



LOUISIANA NATURAL AND SCENIC RIVERS SYSTEM

# PERMIT APPLICATION

Permit # 861 (Assigned by Department)

The Louisiana Department of Wildlife and Fisheries' Scenic Rivers program is authorized by LRS title 56, Chapter 9 Part II. This law requires permits authorizing activities in or affecting rivers that have been designated by the Louisiana Legislature as Natural and Scenic. Information provided on this form will be used in evaluating the application for a permit. Information in this application is made a matter of public record through issuance of a public notice. Disclosure of the information requested is voluntary, however, the data requested are necessary in order to communicate with the applicant and to evaluate the permit application. If necessary information is not provided, the permit application cannot be processed nor can a permit be issued.

## APPLICANT INFORMATION

Name of Applicant	Shell Pipeline Company LP	Name of Agent (if any)	Sheila Mitchell
Address	P. O. Box 2648, TSP 1563	Address	Shell Pipeline Company
Address		Address	P. O. Box 2648, TSP 1563
City, State, Zip	Houston, TX 77252	City, State, Zip	Houston, TX 77252
Phone	713.241.9929	Phone	713.241.9929

## DESCRIPTION OF THE PROPOSED ACTIVITY

Brief summary of the description and purpose of the proposed activity (details to be attached as a separate document)  
 Shell proposes constructing a 12" pipeline by horizontal directional drilling more than 20' below the bed of Bayou Trepagnier. The area around the Bayou will be cleared to perform the drill.

Is any portion of the activity complete? YES  NO  (If yes indicate month and year of completion)

## LOCATION OF PROPOSED ACTIVITY

Stream Name	Bayou Trepagnier	Names, Addresses, Phone Numbers of Adjacent Property Owners
Parish	St. Charles	Leon Sarpy, 560 Audubon Street
Section	21	New Orleans LA 70118
Township	12 South	Triton Diagonstics c/o Shell Oil Co.
Range	8 East	P. O. Box 2854
Latitude/Longitude	30 01 20 / 90 23 58	Houston, TX 77210

## ENVIRONMENTAL ASSESSMENT

Must be a separate document. See the attached instruction sheet for completing the assessment.

## CONFIRMATION OF INFORMATION ACCURACY

Application is hereby made for a Scenic River Use Permit to authorize the activities described herein. I certify that I am familiar with the information contained in this application, and that, to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities, or I am acting as the duly authorized agent of the applicant.

Sheila Mitchell, Agent  
 Signature *om*

2/11/2013  
 Date



Shell Pipeline Company LP  
P.O. Box 2648  
TSP 1563  
Houston, Texas 77252-2648

February 11, 2013

**SCENIC RIVERS PERMIT APPLICATION**  
**BAYOU TREPAGNIER**  
**GARYVILLE PARAFFINIC 12" PIPELINE**  
**CUP 20121437**  
**MVN 2012-2684 CU**  
**ST. CHARLES PARISH**

Louisiana Department of Wildlife and Fisheries  
Scenic Rivers Program  
P.O. Box 98000  
Baton Rouge, LA 70898-9000

Dear Louisiana Department of Wildlife and Fisheries:

Shell Pipeline Company has applied for permits to build a new pipeline from Garyville to Norco. A segment of the pipeline crosses Bayou Trepagnier. Shell requests a scenic river permit allowing a horizontal directional drill under the bayou and tree clearing to allow workspace for the drill. No trees will be cleared from the banks of Bayou Trepagnier.

Please contact me at 713.241.9929 or [Sheila.y.mitchell@shell.com](mailto:Sheila.y.mitchell@shell.com) if you need more information.

Sincerely,

A handwritten signature in black ink that reads "Sheila Mitchell". The signature is written in a cursive style.

