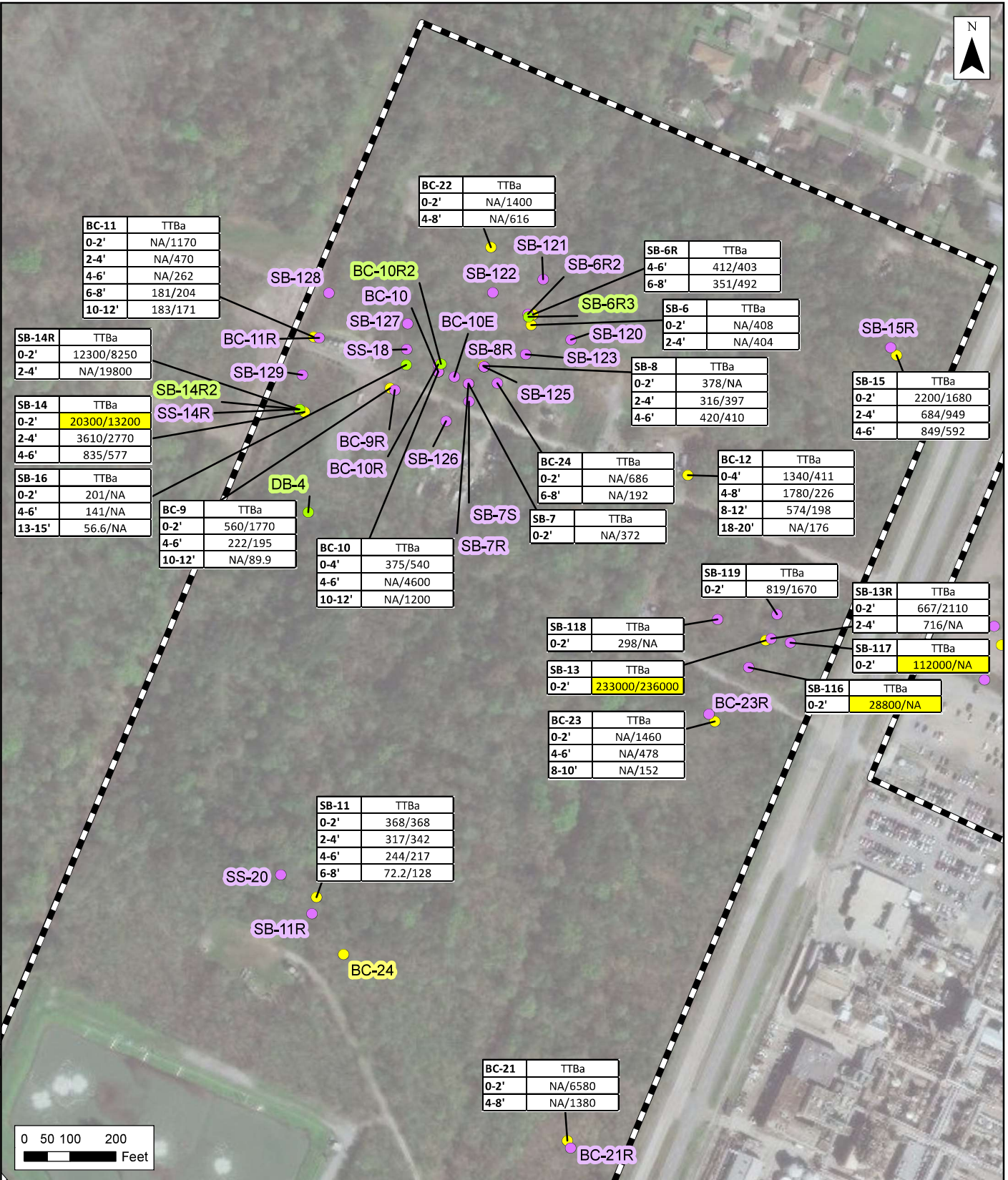


- HET Soil Boring Location
- ERM Soil Boring Location
- ICON Soil Boring Location
- ▭ Property

Sample ID	Constituent
Interval	ERM Result/ICON Result

Notes:
 HET Soil Boring results are HET Results/ICON Results.
 Highlighted values exceed 29-B Pit Standards.
 Units are percent.
 Imagery Basemap via ArcGIS Online.

Figure 80
Oil & Grease in Soil - SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

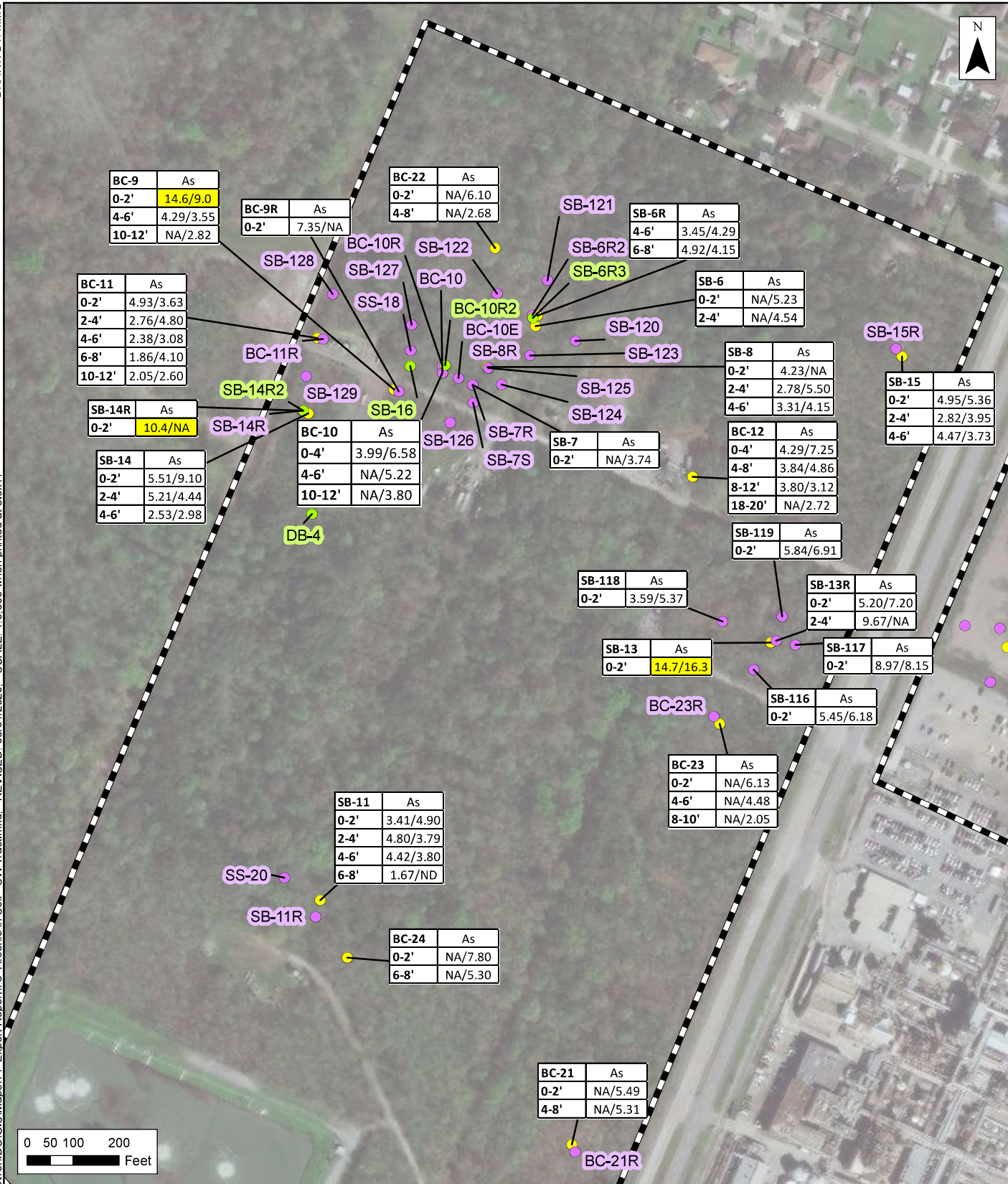


- HET Soil Boring Location
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Notes:
 HET Soil Boring results are HET Results/ICON Results.
 Highlighted values exceed 29-B Pit Standards.
 Units are mg/kg dry weight.
 Imagery Basemap via ArcGIS Online.

Sample ID	Constituent
Interval	ERM Result/ICON Result

Figure 81
True Total Barium in Soil - SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana



BC-9	As
0-2'	14.6/9.0
4-6'	4.29/3.55
10-12'	NA/2.82

BC-11	As
0-2'	4.93/3.63
2-4'	2.76/4.80
4-6'	2.38/3.08
6-8'	1.86/4.10
10-12'	2.05/2.60

SB-14R	As
0-2'	10.4/NA

SB-14	As
0-2'	5.51/9.10
2-4'	5.21/4.44
4-6'	2.53/2.98

BC-9R	As
0-2'	7.35/NA

BC-22	As
0-2'	NA/6.10
4-8'	NA/2.68

SB-6R	As
4-6'	3.45/4.29
6-8'	4.92/4.15

SB-6	As
0-2'	NA/5.23
2-4'	NA/4.54

SB-8	As
0-2'	4.23/NA
2-4'	2.78/5.50
4-6'	3.31/4.15

BC-12	As
0-4'	4.29/7.25
4-8'	3.84/4.86
8-12'	3.80/3.12
18-20'	NA/2.72

SB-119	As
0-2'	5.84/6.91

SB-118	As
0-2'	3.59/5.37

SB-13R	As
0-2'	5.20/7.20
2-4'	9.67/NA

SB-13	As
0-2'	14.7/16.3

SB-117	As
0-2'	8.97/8.15

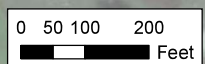
SB-116	As
0-2'	5.45/6.18

BC-23	As
0-2'	NA/6.13
4-6'	NA/4.48
8-10'	NA/2.05

SB-11	As
0-2'	3.41/4.90
2-4'	4.80/3.79
4-6'	4.42/3.80
6-8'	1.67/ND

BC-24	As
0-2'	NA/7.80
6-8'	NA/5.30

BC-21	As
0-2'	NA/5.49
4-8'	NA/5.31

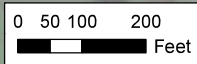
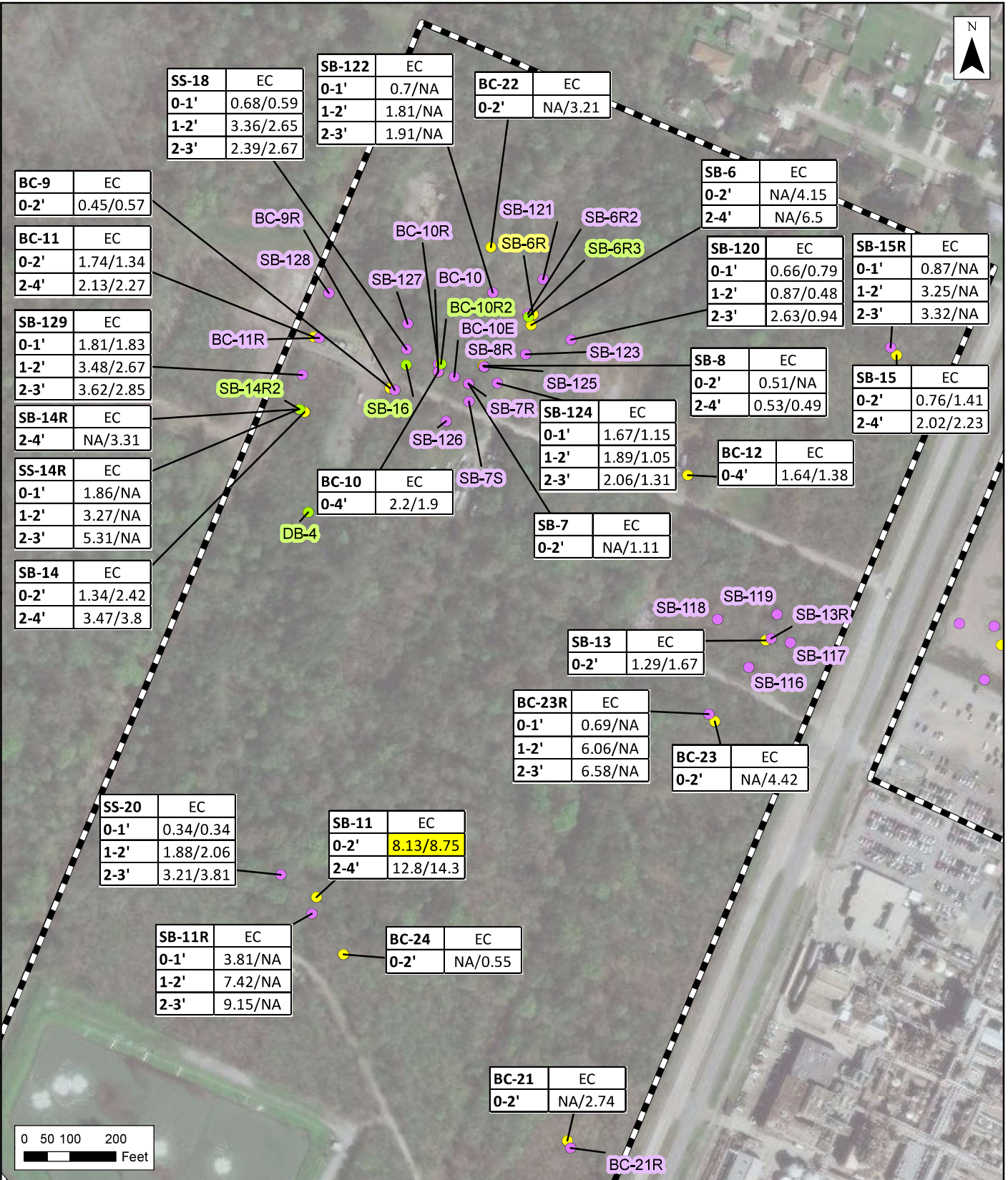


- HET Soil Boring Location
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Notes:
 HET Soil Boring results are HET Results/ICON Results.
 Highlighted values exceed 29-B Pit Standards.
 Results are in wet-weight.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.

