



Sample ID /Depth	Sample Date	Sampler	Salinity		Metals		
			ESP	SAR	Total Barium	True Total Barium	SPLP Barium
			%	N/A	mg/Kg	mg/Kg	mg/L
LDNR Standards ¹	N/A	N/A	<15	<12	N/A	40000	N/A
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	550	N/A	40 ³
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	N/A	5500	N/A	N/A
SB-2R (0-2')	04/21/21	Approach	10.7	12.7	106	<500	—
SB-2R (0-2')	04/21/21	HET	17.3	13.1	49.4	129	—
SB-2 (8-10')	08/10/20	Approach	34.2	19.0	2390	17100	—
SB-2R (8-10')	04/21/21	Approach	20.3	18.2	261	3770	<0.250
SB-2R (8-10')	04/21/21	HET	—	—	—	2700	6.90

Sample ID / Depth	Sample Date	Sampler	Salinity	
			ESP	SAR
			%	N/A
LDNR Standards ¹	N/A	N/A	<15	<12
HET MW-1 (0-2')	07/20/21	HET	—	—
HET MW-1 (0-2')	07/20/21	Approach	0.505	0.300
HET MW-1 (6-8')	07/20/21	HET	31.0	5.88
HET MW-1 (6-8')	07/20/21	Approach	17.7	15.5
HET MW-1 (10-12')	07/20/21	HET	30.5	6.28
HET MW-1 (10-12')	07/20/21	Approach	19.2	24.2
HET MW-1 (22-24')	07/20/21	HET	4.09	1.27
HET MW-1 (22-24')	07/20/21	Approach	3.88	2.34

Sample ID / Depth	Sample Date	Sampler	Salinity	
			ESP	SAR
			%	N/A
LDNR Standards ¹	N/A	N/A	<15	<12
HET MW-3 (0-2')	07/21/21	HET	—	—
HET MW-3 (0-2')	07/21/21	Approach	0.241	1.36
HET MW-3 (6-8')	07/21/21	HET	39.1	6.05
HET MW-3 (6-8')	07/21/21	Approach	19.4	15.3
HET MW-3 (10-12')	07/21/21	HET	42.9	4.01
HET MW-3 (10-12')	07/21/21	Approach	20.8	1.72
HET MW-3 (16-18')	07/21/21	HET	9.88	1.20
HET MW-3 (16-18')	07/21/21	Approach	5.18	0.893
HET MW-3 (18-20')	07/21/21	HET	6.45	1.24
HET MW-3 (18-20')	07/21/21	Approach	4.02	1.27

Sample ID / Depth	Sample Date	Sampler	ESP
			%
LDNR Standards ¹	N/A	N/A	<15
LDEQ RECAP SS ²	N/A	N/A	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A
HET MW-2 (13-15')	07/21/21	HET	15.5
HET MW-2 (13-15')	07/21/21	Approach	9.62
HET MW-2 (14-16')	07/21/21	Approach	9.24
HET MW-2 (24-26')	07/21/21	HET	3.06
HET MW-2 (24-26')	07/21/21	Approach	1.40

Sample ID / Depth	Sample Date	Sampler	SAR
LDNR Standards ¹	N/A	N/A	<12
SB-1 (14-16')	08/10/20	Approach	10.6
SB-1 (18-20')	08/10/20	Approach	18.1

- Explanation**
- Jack R. Gamble, Jr., LLC Property Boundary
 - HET Monitor Well Locations
 - HET Boring Locations
 - Approach Monitor Well Locations
 - Approach Boring Locations
 - Approximate Reserve Pit Locations

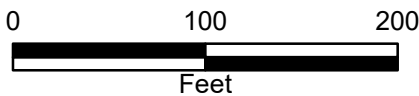


Figure G.3. Soil concentration map of constituents in exceedance of Statewide Order 29-B and/or RECAP screening standards in the vicinity of Serial No. 239274 on the Gamble property subject to litigation. Base Map: 2022 ESRI Aerial

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07/07/2023
Date

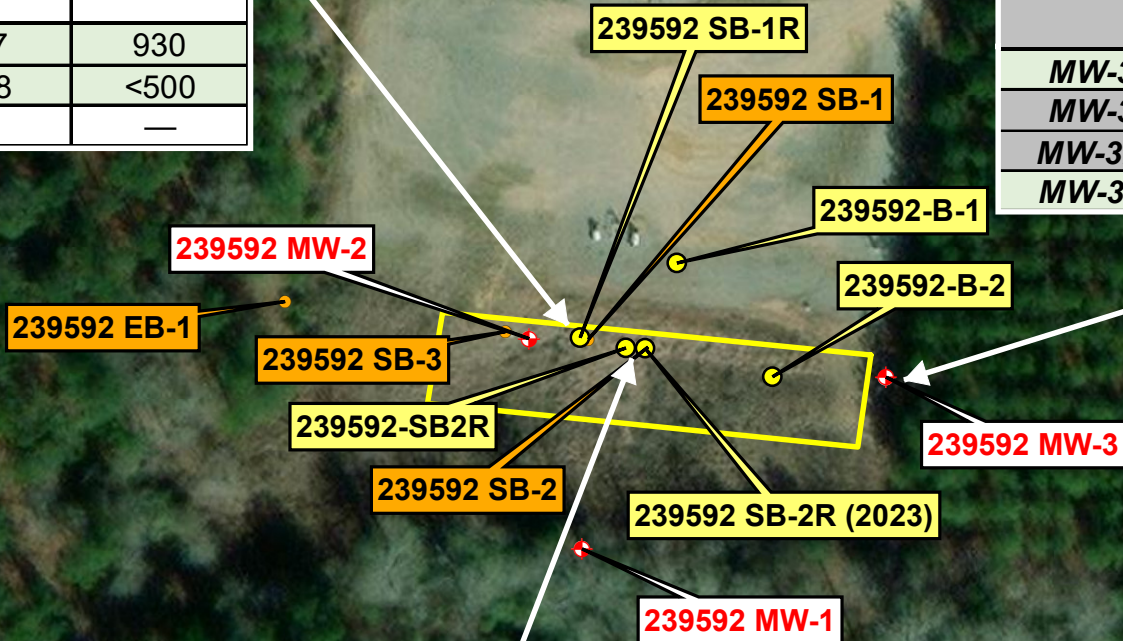
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ENVIRONMENTAL CONSULTANTS
620 Apollo Road
Scott, LA 70583
(337) 261-1963





