Figure 1  Site Location

East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

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Baton Rouge, Louisiana  New Orleans, Louisiana  Houston, Texas

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Figure 2 - USGS Topographic Map

Legend

Section 16 Township 15 S Range 01 E

Notes:
USGS Topographic Map
Approximate Section Lines

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Figure 3 - Elevation Model

Legend
- LiDAR
- Elevation (ft MSL)
  - 5.4
  - -0.95

East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

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Figure 4 - LDEQ Drainage Basin Subsegment

LDEQ Drainage Basin Subsegment # 050703
White Lake

Designated Uses:
A - Primary Contact Recreation
B - Secondary Contact Recreation
C - Fish and Wildlife Propogation
F - Agriculture

Selected Numerical Criteria:
Chloride - 250 mg/L
TDS - 500 mg/L

Legend

Section 16 Township 15 S Range 01 E
Drainage Basin Subsegment
Surface Water Feature


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Figure 5 - FEMA 100-Year Floodplain

Digital Q3 flood data provided by FEMA (http://msc.fema.gov)
Imagery basemap via ArcGis Online
Figure 7 - US Army Corps of Engineers Surface Water Monitoring Locations

Legend

- US Army Corps of Engineers Surface Water Monitoring Station
- Property Line (Section 16)

S10-Green's Canal
S9-Green's Canal
S2-Schooner Bayou C.S. (West)
S3-Schooner Bayou C.S. (East)

Drawn: MMH
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Figure 12 - USDA Surface Soil Types

Legend

- Water
- Allemands Mucky Peat
- Aquents, Frequently Flooded
- Larose Mucky Clay

Soil data from USDA Soil Data Mart (http://soildatamart.nrcs.usda.gov)
Imagery basemap via ArcGIS Online.
Vegetation Types in Coastal Louisiana in 2007

By Charles E. Sassier, Jennifer M. Voyer, Edmund Mouton, Jeb Lescombes, and Steve B. Hurley

Methodology

Vegetation mapping was conducted using aerial photography, field observations, and remote sensing data. The maps were created using GIS software and show the distribution and abundance of different vegetation types across Coastal Louisiana. The maps were validated through on-ground verification and compared with satellite imagery to ensure accuracy.

Acknowledgments

The authors would like to thank the USGS for providing the aerial photography data, and the Louisiana Department of Natural Resources for supporting the fieldwork.

References


Figure 13 - Vegetation Map

East White Lake Oil & Gas Field
Terrebonne Parish, Louisiana

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Source USGS
Figure 16 - Regional Geologic Cross Sections
East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Source: Ground Water Conditions in Southwestern Louisiana, 1961 & 1962
(With a Discussion of the Chicot Aquifer in the Coastal Area),
Figure 18 - LDNR Registered Water Wells

Legend

- Domestic
- Irrigation
- Monitor
- Plugged and Abandoned
- Unknown

Note:
1) Water well data from LDNR SONRIS database
2) Imagery from 2013 USDA Aerial

Legend

Section 16 Township 15 S Range 01 E
1 Mile Buffer

Note:
1) Water well data from LDNR SONRIS database
2) Imagery from 2013 USDA Aerial

Figure 18 - LDNR Registered Water Wells

Note:
1) Water well data from LDNR SONRIS database
2) Imagery from 2013 USDA Aerial
Figure 21 - 1935 Aerial Photograph

Source: P2 Energy Solutions
Figure 22 - 1955 Aerial Photograph

Legend

- Section 16 Township 15 S Range 01 E

Source: P2 Energy Solutions
Figure 23 - 1965 Aerial Photograph

Source: P2 Energy Solutions
Figure 24 - 1979 Aerial Photograph

East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Source: P2 Energy Solutions
Figure 25 - 1985 Aerial Photograph