Sample ID	Constituent
Interval	ERM Result/ICON Result

Figure 82
Arsenic in Soil - SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

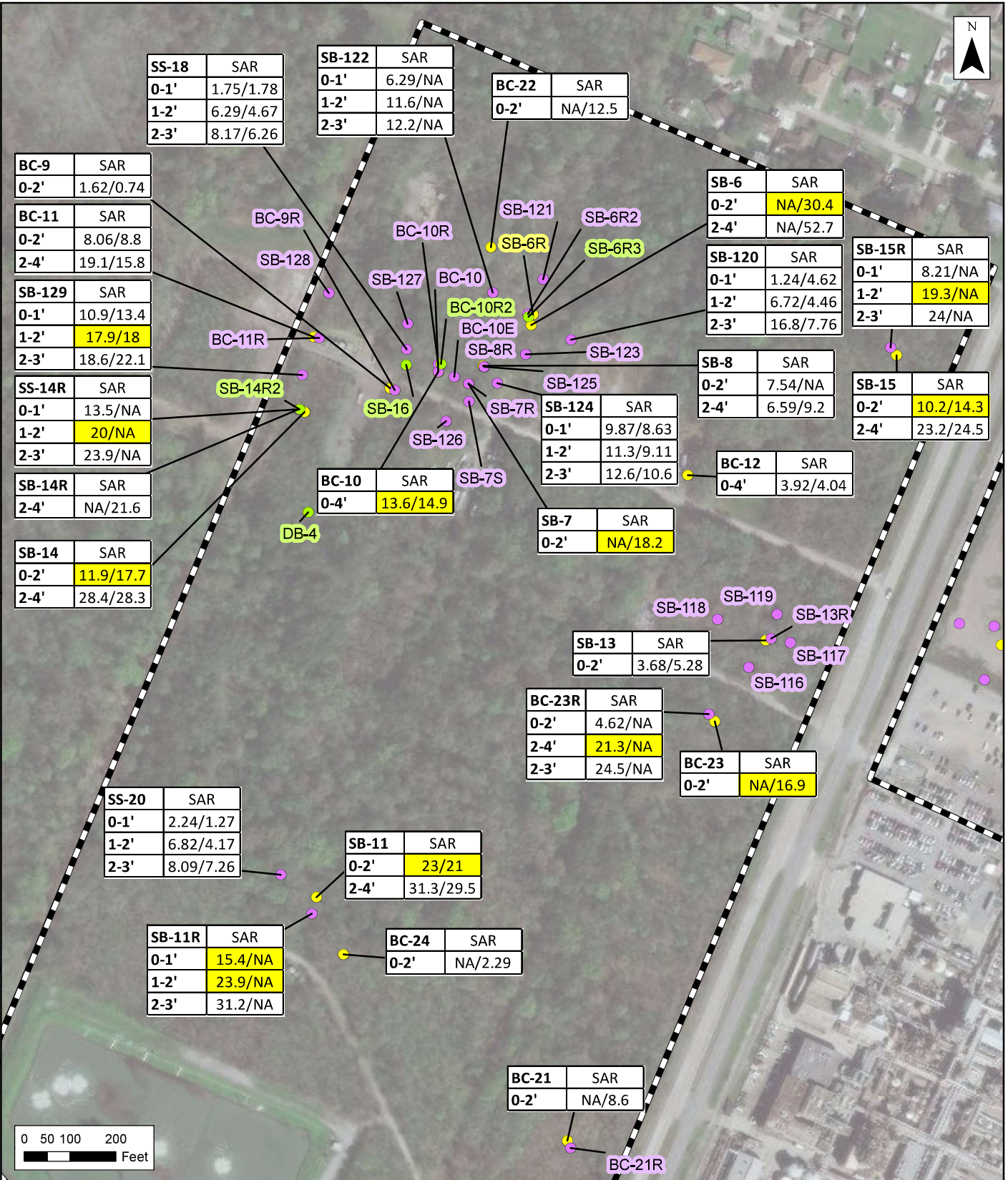


- HET Soil Boring Location
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Notes:
 EC Data in the top 3 feet shown.
 Highlighted values exceed 29-B wetland salt limits within the effective root zone.
 Units are mmhos/cm.
 Imagery Basemap via ArcGIS Online.

Sample ID	Constituent
Interval	ERM Result/ICON Result

Figure 83
EC Values in Soil - SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana



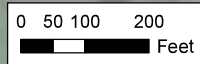
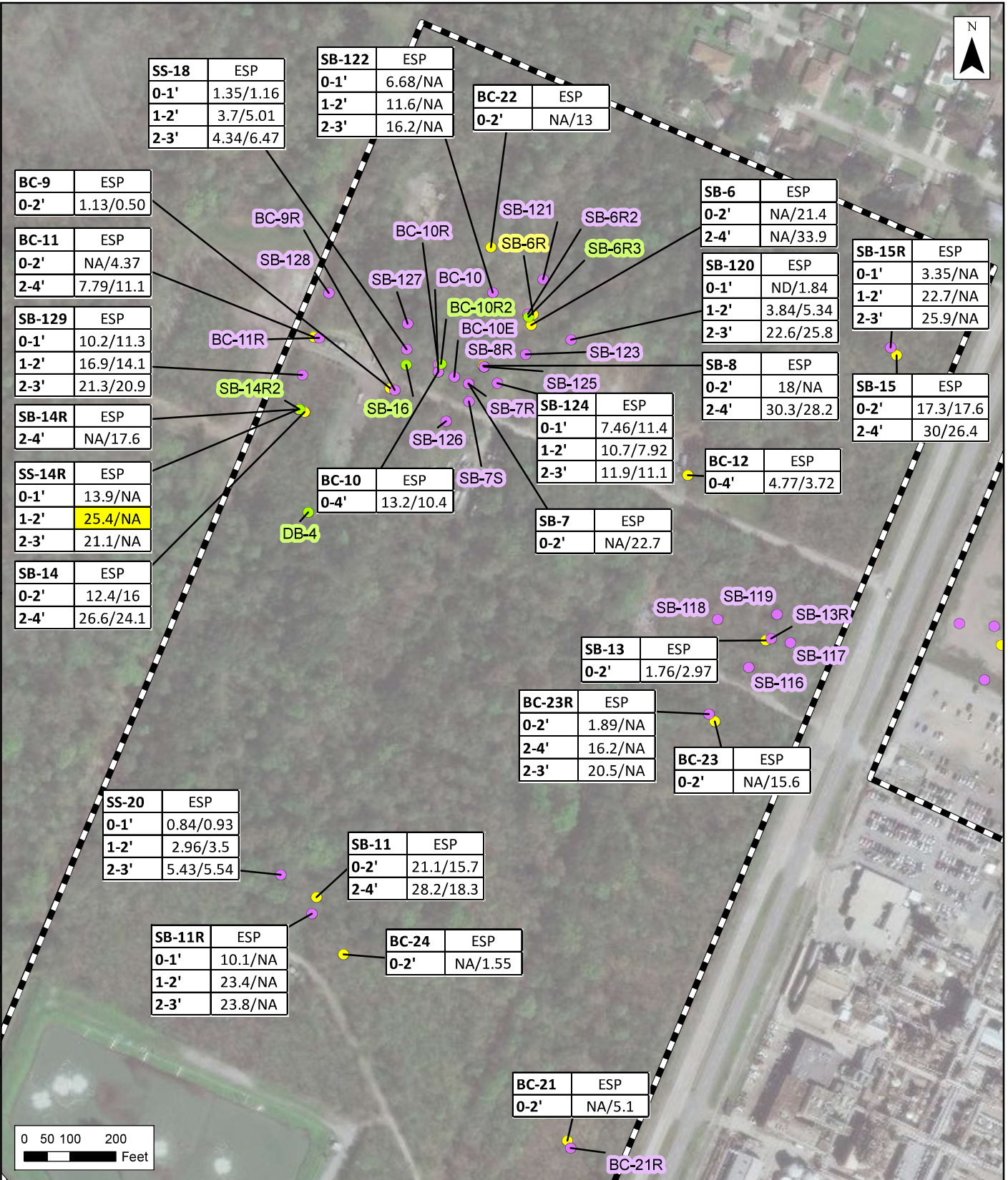
● HET Soil Boring Location
● ERM Soil Boring Location
● ICON Soil Boring Location
 Property

Notes:
 SAR Data in the top 3 feet shown
 Highlighted values exceed 29-B wetland salt limits within the effective root zone.
 SAR is unitless.
 Imagery Basemap via ArcGIS Online.

Sample ID	Constituent
Interval	ERM Result/ICON Result

Figure 84
SAR Values in Soil - SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

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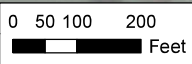
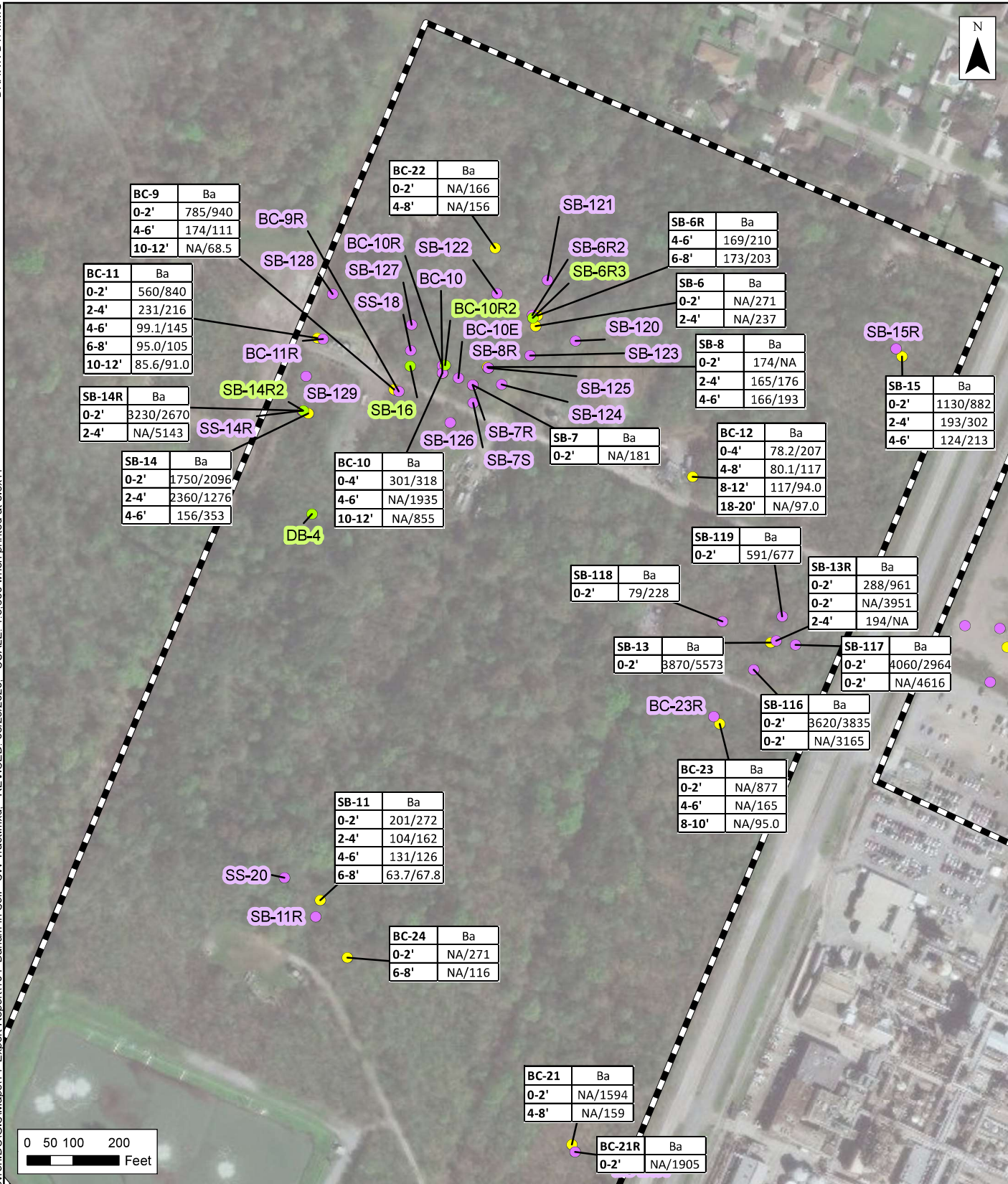


- HET Soil Boring Location
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Notes:
 ESP Data in the top 3 feet shown.
 Highlighted values exceed 29-B wetland salt limits within the effective root zone.
 Units are percent.
 Imagery Basemap via ArcGIS Online.