Sheila Mitchell  
Agent, Representing Shell Pipeline Company LP

## ATTACHMENTS AND ENVIRONMENTAL ASSESSMENT

- 1. A complete description of the proposed project (including drawings).**

Shell proposes installing a 12" pipeline by horizontal directional drill at least 20' below the bottom of Bayou Trepagnier. Additional workspace crossing the Bayou ,132' X 355', will be cleared to complete the drill. A complete project description is attached.
- 2. A map showing the exact location of the project on the river.**

Attached
- 3. Photographs of the project site from both banks of the river (if possible) and an upstream and downstream view of the project site from the project side of the river.**

Attached
- 4. A list of all other local, state and federal permits required for this project.**

Required Permits – Coastal Use Permit, Corps of Engineers Section 404/Section 10 Permit, Parish Letter of No Objection, Scenic River Permit, LDEQ Construction Discharge Permit, Pontchartrain Levee District Letter of No Objection
- 5. An environmental assessment which includes separate evaluation of impacts on each of the following:**
  - a. Existing Land Use**

The part of Bayou Trepagnier between the refinery fence and the hurricane protection levee is used primarily for drainage/wetlands. The part of the Bayou in this area is isolated from the rest of the Bayou by the hurricane protection levee. **No impacts expected – Pipeline will be directionally drilled 60' under Bayou.**
  - b. Historical/Archeological Sites**

No historical or archaeological sites were found. **No impacts expected – Pipeline will be directionally drilled 60' under Bayou.**
  - c. Economic Impact of the Project**

The proposed pipeline is part of the \$50,000,000 expansion of the expansion of Shell's gas deliveries to the Norco refineries.
  - d. Wilderness/Rural Quality**

The part of the Bayou at the pipeline crossing is surrounded by the Parish Pump Station, Motiva's Refinery and the hurricane protection levee. The area is assessable from the levee road and there is access from the refinery. The area was used as a discharge outfall for the refinery. This section of the Bayou has been cut off from the rest of the Bayou by the hurricane protection levee. Its proximity to the pump station and the refinery lessens its wilderness/rural quality. **No impacts expected – Pipeline will be directionally drilled 60' under Bayou.**

**e. Scenic/Aesthetic Value**

The southern tip of Bayou Trepagnier is isolated from the northern part of the Bayou by the hurricane protection levee. The area around the southern section has been cleared for pipelines and is bordered by the Parish pump station and the Norco Refinery. The northern segment has great views and good recreational values. **No impacts expected – Pipeline will be directionally drilled 60' under Bayou. No trees will be cleared on banks of Bayou.**

**f. Recreational Use/Opportunities**

Canoeing, birding and kayaking. The water quality is impaired and not recommended for fishing. The southern section was not part of the recent Bayou cleanup. **No impacts expected – Pipeline will be directionally drilled 60' under Bayou.**

**g. Ecological Systems Present**

The Bayou Trepagnier area has tidally influenced wetlands. Lake Pontchartrain is the dominant hydrological influence. Bottomland Hardwoods are reported in the areas adjacent to the Bayou, south of the hurricane protection levee. Water in the Bayou is fresh to mildly brackish. **No impacts expected – Pipeline will be directionally drilled 60' under Bayou.**

**h. Fish and Wildlife in the Area**

Shrimp, Wading birds, frogs, swamp rabbits, rice rats, nutria, raccoon, owls. **No impacts expected – Pipeline will be directionally drilled 60' under Bayou.**

**i. Botanical Elements (Vegetation)**

Typical second growth wetland forest. **No impacts expected – Pipeline will be directionally drilled 60' under Bayou.**

**j. Geological Features**

The Bayou is part of the LaBranche Wetlands. Typical coastal lowlands. **No impacts expected – Pipeline will be directionally drilled 60' under Bayou.**

**K. Hydrological Features**

Bayou Trepagnier does not drain an upland watershed and the head of the Bayou no longer conveys freshwater flow into the surrounding wetlands. There have been many alterations to the Bayou channel and the natural hydrology of the surrounding wetlands has been extensively modified. **No impacts expected – Pipeline will be directionally drilled 60' under Bayou.**

**l. Water Quality/Quantity**

Water quality is impaired. The section south of the levee was not included in recent cleanup activities. **No impacts expected – Pipeline will be directionally drilled 60' under Bayou.**

**For each of these criteria, detail existing conditions, potential adverse impacts, if any, and mitigative measures being taken to minimize, eliminate or compensate for those impacts. Provide a statement of justification for each proposed action and a discussion of any alternative locations and/or methods that were**

considered. If no impacts are projected for a criterion, then state that no impact is expected and give the reasons for that conclusion.