East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Legend

Section 16 Township 15

Source: P2 Energy Solutions
Figure 26 - 1987 Aerial Photograph

Legend

Section 16 Township 15 S Range 01 E

Source: P2 Energy Solutions
Figure 27 - 1998 Aerial Photograph

East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Legend

Section 16 Township 15 S Range 01 E

Source: http://atlas.lsu.edu/rasterdown.html
Figure 29 - 2013 Aerial Photograph

Legend

Section 16 Township 15 S Range 01 E

Source: 2013 USDA Aerial
Legend

- Section 16 Township 15 Range 01 E
- Directional Well Surface Location
- Status 3 Permit Expired/No Product Code
- Status 9 (old Status 63) Salt Water Disposal Wells—Conventional
- Status 10 Producing Well (Oil)
- Status 29 P&A Dry Hole
- Status 30 P&A Producer
- Status 30 P&A Oil Producer
- Status 30 P&A Gas & Condensate Producer
- Status 33 Shut-in Productive Wells—Future Utility (Oil)

Note:
1) Oil & gas well data from LDNR SONRIS database (http://sonris.com).
2) Imagery basemap via ArcGIS Online.
Figure 32 - Soil/Sediment Sample Locations
Northeast Quadrant

Legend
- Section 16 Township 15 S Range 01 E
- ICON Sample Locations
- MP&A Sample Locations

Feet

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0 150 300 450 600

Northeast Quadrant
East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

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Drawn: DAM
Checked: LRC
Date: 9/30/2015
Project 07-47
Figure 33 - Soil/Sediment Sample Locations
Northwest Quadrant

Legend
- Section 16 Township 15 S Range 01 E
- ICON Sample Locations
- MP&A Sample Locations

North White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Drawn: DAM
Checked: LRC
Date: 9/30/2015
Project: 07-47

Designed: JCS

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Legend

Section 16 Township 15 S Range 01 E
ICON Sample Locations
MP&A Sample Locations

Figure 34 - Soil/Sediment Sample Locations
Southeast Quadrant
East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

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Drawn: DAM
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Date: 9/30/2015
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Figure 36 - Surface Water Sample Locations

Legend
- Yellow square: Section 16 Township 15 S Range 01 E
- Green circle: MP&A/ICON Surface Water Sample Location
- Yellow triangle: MP&A Reference Surface Water Sample Location

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Geoamap, CNES, IGP, swisstopo, and the GIS User Community

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Date: 9/30/2015    Project: 07-47
Figure 37 - Groundwater Sample Locations

Legend
- Section 16 Township 15 S Range 01 E
- MP&A Sample Location
- ICON Sample Location
- Existing Water Well, Upper Sand of Chicot Aquifer

* Soil borings identified as MPA-SB-
** Also referred to as AWW1

Source: 2013 Aerial from ESRI

- A. Crouch Well
- J. Guidry Well
- HP-MW-6S
- HP-MW-6D
- WW-1**
- AB19
- AB6
- AB7
- HP-MPA-04-T
- HP-MPA-04-I
- AB5
- AB15
- MW-3
- HP-MPA-01-T
- HP-MW-5D*
- WL-6
- MPA-Ra-1
- AB1
- MPA-Ra-2
- HP-MW-4D*
- SB-1*
- HP-MW-1C
- HP-SB-1-MW-D
- SB-2*
- MW-2
- HP-MPA-09-T
- HP-MPA-09-I
- HP-MPA-07-T
- HP-MPA-07-I
- HP-MPA-08-T
- HP-MPA-08-I
- MW-1
- HP-MPA-05-T
- HP-MPA-05-I
- HP-MPA-06-T
- HP-MPA-06-I
- HP-MPA-03-T
- HP-MPA-03-I
- HP-MPA-02-T
- HP-MPA-02-I
- SB-3*
- AB2
- MPA-Ra-3
- AB3
- P. Hebert Well
- J. Guidry Well
- A. Crouch Well
- WW-1**
- MPA-Ra-3
- HP-MPA-10-T
- HP-MPA-10-I
- HP-MPA-09-T
- HP-MPA-09-I
- HP-MPA-07-T
- HP-MPA-07-I
- HP-MPA-08-T
- HP-MPA-08-I
- MW-1
- HP-MPA-05-T
- HP-MPA-05-I
- HP-MPA-06-T
- HP-MPA-06-I
- HP-MPA-03-T
- HP-MPA-03-I
- HP-MPA-02-T
- HP-MPA-02-I
- SB-3*
- AB2
- MPA-Ra-3
- AB3