Sample ID / Depth	Sample Date	Sampler	Metals		
			Total Arsenic	Total Barium	True Total Barium
			mg/Kg	mg/Kg	mg/Kg
LDNR Standards ¹	N/A	N/A	10	N/A	40000
LDEQ RECAP SS ²	N/A	N/A	12	550	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	12	5500	N/A
SB-1 (10-12')	08/11/20	Approach	12.1	267	930
SB-1R (10-12')	04/20/21	Approach	2.65	18.8	<500
SB-1R (10-12')	04/20/21	HET	0.990	—	—

Sample ID / Depth	Sample Date	Sampler	Metals		
			Total Arsenic	Total Barium	True Total Barium
			mg/Kg	mg/Kg	mg/Kg
MW-3 (8-10')	10/27/21	Approach	5.56	84.7	803
MW-3 (8-10')	10/27/21	HET	14.5	235	2580
MW-3R (8-10')	02/06/23	HET	3.58	--	--
MW-3 (10-12')	10/27/21	Approach	4.95	26.4	<500



Sample ID / Depth	Sample Date	Sampler	Metals		
			Total Arsenic	Total Barium	True Total Barium
			mg/Kg	mg/Kg	mg/Kg
SB-2 (8-10')	08/11/20	Approach	<2.00	733	<500
SB-2R (8-10')	04/20/21	Approach	4.85	1230	3490
SB-2R (8-10')	04/20/21	HET	—	—	756
239592 SB-2R (8-10)	06/19/23	HET	—	389	—

Explanation	
	Jack R. Gamble, Jr., LLC Property Boundary
	HET Monitor Well Locations
	HET Boring Locations
	Approach Monitor Well Locations
	Approach Boring Locations
	Approximate Reserve Pit Locations

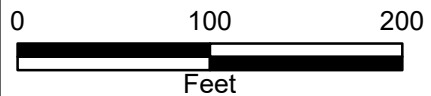


Figure G.2. Soil concentration map of constituents in exceedance of Statewide Order 29-B and/or RECAP screening standards in the vicinity of Serial No. 239592 on the Gamble property subject to litigation. Base Map: 2022 ESRI Aerial

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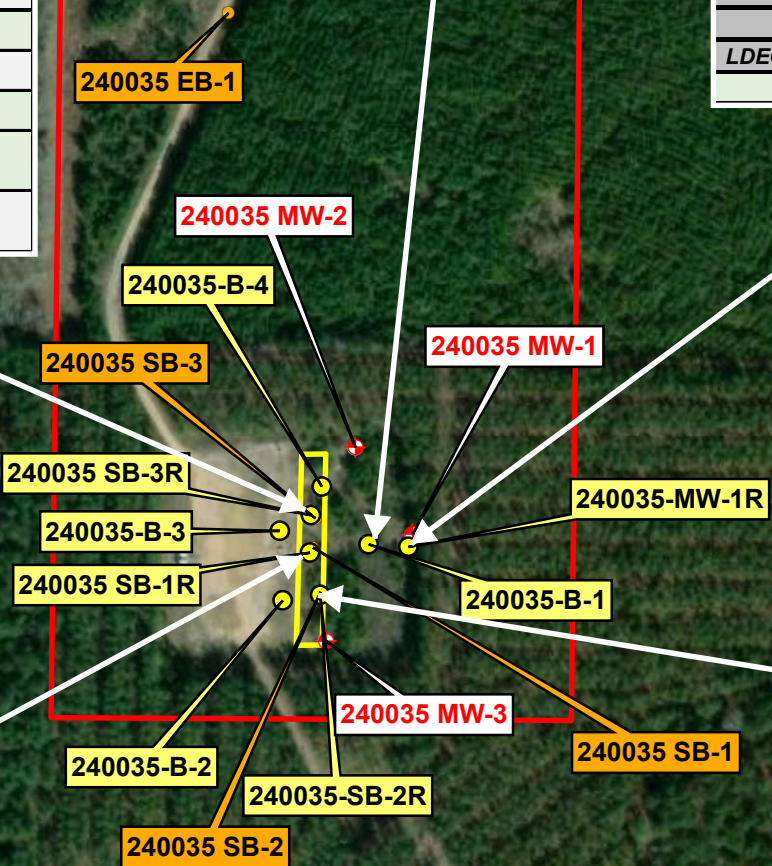