**6. The signed original of the enclosed legal agreement.**

**7. A statement of the applicant's compliance history. (Has the applicant ever been cited for a violation of the Scenic Rivers Act?)**

Attached

**8. A detailed listing of the steps that the applicant has taken in the development of the project to minimize and/or offset potential impacts to the river.**

Shell has conducted land, cultural resources and wetlands delineation surveys to identify sensitive areas on or near Bayou Trepagnier. The proposed pipeline will be installed by horizontal directional drill. The drill exit is located 80' east of the Bayou to prevent sediment runoff from reaching the Bayou.

**9. A listing of alternatives to the proposed project.**

There are two alternative construction methods - surface excavation and boring. The open cut, surface excavation method would directly impact the bayou. The banks of the Bayou would have to be cut to lay the pipeline. Equipment, material and personnel would have to cross the bayou during construction.

Boring would require construction closer to the Bayou and possible sediment runoff.

Other routes around or through the Norco Refinery were ruled out because of safety concerns or congestion.

#### **FEES AND OTHER CHARGES**

**The administrative fee for each application is \$100.00 and must be submitted with the application. A fee of \$135.00/day will be assessed for site visits and field evaluations if they are necessary. Make check payable to: State of Louisiana Scenic River Fund**

**Mail the completed application along with six (6) complete copies, the fee, and any additional charges to:**

**Louisiana Department of Wildlife and Fisheries  
Scenic Rivers Program**

### **Project Description**

Shell Pipeline Company proposes constructing a new 12" pipeline from the Bonnet Carre Spillway's Lower Guide Levee to Motiva's Refinery, 2.41 miles.

The new 2.41 mile pipeline is part of a 19 mile pipeline construction project from Marathon's Garyville Refinery to Motiva's Norco Refinery. The connection will allow a refining by-product available at the Garyville facility to be used as feed stock at the Norco facility, a win for both refineries.

The pipeline will cross Bayou Trepagnier by horizontal directional drill, 60' below the Bayou. The drill will require a 355' X 135' temporary workspace around Bayou Trepagnier. The drill exit is approximately 80' from the end point of the Bayou. Trees will be cleared within the workspace; however, no trees will be cleared along the banks of Bayou Trepagnier. Cleared trees will be chipped and spread in the construction right of way to 0.5' or less cover.

Shell will require a 30' permanent right of way.

The wetlands delineation for the project has been submitted to the Corps of Engineers and is being reviewed by Bill Nethery as MVN 2012-02282.

Access will be along existing roads and the proposed right of way.

Mats will be used when tracked and wheeled equipment is used in wetlands.