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Project: 07-47
Figure 38 - Former Pit Sampling Locations

Legend
- Former_Pit_Sampling_Locations
- Tank Battery B: South Pit
- Completed Pit Remediation Area

Source: 2013 USDA Aerial

Figure 38 - Former Pit Sampling Locations

East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

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Figure 39 - Cross Section Locations
Legend

- Section 16 Township 15 S Range 01 E
- Soil/Sediment Exceedance
- Soil/Sediment Sample Location

Notes:
- 29-B Exceedances: MP&A result / ICON result
- NA - Not Applicable to sample
- O&G - HEM O&G (%)
- As - Arsenic (mg/kg-wet)
- Hg - Mercury (mg/kg-wet)
- Zn - Zinc (mg/kg-wet)
- Source: USDA 2013 Aerial

Figure 42 - Statewide 29-B Standard Exceedances

Soil/Sediment

Notes:
- 29-B Exceedances: MP&A result / ICON result
- NA - Not Applicable to sample
- O&G - HEM O&G (%)
- As - Arsenic (mg/kg-wet)
- Hg - Mercury (mg/kg-wet)
- Zn - Zinc (mg/kg-wet)
- Source: USDA 2013 Aerial
Figure 43 - RECAP Direct Contact Screening Standard Exceedances - Soil/Sediment

Notes:
- RECAP Exceedances: MP&A result / ICON result
- NA- Not analyzed
- Ba-Barium (mg/kg-wet)
- Hg-Mercury (mg/kg-wet)

Source: USDA 2013 Aerial
Figure 45 - RECAP MO-3 Standard
Exceedances - Soil/Sediment

Notes:
RECAP Exceedances: MP&A result / ICON result
NA: Not Analyzed
Total Fractions: A sum of all TPH fraction results (mg/kg wet)
Source: USDA 2013 Aerial

Legend
- Section 16 Township 15 S
  Range 01 E
- Soil/Sediment Exceedance
- Soil/Sediment Sample Location

WL-3 (0-2')
Aromatic C21-C35: 1,370/NA
Total Fractions: 12,880/NA

WL-4 (4-11')
Total Fractions: 12,901/NA
(11-12.5')
Total Fractions: 10,105/NA
Figure 46 - Groundwater Barium Concentrations

Peat Zone

East White Lake Oil & Gas Field

Vermilion Parish, Louisiana

Notes:
Labels show MP&A result (mg/L)/ICON result (mg/L)
(Diss) Refers to dissolved results
NA - Not analyzed
Source: 2013 Aerial from ESRI

Legend
- Section 16 Township 15 S Range 01 E
- ICON Sample Location

Drawn: TGC
Checked: LRC
Date: 9/30/2015
Project: 07-47

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DesIGNED: JCS  Drawn: TGC  Checked: LRC  Date: 9/30/2015  Project: 07-47
Figure 47 - Groundwater Chloride Concentrations
Peat Zone
East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Legend
- Section 16 Township 15 S Range 01 E
- ICON Sample Location

Notes:
Labels show MP&A result (mg/L)/ICON result (mg/L)
NA: Not analyzed
Source: 2013 Aerial from ESRI

AB19

AB5
11/13/2006: NA/14,400

AB6
11/10/2006: NA/3,900

AB15
11/13/2006: NA/7,630

AB7
11/13/2006: NA/6,210

WL-6
1/7/2015: 18,100/16,600

AB2
11/10/2006: NA/2,310

AB3
11/10/2006: NA/2,660
Figure 48 - Groundwater TPH Fractions

Peat Zone

Notes:
Labels show MP&A result (mg/L)
NA - Not analyzed
ND - Not detected (detection limit)
Source: 2013 Aerial from ESRI
Figure 49 - Groundwater Radium Concentrations
East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Notes:
Labels show MP&A result (pCi/L) / ICON result (pCi/L)
NA - Not analyzed
Source: 2013 Aerial from ESRI