Sample ID / Depth	Sample Date	Sampler	SAR	Hydrocarbons				Metals	
				TPH-DRO (C10-C28)	TPH-ORO (>C28)	VPH	EPH	Total Barium	True Total Barium
			N/A	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LDNR Standards ¹	N/A	N/A	<12	N/A	N/A	N/A	N/A	N/A	40000
LDEQ RECAP SS ²	N/A	N/A	N/A	65	180	See Table	See Table	550	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	650	1800	See Table	See Table	5500	N/A
SB-3R (0-2')	04/21/21	Approach	1.75	<3.33	6.03	—	—	614	941
SB-3R (0-2')	04/21/21	HET	2.08	—	—	—	—	—	—
SB-3 (2-4')	08/11/20	Approach	12.2	106	<33.3	—	—	220	<500
SB-3R (2-4')	04/21/21	Approach	8.90	85.20	<33.3	Below RECAP SS	Below RECAP SS	158	534
SB-3R (2-4')	04/21/21	HET	—	—	—	Below RECAP SS	Below RECAP SS	—	—

Sample ID / Depth	Sample Date	Sampler	Total Barium
LDNR Standards ¹	N/A	N/A	N/A
LDEQ RECAP SS ²	N/A	N/A	550
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	5500
240035 B-1 (8-10)	6/20/2023	HET	888
240035 B-1 (8-10)	6/20/2023	Approach	306

Sample ID / Depth	Sample Date	Sampler	Metals	
			Total Barium	True Total Barium
			mg/Kg	mg/Kg
LDNR Standards ¹	N/A	N/A	N/A	40000
LDEQ RECAP SS ²	N/A	N/A	550	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	5500	N/A
MW-1 (8-12')	09/09/20	Approach	863	738

Sample ID / Depth	Sample Date	Sampler	SAR	Hydrocarbons				Metals		
				TPH-DRO (C10-C28)	TPH-ORO (>C28)	VPH	EPH	Total Barium	True Total Barium	SPLP Barium
			N/A	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/L
LDNR Standards ¹	N/A	N/A	<12	N/A	N/A	N/A	N/A	N/A	40000	N/A
LDEQ RECAP SS ²	N/A	N/A	N/A	65	180	See Table	See Table	550	N/A	40 ³
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	650	1800	See Table	See Table	5500	N/A	N/A
SB-1R (0-2')	04/21/21	Approach	0.25	<3.33	3.92	—	—	129	<500	—
SB-1R (0-2')	04/21/21	HET	0.00	—	—	—	—	429	164	—
SB-1 (8-10')	08/10/20	Approach	5.59	83.8	<33.3	—	—	2380	5200	—
SB-1R (8-10')	04/21/21	Approach	4.28	295	49.8	—	—	1650	<500	0.43
SB-1R (8-10')	04/21/21	HET	—	—	—	—	—	—	376	<1.0
SB-1RR (8-10')	07/22/21	Approach	—	178	77.6	—	Below RECAP SS	—	—	—
SB-1RR (8-10')	07/22/21	HET	—	—	—	Below RECAP SS	Below RECAP SS	—	—	—
SB-1 (14-16')	08/10/20	Approach	2.35	—	—	—	—	—	—	—



Sample ID / Depth	Sample Date	Sampler	Total Barium
LDNR Standards ¹	N/A	N/A	N/A
LDEQ RECAP SS ²	N/A	N/A	550
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	5500
240035 SB-2R (8-10)	6/20/2023	HET	872
240035 SB-2R (8-10)	6/20/2023	Approach	29.3

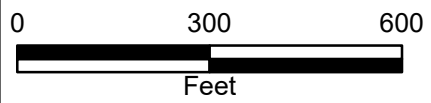


Figure G.5. Soil concentration map of constituents in exceedance of Statewide Order 29-B and/or RECAP screening standards in the vicinity of Serial No. 240035 on the Gamble property subject to litigation. Base Map: 2022 ESRI Aerial

Explanation

Jack R. Gamble, Jr., LLC Property Boundary

HET Monitor Well Locations

HET Boring Locations

Approach Monitor Well Locations

Approach Boring Locations

Approximate Reserve Pit Locations

DJB
Drawn By

WAP
Approved By

8070.00
Project No.

07/07/2023
Date

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ENVIRONMENTAL CONSULTANTS
620 Apollo Road
Scott, LA 70583
(337) 261-1963



Sample ID / Depth	Sample Date	Sampler	Salinity			Metals		Hydrocarbons	
			EC	ESP	SAR	Total Barium	True Total Barium	TPH-DRO (C10-C28)	VPH & EPH
			mmhos/cm	%	N/A	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LDNR Standards ¹	N/A	N/A	<4	<15	<12	N/A	40000	N/A	N/A
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	N/A	550	N/A	65	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	N/A	N/A	5500	N/A	650	See summary table
SB-1R (0-2')	04/20/21	Approach	0.424	0.228	0.404	601	<500	—	—
SB-1R (0-2')	04/20/21	HET	<1.0	<0.10	0.172	—	—	—	—
SB-1 (4-6')	08/12/20	Approach	5.20	4.49	11.2	68.5	9750	<3.33	—
SB-1 (6-8')	08/12/20	Approach	5.92	8.77	13.6	915	12600	203	Below RECAP
SB-1R (6-8')	04/20/21	Approach	3.12	19.1	33.6	145	568	32	Below RECAP
SB-1R (6-8')	04/20/21	HET	—	—	—	—	—	—	Below RECAP
SB-1R (8-10')	04/20/21	Approach	2.36	52.4	54.1	188	535	34.3	Below RECAP
SB-1R (8-10')	04/20/21	HET	<1.0	—	—	—	—	—	Below RECAP
SB-1 (12-14')	08/12/20	Approach	1.70	4.92	10.2	—	—	—	—
SB-1R (12-14')	04/20/21	Approach	1.33	3.59	5.34	32.6	<500	—	Below RECAP
SB-1R (12-14')	04/20/21	HET	—	—	—	—	—	—	Below RECAP