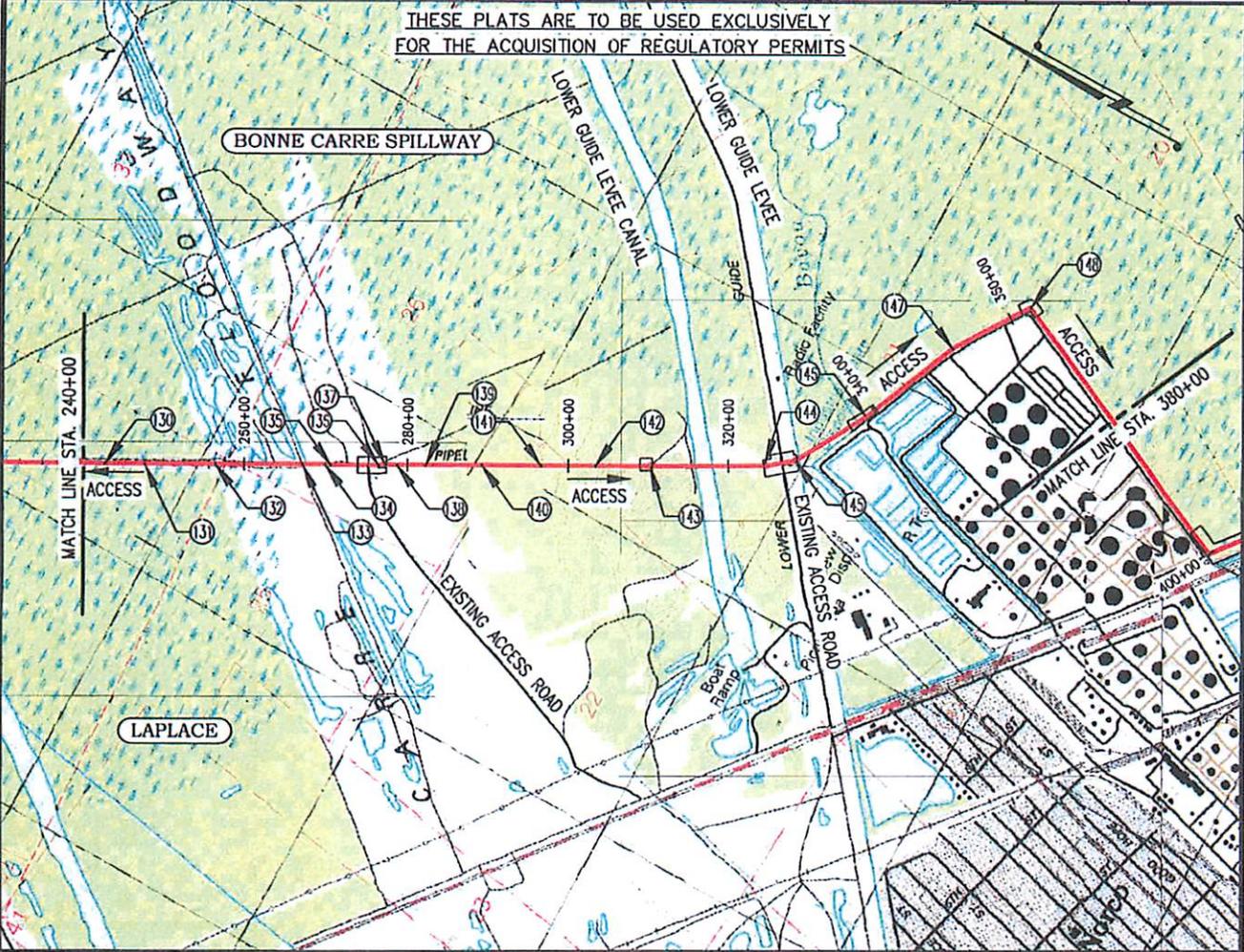
Roads will be graded as needed to prevent ruts. Wooden mats or limestone will be added to the access roads on an as needed basis. No excavation is required for road improvements. All road improvements will be within the existing road footprint. No wetlands will be impacted.

Permits or Letters of No Objection are required from the following agencies:

- The Corps of Engineers (MVN 2012-2684 CU)
- The Office of Coastal Management (P20121437)
- CPRA - LONO
- Pontchartrain Levee District, LONO
- LDWF, Scenic river
- DEQ, Water Quality Certificate
- DOTD, Utility Permits

TAG	DESCRIPTION	DET. SH.	LAT.(NAD83)	LONG.(NAD 83)	TAG	DESCRIPTION	DET. SH.	LAT.(NAD83)	LONG.(NAD 83)
130	P.I.		30°2'39.4"	90°24'53.4"	142	P.I.		30°1'46.2"	90°24'21.4"
131	P.I.		30°2'35.0"	90°24'50.8"					
132	P.I.		30°2'27.3"	90°24'46.1"	143	P.I. & H.D.D. EXIT SEE DETAIL 28	15	30°1'40.0"	90°24'17.7"
133	P.I.		30°2'17.9"	90°24'40.4"					
134	P.I.		30°2'15.5"	90°24'39.0"	144	P.I. & H.D.D. ENTRY SEE DETAIL 29	15	30°1'27.6"	90°24'10.1"
135	P.I.		30°2'14.8"	90°24'38.7"					
136	P.I. & PUSH SITE SEE DETAIL 27	15	30°2'9.7"	90°24'35.6"	145	P.I. & H.D.D. ENTRY. & END REPLACEMENT SEGMENT & BEGIN NEW SEGMENT		30°1'24.6"	90°24'7.5"
137	P.I.		30°2'9.1"	90°24'35.1"					
138	P.I.		30°2'7.8"	90°24'34.4"	146	P.I. & H.D.D. EXIT SEE DETAIL 30	15	30°1'19.5"	90°23'57.5"
139	P.I.		30°2'4.6"	90°24'32.5"	147	P.I.		30°1'14.1"	90°23'43.5"
140	P.I.		30°1'58.6"	90°24'28.8"					
141	P.I.		30°1'52.1"	90°24'25.0"	148	P.I. & ADDITIONAL SEE DETAIL 31	15	30°1'7.9"	90°23'33.4"

