



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT  
7400 LEAKE AVE  
NEW ORLEANS, LA 70118-3651

June 5, 2023

Regulatory Division  
Western Evaluation Branch

Project Manager:  
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Application #: MVN-2022-00828-WKK

## **PUBLIC NOTICE**

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to: [ **X** ] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [ **X** ] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344), and/or [ **X** ] Section 14 of the Rivers and Harbors Act of 1899 (33 U.S.C. Section 408).

### **PLUG AND ABANDON WELLS IN ST. MARY PARISH**

**NAME OF APPLICANT:** Chevron Environmental Management Company, 100 Northpark Boulevard, Covington, Louisiana 70433.

**LOCATION OF WORK:** Located in St. Mary Parish, Bateman Island, approximately 5.0 miles southwest of Morgan City, Louisiana, (Latitude North: 29.634850°N, Longitude West: -91.262972°W), as shown within the enclosed drawings. (Hydrologic Unit Code 08080101, Atchafalaya Basin)

**CHARACTER OF WORK:** Work consists of dredging approximately 209,754 cubic yards of earthen fill material, placing dredged fill material within a 15-foot wide to 30-foot wide spoil placement areas, chipping and placing approximately 6,623 cubic yards of tree chips at a 4-inch height elevation, removing two 15-foot wide by 25-foot long well cribbings, a 20-foot wide by 20-foot long temporary cofferdam, and two 25-foot wide by 25-foot long platforms, all to access, remove, plug, and abandon 20 oil and gas wells and ancillary structures. Approximately 24.03 acres of jurisdictional waters and 8.04 acres of emergent wetlands would be temporarily impacted via dredging and filling operations and 10.2 acres of forested wetlands would be temporarily impacted via chipping operations. If a Department of the Army permit can be granted, the applicant has proposed to mitigate unavoidable wetlands impacts at an approved and acceptable mitigation bank within the N.O. District.

The comment period on the requested Department of the Army Permit will close **20 days** from the date of this public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit request, and must be submitted so as to be received before or by the last day of the comment period. Letters and/or comments concerning the subject permit application must reference the Applicant's Name and the Permit Application Number and can be preferably emailed to the Corps of Engineer's project manager listed above or forwarded to the Corps of Engineers at the address above, **ATTENTION: REGULATORY DIVISION, RGW, Sara Fortuna.** Individuals or parties may also request an extension of time in which to comment on the proposed work by mail or preferably by emailing the specified project manager listed above. Any request for an extension of time to comment must be specific and substantively supportive of the requested extension and received by this office prior to the end of the initial comment period. The Branch Chief will review the request and the requester will be promptly notified of the decision to grant or deny the request. If granted, the time extension will be continuous and inclusive of the initial comment period and will not exceed a total of 30 calendar days. This public notice is also available for review online at <https://go.usa.gov/xennJ>

### **Corps of Engineers Permit Criteria**

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

This request will also be reviewed pursuant to Section 408 and USACE Engineering Circular (EC) 1165-2-220, which provides policy and procedural guidance for processing requests to alter USACE civil works projects. The decision whether to grant permission for the requested alteration will be based on several factors. The benefits that reasonably may be expected to accrue from the proposal will be balanced against its reasonably foreseeable detriments. Review of the requests for modification will be reviewed by a USACE technical review team considering the following factors:

- 1) Potential to Impair the Usefulness of the Project. Proposed alterations will be reviewed to determine whether the alteration would limit the ability of the USACE project to function as authorized, or would compromise or change any authorized project conditions, purposes, or outputs. If USACE determines that the usefulness of the

authorized project would be impaired, the request will be denied.

2) Potential to be Injurious to the Public Interest. Proposed alterations will be reviewed to determine the probable impacts, including cumulative impacts, on the public interest. Factors that may be relevant to the public interest depend upon the type of USACE project being altered and may include, but are not limited to, such things as conservation, economic development, historic properties, cultural resources, environmental impacts, water supply, water quality, flood hazards, floodplains, residual risk, induced damages, navigation, shore erosion or accretion, and recreation. This evaluation will consider information received from the interested parties, including tribes, agencies, and the public. The decision whether to approve an alteration will be determined by the consideration of whether benefits are commensurate with risks. If the potential detriments are found to outweigh the potential benefits, then it may be determined that the proposed alteration is injurious to the public interest.

The Section 408 review will consider the potential impact to the usefulness of the Federal project and whether the proposed alteration would be injurious to the public interest. Policy and legal compliance will also be considered.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

The New Orleans District is presently unaware of properties listed on the National Register of Historic Places at or near the proposed work but is pending further review in accordance with the National Historic Preservation Act. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. As deemed necessary, copies of this public notice will be sent to the State Archeologist, State Historic Preservation Officer, and federally listed tribes regarding potential impacts to cultural resources.

Based on the Information Planning and Consultation (IPaC) tool for Endangered Species in Louisiana, as signed on January 27, 2020, between the U.S. Army Corps of Engineers, New Orleans and the U.S. Fish and Wildlife Service, it has been determined that the project is located in wetlands and/or waters known to be utilized by the pallid sturgeon (*Scaphirhynchus albus*), Eastern Black Rail (*Laterallus jamaicensis* ssp. *jamaicensis*), and West Indian Manatee (*Trichechus manatus*) and determined that the activity is not likely to adversely affect the Pallid Sturgeon, the Eastern Black Rail, and the West Indian Manatee. If the DA permit is approved, the permittee will be required

to the follow the IPaC mitigative conditions for the West Indian Manatee (*Trichechus manatus*).

Our initial finding is that the proposed work would have no effect on any species listed as endangered by the U.S. Department of Commerce, nor affect any habitat designated as critical to the survival and recovery of any such species.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal may result in the destruction, alteration, and/or disturbance of **32.07 acres** of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Louisiana Department of Environmental Quality before a Department of the Army permit could be issued.

Any person may request within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state with particularity, the reasons for holding a public hearing, and can be preferably emailed to the USACE project manager listed above or mailed to the address listed above.

The applicant has certified that the proposed activity described in the application complies with and will be conducted in a manner that is consistent with the Louisiana Department of Natural Resource's Coastal Resources Program (Application # P20230239). The Department of the Army permit will not be issued unless the applicant receives approval or a waiver of the Coastal Use Permit by the Louisiana Department of Natural Resources.



You are invited to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Darrell S. Barbara  
Chief, Western Evaluation Branch  
Regulatory Division

Enclosures

**Bateman Island PB2 Well P&A**  
**Previous Permit # P20220418 (PB1) / P20230168 (PB3)**

### Project Overview:

- \*The site is located 5 miles southwest of Morgan City in the Bateman Island Field in Saint Mary Parish
- \*The site contains 50 oil wells, associated production equipment and flowlines
- \*Chevron will P&A the oil wells, remove the associated production equipment as well as remove or abandon in place the flowlines over the next 3 years
- \*This work will be conducted in accordance with a settlement between Emerald Land Corporation and Chevron U.S.A. Inc.
- \*The oil wells are in areas with oil and gas activities for over 80 years

### Scope of Work (2022 -2023)

- \*Plug and abandon 20 oil & gas wells
- \*Removal of Infrastructure (4)
- \*Chipping
  - \*Chippings will stay in the confinement of the chipped footprint & will not exceed 4" in height
- \*The area being chipped is the minimum footprint possible to execute the work safely
- \*Vegetation is not that dense / mostly undesirables (tallow – willow)
- \*Dredge material will have navigational markers when 6" above surrounding water bottom elevations
- \*Dredge material will be placed back into access channels / Dredged areas
- \*Flowlines will be addressed on a separate Joint Permit Application within the next 180 days

### Scope of Work Permit Notes

- \*Pilings / X-members (cribbing) will be pulled - removed above the mudline
- \*The access routes are being dredged to utilize Spread A&B (max draft 6')
- \*All areas being chipped is the minimum footprint possible to execute the work safely
- \*1.7' MLW and 2.1' MHW N.A.V.D. 88 (January 2023)
- \*The water depths have been adjusted to MLW on all plats
  - Based on the Datums for 8764044, Berwick,LA (NOAA)

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- Sheet 33 - Marsh Buggy Plan View and X-Section
- Sheet 34 - Project Notes

### Excavation & Fill Material

Activity	CU YDS	Acres
Dredge	209754	32.07

### Chip & Fill Material (Forested)

Activity	CU YDS	Acres
Chipping Material (<4")	6623	10.2

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Revision:

Date: 03/16/2023

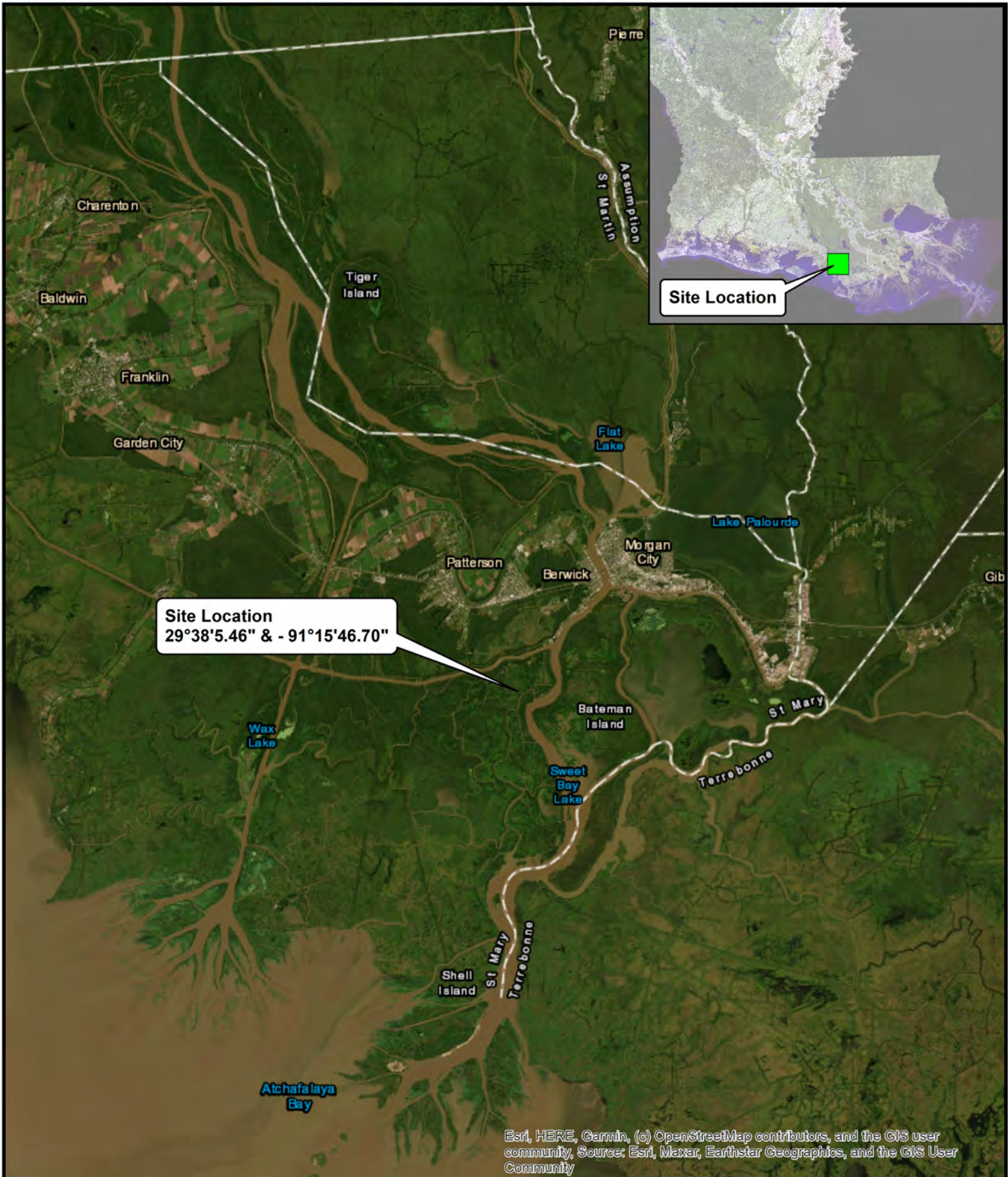
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Project Overview / Index to Sheets

Sheet 001 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana





Site Location  
29°38'5.46" & - 91°15'46.70"

Site Location

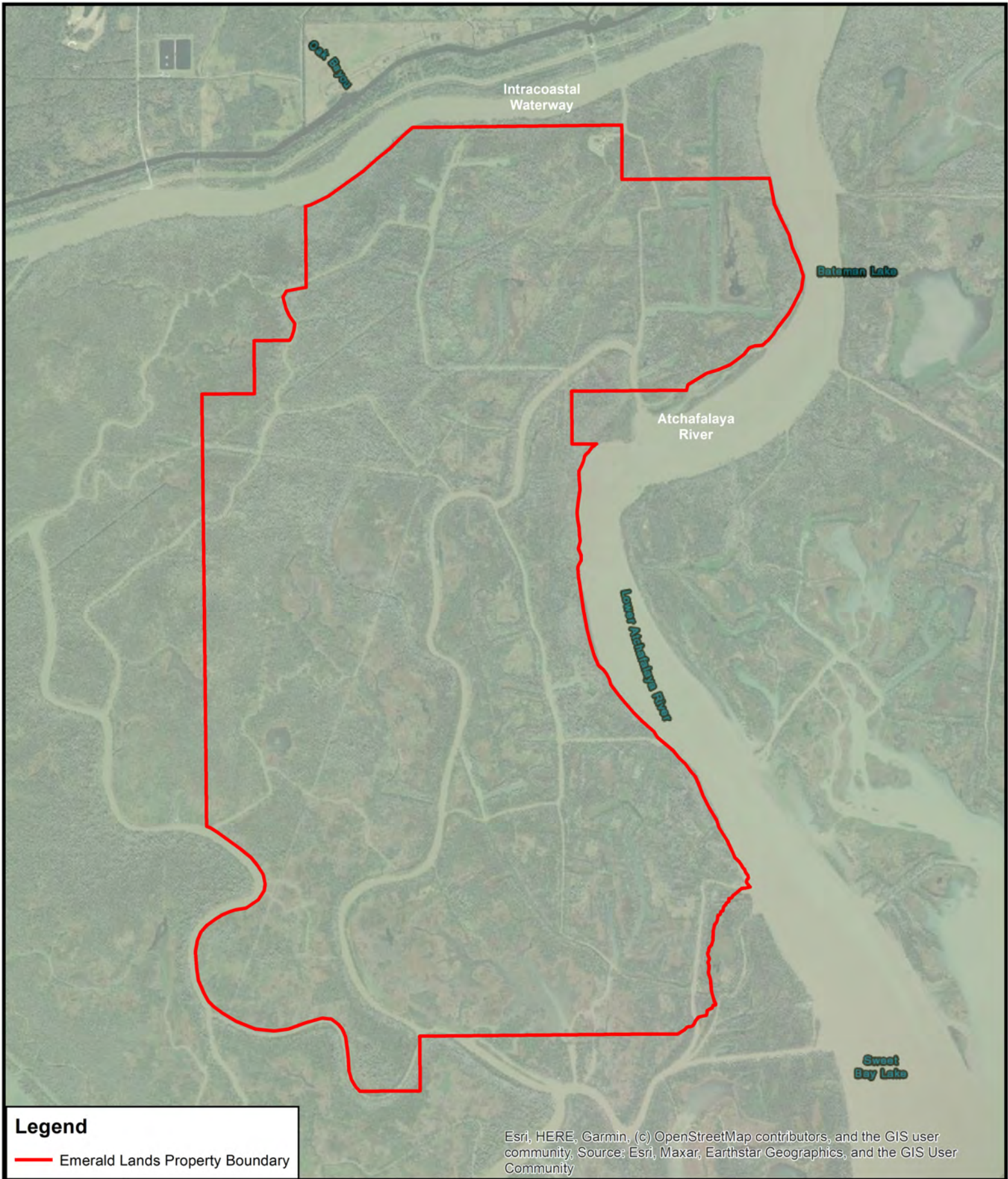
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Vicinity Map	
Sheet 002 of 034 Bateman Island PB2 Well P&A Saint Mary Parish, Louisiana	
0 1.5 3 6 Miles	1 in = 5 miles