Sample ID /Depth	Sample Date	Sampler	Metals	
			Total Barium	True Total Barium
			mg/Kg	mg/Kg
LDNR Standards ¹	N/A	N/A	N/A	40000
MW-2 (0-2')	10/27/21	Approach	404	<500
MW-2 (0-2')	10/27/21	HET	628	811
MW-2 (4-6')	10/27/21	Approach	—	—
MW-2 (4-6')	10/27/21	HET	—	—
MW-2 (6-8')	10/27/21	Approach	29.6	<500
MW-2 (6-8')	10/27/21	HET	51.6	<100
MW-2 (8-10')	10/27/21	Approach	13.4	<500
MW-2 (8-10')	10/27/21	HET	69.3	<100

Sample ID / Depth	Sample Date	Sampler	Salinity			Metals		Hydrocarbons	
			EC	ESP	SAR	Total Barium	True Total Barium	TPH-DRO (C10-C28)	VPH & EPH
			mmhos/cm	%	N/A	mg/Kg	mg/Kg	mg/Kg	mg/Kg
SB-2 (8-10')	08/12/20	Approach	2.59	17.8	29.3	1060	5670	45.3	Below
SB-2R (8-10')	04/20/21	Approach	1.42	10.6	14.2	1920	3020	280	Below
SB-2R (8-10')	04/20/21	HET	—	—	—	—	2130	—	Below
SB-2 (10-12')	08/12/20	Approach	2.83	10.6	37.6	—	—	138	Below
240037 SB-2R (0-2)	06/20/23	HET	—	—	—	229	—	—	—
240037 SB-2R (0-2)	06/20/23	Approach	—	—	—	125	—	—	—
240037 SB-2R (6-8)	06/20/23	HET	—	—	—	51.9	—	—	—
240037 SB-2R (6-8)	06/20/23	Approach	—	—	—	50.2	—	—	—
240037 SB-2R (8-10)	06/20/23	HET	—	—	—	668	—	—	—
240037 SB-2R (8-10)	06/20/23	Approach	—	—	—	185	—	—	—
240037 SB-2R (10-12)	06/20/23	HET	—	—	—	77.7	—	—	—
240037 SB-2R (10-12)	06/20/23	Approach	—	—	—	33.2	—	—	—

Sample ID / Depth	Sample Date	Sampler	ESP %
LDNR Standards ¹	N/A	N/A	<15
MW-3 (0-2')	10/27/21	Approach	—
MW-3 (0-2')	10/27/21	HET	—
MW-3 (4-6')	10/28/21	Approach	0.62
MW-3 (4-6')	10/28/21	HET	0.78
MW-3 (6-8')	10/28/21	Approach	1.54
MW-3 (6-8')	10/28/21	HET	1.65
MW-3 (8-10')	10/28/21	Approach	1.97
MW-3 (8-10')	10/28/21	HET	2.82
MW-3 (10-12')	10/28/21	Approach	12.9
MW-3 (10-12')	10/28/21	HET	10.8
MW-3 (14-16')	10/28/21	Approach	67
MW-3 (14-16')	10/28/21	HET	5.12