Sample ID	Constituent
Interval	ERM Result/ICON Result

Figure 85
ESP Values in Soil - SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana



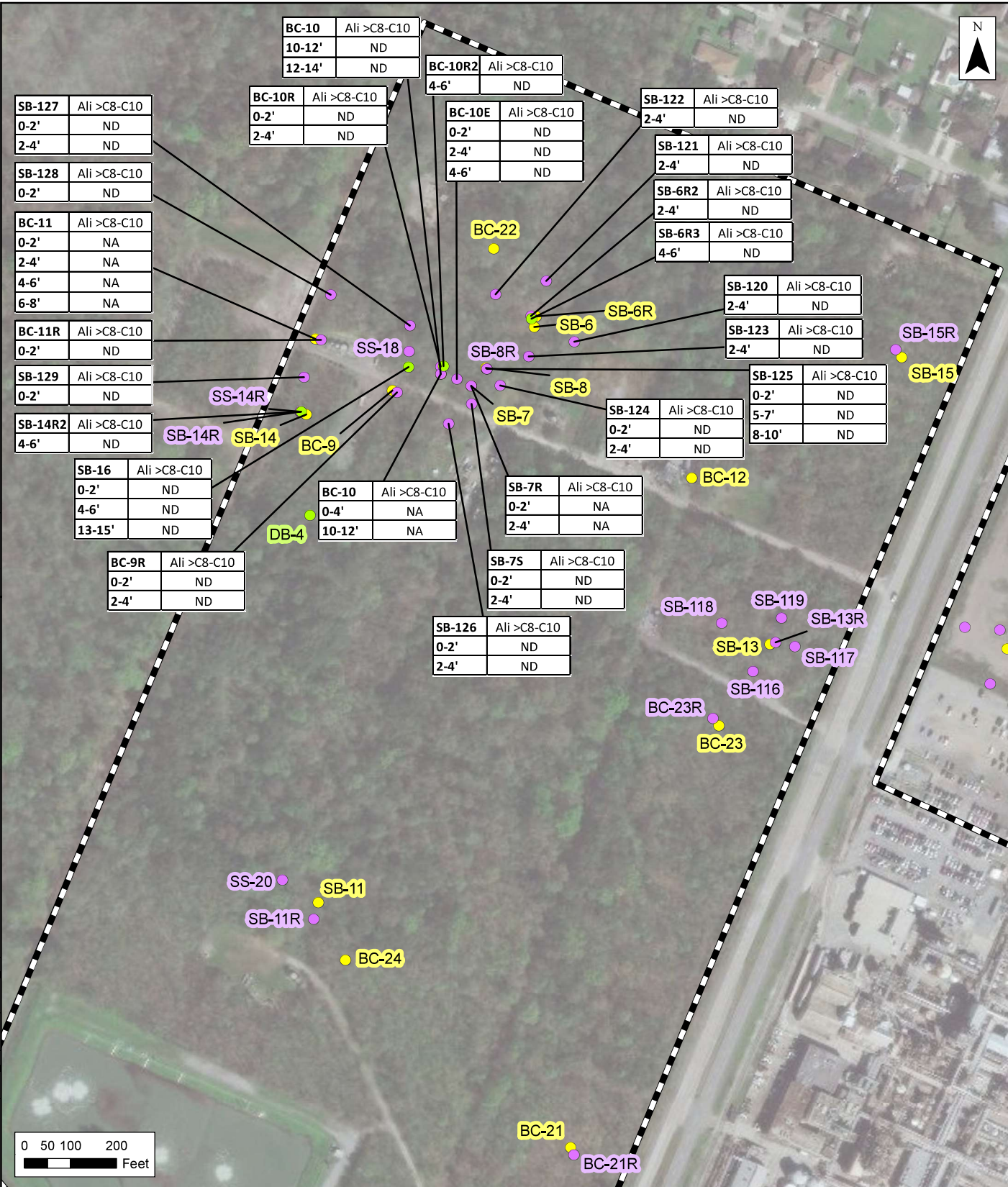
- HET Soil Boring Location
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Notes:
 HET Soil Boring results are HET Results/ICON Results.
 Results are in wet-weight.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.

Sample ID	Constituent
Interval	ERM Result/ICON Result

Figure 86
Barium in Soil - SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

DRAWN BY: MMG
P:\Projects\0494255 Hero Lands v. Chevron\DU\GIS\Maps\14 Expert Report\187 Aliphatic C8-C10 in Soil-SW Tract.mxd REVISED: 09/04/2020 SCALE: 1:3,600 when printed at 8.5x11



- HET Soil Boring Location
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

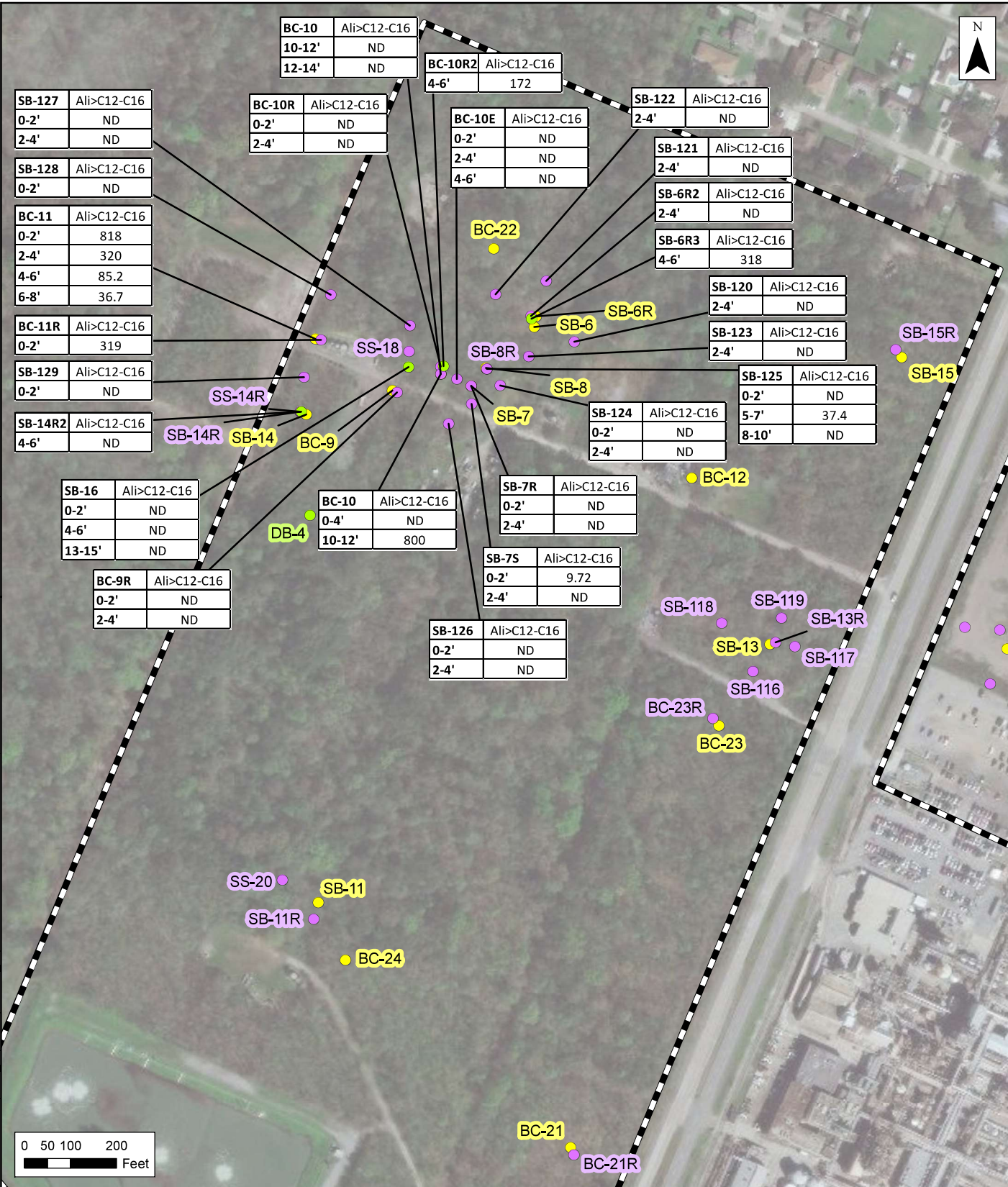
Sample ID	Constituent
Interval	ERM Result

Notes:
 HET Soil Boring Results are HET Results/ICON Results.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.

Figure 87
Aliphatic C8-C10 in Soil- SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

DRAWN BY: MMG
 P:\Projects\0494255 Hero Lands v. Chevron\DU\GIS\Maps\14 Expert Report\109 Aliphatic C12-C16 in Soil - SW Tract.mxd REVISED: 08/25/2020 SCALE: 1:3,600 when printed at 8.5x11



● HET Soil Boring Location
● ERM Soil Boring Location
● ICON Soil Boring Location
 Property

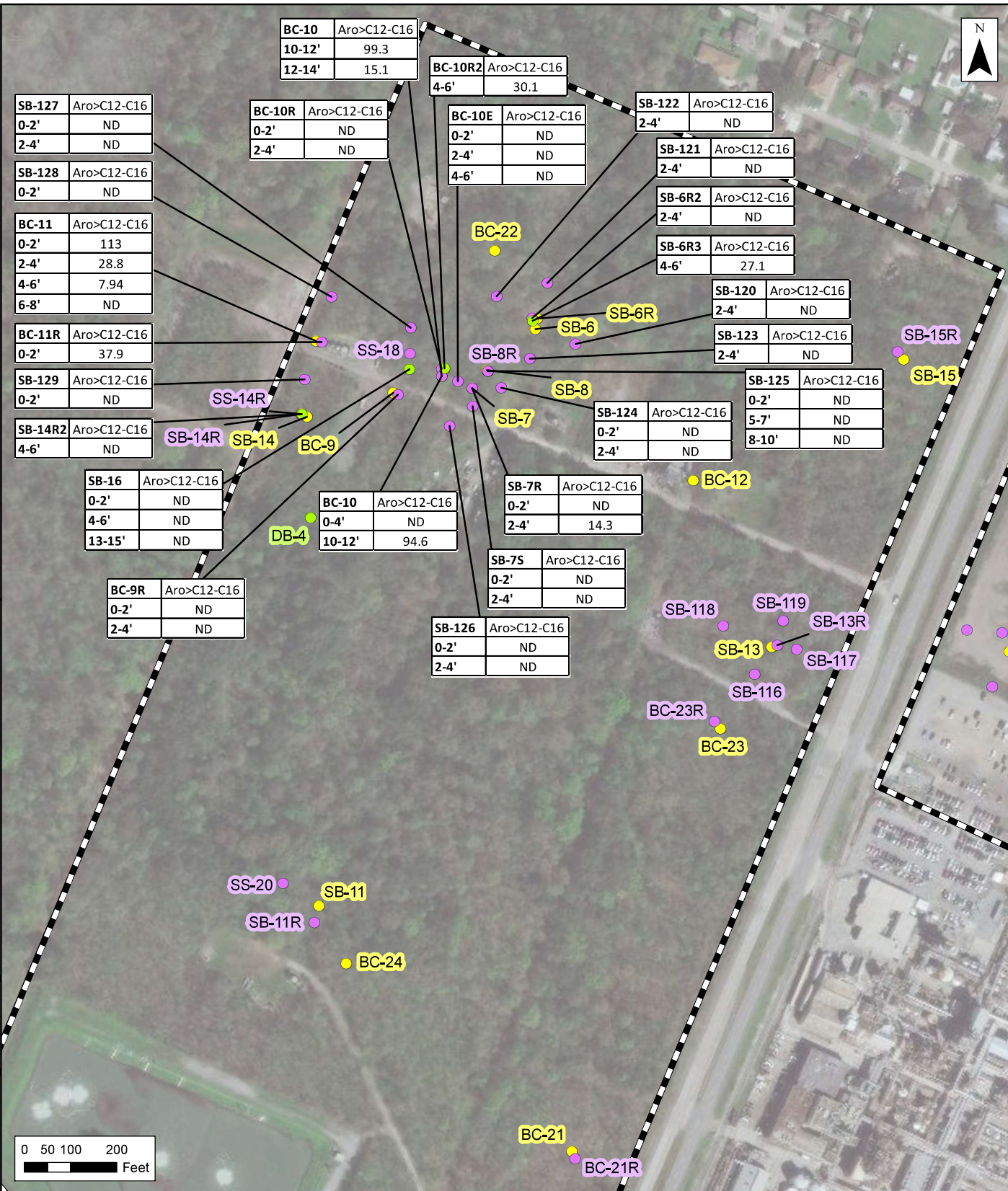
Sample ID	Constituent
Interval	ERM Result

Notes:
 HET Soil Boring results are HET Results/ICON Results.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 88
Aliphatic C12-C16 in Soil - SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
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DRAWN BY: MMG

P:\Projects\0494255 Hero Lands v. Chevron\DU\GIS\Maps\14 Expert Report\89 Aromatic C12-C16 in Soil - SW Tract.mxd, REVISED: 09/04/2020, SCALE: 1:3,600 when printed at 8.5x11