### Legend

— Emerald Lands Property Boundary

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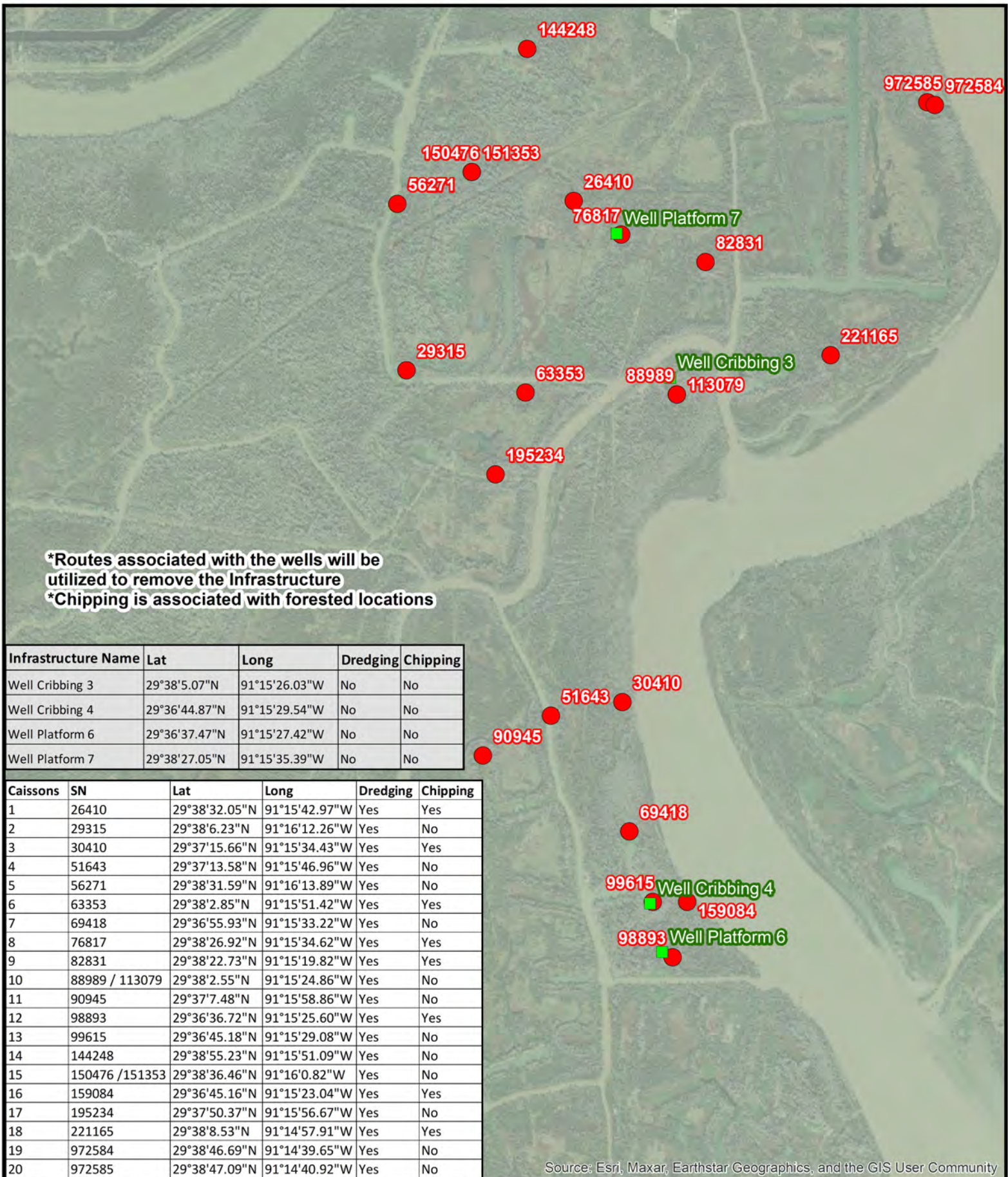
**Site Map**

**Sheet 003 of 0034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana**

0 1,000 2,000 4,000 Feet

1 inch = 3,552 feet



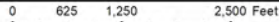




Infrastructure Name	Lat	Long	Dredging	Chipping
Well Cribbing 3	29°38'5.07"N	91°15'26.03"W	No	No
Well Cribbing 4	29°36'44.87"N	91°15'29.54"W	No	No
Well Platform 6	29°36'37.47"N	91°15'27.42"W	No	No
Well Platform 7	29°38'27.05"N	91°15'35.39"W	No	No

Caissons	SN	Lat	Long	Dredging	Chipping
1	26410	29°38'32.05"N	91°15'42.97"W	Yes	Yes
2	29315	29°38'6.23"N	91°16'12.26"W	Yes	No
3	30410	29°37'15.66"N	91°15'34.43"W	Yes	Yes
4	51643	29°37'13.58"N	91°15'46.96"W	Yes	No
5	56271	29°38'31.59"N	91°16'13.89"W	Yes	No
6	63353	29°38'2.85"N	91°15'51.42"W	Yes	Yes
7	69418	29°36'55.93"N	91°15'33.22"W	Yes	No
8	76817	29°38'26.92"N	91°15'34.62"W	Yes	Yes
9	82831	29°38'22.73"N	91°15'19.82"W	Yes	Yes
10	88989 / 113079	29°38'2.55"N	91°15'24.86"W	Yes	No
11	90945	29°37'7.48"N	91°15'58.86"W	Yes	No
12	98893	29°36'36.72"N	91°15'25.60"W	Yes	Yes
13	99615	29°36'45.18"N	91°15'29.08"W	Yes	No
14	144248	29°38'55.23"N	91°15'51.09"W	Yes	No
15	150476 / 151353	29°38'36.46"N	91°16'0.82"W	Yes	No
16	159084	29°36'45.16"N	91°15'23.04"W	Yes	Yes
17	195234	29°37'50.37"N	91°15'56.67"W	Yes	No
18	221165	29°38'8.53"N	91°14'57.91"W	Yes	Yes
19	972584	29°38'46.69"N	91°14'39.65"W	Yes	No
20	972585	29°38'47.09"N	91°14'40.92"W	Yes	No

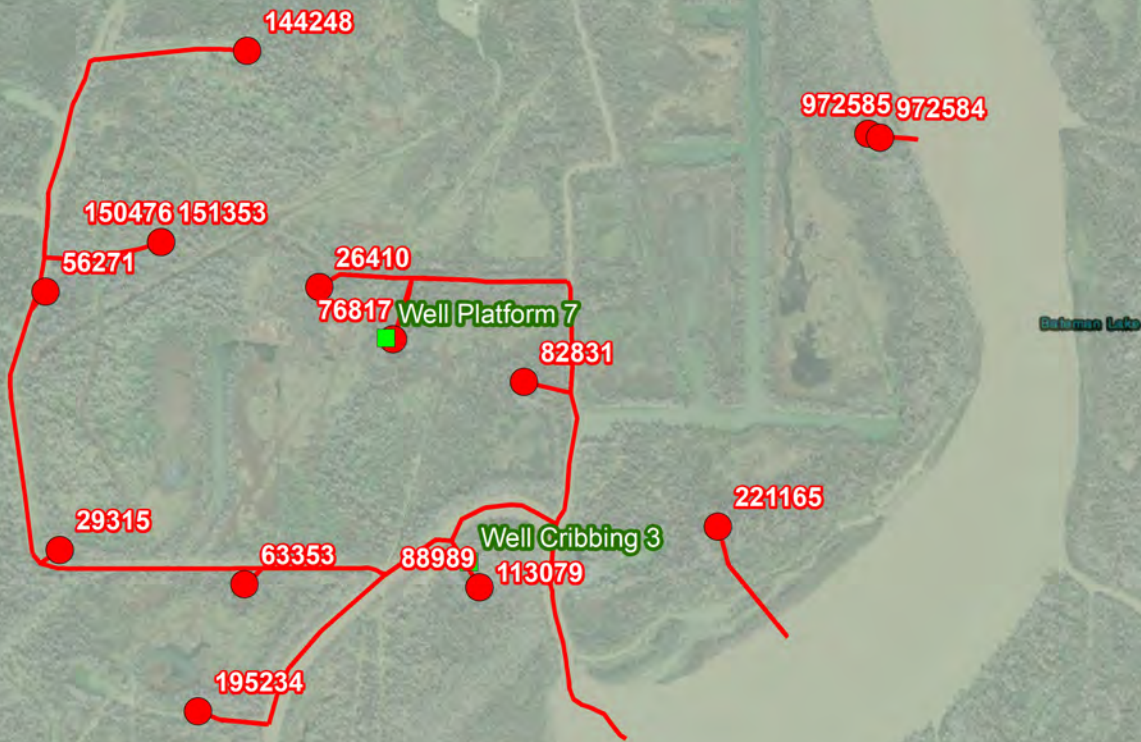
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

	<b>Legend</b> <div style="display: flex; align-items: center; margin-bottom: 10px;"> <span style="color: green; font-size: 20px; margin-right: 10px;">■</span> PB2 Infrastructure         </div> <div style="display: flex; align-items: center;"> <span style="color: red; font-size: 20px; margin-right: 10px;">●</span> PB2 Oil and Gas Wells         </div>	<div style="text-align: center;"> <div style="font-size: 24px; margin-bottom: 10px;">N</div>  </div>	<b>Revision:</b>	<b>Chevron</b>
			<b>Date: 03/16/2023</b>	<b>Oil Well and Infrastructure Site Map</b>
			<div style="text-align: center;"> <b>Sheet 004 of 034</b>  <b>Bateman Island PB2 Well P&amp;A</b>  <b>Saint Mary Parish, Louisiana</b> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div>  0 625 1,250 2,500 Feet         </div> <div> 1 inch = 2,200 feet         </div> </div>	

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## Section A



1 inch = 2,200 feet

0 1,200 2,400 4,800 Feet

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## Section B



1 inch = 1,400 feet

0 800 1,600 3,200 Feet

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### Legend

- PB2 Infrastructure
- PB2 Oil and Gas Wells
- PB2 Routes

N



Revision:

Date: 03/16/2023

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Route Map

Sheet 005 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana



## Section A Canal Routes

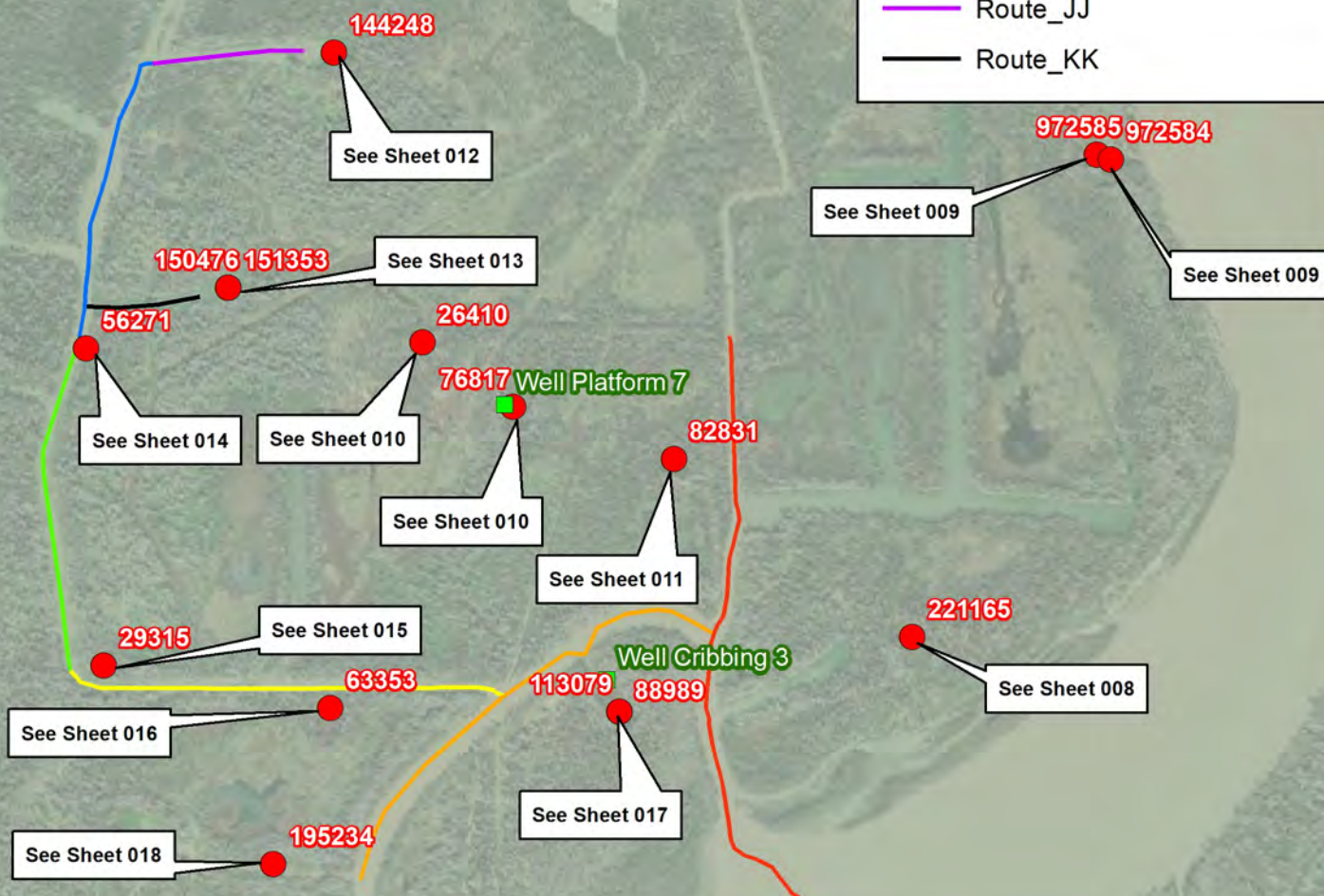
\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January 2023

### Legend

- PB2 Infrastructure
- PB2 Oil and Gas Wells
- Permitted\_under\_P20220418
- Route\_FF
- Route\_GG
- Route\_HH
- Route\_II
- Route\_JJ
- Route\_KK



### Section A Canal Routes

Name	Bank Line Width	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres
Route FF	200'	3940'	40'	3'	>6'	0	0
Route GG	80'	3610'	40'	3'	3'	16044	3.31
Route HH	90'	2950'	40'	3'	3'	13111	2.7
Route II	90'	2190'	40'	3'	3'	9733	2.01
Route JJ	130'	1240'	40'	3'	3'	5511	1.13
Route KK	120'	950'	40'	4'	2'	5692	0.82
<b>Totals</b>						<b>50091</b>	<b>9.97</b>