Explanation

Jack R. Gamble,

HET Monitor Well Locations

HET Boring Locations

Approach Monitor Well Locations

Approach Boring Locations

Approximate Reserve Pit Locations

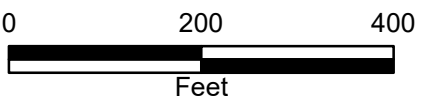
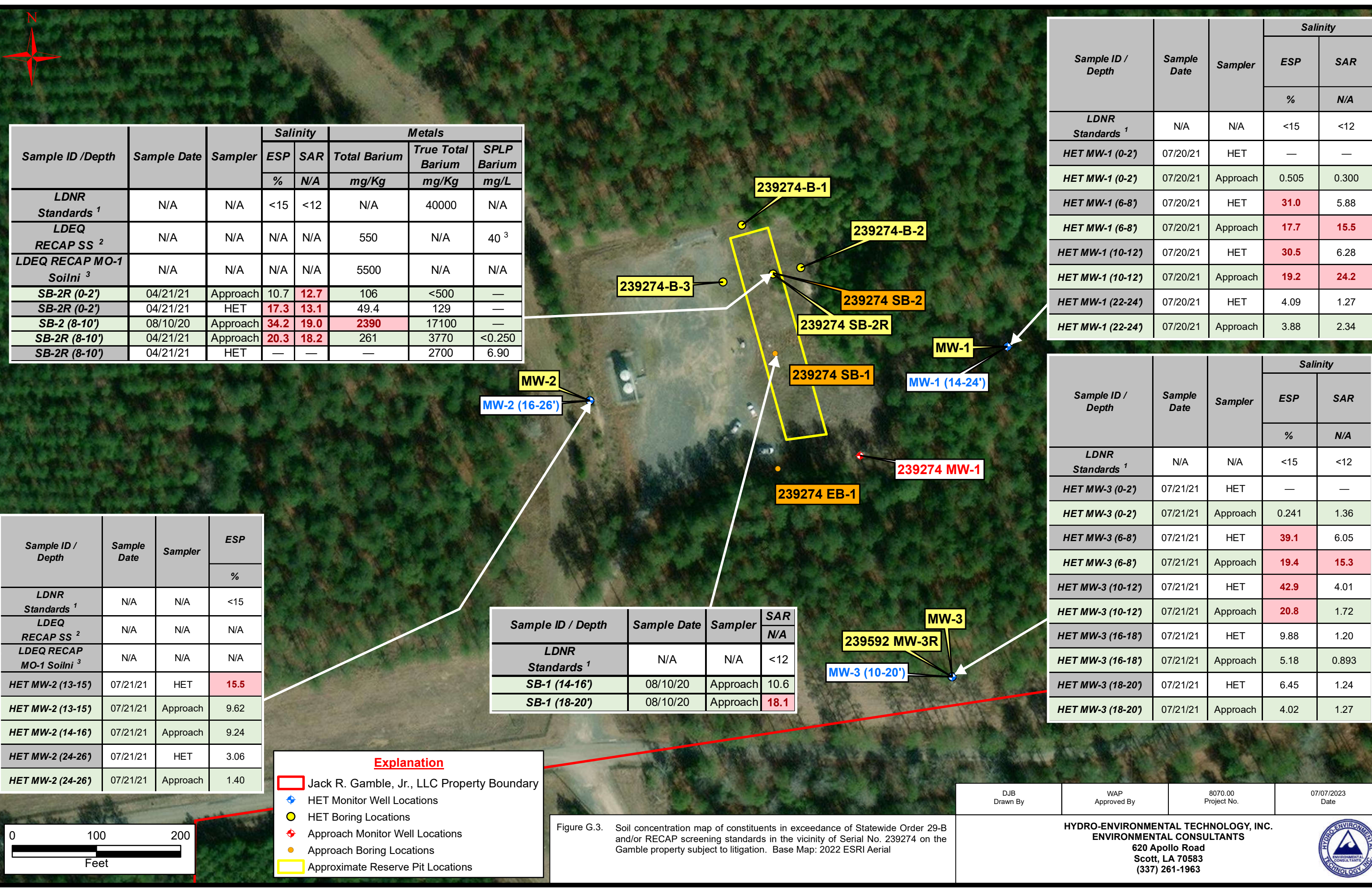


Figure G.4. Soil concentration map of constituents in exceedance of Statewide Order 29-B and/or RECAP screening standards on Well Pad-240037 on the Gamble property located near Longstreet, DeSoto Parish, Louisiana. Base Map: 2020 ESRI Aerial





Sample ID / Depth	Sample Date	Sampler	ESP
			%
LDNR Standards ¹	N/A	N/A	<15
LDEQ RECAP SS ²	N/A	N/A	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A
HET MW-2 (13-15)	07/21/21	HET	15.5
HET MW-2 (13-15)	07/21/21	Approach	9.62
HET MW-2 (14-16)	07/21/21	Approach	9.24
HET MW-2 (24-26)	07/21/21	HET	3.06
HET MW-2 (24-26)	07/21/21	Approach	1.40

	<u>Explanation</u>
	Jack R. Gamble, Jr., LLC Property Boundary
	HET Monitor Well Locations
	HET Boring Locations
	Approach Monitor Well Locations
	Approach Boring Locations
	Approximate Reserve Pit Locations

Sample ID / Depth	Sample Date	Sampler	Salinity	
			ESP	SAR
			%	N/A
LDNR Standards ¹	N/A	N/A	<15	<12
HET MW-3 (0-2)	07/21/21	HET	—	—
HET MW-3 (0-2)	07/21/21	Approach	0.241	1.36
HET MW-3 (6-8)	07/21/21	HET	39.1	6.05
HET MW-3 (6-8)	07/21/21	Approach	19.4	15.3
HET MW-3 (10-12)	07/21/21	HET	42.9	4.01
HET MW-3 (10-12)	07/21/21	Approach	20.8	1.72
HET MW-3 (16-18)	07/21/21	HET	9.88	1.20
HET MW-3 (16-18)	07/21/21	Approach	5.18	0.893
HET MW-3 (18-20)	07/21/21	HET	6.45	1.24
HET MW-3 (18-20)	07/21/21	Approach	4.02	1.27

Figure G.3. Soil concentration map of constituents in exceedance of Statewide Order 29-E and/or RECAP screening standards in the vicinity of Serial No. 239274 on the Gamble property subject to litigation. Base Map: 2022 ESRI Aerial



Sample ID / Depth	Sample Date	Sampler	Metals		
			Total Arsenic	Total Barium	True Total Barium
			mg/Kg	mg/Kg	mg/Kg
LDNR Standards ¹	N/A	N/A	10	N/A	40000
LDEQ RECAP SS ²	N/A	N/A	12	550	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	12	5500	N/A
SB-1 (10-12')	08/11/20	Approach	12.1	267	930
SB-1R (10-12')	04/20/21	Approach	2.65	18.8	<500
SB-1R (10-12')	04/20/21	HET	0.990	—	—

