

## Noel Site, Ascension Parish – Dock Feasibility Technical Memo

*The following technical memo provides a detailed summary outlining the feedback received from review of the Noel Site in Ascension Parish, LA during the NOBRA/MNSA board meeting held on October 27th, 2021. Conceptual dock layouts were developed with associated deep draft ship (650'x100') locations for each candidate site that can be reference in Attachment A.*

### Site Characteristics

- **Total Site Acreage:** 930 acres +/-
- **Batture:** 90 acres +/-
- **River Frontage:** 3,265 linear feet +/-
- **Nearest River Mile Marker:** 184

### Overview

- The Noel Site is located in Ascension Parish, Louisiana and it within Philadelphia Point.
- For general reference, the site is located along the Mississippi River Mile Marker 184.
- The conceptual dock shown in **Attachment A** was located along the southern section of the site and reaches the USACE river survey depth of approximately 20-ft. CSRS prepare a conceptual dredge area to represent the area that would likely require periodic dredging to support deep draft access.
- The location of the dock along the 20-ft contour line was strategically sited to be far enough away from the 500-ft wide navigable channel to not present a known navigational issue with deep draft and barging transportation.

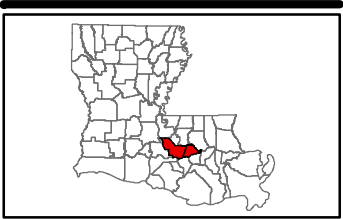
### Considerations for continued dock feasibility determination

- To support deep draft access at the proposed dock location, continued dredging and maintenance activities will likely be required.
- Feedback from the MNSA board confirm that the site is located far enough upriver to avoid any restrictions with the downriver Philadelphia Point Crossing and restricted anchorage area due to several pipeline crossings.
- It was noted that dredging of a dock site can create an unnatural bowl along the River bottom that can create a “vacuum/suction” to moored ships when other ships in transit pass. This constraint would likely not pose a major risk due to the distance away from the 500-ft wide navigable channel.



# Noel Site Overview Map

Site Exhibit for  
Noel Site  
Iberville Parish, LA



Iberville Parish    Ascension Parish

### LEGEND

- Site Boundary (908.40 Ac. ±)
- Existing Roadway**
  - 4-Lane State Highway
  - Urban State Highway
  - Rural State Highway

### General Notes:

- The information presented herein is for planning purposes only. Further detailed due diligence **MUST** be completed prior to making decisions regarding the site.
- No attempt has been made by CSRS, Inc. to verify site boundary, title, actual legal ownership, deed restrictions, servitudes, easements, or other burdens on the property, other than that furnished by the client or his representative.

Date:	10/26/2021
Project Number:	216262
Drawn By:	DWC
Checked By:	AMB

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- No other person or business entity shall have any rights with regard to our contract for this project, or any rights of reliance on this report or related documents prepared by CSRS. This work has been performed using reasonable and customary care within the scope of work and in accordance with budgetary limitations.
- Our conclusions and recommendations are based upon our observations at the site, discussions with agencies and other parties, opinions of informed parties, the reviewed documentation, any test/reports results reviewed, interviews, any other information provided/gathered and our previous experience in this area.



Scale 1:40,000  
0 2,100 4,200 Feet





# Noel Site Potential Dock Location

Site Exhibit for  
Noel Site  
Iberville Parish, LA



Iberville Parish    Ascension Parish

LEGEND

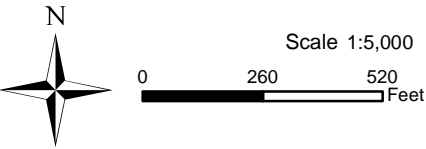
- Site Boundary (908.40 Ac. ±)
- Dredge Area
- Channel 500'
- Revetment
- Restricted Anchorage
- Panamax Ship (650' x 100')
- River Mile Marker
- Liquids/Conveyor Loading Dock

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3. River depth data taken from USACE Hydrographic Survey dated 2013.