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



Revision: 2

Date: 04/25/2023

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Section A Canal Route Map

Sheet 006 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

0 500 1,000 2,000 Feet

1 inch = 1,700 feet



## Section B Canal Routes

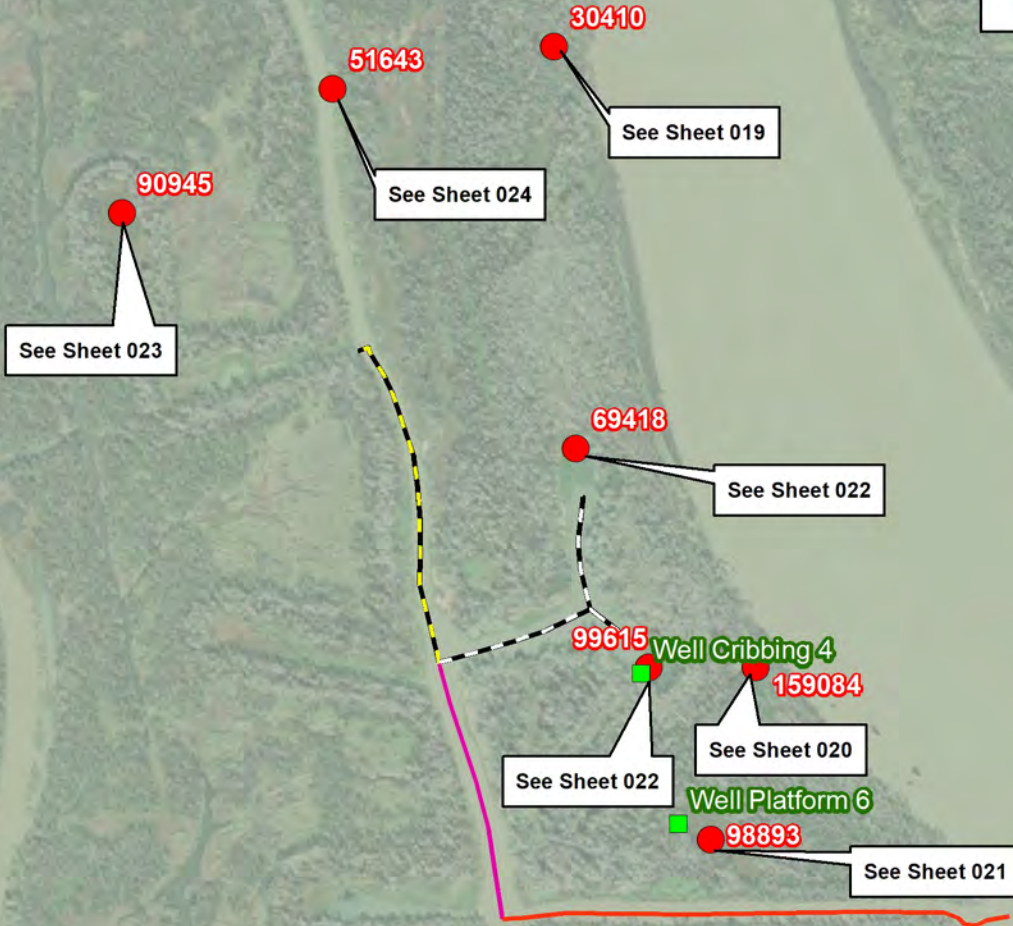
\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January 2023

## Legend

- PB2 Infrastructure
- PB2 Oil and Gas Wells
- Permitted\_under\_P20220418
- Route\_TT
- - - Route\_UU
- - - Route\_VV



## Section B Canal Routes

Name	Bank Line Width	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres
Route TT	120'	1340'	40'	3.5'	2.5'	6948	1.23
Route UU	90'	1550'	40'	4'	2'	9185	1.42
Route VV	120'	1710'	40'	3.5'	2.5'	8866	1.57
<b>Totals</b>						<b>18051</b>	<b>2.99</b>



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



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Section B Canal Route Map

Sheet 007 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

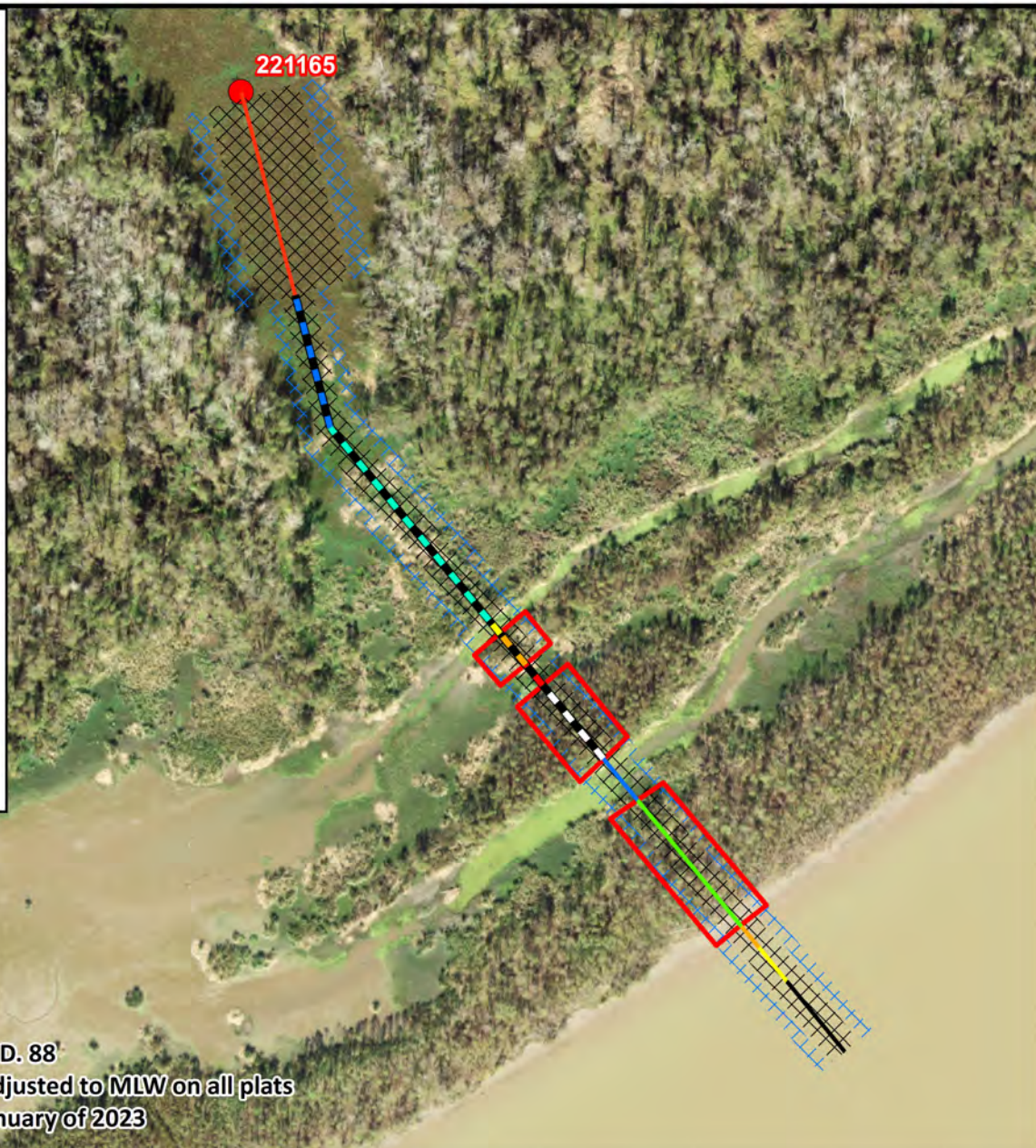
0 320 640 1,280 Feet

1 inch = 1,100 feet



## Legend

- Route\_AA-1
- Route\_AA-2
- Route\_AA-3
- Route\_AA-4
- Route\_AA-5
- Route\_AA-6
- Route\_AA-7
- Route\_AA-8
- Route\_AA-9
- Route\_AA-10
- Route\_AA-11
- Route\_AA-12
- Chipping Polygon
- ▨ Dredge Polygons
- ▩ Fill Polygons
- PB2 Oil and Gas Wells



\*1.7' MLW and 2.1' MHW N.A.V.D. 88'

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route AA-1	105'	40'	1'	5'	155	0.09	0	0	0	0
Route AA-2	50'	40'	3'	3'	222	0.04	0	0	0	0
Route AA-3	30'	40'	4.5'	1.5'	200	0.02	0	0	0	0
Route AA-4	190'	40'	6'	0	1688	0.17	190'	80'	225	0.34
Route AA-5	60'	40'	4'	2'	355	0.05	0	0	0	0
Route AA-6	110'	40'	6'	0	977	0.1	110'	80'	130	0.2
Route AA-7	30'	40'	4.5'	1.5'	200	0.02	0	0	0	0
Route AA-8	45'	40'	6'	0	400	0.04	45'	80'	53	0.08
Route AA-9	30'	40'	3'	3'	133	0.02	0	0	0	0
Route AA-10	285'	40'	6'	0	2533	0.26	0	0	0	0
Route AA-11	160'	40'	3.5'	2.5'	829	0.14	0	0	0	0
Route AA-12	240'	120'	3'	3'	3200	0.66	0	0	0	0
Totals					10892	1.61			408	0.62



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



Revision: 1

Date: 04/03/2023

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221165 Site Map



Sheet 008 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

0 65 130 260 Feet

1 inch = 230 feet



## Legend

- Route\_BB-1
- Route\_BB-2
- Route\_BB-3
- Route\_BB-4
- Route\_BB-5
- Route\_BB-6
-  Dredge Polygons
-  Fill Polygons
- PB2 Oil and Gas Wells



\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route BB-1	20'	40'	1'	5'	29	0.01	0	0	0	0
Route BB-2	25'	40'	3'	3'	111	0.02	0	0	0	0
Route BB-3	50'	40'	4.5'	1.5'	333	0.04	0	0	0	0
Route BB-4	155'	40'	6'	0	1377	0.14	0	0	0	0
Route BB-5	115'	120'	5'	1'	2555	0.31	0	0	0	0
Route BB-6	125'	120'	6'	0	3333	0.34	0	0	0	0
Totals					7738	0.86			0	0



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



Revision: 1

Date: 04/03/2023

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972584 - 972585 Site Map

Sheet 009 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

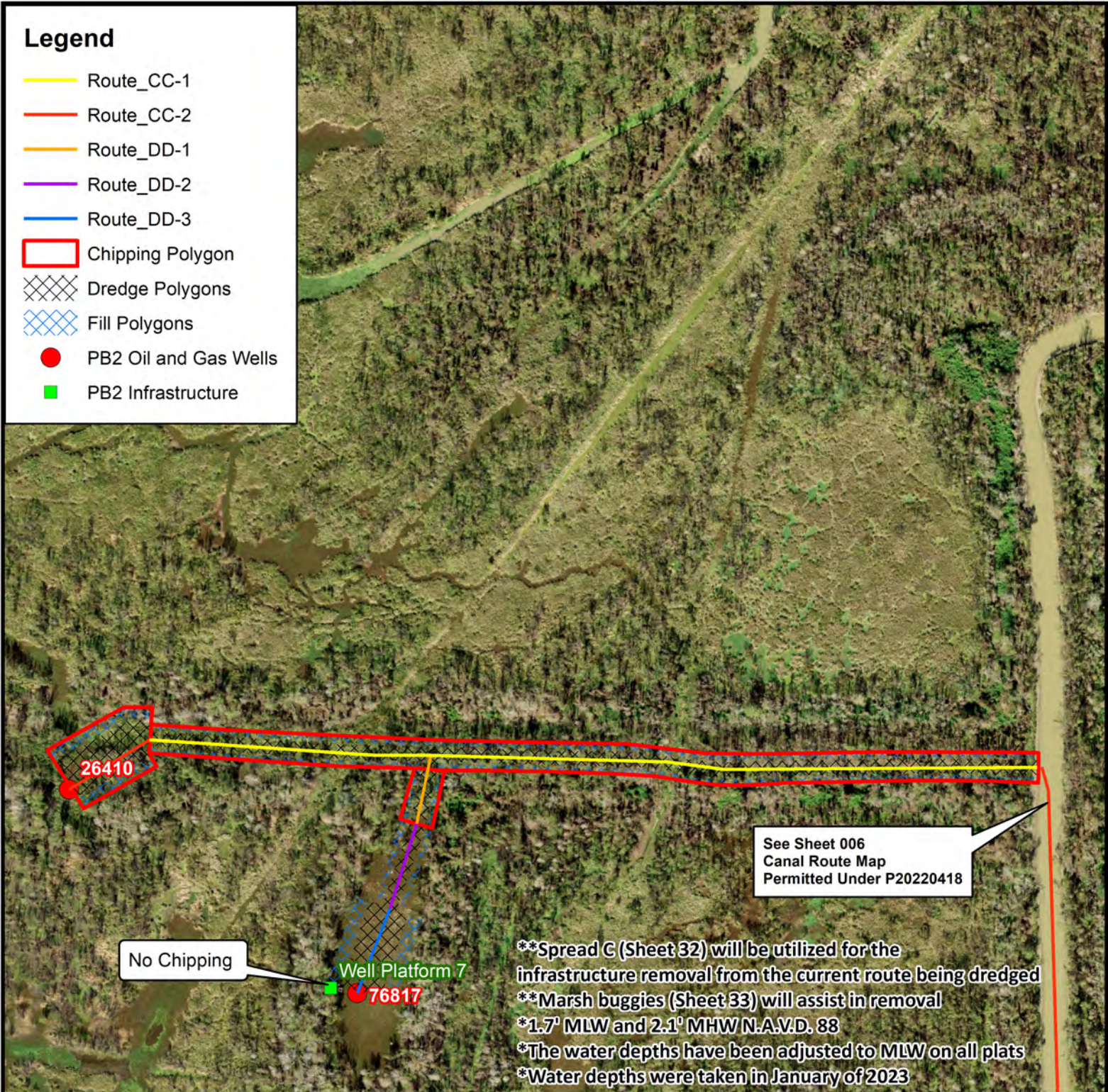
0 37.5 75 150 Feet

1 inch = 129 feet



## Legend

- Route\_CC-1
- Route\_CC-2
- Route\_DD-1
- Route\_DD-2
- Route\_DD-3
- Chipping Polygon
- Dredge Polygons
- Fill Polygons
- PB2 Oil and Gas Wells
- PB2 Infrastructure



Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route CC-1	2270'	40'	6'	0	20177	2.08	2270'	80'	2690	4.16
Route CC-2	240'	120'	6'	0	6400	0.66	240'	190'	675	1.04
Route DD-1	180'	40'	6'	0	1600	0.16	180'	80'	213	0.33
Route DD-2	225'	40'	5'	1'	1666	0.2	0	0	0	0
Route DD-3	240'	120'	5'	1'	5333	0.66	0	0	0	0
Totals					35176	3.76			3578	5.53



**\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)**  
**\*6' Draft**



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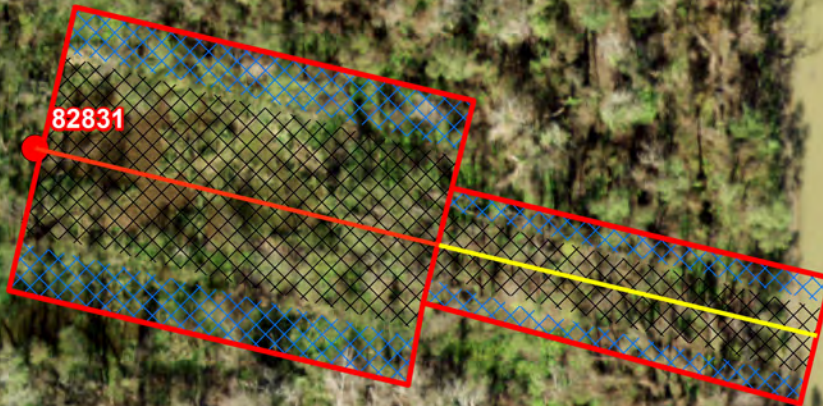
**Chevron**  
**26410 - 76817 Site Map**  
 Sheet 010 of 034  
 Bateman Island PB2 Well P&A  
 Saint Mary Parish, Louisiana

0 120 240 480 Feet  
 1 inch = 400 feet



## Legend

- Route\_EE-1
- Route\_EE-2
- Chipping Polygon
- Dredge Polygons
- Fill Polygons
- PB2 Oil and Gas Wells



See Sheet 006  
Canal Route Map  
Permitted Under P20220418

\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route EE-1	230'	40'	6'	0	2044	0.21	230'	80'	272	0.42
Route EE-2	240'	120'	6'	0	6400	0.66	240'	190'	675	1.04
Totals					8444	0.87			947	1.46