- HET Soil Boring Location
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

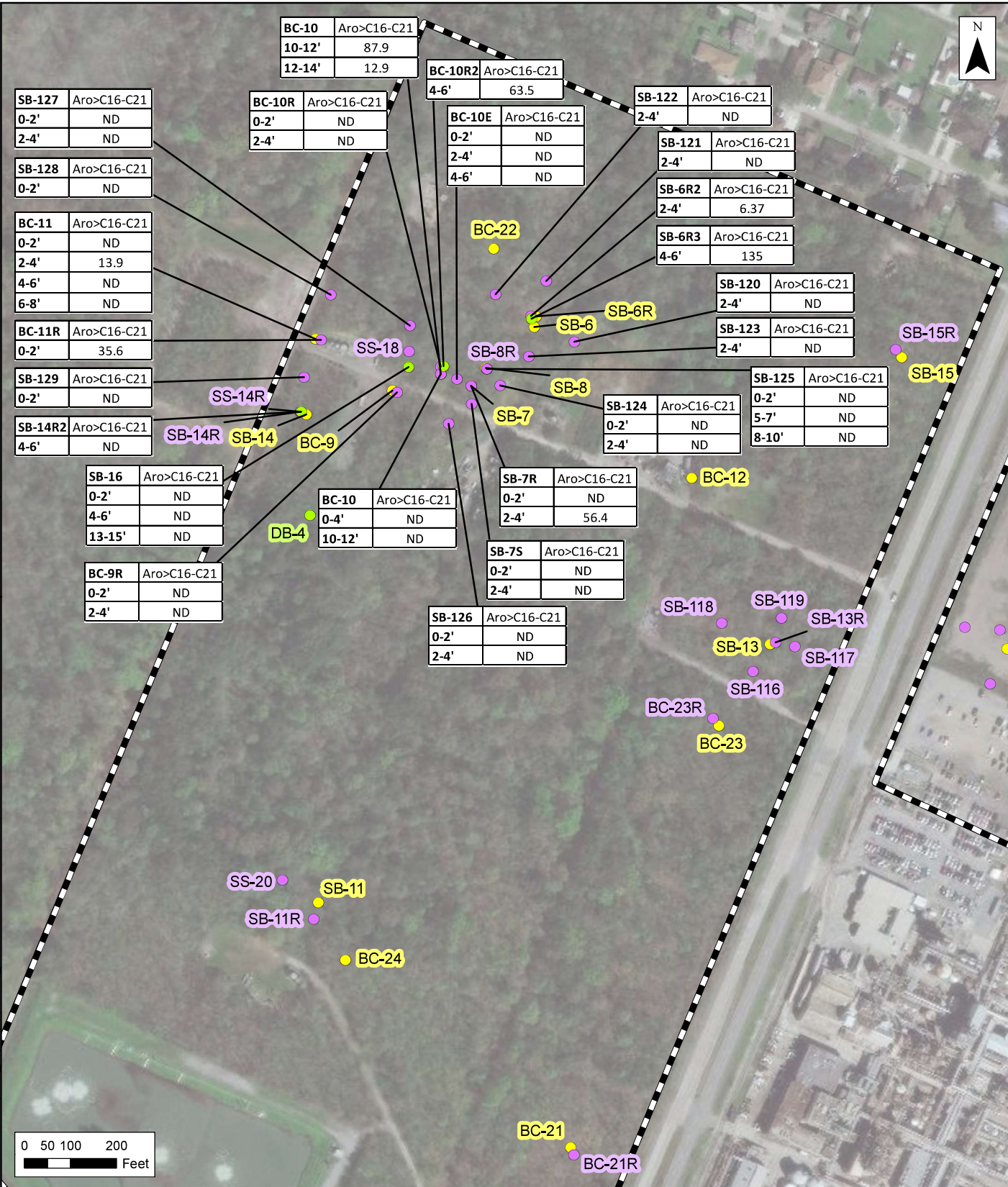
Sample ID	Constituent
Interval	ERM Result

Notes:
 HET Soil Boring results are HET Results/ICON Results.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.

Figure 89
Aromatic C12-C16 in Soil - SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

DRAWN BY: MMG
 P:\Projects\0494255 Hero Lands v. Chevron.DU\GIS\Maps\14 Expert Report\1111 Aromatic C16-C21 in Soil - SW Tract.mxd REVISED: 08/25/2020 SCALE: 1:3,600 when printed at 8.5x11



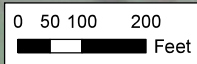
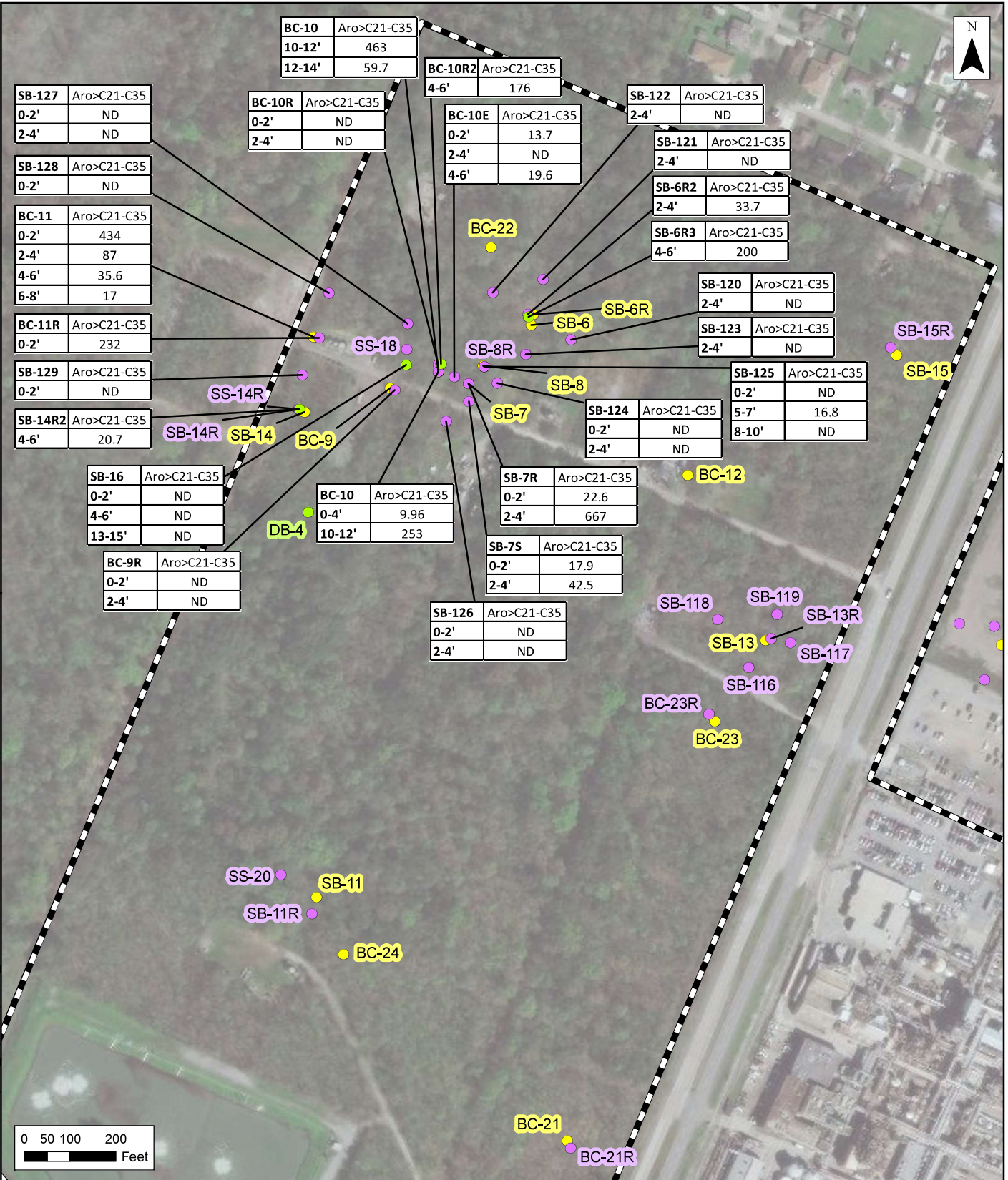
- HET Soil Boring Location
- ERM Soil Boring Location
- ICON Soil Boring Location
- Property

Sample ID	Constituent
Interval	ERM Result

Notes:
 HET Soil Boring results are HET Results/ICON Results.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.

Figure 90
Aromatic C16-C21 in Soil - SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

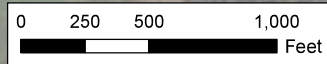
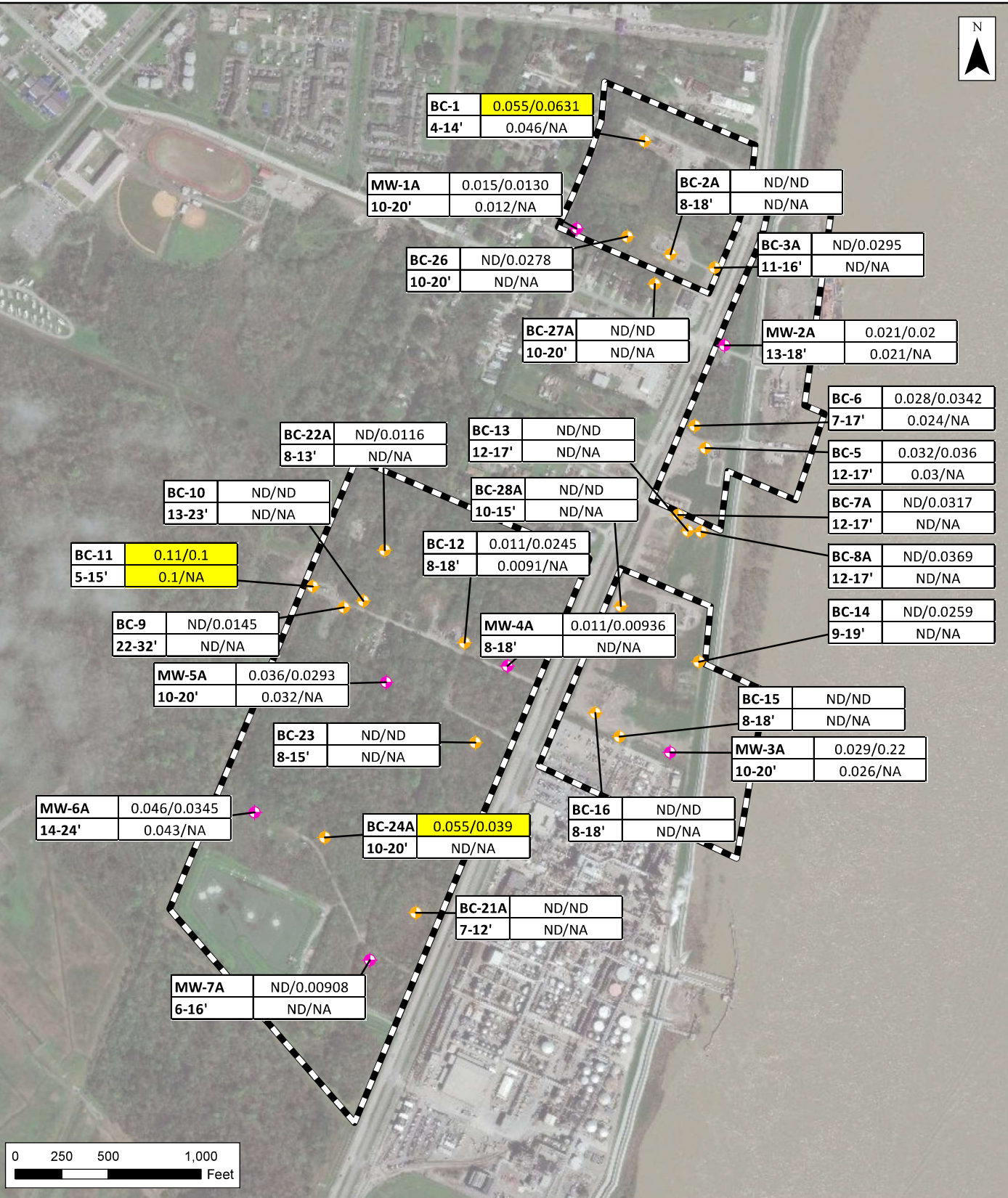


- HET Soil Boring Location
- ERM Soil Boring Location
- ICON Soil Boring Location
- ▭ Property

Sample ID	Constituent
Interval	ERM Result

Figure 91
Aromatic C21-C35 in Soil - SW Tract
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 HET Soil Boring results are HET Results/ICON Results.
 Units are mg/kg.
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