THESE PLATS ARE TO BE USED EXCLUSIVELY  
FOR THE ACQUISITION OF REGULATORY PERMITS



**PLAN VIEW**

SCALE IN FEET



SHEET 9

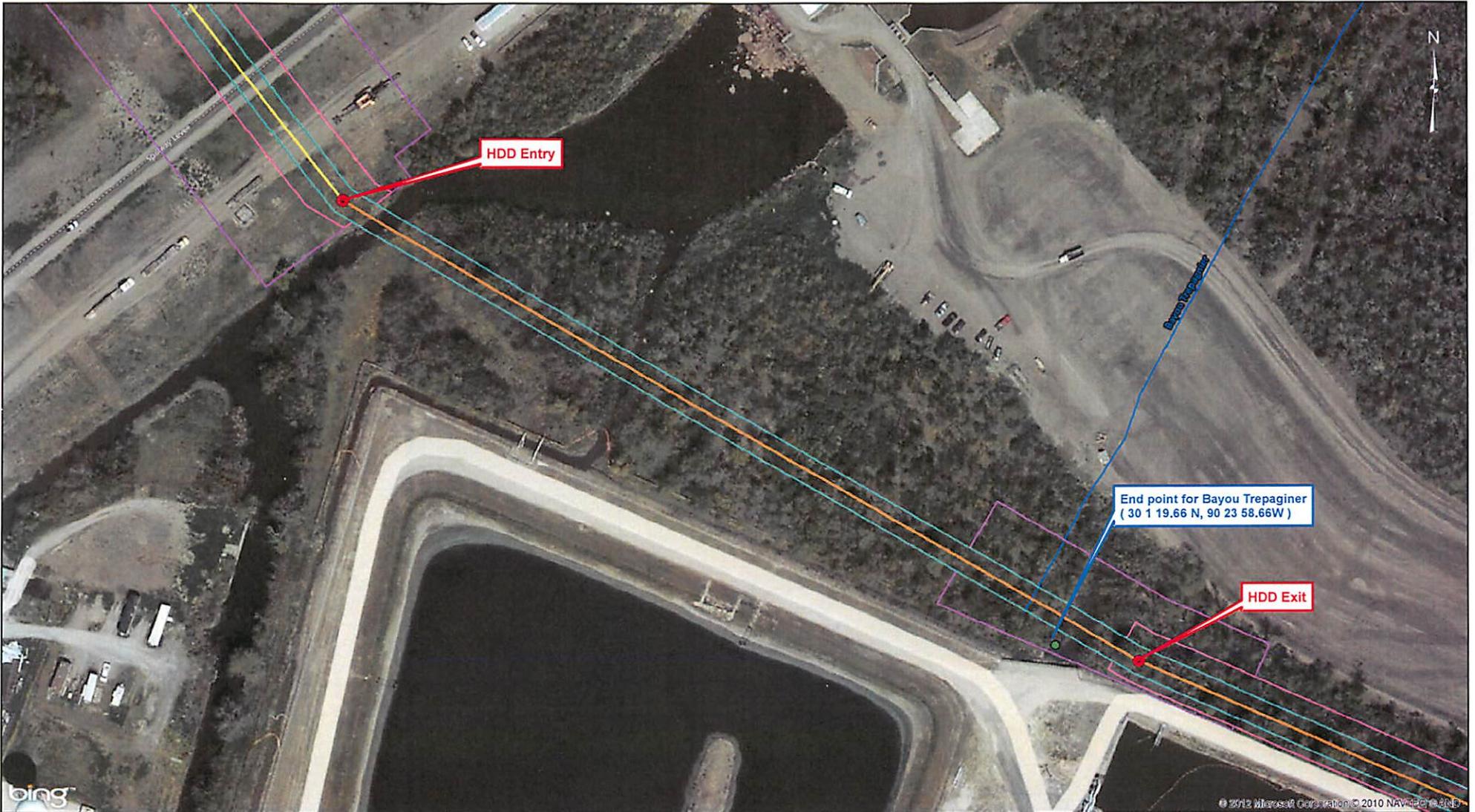
**SHELL - GARYVILLE PARAFFINIC**

**PROPOSED 12" GARYVILLE PARAFFINIC  
DRY GAS PIPELINE LOCATED IN  
ST. CHARLES PARISH, LA.**

REV	DATE	DESCRIPTION OF REVISION	ES NO.	BY	APP
A	10/10/12	ISSUED FOR PERMIT		AC	MJ

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DATE	10/10/12	SA- 91228	REV. A
DRAWN	1820806-EN-0009		