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



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82831 Site Map

Sheet 011 of 34  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

0 37.5 75 150 Feet

1 inch = 130 feet



## Legend

- Route\_JJ-1
- XXXX Dredge Polygons
- XXXX Fill Polygons
- PB2 Oil and Gas Wells

See Sheet 006  
Canal Route Map  
Route\_JJ

144248

\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route JJ-1	240'	120'	3'	3'	3200	0.66	0	0	0	0
<b>Totals</b>					3200	0.66	0	0	0	0



\*The access routes are being  
dredged to utilize  
Spread A&B (Sheet 030 & 031)  
\*6' Draft



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144248 Site Map

Sheet 012 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

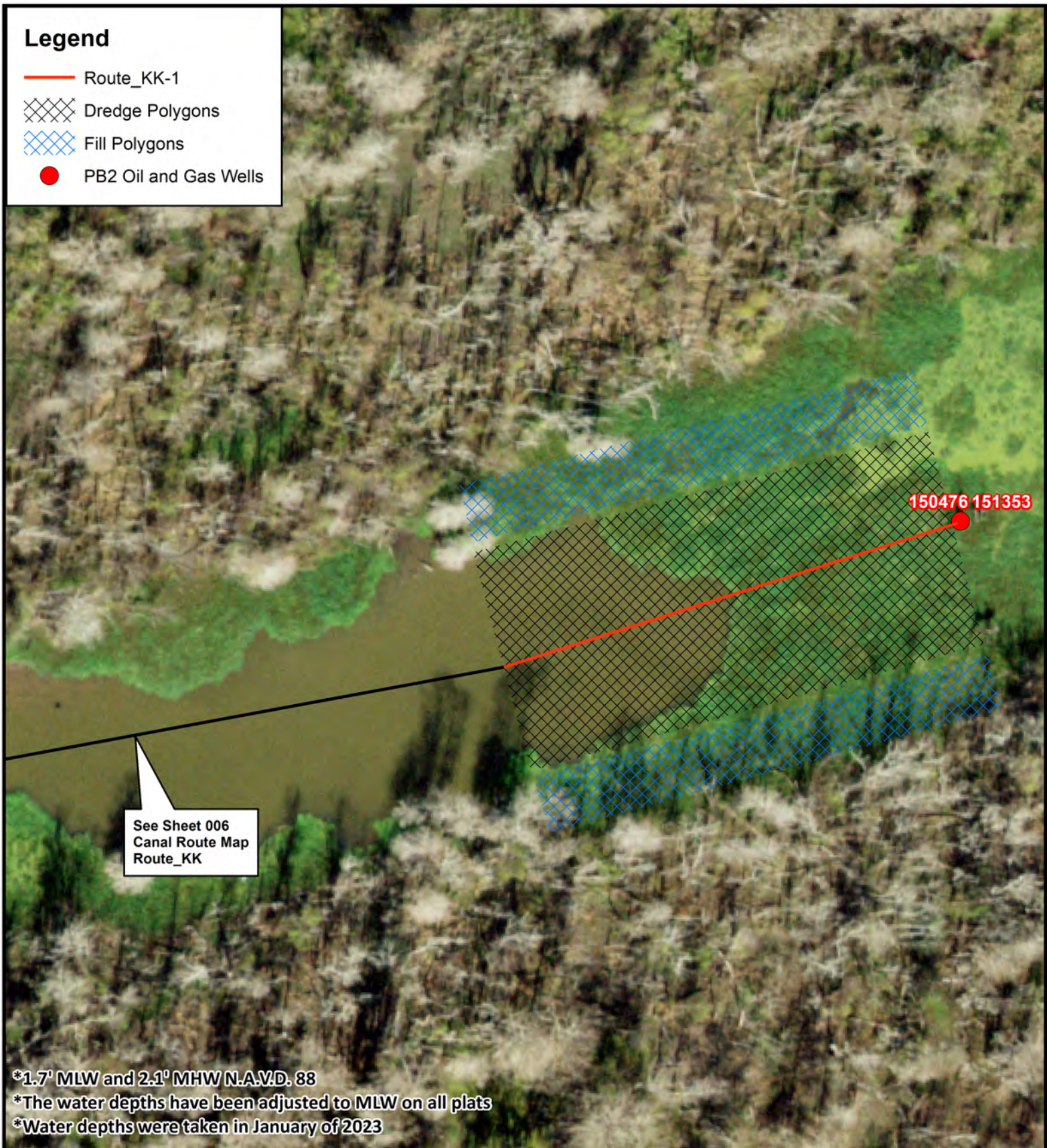
0 20 40 80 Feet

1 inch = 80 feet



## Legend

- Route\_KK-1
- XXXX Dredge Polygons
- XXXX Fill Polygons
- PB2 Oil and Gas Wells



\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route KK-1	240'	120'	3'	3'	3200	0.66	0	0	0	0
Totals					3200	0.66			0	0



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



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150476 - 151353 Site Map

Sheet 013 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

0 20 40 80 Feet

1 inch = 75 feet



## Legend

- Route\_LL-1
- Route\_LL-2
- ▨ Dredge Polygons
- ▨ Fill Polygons
- PB2 Oil and Gas Wells

See Sheet 006  
Canal Route Map  
Route\_II

See Sheet 006  
Canal Route Map  
Route\_HH

56271

\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route LL-1	135'	120'	3'	3'	1800	0.37	0	0	0	0
Route LL-2	105'	120'	6'	0	2800	0.28	0	0	0	0
Totals					4600	0.65			0	0



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



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56271 Site Map

Sheet 014 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

0 37.5 75 150 Feet

1 inch = 125 feet



## Legend

- Route\_MM-1
- Route\_MM-2
- ▨ Dredge Polygons
- ▨ Fill Polygons
- PB2 Oil and Gas Wells

See Sheet 006  
Canal Route Map  
Route\_HH

See Sheet 006  
Canal Route Map  
Route\_GG

29315

\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route MM-1	60'	120'	3'	3'	800	0.16	0	0	0	0
Route MM-2	180'	120'	6'	0	4800	0.49	0	0	0	0
Totals					5600	0.65			0	0



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



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29315 Site Map

Sheet 015 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

0 45 90 180 Feet  
1 inch = 150 feet



## Legend

- Route\_NN-1
- Route\_NN-2
- Chipping Polygon
- Dredge Polygons
- Fill Polygons
- PB2 Oil and Gas Wells

See Sheet 006  
Canal Route Map  
Route\_GG

63353

\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route NN-1	60'	120'	3'	3'	800	0.16	0	0	0	0
Route NN-2	180'	120'	6'	0	4800	0.49	180'	190'	506	0.78
Totals					5600	0.65			506	0.78



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



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63353 Site Map

Sheet 016 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

0 37.5 75 150 Feet 1 inch = 125 feet



## Legend

- Route\_OO-1
- Route\_OO-2
- Route\_OO-3
-  Dredge Polygons
-  Fill Polygons
- PB2 Oil and Gas Wells
- PB2 Infrastructure

See Sheet 006  
Canal Route Map  
Route\_FF

No Chipping

Well Cribbing 3

113079 88989

**\*\*Spread B (Sheet 32) will be utilized for the infrastructure removal from the current route being dredged**  
**\*\*Marsh buggies (Sheet 33) will assist in removal**  
**\*1.7' MLW and 2.1' MHW N.A.V.D. 88**  
**\*The water depths have been adjusted to MLW on all plats**  
**\*Water depths were taken in January of 2023**

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route OO-1	135'	40'	6'	0	1200	0.12	0	0	0	0
Route OO-2	190'	40'	5'	1'	1407	0.17	0	0	0	0
Route OO-3	240'	120'	3'	3'	3200	0.66	0	0	0	0
Totals					5807	0.95			0	0



**\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)**  
**\*6' Draft**



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**88989 - 113079 Site Map**

**Sheet 017 of 034**  
**Bateman Island PB2 Well P&A**  
**Saint Mary Parish, Louisiana**

0 45 90 180 Feet  
 1 inch = 150 feet



## Legend

- Route\_PP-1
- Route\_PP-2
- Route\_PP-3
- Route\_PP-4
-  Dredge Polygons
-  Fill Polygons
- PB2 Oil and Gas Wells

See Sheet 006  
Canal Route Map  
Route\_FF

195234

\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route PP-1	330'	40'	0	6'	0	0	0	0	0	0
Route PP-2	260'	40'	3'	3'	1155	0.23	0	0	0	0
Route PP-3	70'	120'	4'	4'	1244	0.19	0	0	0	0
Route PP-4	170'	120'	6'	0	4533	0.46	0	0	0	0
Totals					6932	0.88			0	0



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



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195234 Site Map

Sheet 018 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

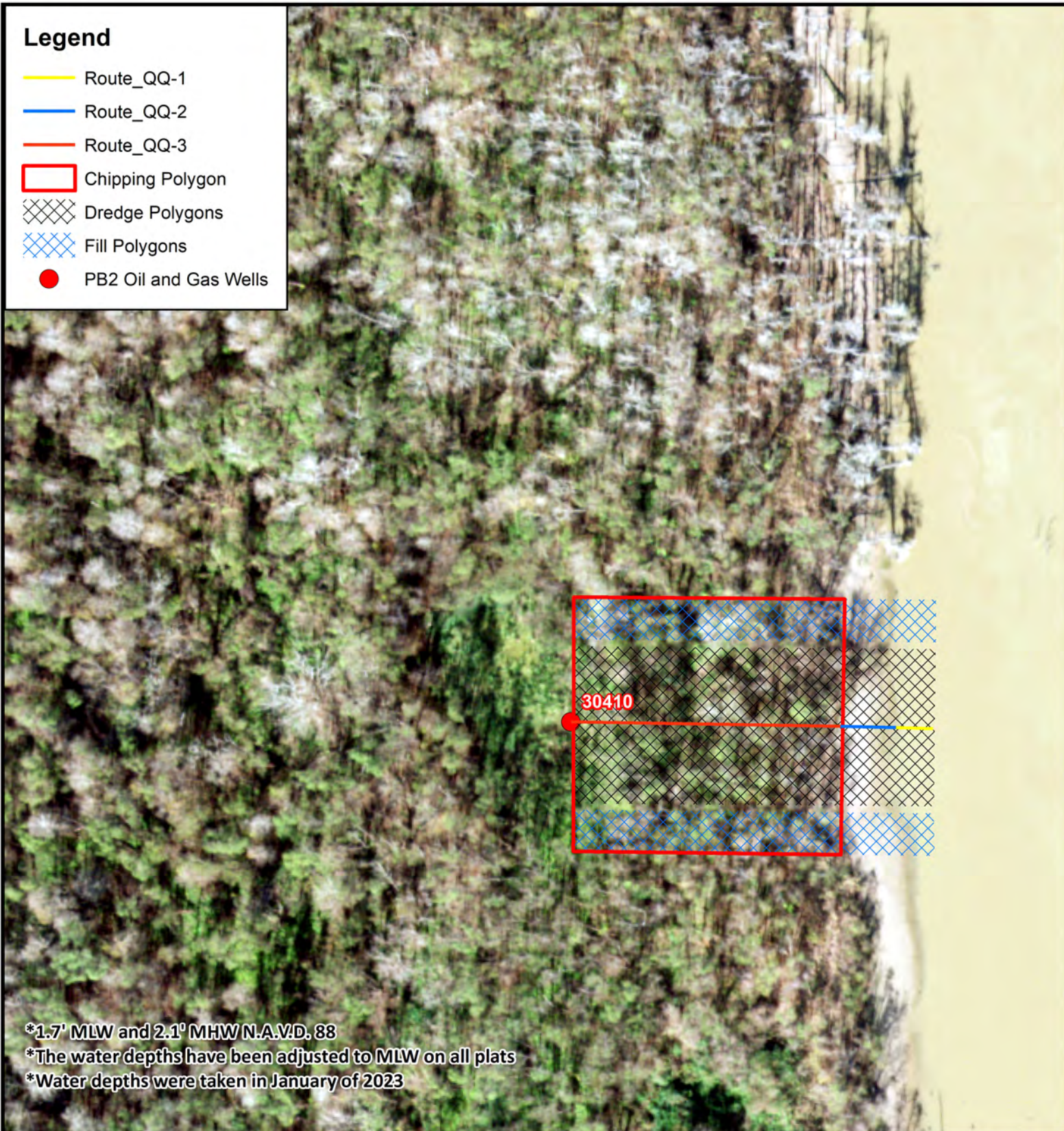
0 60 120 240 Feet

1 inch = 200 feet



## Legend

- Route\_QQ-1
- Route\_QQ-2
- Route\_QQ-3
- Chipping Polygon
- Dredge Polygons
- Fill Polygons
- PB2 Oil and Gas Wells



\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route QQ-1	25'	120'	1.5'	4.5'	166	0.06	0	0	0	0
Route QQ-2	50'	120'	3'	3'	666	0.13	0	0	0	0
Route QQ-3	185'	120'	6'	0	4933	0.5	185	190	520	0.8
Totals					5765	0.69			520	0.8



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



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30410 Site Map

Sheet 019 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

0 30 60 120 Feet  
1 inch = 100 feet



## Legend

- Route\_RR-1
- Route\_RR-2
- Route\_RR-3
- Chipping Polygon
- Dredge Polygons
- Fill Polygons
- PB2 Oil and Gas Wells



\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route RR-1	20'	120'	1'	5'	88	0.05	0	0	0	0
Route RR-2	40'	120'	4'	2'	711	0.11	0	0	0	0
Route RR-3	150'	120'	6'	0	4000	0.41	150'	190'	422	0.65
Totals					4799	0.57			422	0.65



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



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159084 Site Map

Sheet 020 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

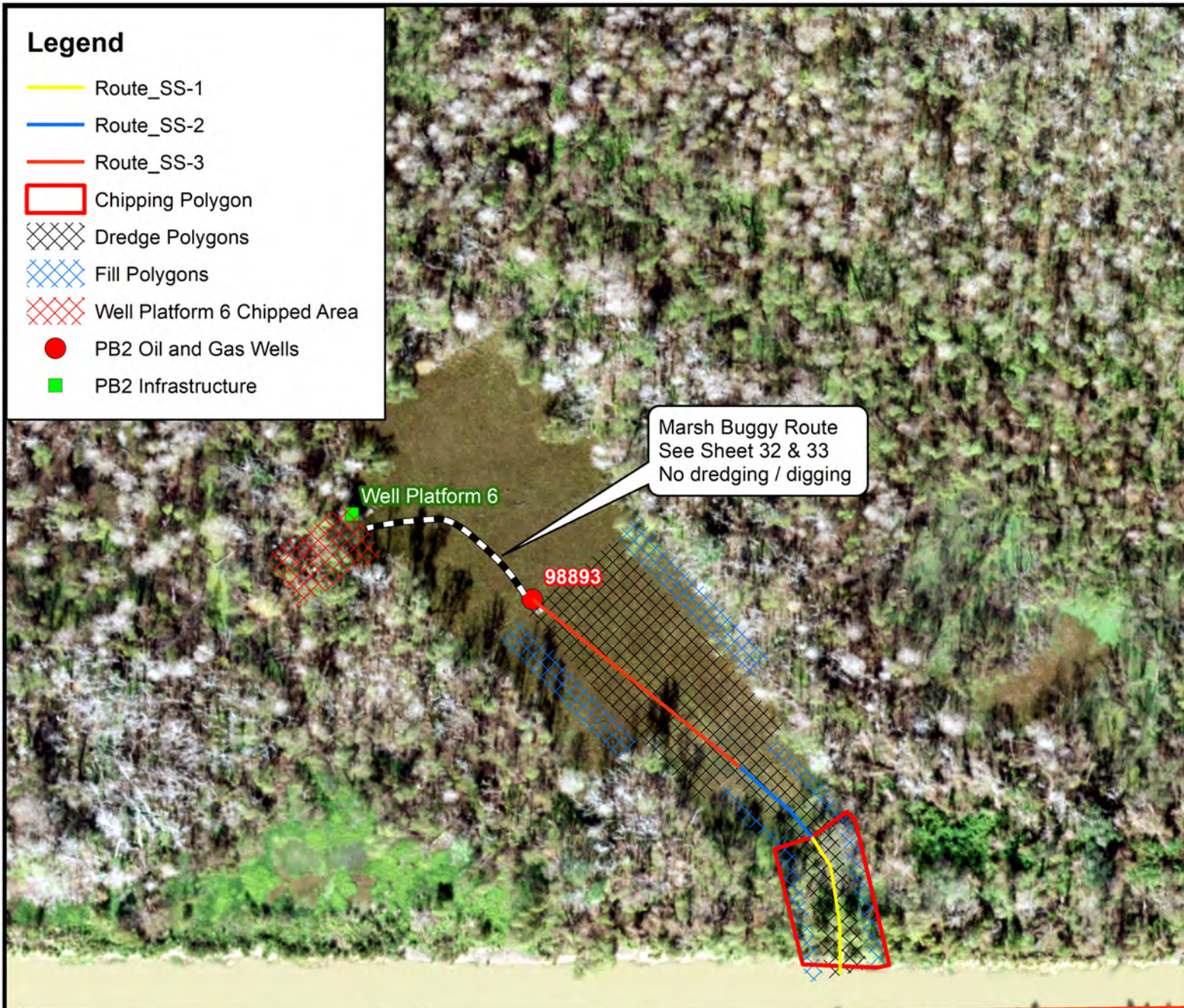
0 20 40 80 Feet

1 inch = 83 feet



## Legend

- Route\_SS-1
- Route\_SS-2
- Route\_SS-3
- Chipping Polygon
- Dredge Polygons
- Fill Polygons
- Well Platform 6 Chipped Area
- PB2 Oil and Gas Wells
- PB2 Infrastructure