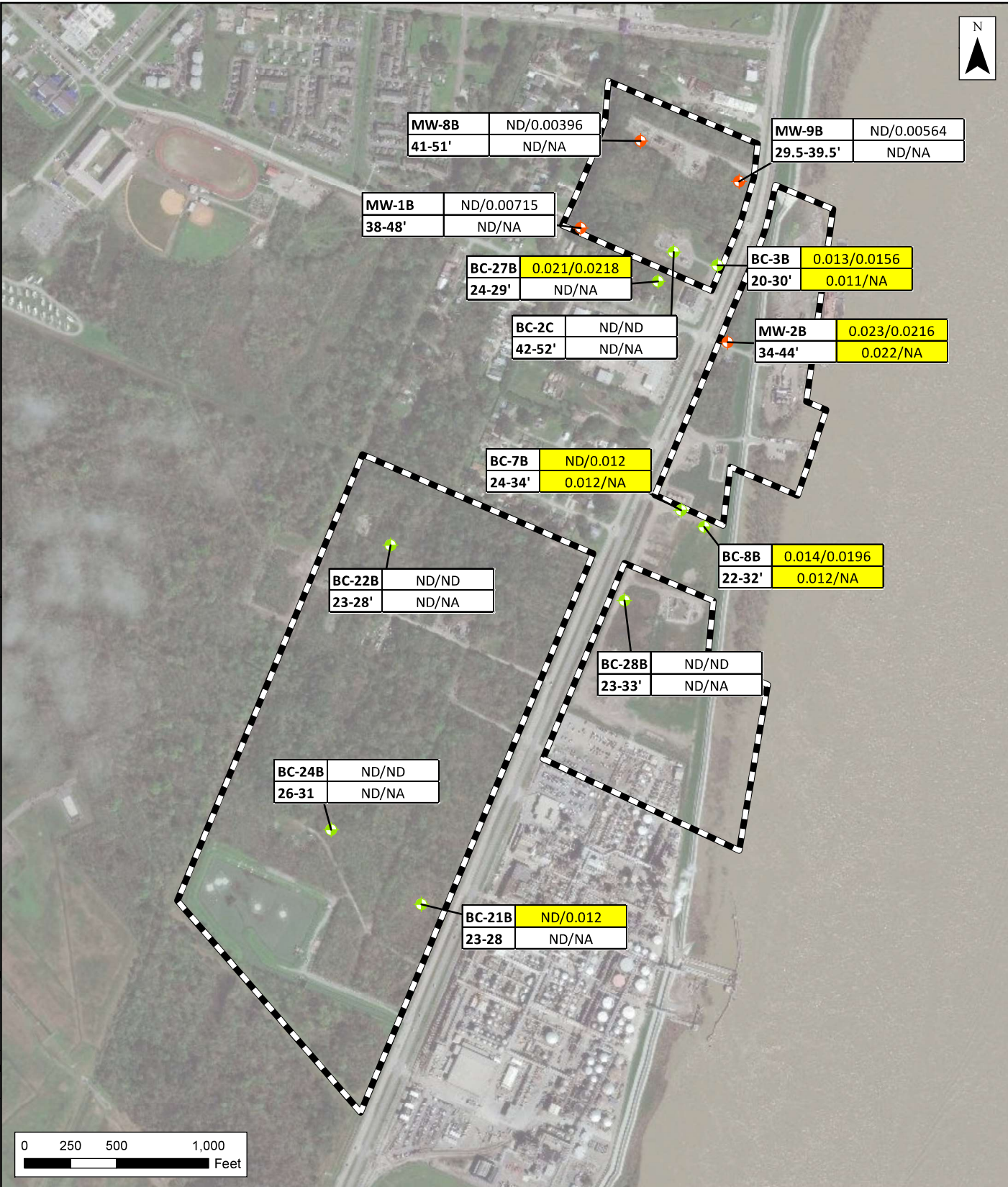


◆ ERM A-Zone MW Property
◆ ICON A-Zone MW

Well ID	Total Results: ERM/ICON
Screen	Dissolved Results: ERM/ICON

Figure 92
GW Results - A Zone Arsenic
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 All Arsenic sample results shown.
 Units are mg/l.
 Yellow cells indicate further evaluation is warranted per RECAP GW3NDW MO-1.
 NA - Not Analyzed, ND - Non-Detect
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

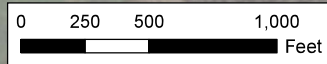
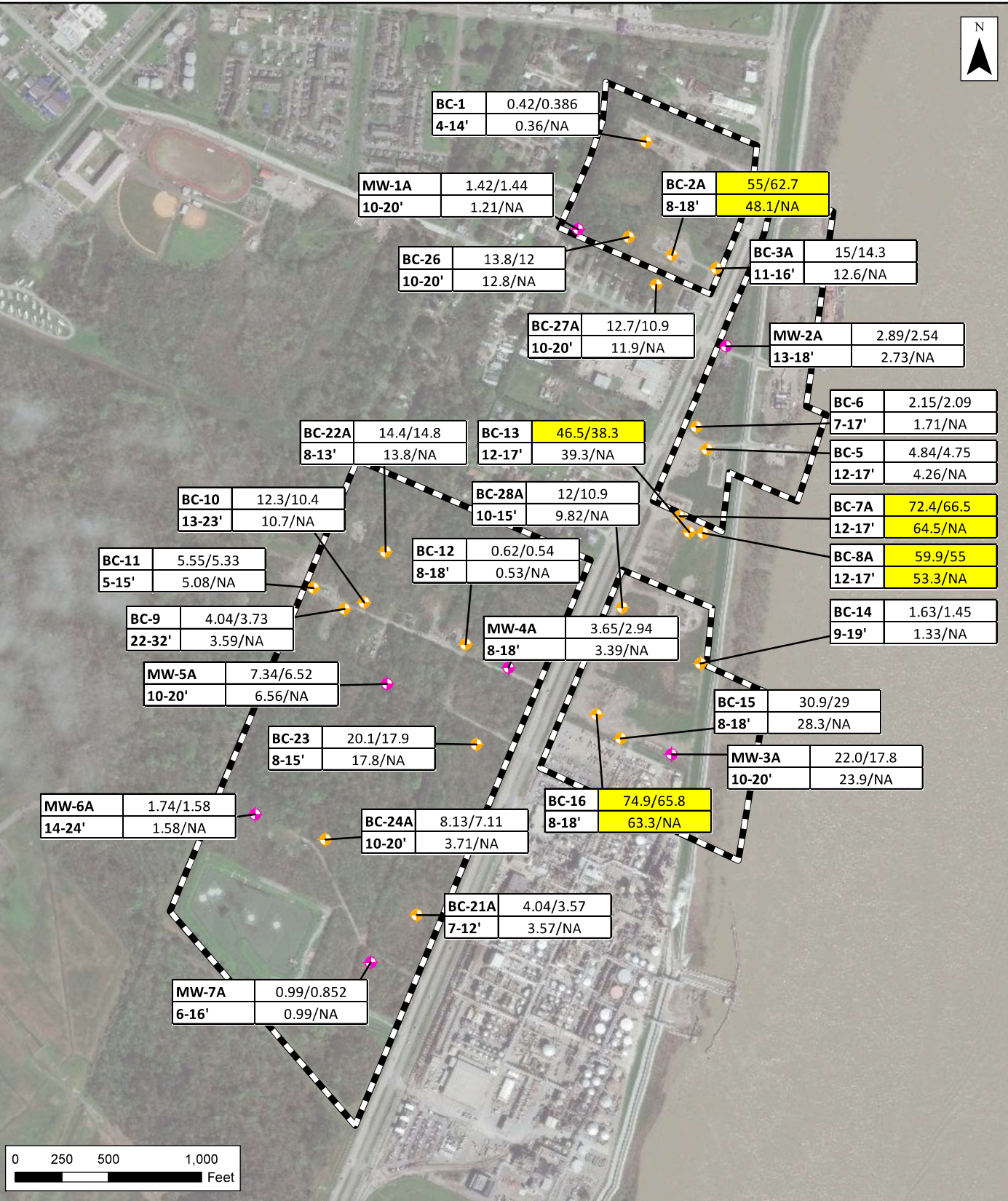


ERM B-Zone MW
 Property
 ICON B-Zone MW

Well ID	Total Results: ERM/ICON
Screen	Dissolved Results: ERM/ICON

Notes:
 All Arsenic sample results shown.
 Units are mg/l.
 Yellow cells indicate further evaluation is warranted per RECAP Screening Option.
 NA - Not Analyzed, ND - Non-Detect
 Imagery Basemap via ArcGIS Online.

Figure 93
GW Results - B Zone Arsenic
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana
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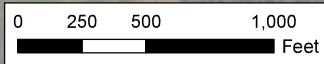
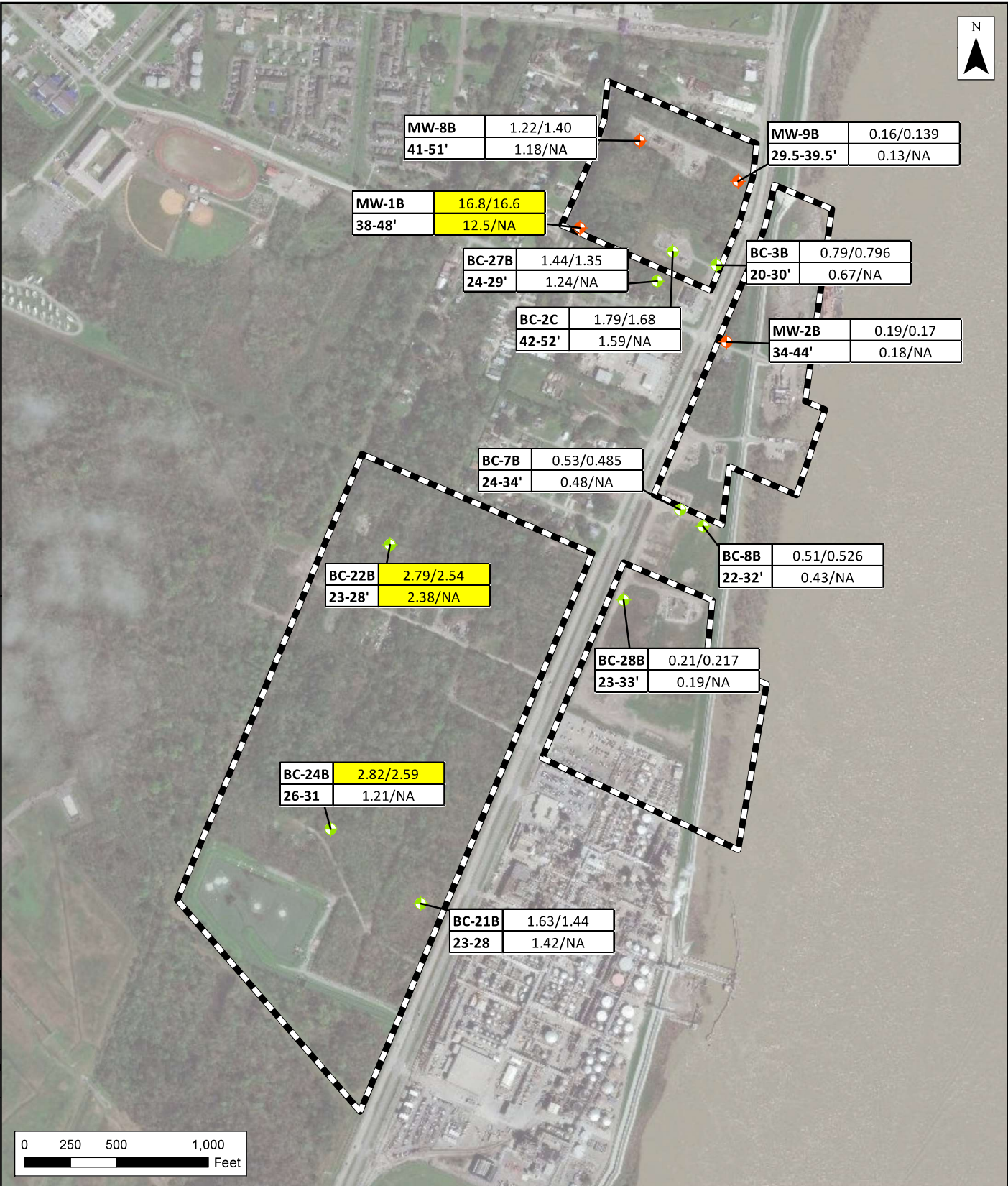


◆ ERM A-Zone MW Property
◆ ICON A-Zone MW

Well ID	Total Results: ERM/ICON
Screen	Dissolved Results: ERM/ICON

Notes:
 All Barium sample results shown.
 Units are mg/l.
 Yellow cells indicate further evaluation is warranted per RECAP GW3NDW MO-1.
 NA - Not Analyzed
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 94
GW Results - A Zone Barium
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana
 Environmental Resources Management
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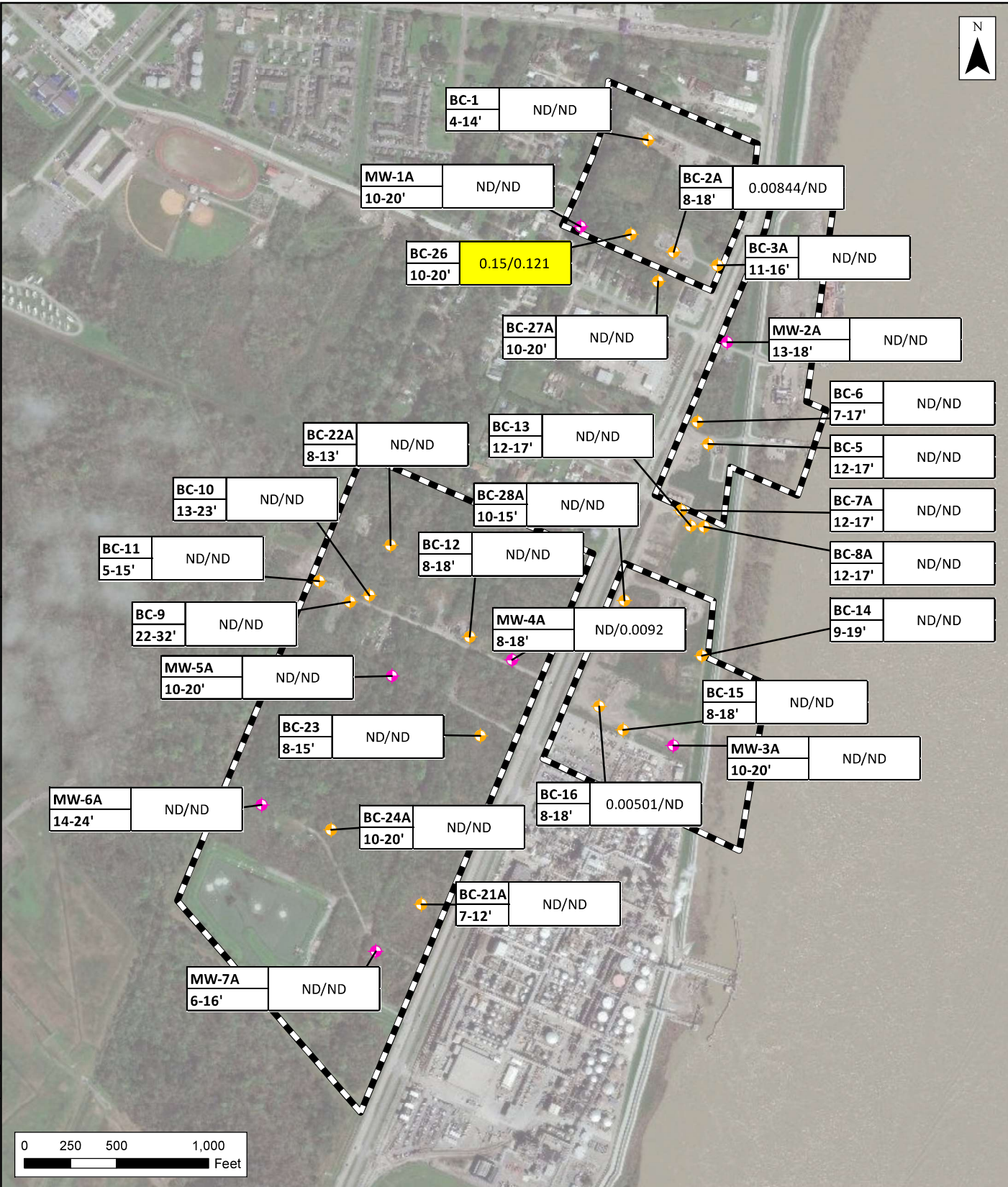


- ERM B-Zone MW
- ICON B-Zone MW
- Property

Well ID	Total Results: ERM/ICON
Screen	Dissolved Results: ERM/ICON

Figure 95
GW Results - B Zone Barium
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 All Barium sample results shown.
 Units are mg/l.
 Yellow cells indicate further evaluation is warranted per RECAP Screening Option.
 NA - Not Analyzed
 Imagery Basemap via ArcGIS Online.