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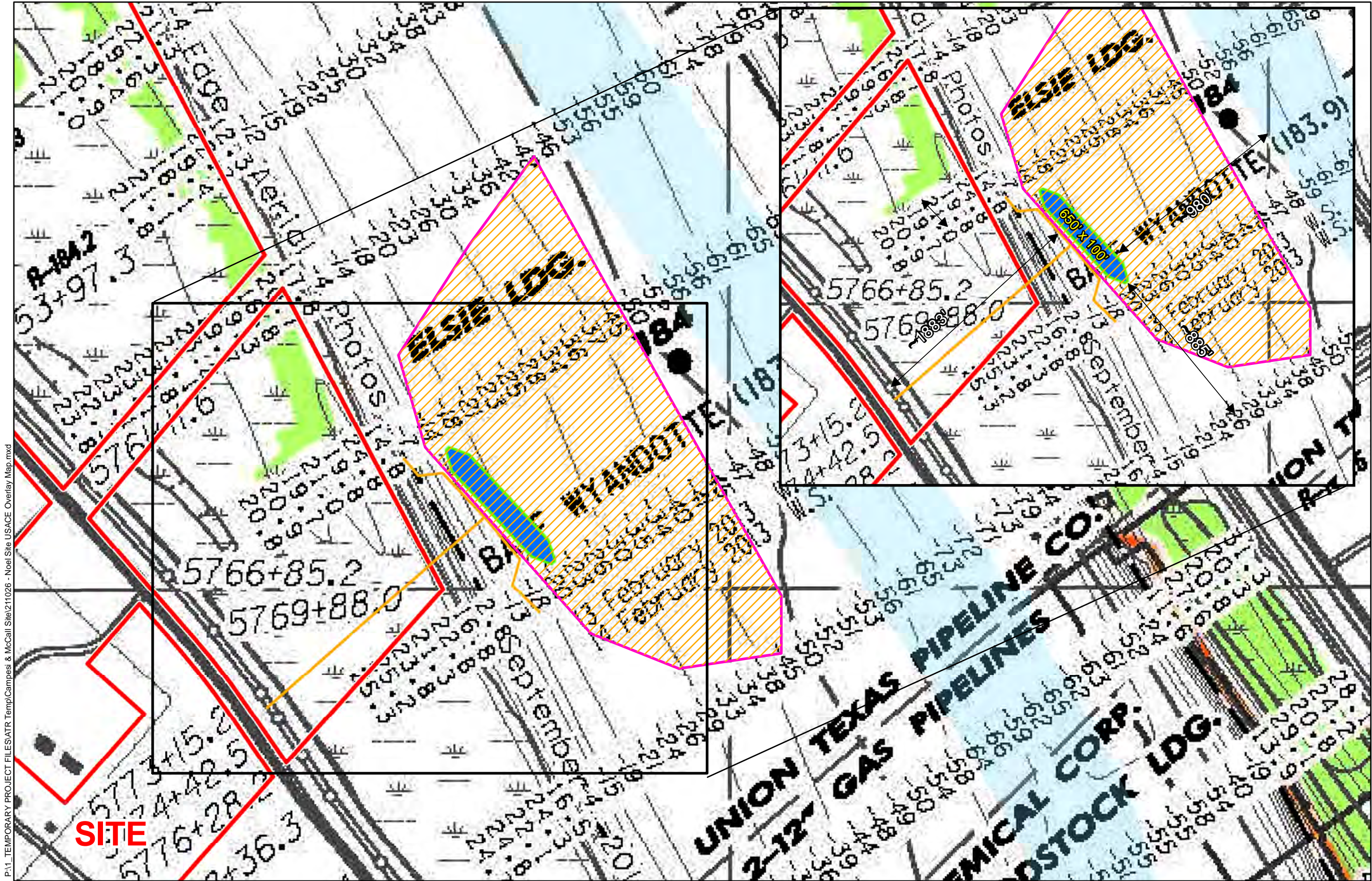


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# Noel Site Mississippi River Depth

Site Exhibit for  
Noel Site  
Iberville Parish, LA



Iberville Parish    Ascension Parish

## LEGEND

- Site Boundary (908.40 Ac. ±)
- Dredge Area
- Channel 500'
- Panamax Ship (650' x 100')
- Liquids/Conveyor Loading Dock

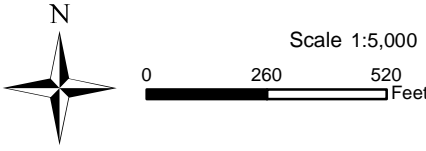
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# Noel Site Mississippi River Depth

Site Exhibit for  
Noel Site  
Iberville Parish, LA



Iberville Parish    Ascension Parish

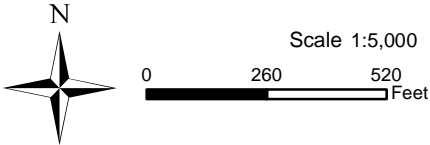
LEGEND

- Site Boundary (908.40 Ac. ±)
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