Sample ID / Depth	Sample Date	Sampler	Metals		
			Total Arsenic	Total Barium	True Total Barium
			mg/Kg	mg/Kg	mg/Kg
MW-3 (8-10')	10/27/21	Approach	5.56	84.7	803
MW-3 (8-10')	10/27/21	HET	14.5	235	2580
MW-3R (8-10')	02/06/23	HET	3.58	--	--
MW-3 (10-12')	10/27/21	Approach	4.95	26.4	<500

Sample ID / Depth	Sample Date	Sampler	Metals		
			Total Arsenic	Total Barium	True Total Barium
			mg/Kg	mg/Kg	mg/Kg
SB-2 (8-10')	08/11/20	Approach	<2.00	733	<500
SB-2R (8-10')	04/20/21	Approach	4.85	1230	3490
SB-2R (8-10')	04/20/21	HET	—	—	756
239592 SB-2R (8-10)	06/19/23	HET	—	389	—

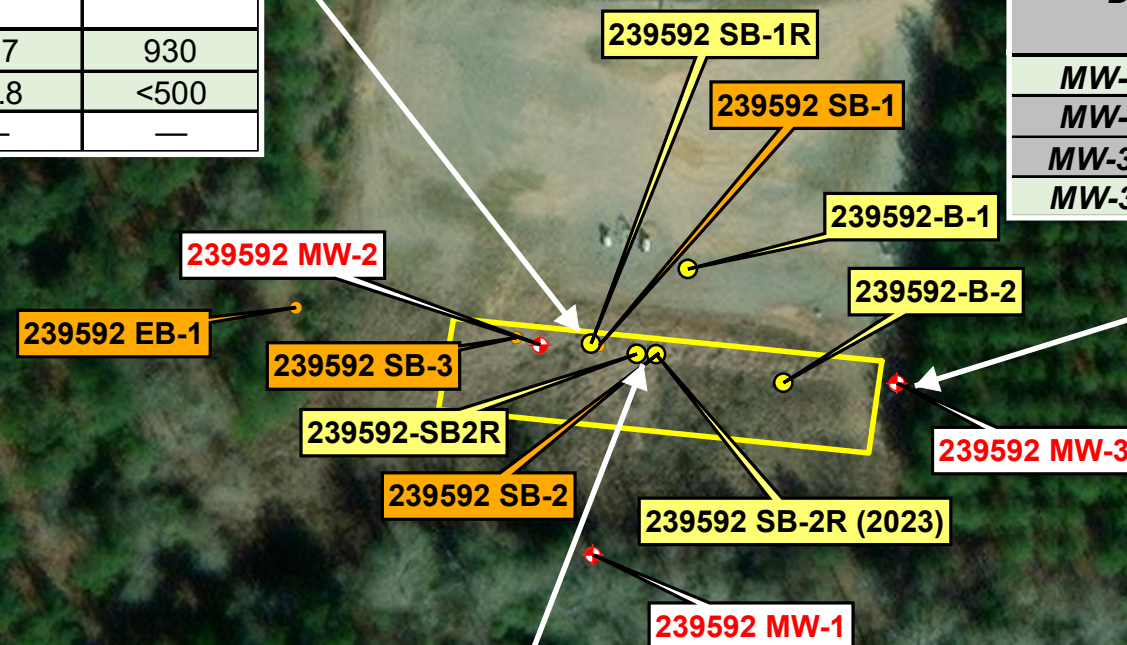


Figure G.2. Soil concentration map of constituents in exceedance of Statewide Order 29-B and/or RECAP screening standards in the vicinity of Serial No. 239592 on the Gamble property subject to litigation. Base Map: 2022 ESRI Aerial

Explanation	
	Jack R. Gamble, Jr., LLC Property Boundary
	HET Monitor Well Locations
	HET Boring Locations
	Approach Monitor Well Locations
	Approach Boring Locations
	Approximate Reserve Pit Locations

DJB
Drawn By

WAP
Approved By

8070.00
Project No.

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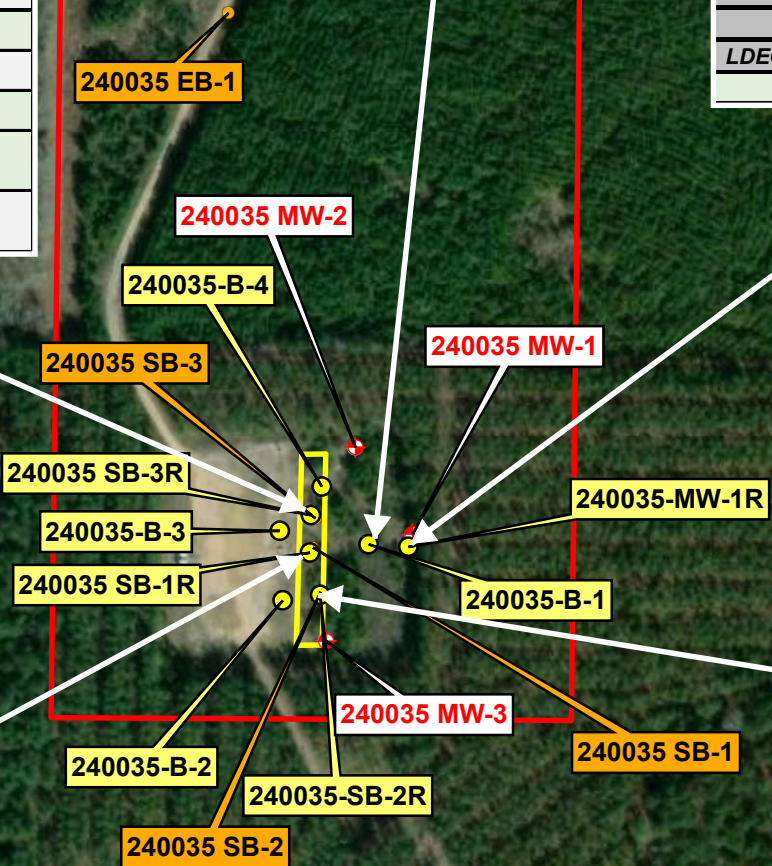