**\*\*Spread C (Sheet 32) will be utilized for the infrastructure removal from the current route being dredged to Well Platform 6**

**\*\*Marsh buggies (Sheet 33) will assist in removal**

**\*1.7' MLW and 2.1' MHW N.A.V.D. 88**

**\*The water depths have been adjusted to MLW on all plats**

**\*Water depths were taken in January of 2023**

See Sheet 007  
Canal Route Map  
Permitted under P20220418

PB2 Infrastructure	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Well Platform 6	100'	60'	88	0.13

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route SS-1	130'	40'	6'	0	1155	0.11	130	80	154	0.23
Route SS-2	90'	40'	4'	2'	533	0.08	0	0	0	0
Route SS-3	240'	120'	3.5'	2.5'	3733	0.66	0	0	0	0
Totals					5421	0.85			154	0.23



**\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)**  
**\*6' Draft**



**Revision: 1**

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**98893 Site Map**

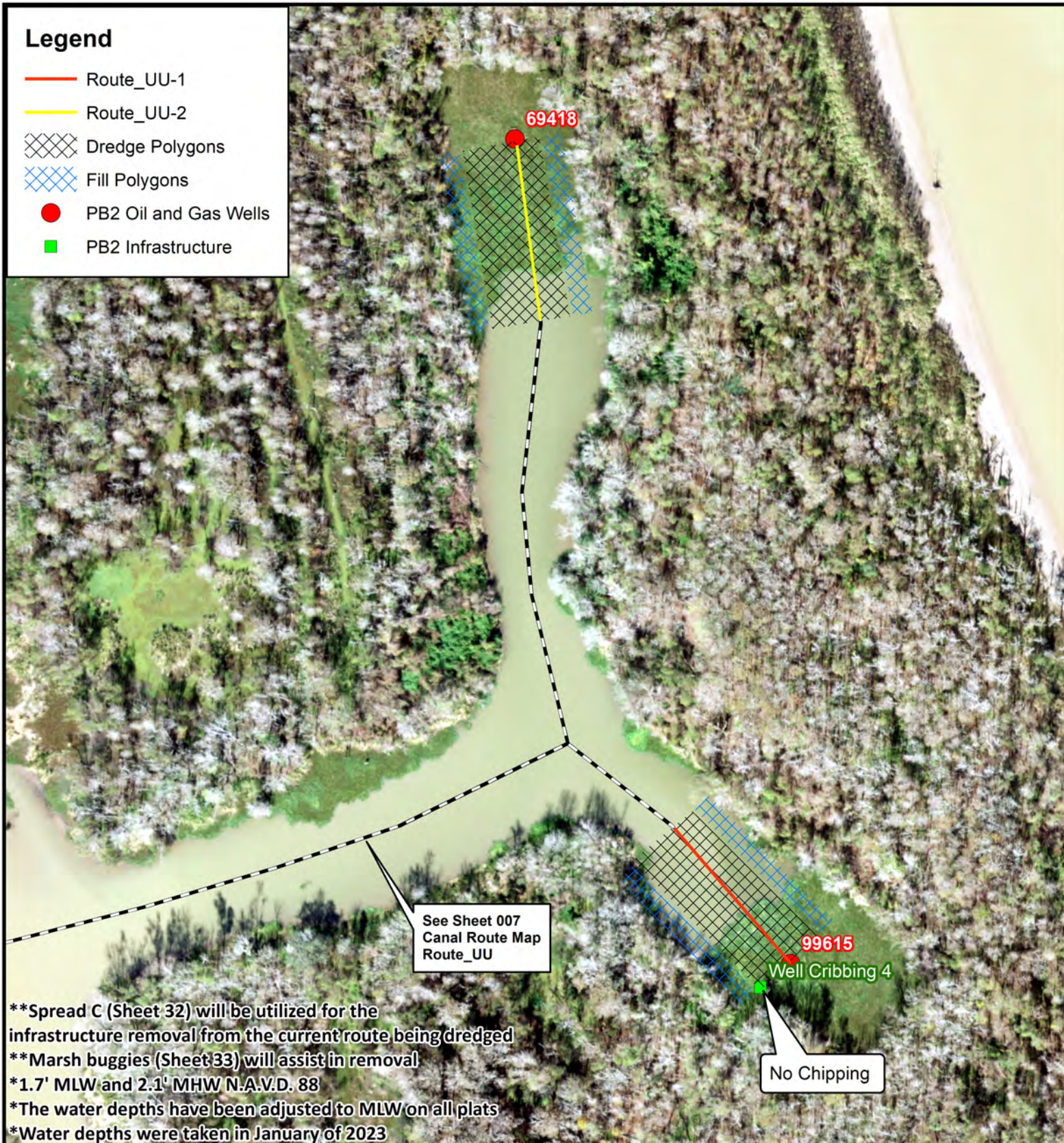
Sheet 021 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

0 45 90 180 Feet  
1 inch = 150 feet



## Legend

- Route\_UU-1
- Route\_UU-2
- Dredge Polygons
- Fill Polygons
- PB2 Oil and Gas Wells
- PB2 Infrastructure



**\*\*Spread C (Sheet 32) will be utilized for the infrastructure removal from the current route being dredged**  
**\*\*Marsh buggies (Sheet 33) will assist in removal**  
**\*1.7' MLW and 2.1' MHW N.A.V.D. 88**  
**\*The water depths have been adjusted to MLW on all plats**  
**\*Water depths were taken in January of 2023**

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route UU-1	240'	120'	4'	2'	4266	0.66	0	0	0	0
Route UU-2	240'	120'	4'	2'	4266	0.66	0	0	0	0
<b>Totals</b>					<b>8532</b>	<b>1.32</b>			<b>0</b>	<b>0</b>



**\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)**  
**\*6' Draft**



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**69418 - 99615 Site Map**

Sheet 022 of 034  
 Bateman Island PB2 Well P&A  
 Saint Mary Parish, Louisiana

0 60 120 240 Feet | 1 inch = 200 feet



## Legend

- Route\_WW-1
- Route\_WW-2
- Route\_WW-3
-  Dredge Polygons
-  Fill Polygons
- PB2 Oil and Gas Wells



Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route WW-1	510'	15'	6'	0	1700	0.17	0	0	0	0
Route WW-2	1125'	40'	3'	3'	5000	1.03	0	0	0	0
Route WW-3	240'	120'	3'	3'	3200	0.66	0	0	0	0
Totals					9900	1.86			0	0



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
 \*6' Draft



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90945 Site Map	
Sheet 023 of 034 Bateman Island PB2 Well P&A Saint Mary Parish, Louisiana	
0 70 140 280 Feet	1 inch = 235 feet



## Legend

- Route\_XX-1
- Route\_XX-2
- Route\_XX-3
- XXXX Dredge Polygons
- XXXX Fill Polygons
- PB2 Oil and Gas Wells



\*1.7' MLW and 2.1' MHW N.A.V.D. 88

\*The water depths have been adjusted to MLW on all plats

\*Water depths were taken in January of 2023

Name	Dredge Length	Dredge Width	Dredge Depth	Water Depth	Dredge CU YDS	Dredge Acres	Chipping Length	Chipping Width	Chip CU YDS	Chip Acres
Route XX-1	1060'	40'	3.5'	2.5'	5496	0.97	0	0	0	0
Route XX-2	170'	120'	3.5'	2.5'	2644	0.46	0	0	0	0
Route XX-3	70'	120'	6'	0	1866	0.19	0	0	0	0
Totals					10006	1.62			0	0



\*The access routes are being dredged to utilize Spread A&B (Sheet 030 & 031)  
\*6' Draft



Revision: 1

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51643 Site Map

Sheet 024 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

0 55 110 220 Feet

1 inch = 190 feet

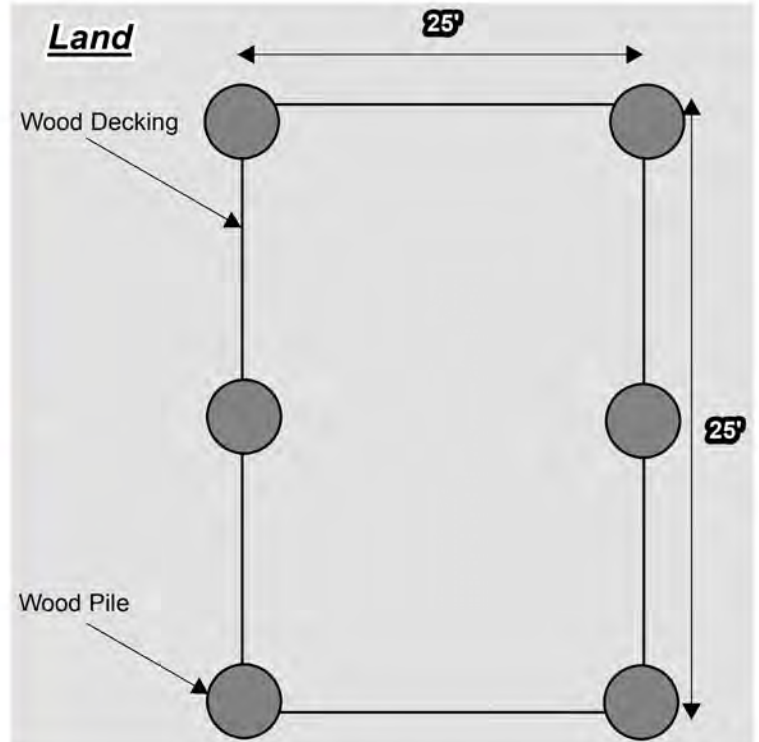
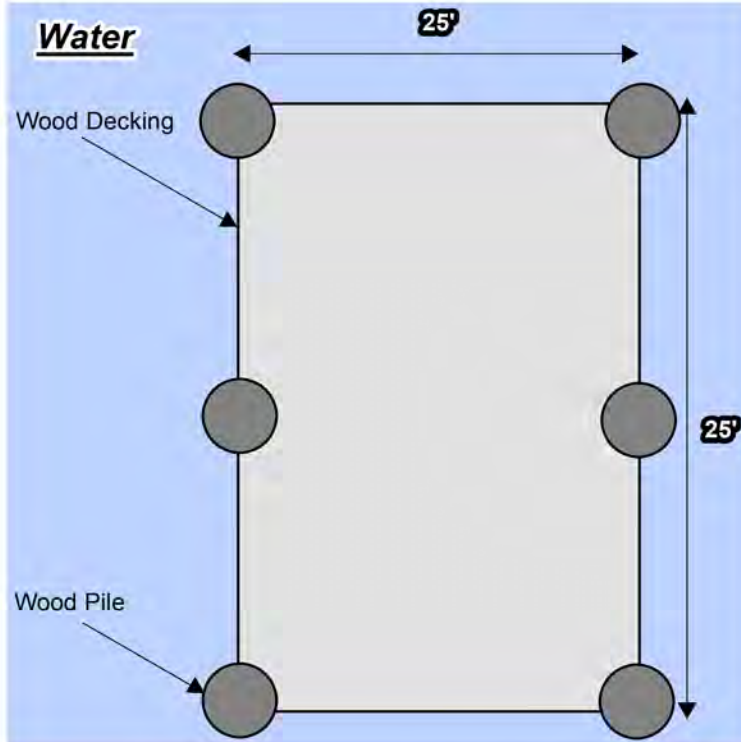


**Typical Infrastructure 25' x 25'**  
**Removal Plan View (Water)**

**Typical Infrastructure 25' x 25'**  
**Removal Plan View (Land)**

**\*\*Spread C (Sheet 32) will be utilized for the infrastructure removal from the current route being dredged**  
**\*\*Marsh buggies (Sheet 33) will assist in removal**

**\*Wood decking will be removed**  
**\*Pilings will be removed**

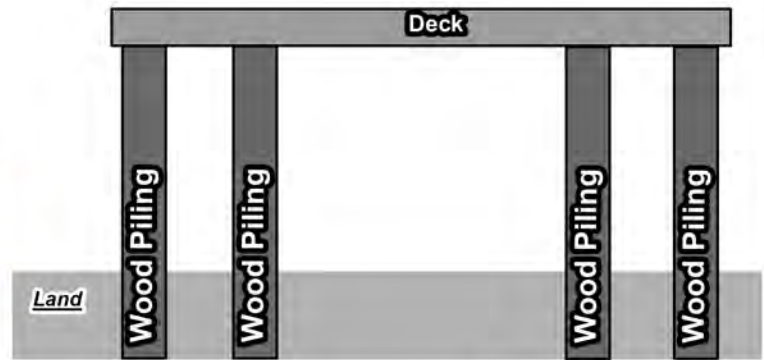
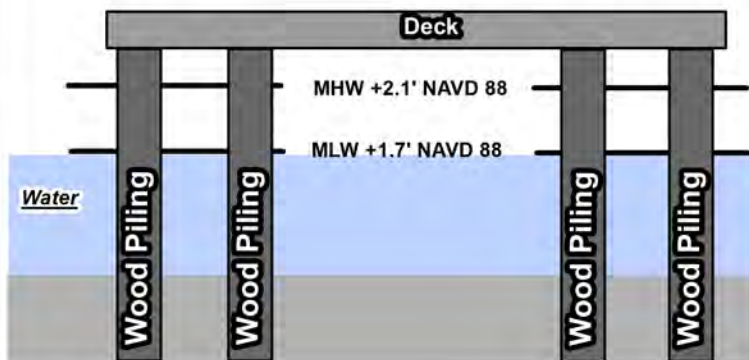


**Typical Infrastructure 25' x 25'**  
**Removal X-Section (Water)**

**Typical Infrastructure 25' x 25'**  
**Removal X-Section (Land)**

**\*\*Spread C (Sheet 32) will be utilized for the infrastructure removal from the current route being dredged**  
**\*\*Marsh buggies (Sheet 33) will assist in removal**