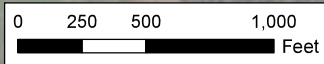


◆ ERM A-Zone MW
 Property

Well ID	Screen	ERM Result/ICON Result

Notes:
 All Benzene sample results shown.
 Units are mg/l.
 Yellow cells indicate further evaluation is warranted per RECAP GW3NDW MO-1.
 ND - Non-Detect
 Imagery Basemap via ArcGIS Online.

Figure 96
GW Results - A Zone Benzene
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

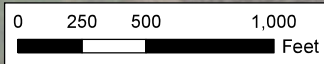
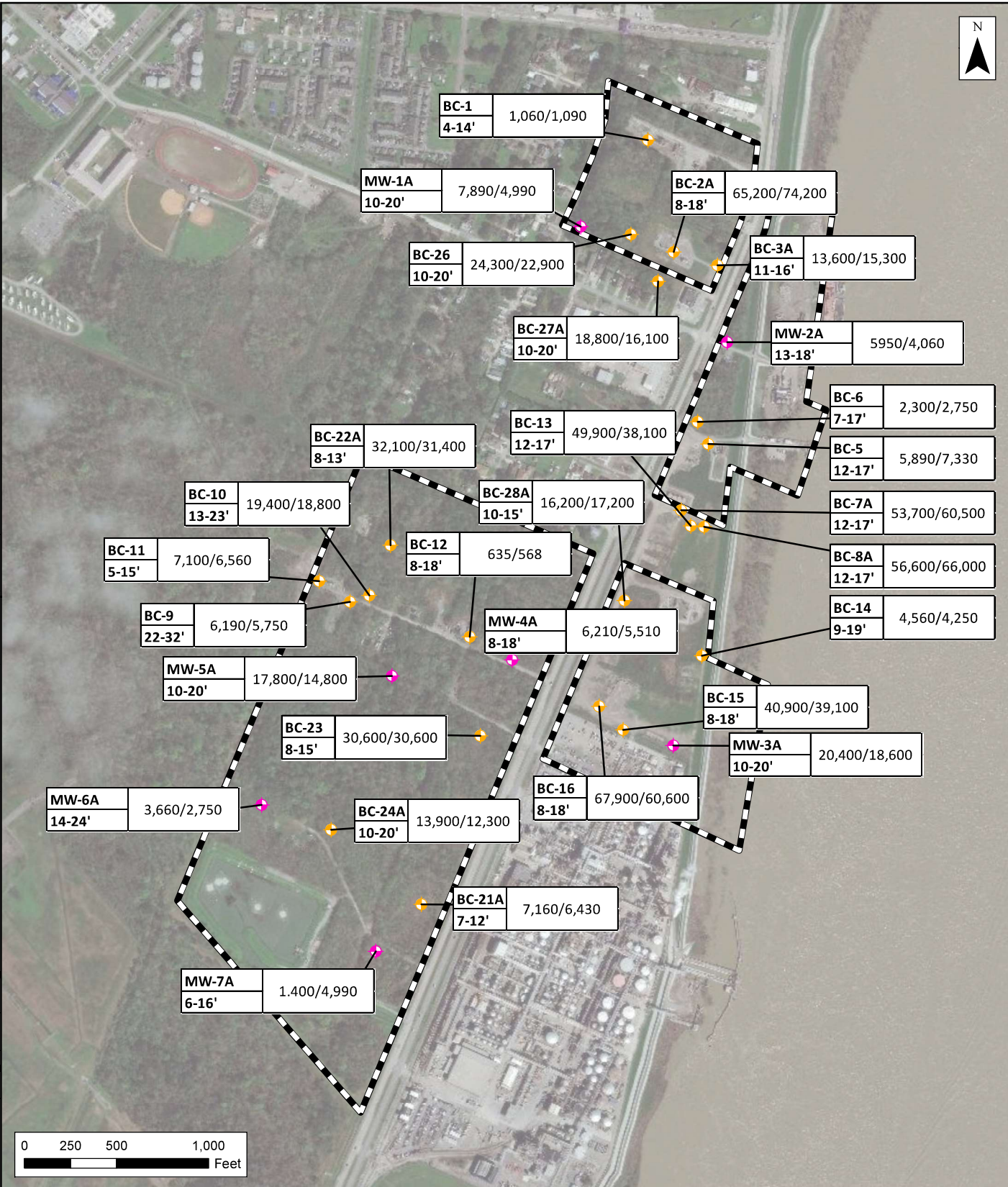


◆ ERM B-Zone MW
 Property

Well ID	Screen	ERM Result/ICON Result

Notes:
 All Benzene sample results shown.
 Units are mg/l.
 Yellow cells indicate further evaluation is warranted per RECAP Screening Option.
 ND - Non-Detect
 Imagery Basemap via ArcGIS Online.

Figure 97
GW Results - B Zone Benzene
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana
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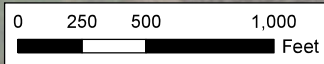


ERM A-Zone MW	Property	<table border="1"><tr><td>Well ID</td></tr><tr><td>Screen</td></tr></table>	Well ID	Screen	<table border="1"><tr><td>ERM Result/ICON Result</td></tr></table>	ERM Result/ICON Result
Well ID						
Screen						
ERM Result/ICON Result						
ICON A-Zone MW						

Figure 98

GW Results - A Zone Chloride
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

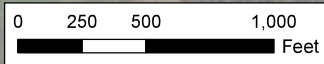
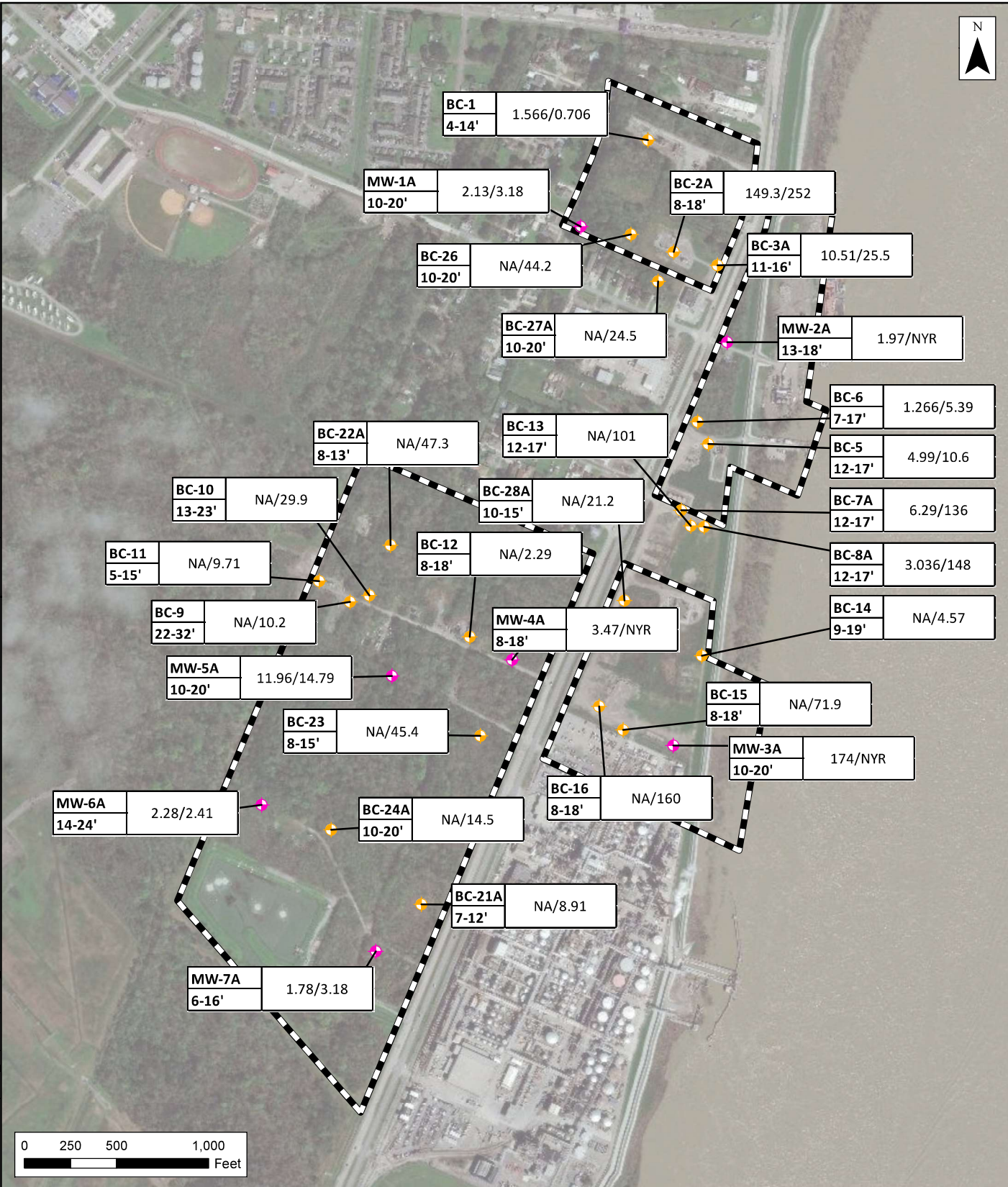
Notes:
 All Chloride sample results shown.
 Units are mg/l.
 Imagery Basemap via ArcGIS Online.



- ERM B-Zone MW
- ICON B-Zone MW
- Property
- | | |
|---------|------------------------|
| Well ID | ERM Result/ICON Result |
| Screen | |

Figure 99
GW Results - B Zone Chloride
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 All Chloride sample results shown.
 Units are mg/l.
 Imagery Basemap via ArcGIS Online.



- ERM A-Zone MW
- ICON A-Zone MW
- Property
- | |
|---------|
| Well ID |
| Screen |

 ERM Result/ICON Result

Notes:
 All Combined Ra 226 + 228 sample results shown.
 Units are mg/l.
 NA - Not Analyzed, NYR - Not yet received
 Imagery Basemap via ArcGIS Online.