Legend
- Section 16 Township 15 S Range 01 E
- ICON Sample Location

<table>
<thead>
<tr>
<th>Location</th>
<th>Ra226</th>
<th>Ra228</th>
<th>Ra226/228</th>
</tr>
</thead>
<tbody>
<tr>
<td>AB1</td>
<td>NA/4.17</td>
<td>NA/1.79</td>
<td>NA/6.96</td>
</tr>
<tr>
<td>AB5</td>
<td>NA/2.44</td>
<td>NA/2.15</td>
<td>NA/4.39</td>
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<tr>
<td>AB19</td>
<td>NA/4.17</td>
<td>NA/1.79</td>
<td>NA/6.96</td>
</tr>
<tr>
<td>AB6</td>
<td>NA/5.81</td>
<td>NA/7.81</td>
<td>NA/12.62</td>
</tr>
<tr>
<td>AB7</td>
<td>NA/17.7</td>
<td>NA/1.15</td>
<td>NA/18.85</td>
</tr>
<tr>
<td>AB2</td>
<td>NA/5.17</td>
<td>NA/1.37</td>
<td>NA/6.54</td>
</tr>
<tr>
<td>AB15</td>
<td>NA/2.05</td>
<td>NA/3.77</td>
<td>NA/5.82</td>
</tr>
<tr>
<td>WL-6</td>
<td>13.9/20.6</td>
<td>10.6/10.9</td>
<td>24.5/31.5</td>
</tr>
<tr>
<td>AB3</td>
<td>NA/5.81</td>
<td>NA/1.13</td>
<td>NA/6.94</td>
</tr>
<tr>
<td>AB4</td>
<td>NA/6.54</td>
<td>NA/1.13</td>
<td>NA/7.67</td>
</tr>
<tr>
<td>AB16</td>
<td>NA/5.81</td>
<td>NA/1.13</td>
<td>NA/6.94</td>
</tr>
</tbody>
</table>

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Project: 07-47
A. Crouch Well
9/1/2010: 0.61/0.517, NA/NA(Diss)

HP-MPA-10-T
10/1/2010: 1.42/NA, 1.02/0.88(Diss)

MW-2
3/5/2010: 1.04/0.943, NA/NA(Diss)

SB-1
5/7/2010: 5.02/4.81, 5.61/NA(Diss)
4/21/2014: 3.32/NA, 3.52/NA(Diss)

HP-MPA-07-T
10/1/2010: 0.61/NA, 0.49/0.47(Diss)

MW-1
3/5/2010: 13.7/15.4, NA/NA(Diss)

HP-MPA-08-T
10/1/2010: 2.04/1.4, 2.17/NA(Diss)

HP-MPA-05-T
9/30/2010: 0.51/0.59, 0.52/NA(Diss)

HP-MPA-02-T
9/29/2010: 0.43/0.46, 0.31/NA(Diss)

HP-MPA-06-T
9/30/2010: 1.21/NA, 0.86/0.72(Diss)

HP-MPA-03-T
10/4/2010: 1.13/NA, 0.69/0.59(Diss)

MW-6S
5/12/2010: 1.1/NA, 0.99/0.702(Diss)

SB-2
5/11/2010: 1.46/1.23, 1.34/0.366(Diss)

HP-MPA-09-T
10/1/2010: 1.59/0.66, 1.62/NA(Diss)

HP-MPA-04-T
9/30/2010: 1.3/NA, 0.84/0.67(Diss)

MW-3
3/5/2010: 6.95/8.96, NA/NA(Diss)

HP-MPA-01-T
9/29/2010: 2.04/NA, 1.45/1.4(Diss)

SB-3
5/12/2010: 6.57/NA, 6.17/4.83(Diss)

P. Hebert Well
9/1/2010: 0.28/0.25, NA/NA(Diss)
4/21/2014: 0.22/NA, 0.24/NA(Diss)

4/21/2014: 0.22/NA, 0.24/NA(Diss)

SB-1
5/11/2010: 1.46/1.23, 1.34/0.366(Diss)

SB-3
5/12/2010: 6.57/NA, 6.17/4.83(Diss)

MW-6S
5/12/2010: 1.1/NA, 0.99/0.702(Diss)