**\*Wood decking will be removed**  
**\*Pilings will be removed**



N



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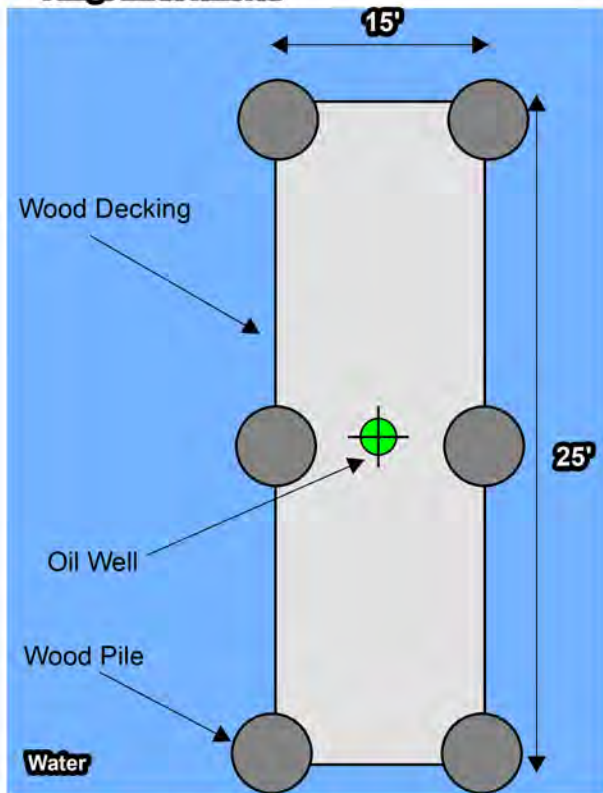
Chevron

Infrastructure X-Section

Sheet 025 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana

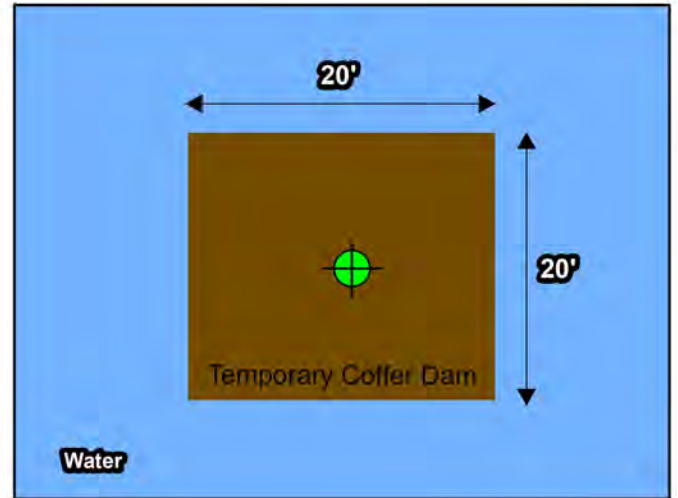
### Typical Oil Well Cribbing Plan View (Water)

- \*Wood decking will be removed
- \*Pilings will be removed



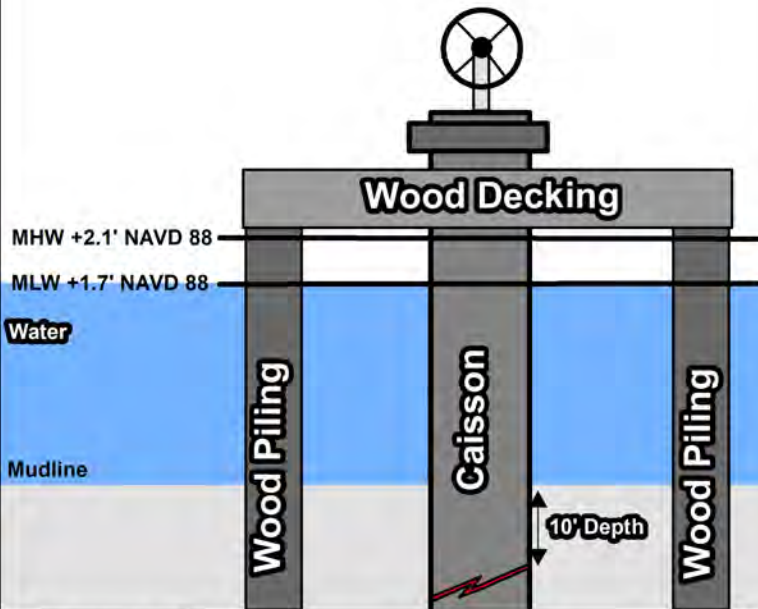
### Typical Oil Well Plan View (Water)

- \*An internal sand cut will be made to cut caissons 10' BML
- \*No Dredging - No digging required to set coffer dam



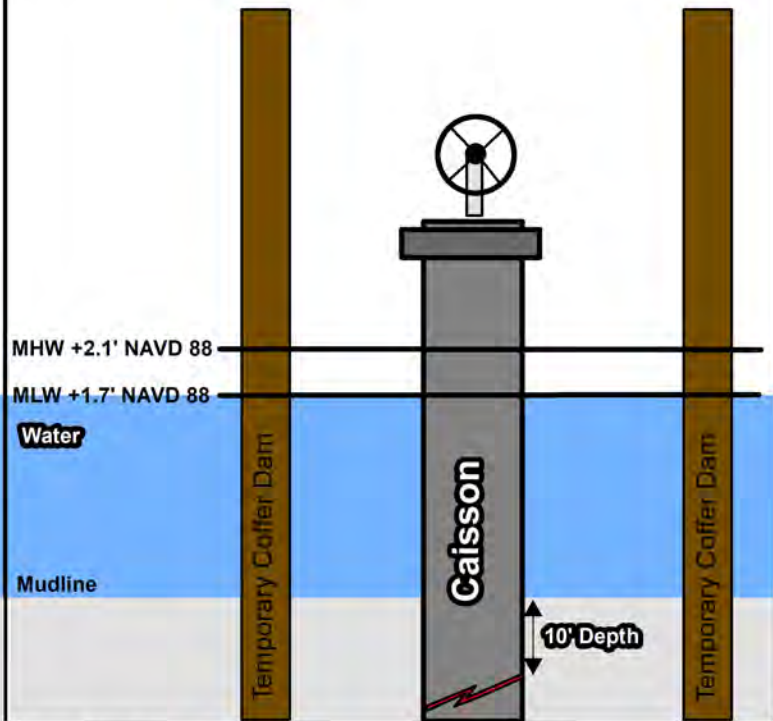
### Typical Well Cribbing X-Section (Water)

- \*Wood decking will be removed
- \*Pilings will be removed



### Typical Oil Well X-Section (Water)

- \*An internal sand cut will be made to cut caissons 10' BML
- \*No Dredging - No digging required to set coffer dam



N



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Oil Well P&A Plan View and X-Section

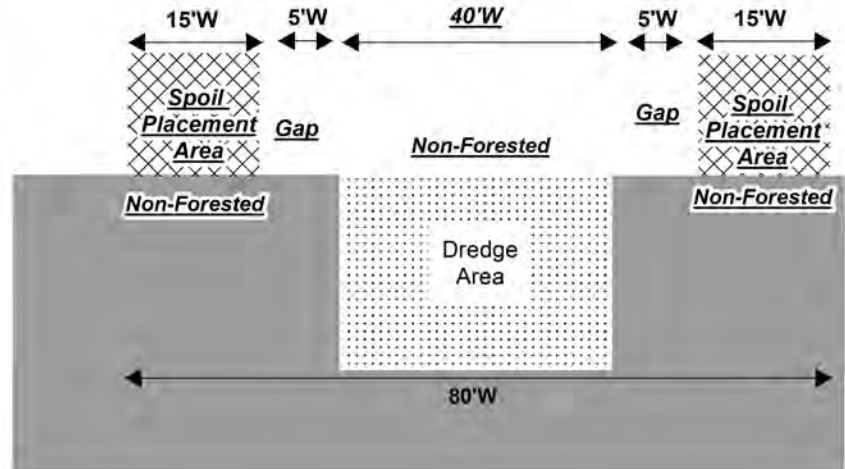
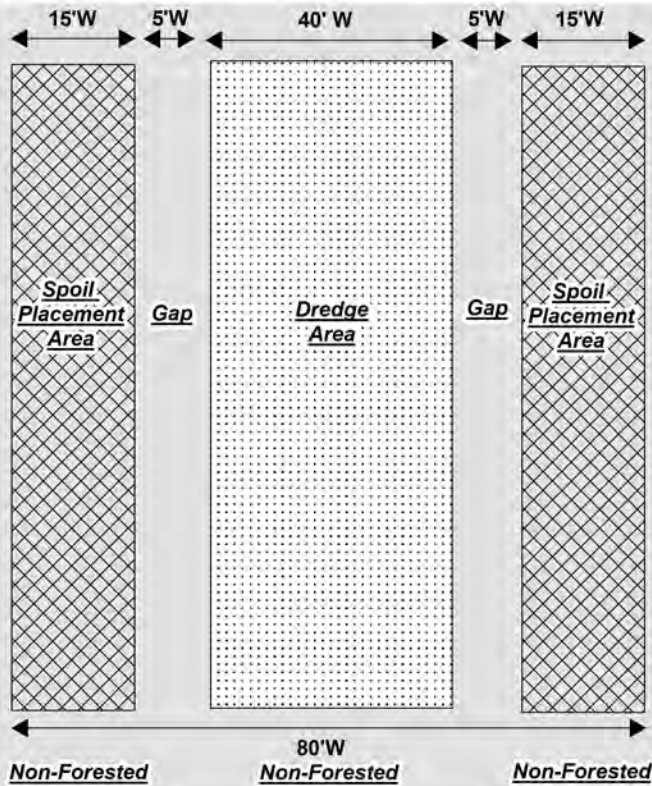
Sheet 026 of 034  
Bateman Island PB2 Well P&A  
Saint Mary Parish, Louisiana



**Typical 40' Mechanical Dredge Area Spoil Plan View (Non-Forested)**

**Typical 40' Mechanical Dredge Area Spoil X-Section (Non-Forested)**

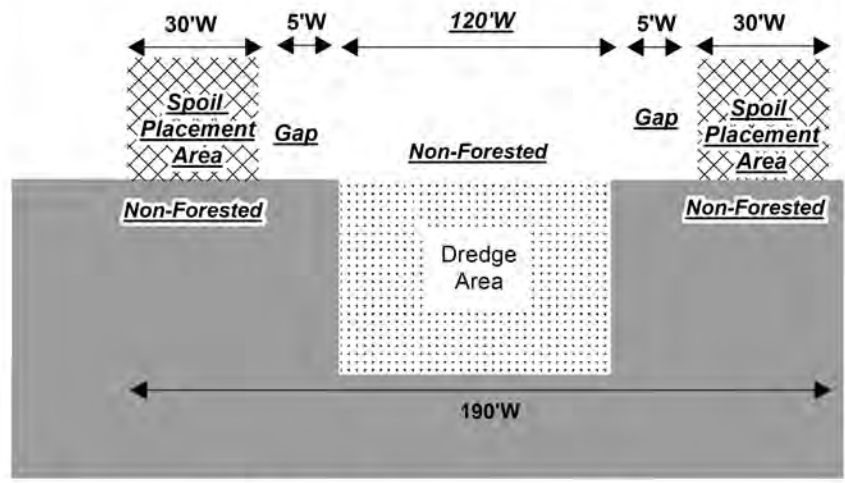
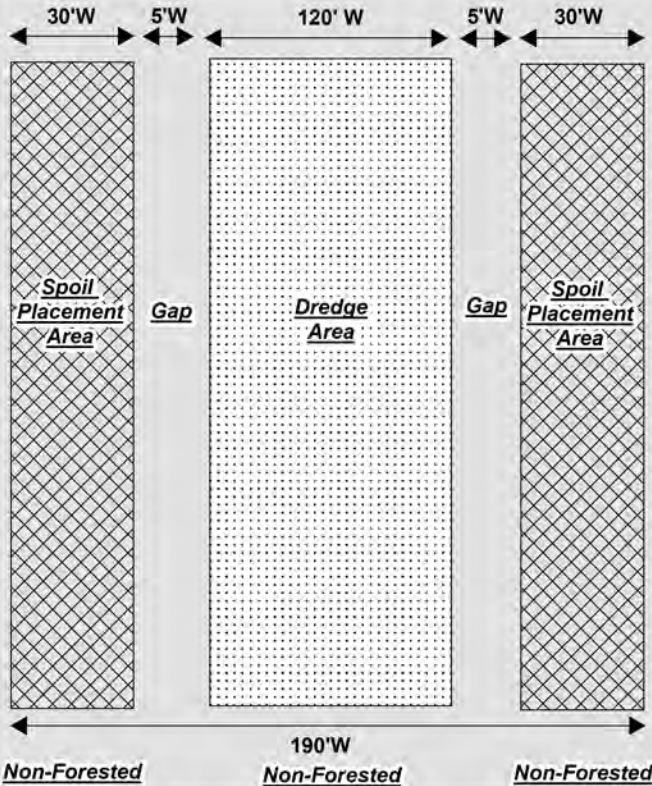
\*All Material will be placed back into dredge area  
\*See Sheet 016 Marsh Buggy Plan View and X-Section



**Typical 120' Mechanical Dredge Area Spoil Plan View (Non-Forested)**

**Typical 120' Mechanical Dredge Area Spoil X-Section (Non-Forested)**

\*All Material will be placed back into dredge area  
\*See Sheet 016 Marsh Buggy Plan View and X-Section



\*The access routes are being dredged to utilized  
**Spread A&B (Sheet 030 & 031)**  
\*6' Draft

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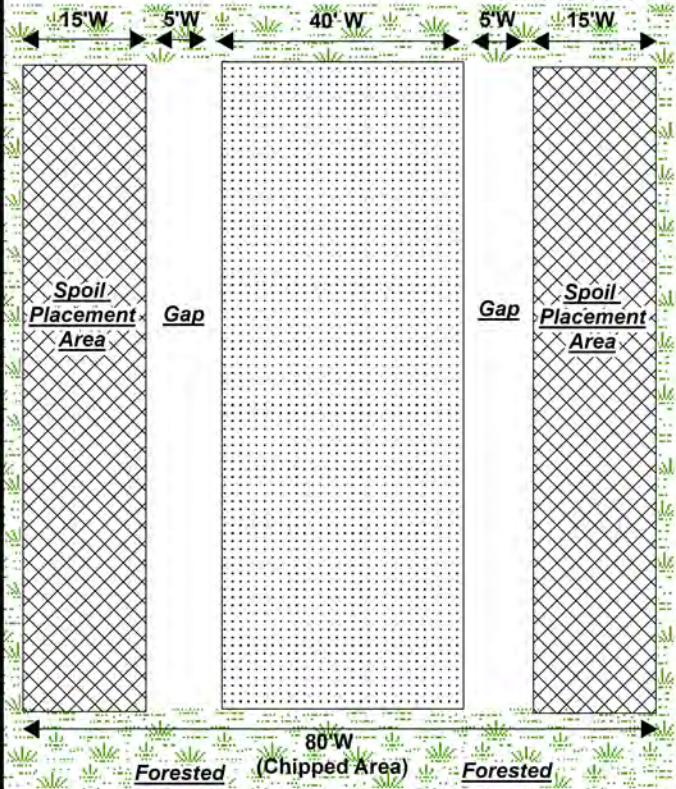
Dredge Plan View and X-Section Non-Forested