Figure 100
GW Results - A Zone Radium
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

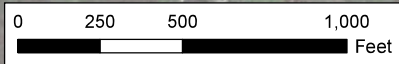
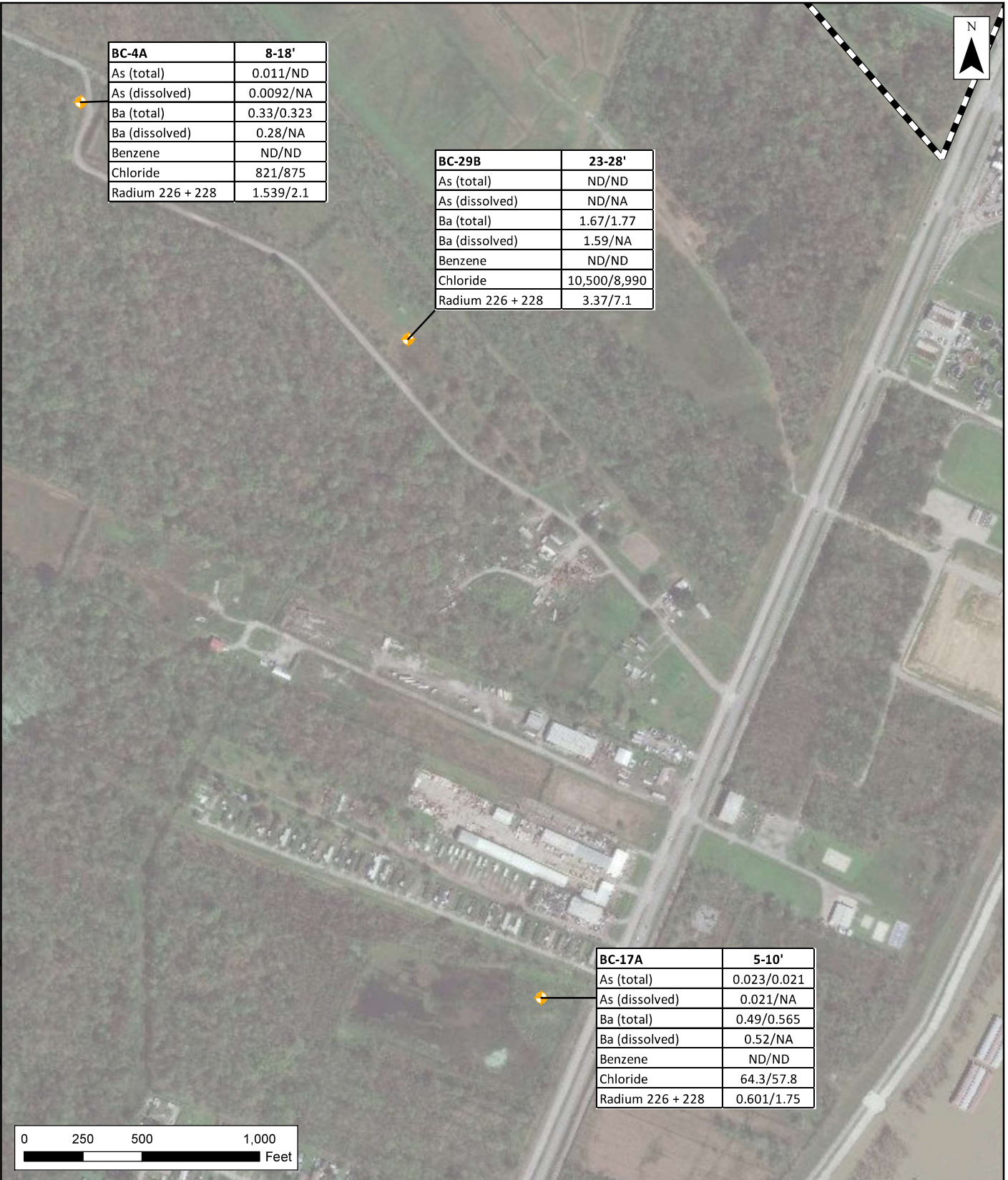


◆ ERM B-Zone MW
 Property

Well ID	ERM Result/ICON Result
Screen	

Notes:
 All Combined Ra 226 + 228 sample results shown.
 Units are mg/l.
 NA - Not Analyzed, NYR - Not yet recorded
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 101
GW Results - B Zone Radium
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana
 Environmental Resources Management
 www.erm.com



ICON A-Zone MW
 Property

Well ID	Screen
Constituent	ERM Result/ICON Result

Figure 102
GW Results - A Zone Outside Property
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 All Arsenic, Barium, Benzene, Chloride, and Radium 226 + 228 results shown.
 Yellow cells indicate further evaluation is warranted per RECAP GW3NDW MO-1.
 NA - Not Analyzed, ND - Non-Detect
 Imagery Basemap via ArcGIS Online.



BC-4B	28-38'
As (total)	ND/ND
As (dissolved)	ND/NA
Ba (total)	1.69/1.64
Ba (dissolved)	1.5/NA
Benzene	ND/ND
Chloride	7,600/9,590
Radium 226 + 228	4.16/11.9

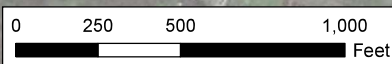
BC-29B	23-28'
As (total)	ND/ND
As (dissolved)	ND/NA
Ba (total)	1.67/1.77
Ba (dissolved)	1.59/NA
Benzene	ND/ND
Chloride	10,500/8,990
Radium 226 + 228	3.37/7.1

BC-17B	23-28'
As (total)	0.027/0.024
As (dissolved)	0.023/NA
Ba (total)	1.33/1.34
Ba (dissolved)	1.21/NA
Benzene	ND/ND
Chloride	3,480/2,900
Radium 226 + 228	1.107/4.16

BC-19	20-25'
As (total)	0.086/0.094
As (dissolved)	0.081/NA
Ba (total)	0.45/0.473
Ba (dissolved)	0.39/NA
Benzene	ND/ND
Chloride	446/536
Radium 226 + 228	1.1606/1.61

BC-20	18-28'
As (total)	0.27/0.25
As (dissolved)	0.23/NA
Ba (total)	0.69/0.718
Ba (dissolved)	0.62/NA
Benzene	ND/ND
Chloride	18.9/15.3
Radium 226 + 228	0.574/2.03

BC-18	17-22'
As (total)	0.029/0.0237
As (dissolved)	0.024/NA
Ba (total)	0.98/0.954
Ba (dissolved)	0.86/NA
Benzene	ND/ND
Chloride	2,110/1,750
Radium 226 + 228	2.123/2.35



ICON B-Zone MW
 Property

Well ID	Screen
Constituent	ERM Result/ICON Result

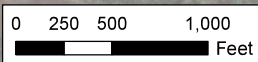
Figure 103
GW Results - B Zone Outside Property
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

Notes:
 All Arsenic, Barium, Benzene, Chloride, and Radium 226 + 228 results shown.
 Yellow cells indicate further evaluation is warranted per RECAP Screening Option.
 NA - Not Analyzed, ND - Non-Detect, NYR - Not yet recorded
 Imagery Basemap via ArcGIS Online.



BC-2D	76-86'
As (total)	ND/0.0234
As (dissolved)	ND/NA
Ba (total)	1.49/1.44
Ba (dissolved)	1.38/NA
Benzene	ND/ND
Chloride	5,360/7,730
Radium 226 + 228	7.97/7.80

BC-4C	76-86'
As (total)	ND/0.02
As (dissolved)	ND/NA
Ba (total)	3.04/2.8
Ba (dissolved)	2.73/NA
Benzene	ND/ND
Chloride	10,300/12,900
Radium 226 + 228	11.56/18.6

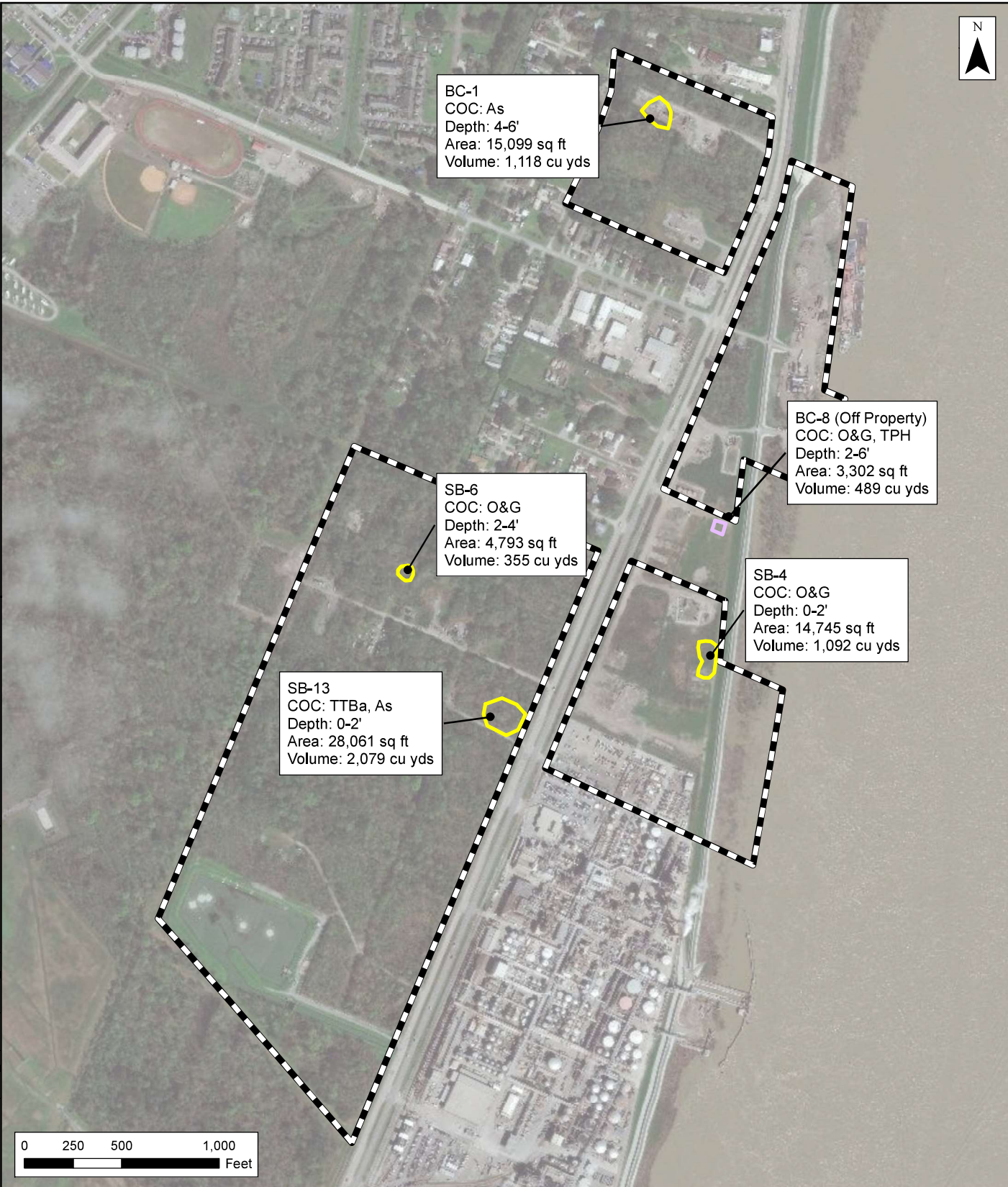





ICON C-Zone MW
 Property

Well ID	Screen
Constituent	ERM Result/ICON Result

Figure 104
GW Results - C Zone
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

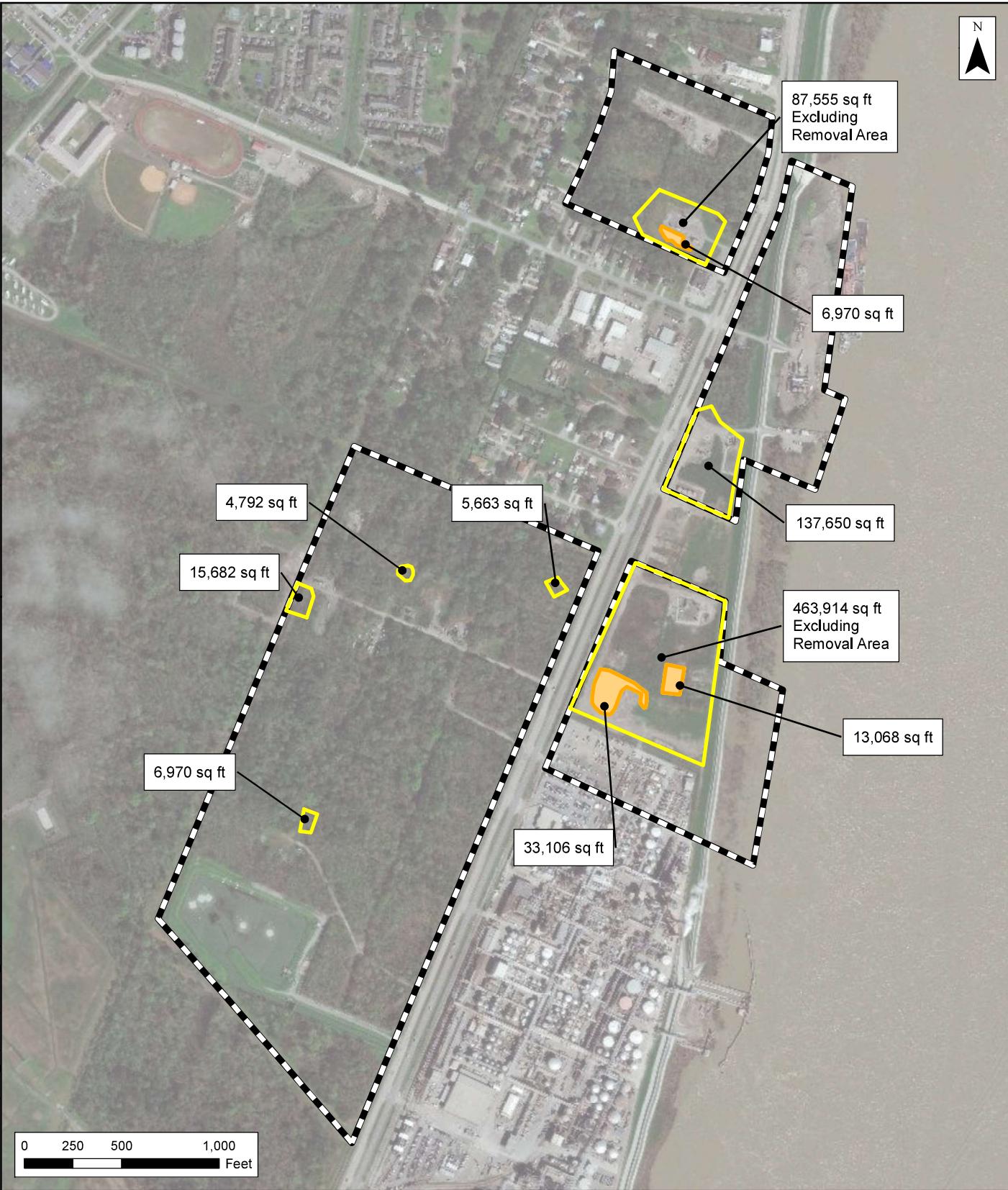
Notes:
 All Arsenic, Barium, Benzene, Chloride, and Radium 226 + 228 results shown.
 Yellow cells indicate further evaluation is warranted per RECAP Screening Option.
 NA - Not Analyzed, ND - Non-Detect, NYR - Not yet recorded
 Imagery Basemap via ArcGIS Online.