Figure 50 - Groundwater Barium Concentrations
40 foot zone

Notes:
Labels show MP&A result (mg/L)/ICON result (mg/L)
(Diss) Refers to dissolved results
NA - Not analyzed
Source: 2013 Aerial from ESRI
Figure 51 - Groundwater Chloride Concentrations

Notes: Labels show MP&A result (mg/L)/ICON result (mg/L)
NA- Not analyzed
Source: 2013 Aerial from ESRI

Legend
- Section 16 Township 15 S Range 01 E
- ICON Sample Location
- MP&A Sample Location
- Existing Water Well
Figure 53 - Groundwater Radium Concentrations
40 foot zone

Notes:
- Labels show combined total Ra226/Ra228 MP&A results (pCi/L) ICON results (pCi/L)
- * Indicates dissolved radionuclide analyses (where total results unavailable)
- NA - Not analyzed
- Source: 2013 Aerial from ESRI

Legend
- Section 16 Township 15 S Range 01 E
- ICON Sample Location
- MP&A Sample Location
- Existing Water Well
Figure 54 - RECAP GW2 Standard Exceedances

Groundwater (40 foot zone)

Notes:
- There are no risk-based standards for chloride.
- Labels show MP&A result (mg/L)/ICON result (mg/L)
- (Diss) Refers to dissolved results
- NA - Not analyzed
- ND- Not detected (detection limit)
- Source: 2013 Aerial from ESRI

Legend
- Section 16 Township 15 S Range 01 E
- Groundwater Exceedance (40 foot zone)
- Groundwater Sampling Location (40 foot zone)
- RECAP AOI

SB-1
(5/7/2010)
Ba: 5.02/4.81, 5.61/NA (Diss)
Benzene: 0.017/0.016
Cl: 4.160/5.470
(4/21/2014)
Ba: 3.32/NA, 3.52/NA (Diss)
Benzene: 0.015/NA
Cl: 3.120/NA

HP-MPA-08-T
(10/1/2010)
Ba: 2.04/1.4, 2.17/NA (Diss)
Cl: 1.520/1,500

MW-1
(3/5/2010)
Ba: 13.7/15.4, NA/NA (Diss)
Benzene: 0.028/0.03
Cl: 9,150/9,580

MW-3
(3/5/2010)
Ba: 6.95/8.96, NA/NA (Diss)
Benzene: 0.00136/NA
Cl: 9,100/10,700

SB-3
(5/12/2010)
Ba: 6.57/NA, 6.17/4.83 (Diss)
Cl: 7,270/6,180

SB-1
(5/7/2010)
Ba: 5.02/4.81, 5.61/NA (Diss)
Benzene: 0.017/0.016
Cl: 4.160/5.470
(4/21/2014)
Ba: 3.32/NA, 3.52/NA (Diss)
Benzene: 0.015/NA
Cl: 3.120/NA

HP-MPA-09-T
(10/1/2010)
Benzene: 0.00508/ ND (0.005)
Cl: 2,350/2,200

HP-MPA-02-T
(9/29/2010)
Cl: 2,130/2,600

Notes:
- There are no risk-based standards for chloride.
- Labels show MP&A result (mg/L)/ICON result (mg/L)
- (Diss) Refers to dissolved results
- NA - Not analyzed
- ND- Not detected (detection limit)
- Source: 2013 Aerial from ESRI

Source: 2013 Aerial from ESRI
Figure 55 - Groundwater Chloride Concentrations
70 to 90 foot zone
East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Notes: Labels show MP&A result (mg/L)/ICON result (mg/L)
Source: 2013 Aerial from ESRI
Figure 56 - Groundwater Radium Concentrations
70 to 90 foot zone

East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Notes:
Labels show total MP&A result (pCi/L)/ICON result (pCi/L)
* Indicates dissolved radionuclide results
(where total results unavailable)
NA - Not analyzed
Source: 2013 Aerial from ESRI
Figure 57 - Groundwater Chloride Concentrations
Upper Sand of the Chicot Aquifer
East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Notes: Labels show MP&A result (mg/L)/ICON result (mg/L)
NA - Not analyzed
Source: 2013 Aerial from ESRI