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Bateman Island PB2 Well P&A  
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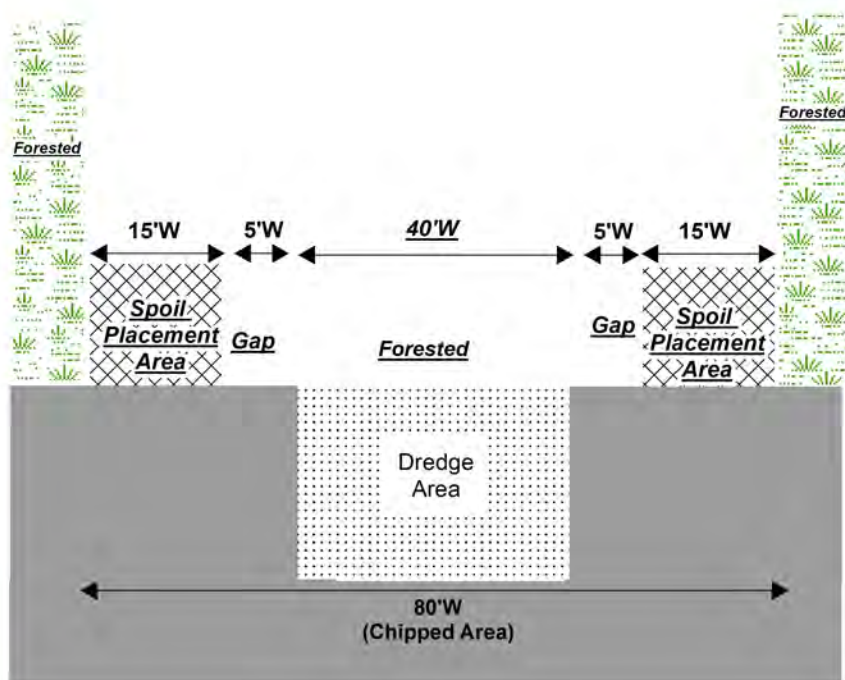


**Typical 40' Mechanical Dredge Area Spoil Plan View (Forested)**

- \*All Material will be placed back into dredge area
- \*Forested Areas will be chipped before dredging activities
- \*See Sheet 033 Marsh Buggy Plan View and X-Section

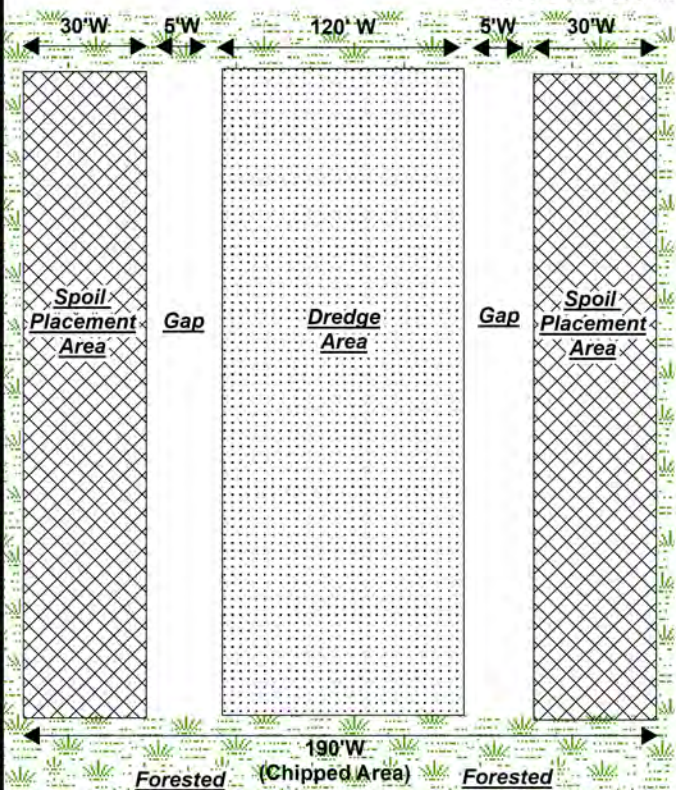


**Typical 40' Mechanical Dredge Area Spoil X-Section (Forested)**

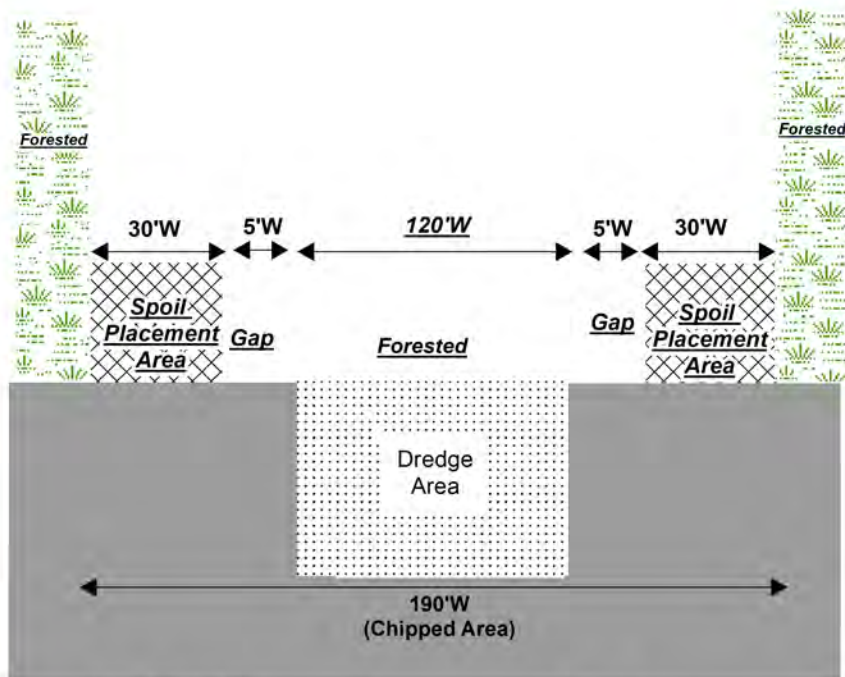


**Typical 120' Mechanical Dredge Area Spoil Plan View (Forested)**

- \*All Material will be placed back into dredge area
- \*Forested Areas will be chipped before dredging activities
- \*See Sheet 033 Marsh Buggy Plan View and X-Section



**Typical 120' Mechanical Dredge Area Spoil X-Section (Forested)**



\*The access routes are being dredged to utilized Spread A&B (Sheet 030 & 031)  
\*6' Draft

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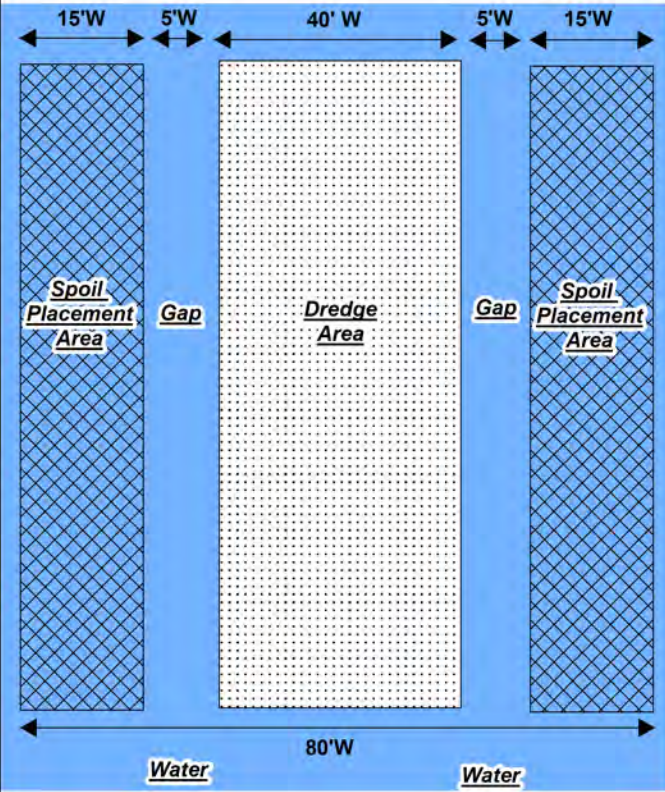
Dredge Plan View and X-Section Forested

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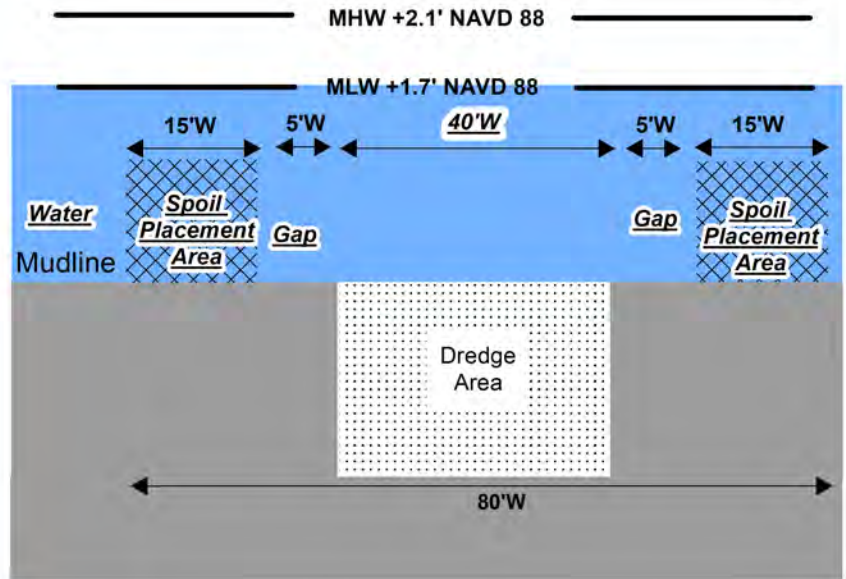


Typical 40' Mechanical Dredge Area Spoil Plan View (Water)

\*All Material will be placed back into dredge area  
 \*See Sheet 033 Marsh Buggy Plan View and X-Section

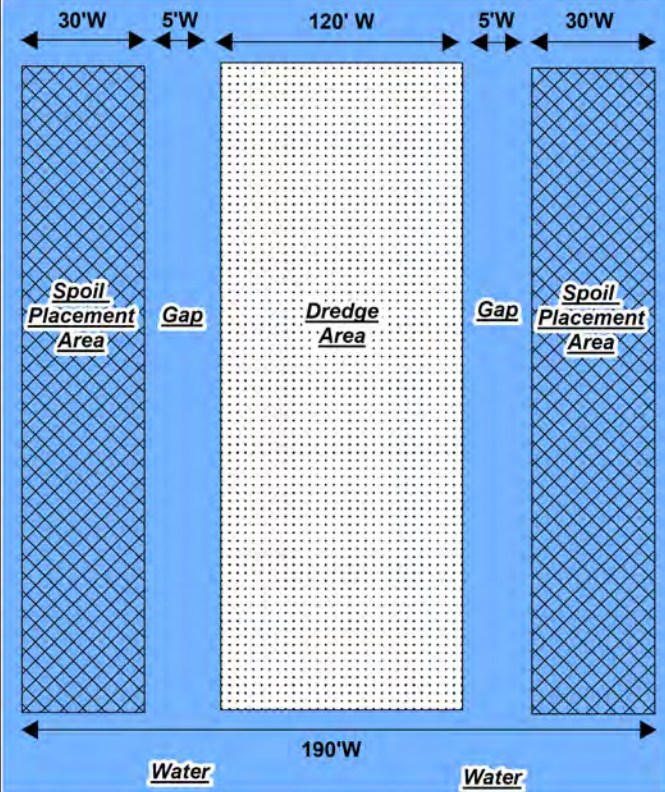


Typical 40' Mechanical Dredge Area Spoil X-Section (Water)

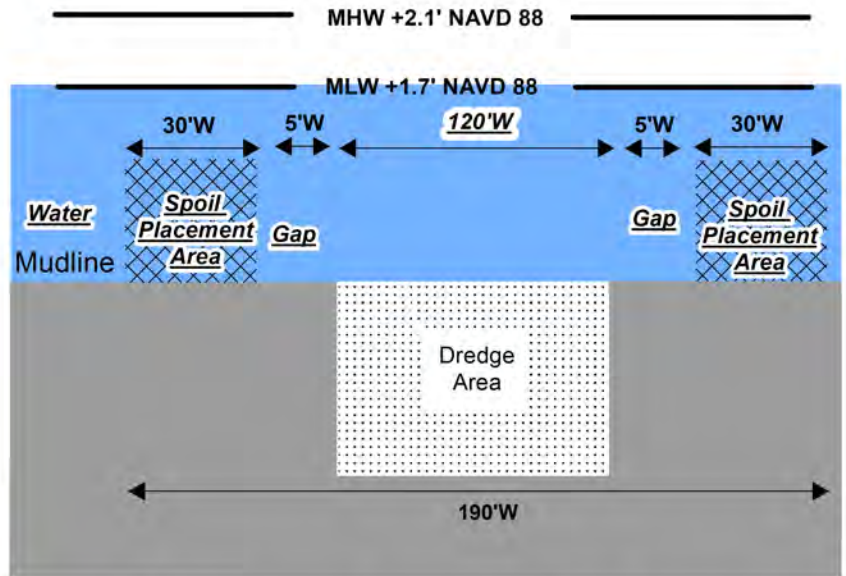


Typical 120' Mechanical Dredge Area Spoil Plan View (Water)

\*All Material will be placed back into dredge area  
 \*See Sheet 033 Marsh Buggy Plan View and X-Section



Typical 120' Mechanical Dredge Area Spoil X-Section (Water)



\*The access routes are being dredged to utilized Spread A&B (Sheet 030 & 031)  
 \*6' Draft

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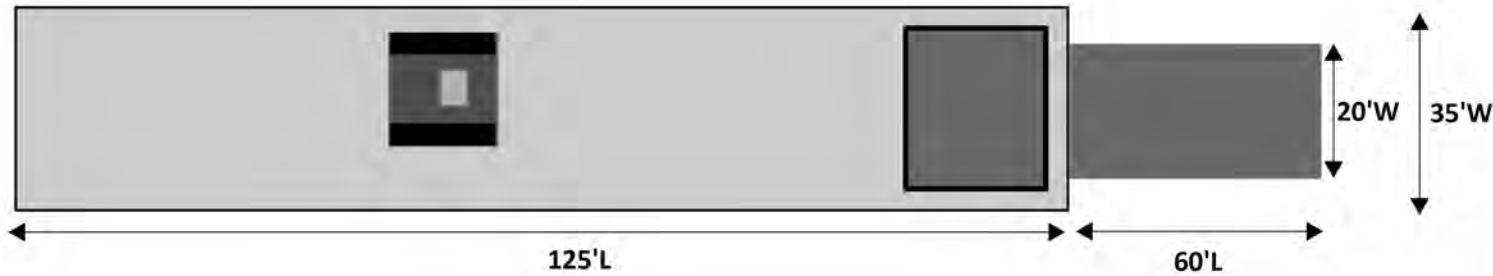
Chevron

Dredge Plan View and X-Section Water

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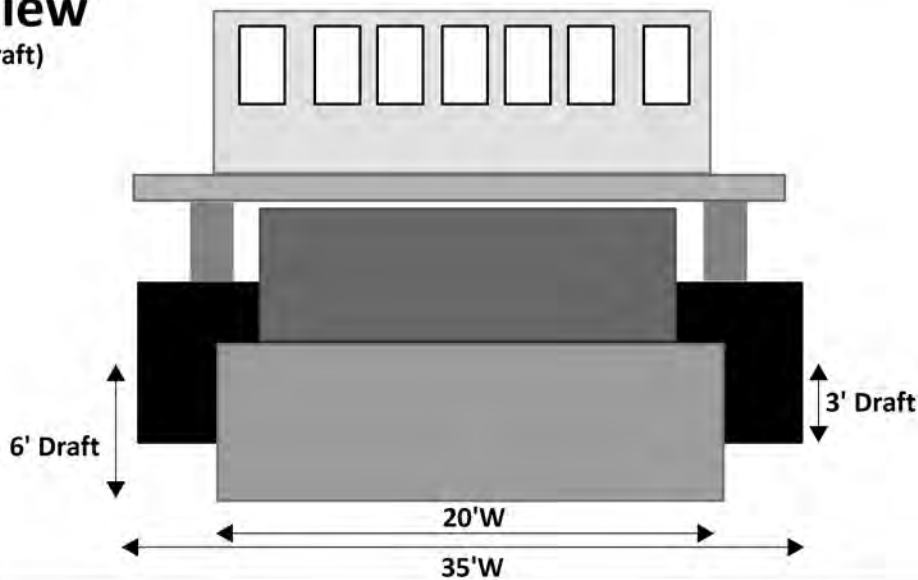
# Plan View