Sample ID / Depth	Sample Date	Sampler	SAR	Hydrocarbons				Metals	
				TPH-DRO (C10-C28)	TPH-ORO (>C28)	VPH	EPH	Total Barium	True Total Barium
			N/A	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LDNR Standards ¹	N/A	N/A	<12	N/A	N/A	N/A	N/A	N/A	40000
LDEQ RECAP SS ²	N/A	N/A	N/A	65	180	See Table	See Table	550	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	650	1800	See Table	See Table	5500	N/A
SB-3R (0-2')	04/21/21	Approach	1.75	<3.33	6.03	—	—	614	941
SB-3R (0-2')	04/21/21	HET	2.08	—	—	—	—	—	—
SB-3 (2-4')	08/11/20	Approach	12.2	106	<33.3	—	—	220	<500
SB-3R (2-4')	04/21/21	Approach	8.90	85.20	<33.3	Below RECAP SS	Below RECAP SS	158	534
SB-3R (2-4')	04/21/21	HET	—	—	—	Below RECAP SS	Below RECAP SS	—	—

Sample ID / Depth	Sample Date	Sampler	Total Barium
LDNR Standards ¹	N/A	N/A	N/A
LDEQ RECAP SS ²	N/A	N/A	550
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	5500
240035 B-1 (8-10)	6/20/2023	HET	888
240035 B-1 (8-10)	6/20/2023	Approach	306

Sample ID / Depth	Sample Date	Sampler	Metals	
			Total Barium	True Total Barium
			mg/Kg	mg/Kg
LDNR Standards ¹	N/A	N/A	N/A	40000
LDEQ RECAP SS ²	N/A	N/A	550	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	5500	N/A
MW-1 (8-12')	09/09/20	Approach	863	738

Sample ID / Depth	Sample Date	Sampler	SAR	Hydrocarbons				Metals		
				TPH-DRO (C10-C28)	TPH-ORO (>C28)	VPH	EPH	Total Barium	True Total Barium	SPLP Barium
			N/A	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/L
LDNR Standards ¹	N/A	N/A	<12	N/A	N/A	N/A	N/A	N/A	40000	N/A
LDEQ RECAP SS ²	N/A	N/A	N/A	65	180	See Table	See Table	550	N/A	40 ³
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	650	1800	See Table	See Table	5500	N/A	N/A
SB-1R (0-2')	04/21/21	Approach	0.25	<3.33	3.92	—	—	129	<500	—
SB-1R (0-2')	04/21/21	HET	0.00	—	—	—	—	429	164	—
SB-1 (8-10')	08/10/20	Approach	5.59	83.8	<33.3	—	—	2380	5200	—
SB-1R (8-10')	04/21/21	Approach	4.28	295	49.8	—	—	1650	<500	0.43
SB-1R (8-10')	04/21/21	HET	—	—	—	—	—	—	376	<1.0
SB-1RR (8-10')	07/22/21	Approach	—	178	77.6	—	Below RECAP SS	—	—	—
SB-1RR (8-10')	07/22/21	HET	—	—	—	Below RECAP SS	Below RECAP SS	—	—	—
SB-1 (14-16')	08/10/20	Approach	2.35	—	—	—	—	—	—	—



Sample ID / Depth	Sample Date	Sampler	Total Barium
LDNR Standards ¹	N/A	N/A	N/A
LDEQ RECAP SS ²	N/A	N/A	550
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	5500
240035 SB-2R (8-10)	6/20/2023	HET	872
240035 SB-2R (8-10)	6/20/2023	Approach	29.3

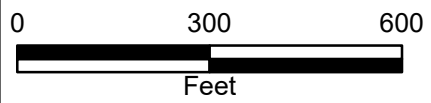


Figure G.5. Soil concentration map of constituents in exceedance of Statewide Order 29-B and/or RECAP screening standards in the vicinity of Serial No. 240035 on the Gamble property subject to litigation. Base Map: 2022 ESRI Aerial