Legend

- Section 16 Township 15 S Range 01 E
- Existing Water Well

Drawn: DAM
Checked: LRC
Date: 9/30/2015
Project: 07-47
Figure 58 - Groundwater Radium Concentrations
Upper Sand of the Chicot Aquifer
East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Notes: Labels show combined total Ra226/Ra228 MP&A result (pCi/L)/ICON result (pCi/L)
NA - Not analyzed
Source: 2013 Aerial from ESRI
Figure 59 - Surface Water Chloride Concentrations

Notes:
1. Labels show MP&A result (mg/L)/ICON result (mg/L)
Source:
2013 Aerial from ESRI
Figure 60 - Stiff Diagrams - Groundwater Quality

Legend

- Ground Water Sampling Location
- Section 16

Note:
1. Stiff diagrams generated by RockWare AqQA v.1.0
3. 2010 aerial from USDA
Figure 61 - Stiff Diagrams - Surface Water Quality

Legend

+ Surface Water Sampling Location
Section 16

Note:
1. Stiff diagrams generated by RockWare AqQA v.1.0
2. Average bicarbonate alkalinity from SW-06 & SW-109 (SW-09 Dtp) used in generation of diagrams for SW-01, SW-09 & SW-10.
3. Average bicarbonate alkalinity from SW BK-02, SW BK-05 & SW BK-07 used in generation of diagrams for SW BK-01, SW BK-04 & SW BK-06.
5. N010B sample from U4324.
Surface Water

Shallow Wells (34-52 ft.)

Intermediate Wells (72-77 ft.)

Intermediate Wells (97-100 ft.)

Deep Wells (470 ft., 519 ft.)

Note:
1. Stiff diagrams generated by RockWare AquClay v. 1.0
2. Average bicarbonate alkalinity from SW-06 & SW-199 (SW-05 Dup) used in generation of diagrams for SW-01 & SW-09.
3. Average bicarbonate alkalinity from SW BK-02, SWBK-05 & SW BK-07 used in generation of diagram for SW BK-01.

Figure 62 - Stiff Diagrams - By Depth

East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

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Baton Rouge, Louisiana New Orleans, Louisiana Houston, Texas

Designed: JCS Drawn: DAM Checked: LRC Date: 06/08/2015 Project: 07-47
Water Wells in Chicot Aquifer (Stiff Diagrams)

Legend:
- Property (Section 16)
- 1 Mile Radius of Property

Figure 63 - Stiff Diagrams
Water Wells in Chicot Aquifer

East White Lake Oil & Gas Field
Foreston Parish, Louisiana

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Baton Rouge, Louisiana
New Orleans, Louisiana
Houston, Texas

Designed: JCS  Drawn: MMH  Checked: LRC  Date: 9/30/2015  Project: 07-47
Figure 66 - Proposed Tank Battery B Pit Re-closure Area

East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Legend

Tank Battery B Pit Extent
ICON Sample Location

Source: P2 Energy Solutions
Note: 1979 Aerial Photograph
Figure 67 - Proposed Groundwater Monitoring Locations

East White Lake Oil & Gas Field
Vermilion Parish, Louisiana

Legend

- Section 16 Township 15 S Range 01 E
- MP&A Existing Monitoring Well
- MP&A Proposed Monitoring Well

Source: 2013 USDA Aerial

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Environmental Consulting Services
Baton Rouge, Louisiana  New Orleans, Louisiana  Houston, Texas

Designed: JCS  Drawn: DAM  Checked: LRC  Date: 9/30/2015  Project 07-47
Figure 68 - Estimated Groundwater Remediation Area/Capture Zone

Legend:
- Proposed Recovery Well
- Proposed Observation Well
- Existing MP&A Monitoring Well
- Existing ICON Monitoring Well
- MP&A Temporary Well
- 1 Year Capture Zone
- 2 Year Capture Zone
- 2 ft. Modeled Drawdown Contour
- Estimated Benzene Plume

Notes:
- 2010 digital orthophoto from USDA.
- Aquifer thickness assumed to be 35 ft.
- Hydraulic conductivity assumed to be 6 Riday
- Hydraulic gradient assumed to be 0.00044 to the West
- Recovery Well pumping rate set at 25 GPM per well
- Capture zone modeled for 1 year