Work Barge 35'W x 125'L (3' Draft)  
Tug 20'W x 60'L (6' Draft)



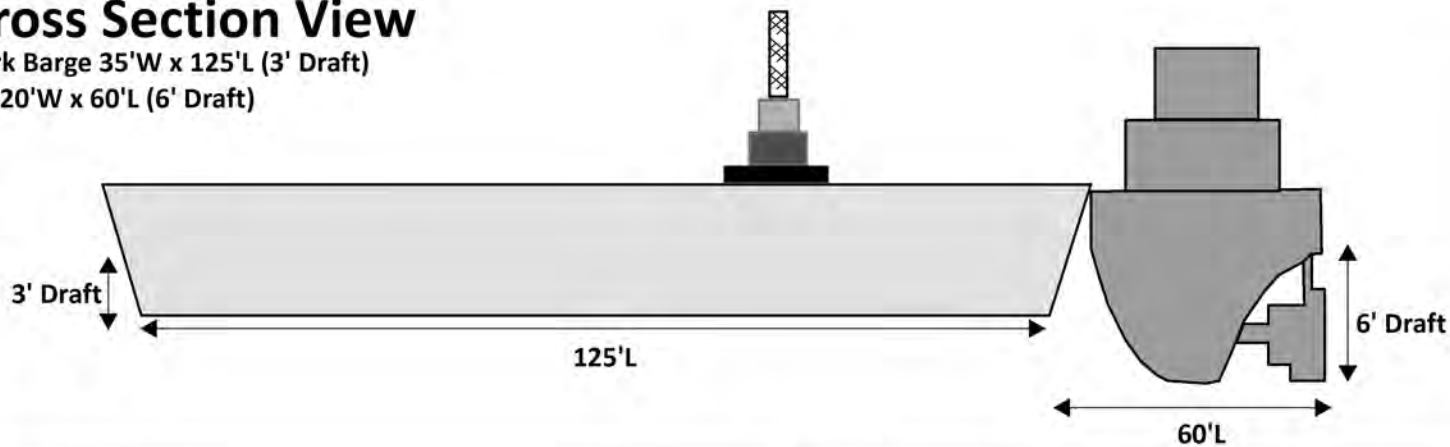
# Cross Section View

Work Barge 35'W x 125'L (3' Draft)  
Tug 20'W x 60'L (6' Draft)



# Cross Section View

Work Barge 35'W x 125'L (3' Draft)  
Tug 20'W x 60'L (6' Draft)



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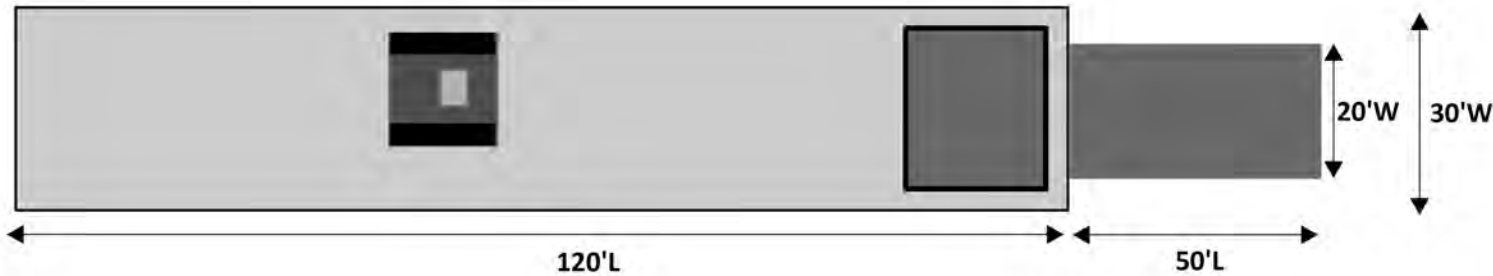
Chevron

Spread A

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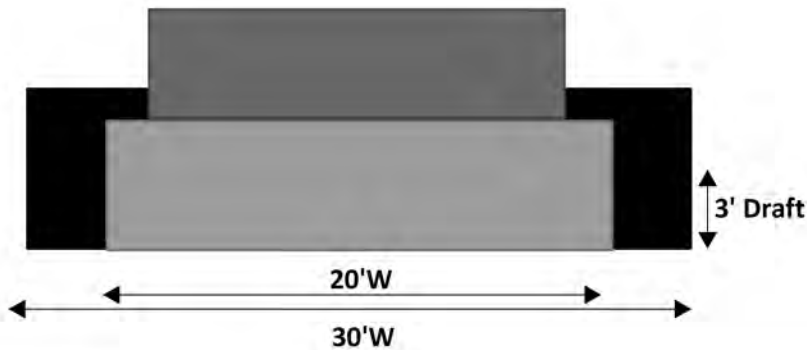
Plan View

Materials Barge 30'W x 120'L (3' Draft)  
Tug 20'W x 50'L (3' Draft)



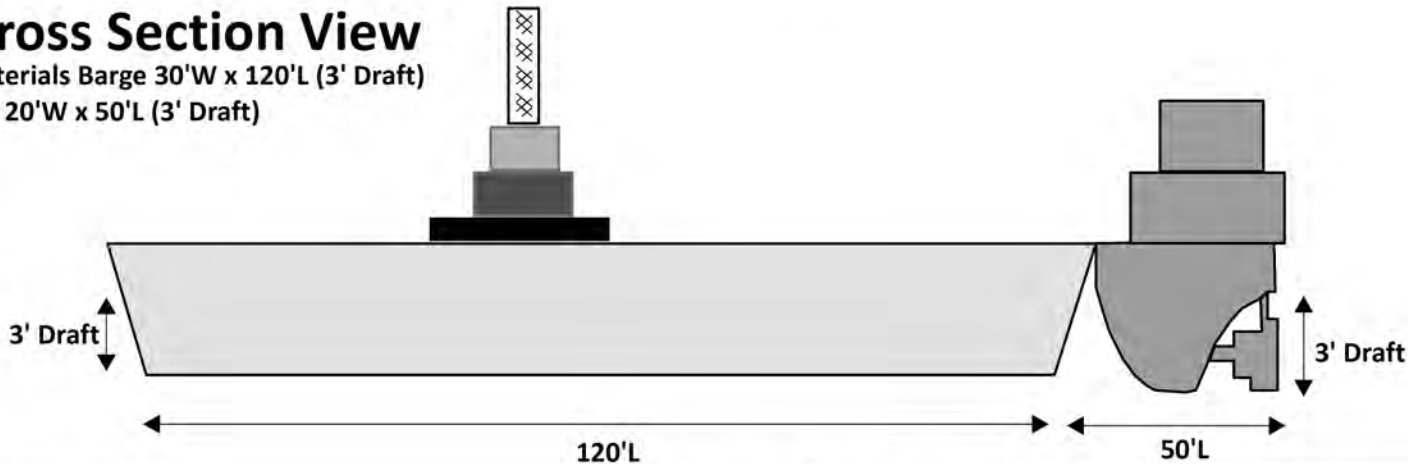
Cross Section View

Materials Barge 30'W x 120'L (3' Draft)  
Tug 20'W x 50'L (3' Draft)



Cross Section View

Materials Barge 30'W x 120'L (3' Draft)  
Tug 20'W x 50'L (3' Draft)

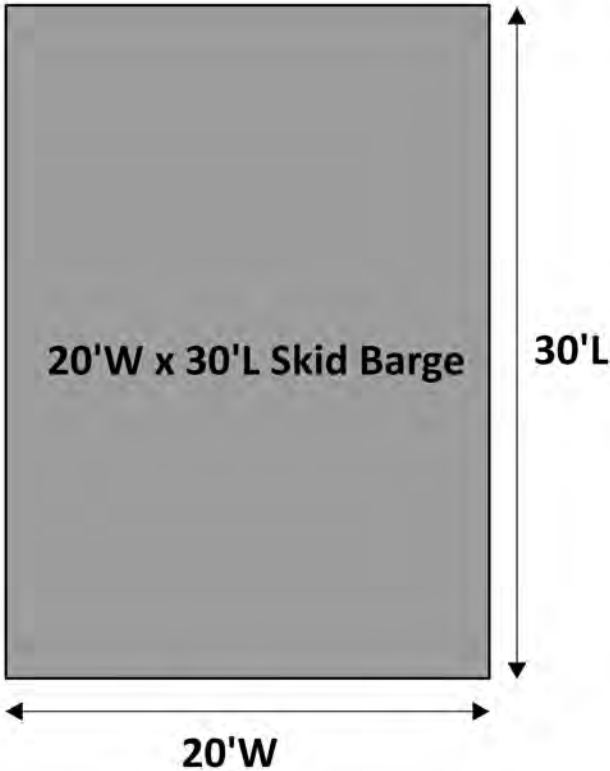


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Disclaimer: These drawings are to be used exclusively for obtaining Regulatory Permits	Sheet 031 of 034 Bateman Island PB2 Well P&A Saint Mary Parish, Louisiana



# Plan View

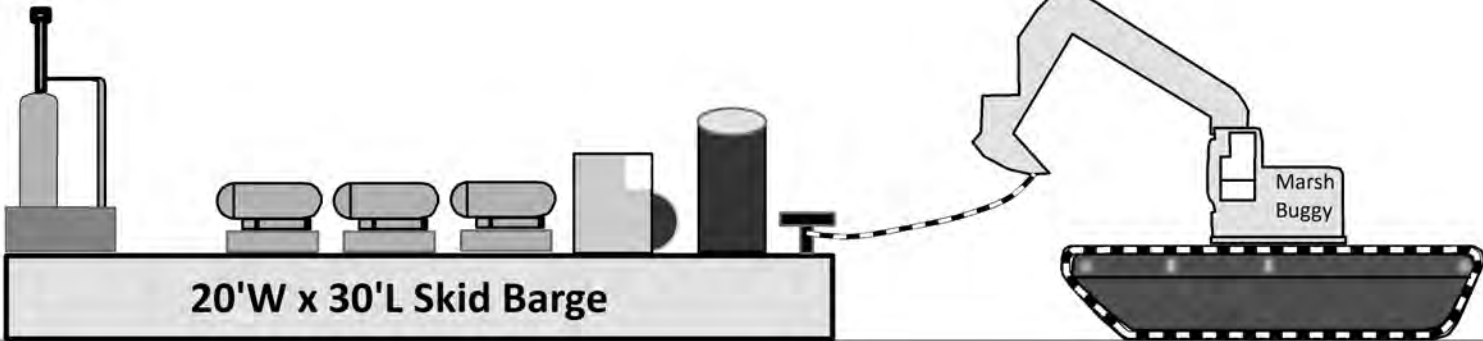
Skid Barge will be utilized for  
Infrastructure removal



# Cross Section View

Skid Barge will be utilized for  
Infrastructure removal

See Sheet 033 ( Marsh Buggy Plan View & X-Section)



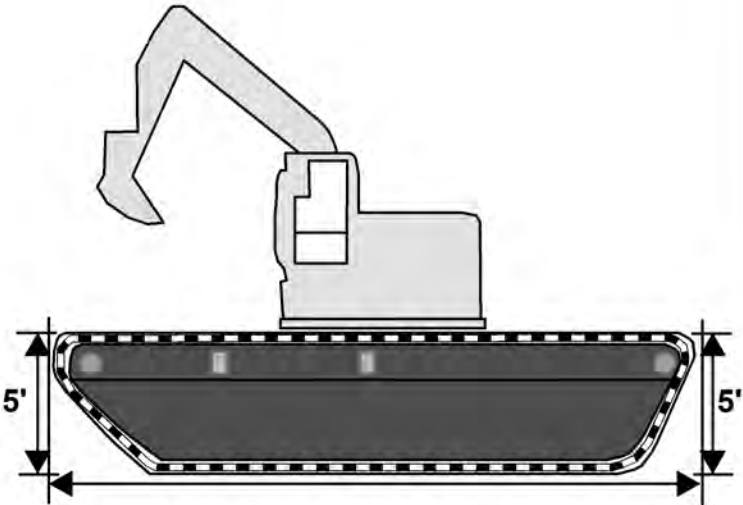
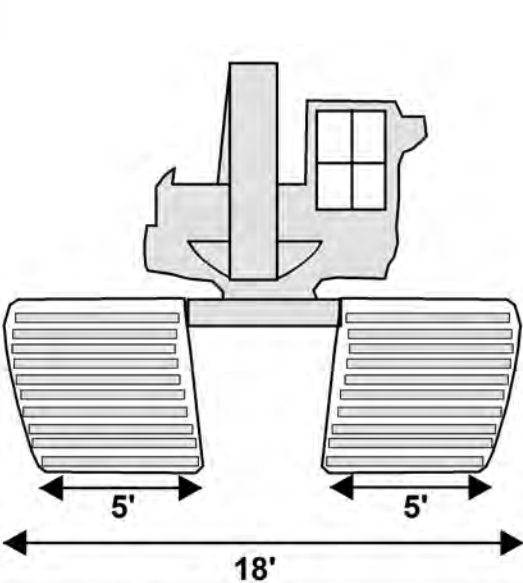
Revision:	Chevron
Date: 03/16/2023	Spread C
Disclaimer: These drawings are to be used exclusively for obtaining Regulatory Permits	Sheet 032 of 034 Bateman Island PB2 Well P&A Saint Mary Parish, Louisiana

Chipping X- Section

**\*\*Vegetation is not that dense / mostly undesirables (tallow – willow)**  
**\*\*\*All chippings will not exceed 4” in height / stay in confinement of the chipped area**



MARSH BUGGY  
TRACK DIMENSIONS



**\*Boom Length is 50'**

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# WDP Notes:

**Ecological Studies:** At this time, due to staffing constraints, Habitat Section biologists are unable to provide specific comments on this application.

**Wildlife Diversity Program:** No impacts to rare, threatened or endangered species or critical habitats are anticipated from the proposed project.

No state or federal parks, wildlife refuges, wildlife management areas or scenic rivers are known at the specified site or within ¼ mile of the proposed project.

The Wildlife Diversity Program (WDP) reports summarize the existing information known at the time of the request regarding the location in question.

WDP reports should not be considered final statements on the biological elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

If at any time WPD tracked species are encountered within the project area, please contact our biologist at 225-763-3554.

## Additional Notes:

- 1. Applicant shall contact LA One Call (811) 48 hours prior to project commencement.*
- 2. Applicant shall not discharge any drilling and/or workover effluent in the areas of proposed activity.*
- 3. Applicant shall not discharge any produced waters in the areas of proposed activity.*
- 4. Applicant, Applicant's contractors and sub-contractors shall not discharge any human waste from any vessel that does not meet or exceed the requirements of the Department of Health and Hospitals.*
- 5. If the access route traverses a currently productive oyster area, the Applicant shall secure approval of the access route from LDWF and shall ingress and egress to the project only through the approved route.*
- 6. This permit specifically does not authorize prop washing, wheel washing, dredging, or jetting beyond what is shown in the application and drawings. Any changes or variances in the location, access route, volume of material moved and/or magnitude of the area of impact shall require formal application to, and prior written authorization from, the Department of Natural Resources (DNR). The decision by DNR whether to authorize those changes will require consultation by DNR with LDWF in strict adherence to all applicable provisions of the February 2, 2005 Memorandum of Agreement between those two agencies.*
- 7. Applicant shall have at the project location float booms for containing any spills.*
- 8. All vessels utilized under this permit shall be of such size and loaded in such a manner as to not impact the water bottoms over which they pass.*

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**Project Notes**

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