-  Property
-  Soil Removal Area
-  Soil Removal Area (Off Property)

Notes:
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 105
Proposed 29B Metals and Hydrocarbons Remediation Areas
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana



Property

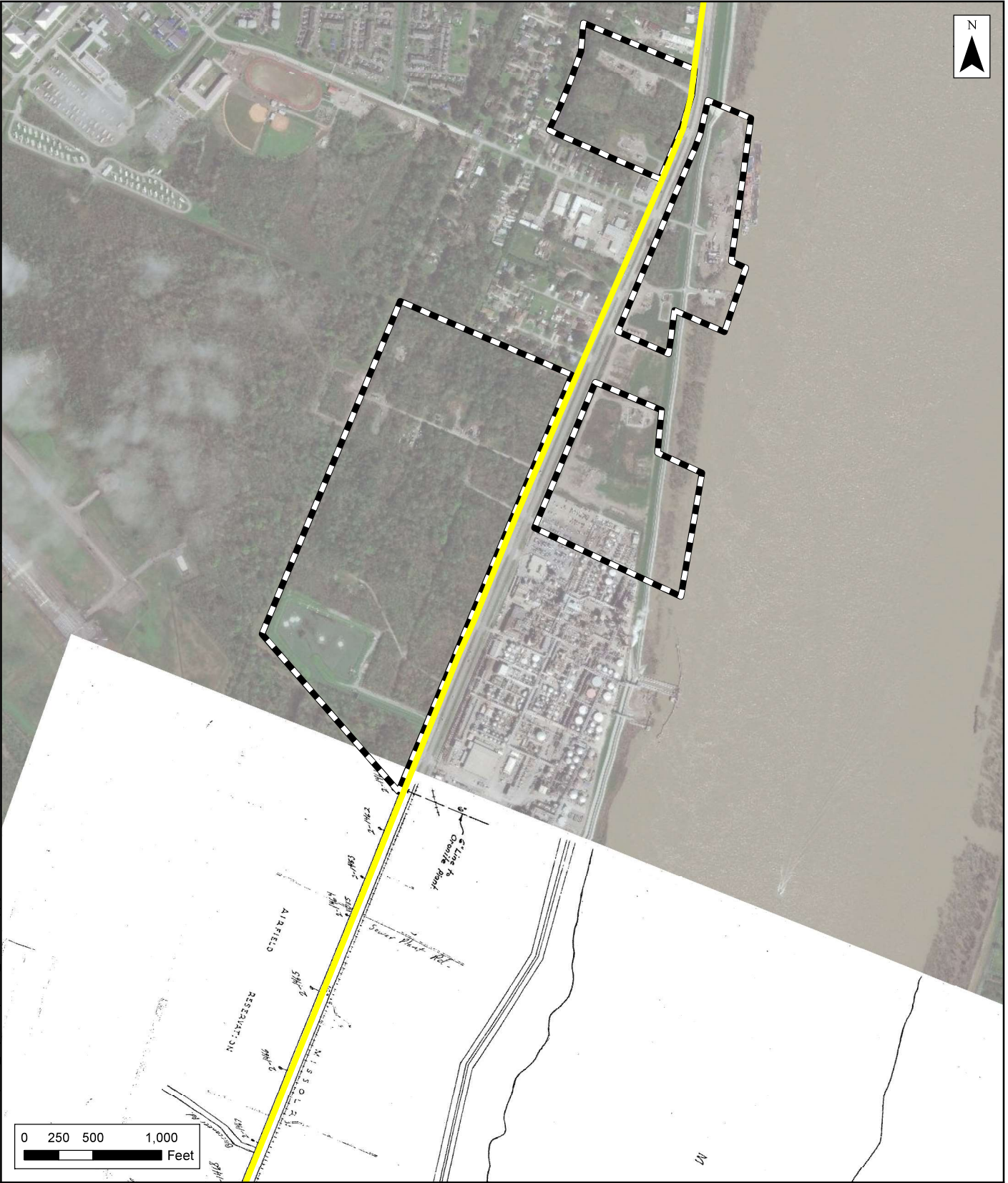
ERM Potential Salt Remediation Area

Soil Treatment Area

Soil Removal Area

Notes:
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

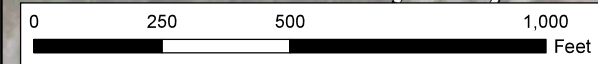
Figure 106
Proposed 29B Salt Remediation Areas
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana







-  Property
-  Plaquemines Parish Water Line

Notes:
 Water line map received from Inframark 8/11/2020.
 It is confirmed that the line extends north past property line along LA-23.
 Imagery Basemap via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

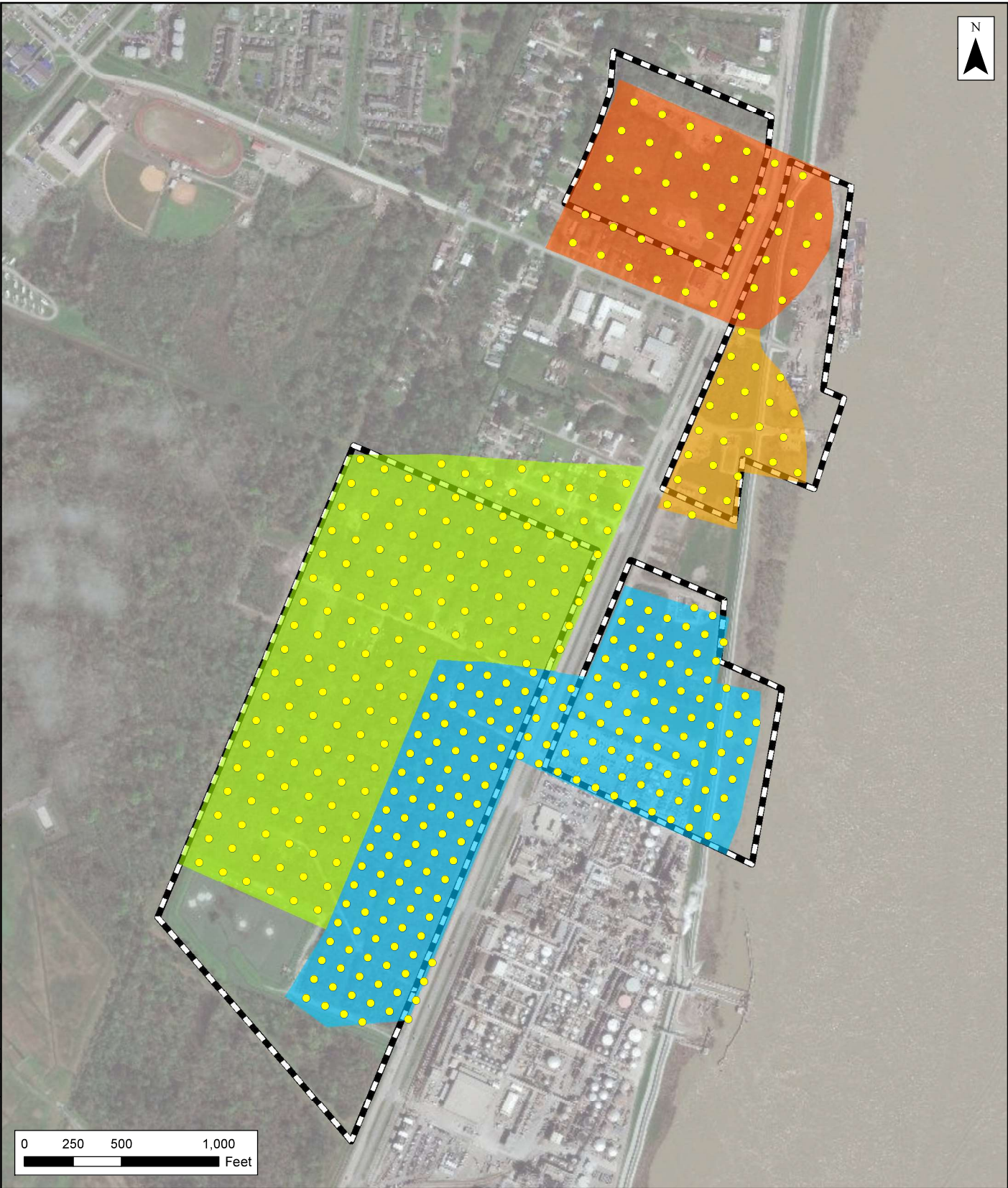
Figure 107
Public Supply Water Lines
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana



-  Property
-  ERM B-Zone Well
-  ICON B-Zone Well
-  ICON Proposed GW Zone B Remediation Area

Notes:
 Basemap Imagery via ArcGIS Online.
 Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 108
Proposed Wells for Groundwater Monitoring
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana

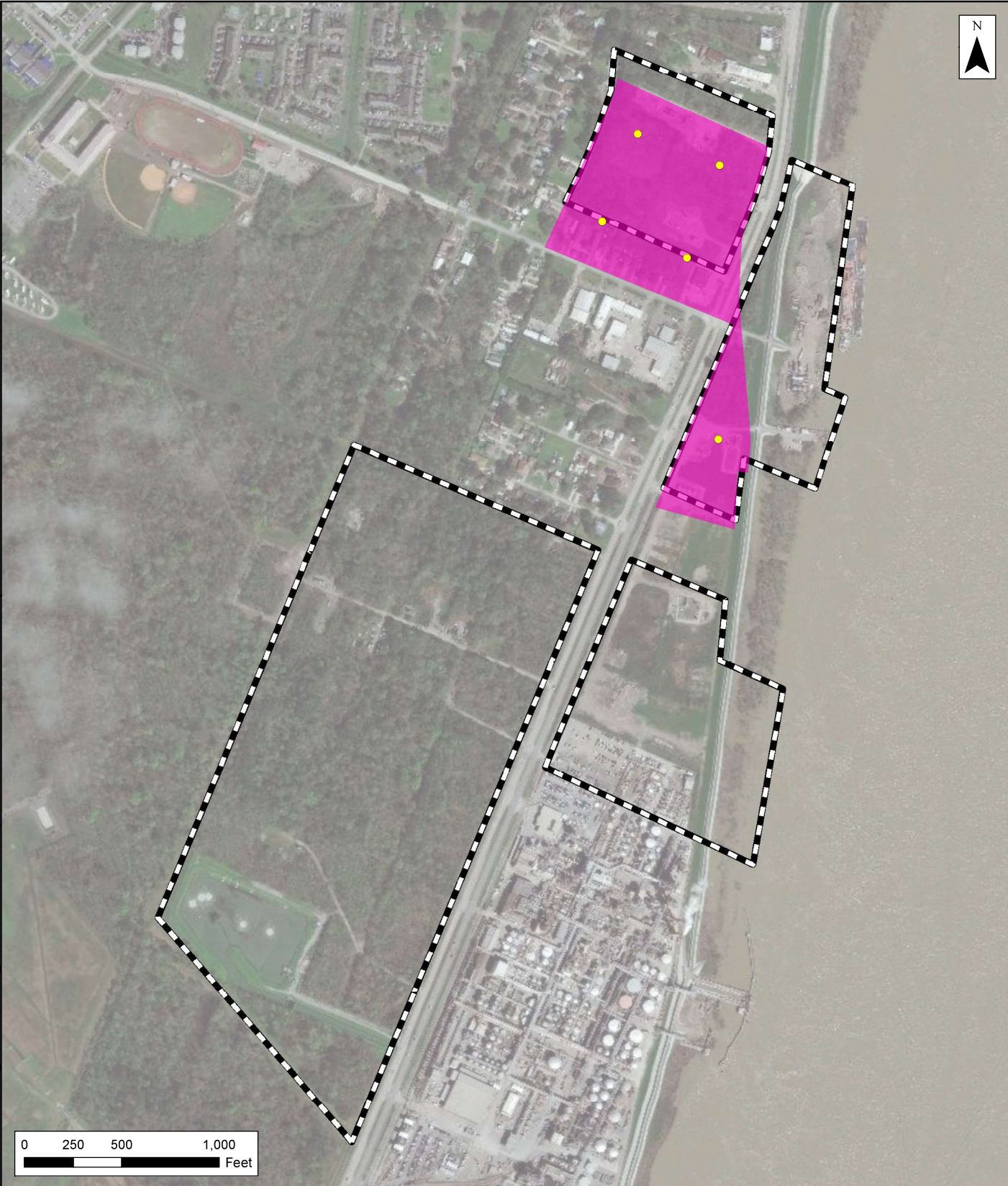



- Property
- ICON GW Zone A Recovery Well
- ICON GW Zone A**
- AOI - 1
- AOI - 2
- AOI - 3
- AOI - 4

Notes:
 Number of recovery wells based on ICON's Expert Report and Restoration Plan.
 Basemap Imagery via ArcGIS Online.

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 109
ICON GW Zone A Recovery Wells
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana



-  Property
-  ICON GW Zone B Recovery Well
-  ICON GW Zone B

Notes:
 Number of recovery wells based on ICON's Expert Report and Restoration Plan.
 Basemap Imagery via ArcGIS Online.

Source: Esri - ArcGIS Online; NAD 1983 UTM Zone 15N

Figure 110
ICON GW Zone B Recovery Wells
 Hero Lands Company, L.L.C. vs.
 Chevron U.S.A. Inc., et al.
 Stella Oil & Gas Field
 Plaquemines Parish, Louisiana