Explanation

Jack R. Gamble, Jr., LLC Property Boundary

HET Monitor Well Locations

HET Boring Locations

Approach Monitor Well Locations

Approach Boring Locations

Approximate Reserve Pit Locations

DJB
Drawn By

WAP
Approved By

8070.00
Project No.

07/07/2023
Date

HYDRO-ENVIRONMENTAL TECHNOLOGY, INC.
ENVIRONMENTAL CONSULTANTS
620 Apollo Road
Scott, LA 70583
(337) 261-1963



Sample ID / Depth	Sample Date	Sampler	Salinity			Metals		Hydrocarbons	
			EC	ESP	SAR	Total Barium	True Total Barium	TPH-DRO (C10-C28)	VPH & EPH
			mmhos/cm	%	N/A	mg/Kg	mg/Kg	mg/Kg	mg/Kg
LDNR Standards ¹	N/A	N/A	<4	<15	<12	N/A	40000	N/A	N/A
LDEQ RECAP SS ²	N/A	N/A	N/A	N/A	N/A	550	N/A	65	N/A
LDEQ RECAP MO-1 Soilni ³	N/A	N/A	N/A	N/A	N/A	5500	N/A	650	See summary table
SB-1R (0-2')	04/20/21	Approach	0.424	0.228	0.404	601	<500	—	—
SB-1R (0-2')	04/20/21	HET	<1.0	<0.10	0.172	—	—	—	—
SB-1 (4-6')	08/12/20	Approach	5.20	4.49	11.2	68.5	9750	<3.33	—
SB-1 (6-8')	08/12/20	Approach	5.92	8.77	13.6	915	12600	203	Below RECAP
SB-1R (6-8')	04/20/21	Approach	3.12	19.1	33.6	145	568	32	Below RECAP
SB-1R (6-8')	04/20/21	HET	—	—	—	—	—	—	Below RECAP
SB-1R (8-10')	04/20/21	Approach	2.36	52.4	54.1	188	535	34.3	Below RECAP
SB-1R (8-10')	04/20/21	HET	<1.0	—	—	—	—	—	Below RECAP
SB-1 (12-14')	08/12/20	Approach	1.70	4.92	10.2	—	—	—	—
SB-1R (12-14')	04/20/21	Approach	1.33	3.59	5.34	32.6	<500	—	Below RECAP
SB-1R (12-14')	04/20/21	HET	—	—	—	—	—	—	Below RECAP

Sample ID /Depth	Sample Date	Sampler	Metals	
			Total Barium	True Total Barium
			mg/Kg	mg/Kg
LDNR Standards ¹	N/A	N/A	N/A	40000
MW-2 (0-2')	10/27/21	Approach	404	<500
MW-2 (0-2')	10/27/21	HET	628	811
MW-2 (4-6')	10/27/21	Approach	—	—
MW-2 (4-6')	10/27/21	HET	—	—
MW-2 (6-8')	10/27/21	Approach	29.6	<500
MW-2 (6-8')	10/27/21	HET	51.6	<100
MW-2 (8-10')	10/27/21	Approach	13.4	<500
MW-2 (8-10')	10/27/21	HET	69.3	<100

Sample ID / Depth	Sample Date	Sampler	Salinity			Metals		Hydrocarbons	
			EC	ESP	SAR	Total Barium	True Total Barium	TPH-DRO (C10-C28)	VPH & EPH
			mmhos/cm	%	N/A	mg/Kg	mg/Kg	mg/Kg	mg/Kg
SB-2 (8-10')	08/12/20	Approach	2.59	17.8	29.3	1060	5670	45.3	Below
SB-2R (8-10')	04/20/21	Approach	1.42	10.6	14.2	1920	3020	280	Below
SB-2R (8-10')	04/20/21	HET	—	—	—	—	2130	—	Below
SB-2 (10-12')	08/12/20	Approach	2.83	10.6	37.6	—	—	138	Below
240037 SB-2R (0-2)	06/20/23	HET	—	—	—	229	—	—	—
240037 SB-2R (0-2)	06/20/23	Approach	—	—	—	125	—	—	—
240037 SB-2R (6-8)	06/20/23	HET	—	—	—	51.9	—	—	—
240037 SB-2R (6-8)	06/20/23	Approach	—	—	—	50.2	—	—	—
240037 SB-2R (8-10)	06/20/23	HET	—	—	—	668	—	—	—
240037 SB-2R (8-10)	06/20/23	Approach	—	—	—	185	—	—	—
240037 SB-2R (10-12)	06/20/23	HET	—	—	—	77.7	—	—	—
240037 SB-2R (10-12)	06/20/23	Approach	—	—	—	33.2	—	—	—

Sample ID / Depth	Sample Date	Sampler	ESP %
LDNR Standards ¹	N/A	N/A	<15
MW-3 (0-2')	10/27/21	Approach	—
MW-3 (0-2')	10/27/21	HET	—
MW-3 (4-6')	10/28/21	Approach	0.62
MW-3 (4-6')	10/28/21	HET	0.78
MW-3 (6-8')	10/28/21	Approach	1.54
MW-3 (6-8')	10/28/21	HET	1.65
MW-3 (8-10')	10/28/21	Approach	1.97
MW-3 (8-10')	10/28/21	HET	2.82
MW-3 (10-12')	10/28/21	Approach	12.9
MW-3 (10-12')	10/28/21	HET	10.8
MW-3 (14-16')	10/28/21	Approach	67
MW-3 (14-16')	10/28/21	HET	5.12

Explanation

Jack R. Gamble,

HET Monitor Well Locations

HET Boring Locations

Approach Monitor Well Locations

Approach Boring Locations

Approximate Reserve Pit Locations

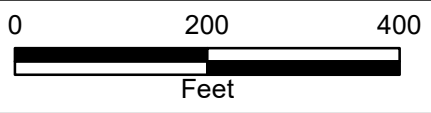


Figure G.4. Soil concentration map of constituents in exceedance of Statewide Order 29-B and/or RECAP screening standards on Well Pad-240037 on the Gamble property located near Longstreet, DeSoto Parish, Louisiana. Base Map: 2020 ESRI Aerial