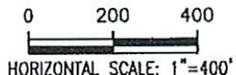
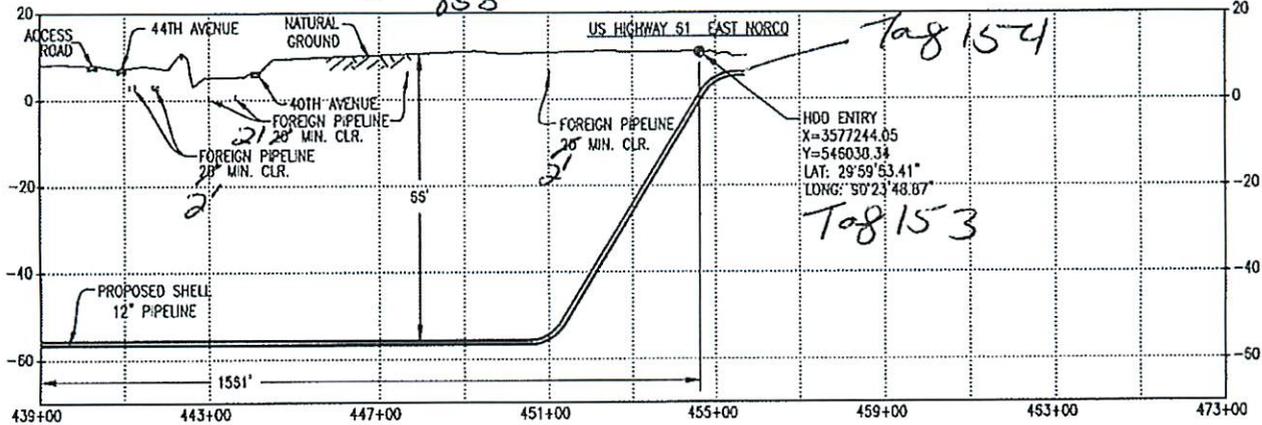
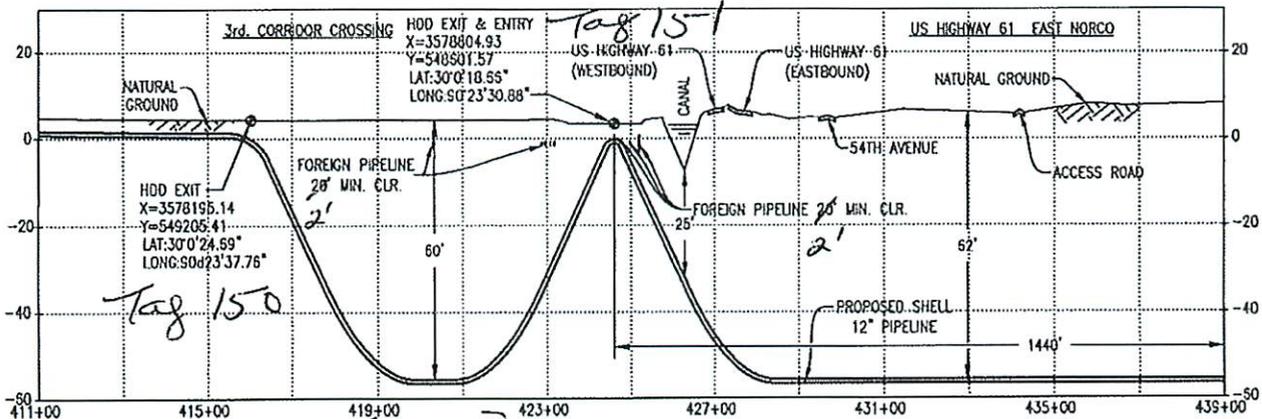
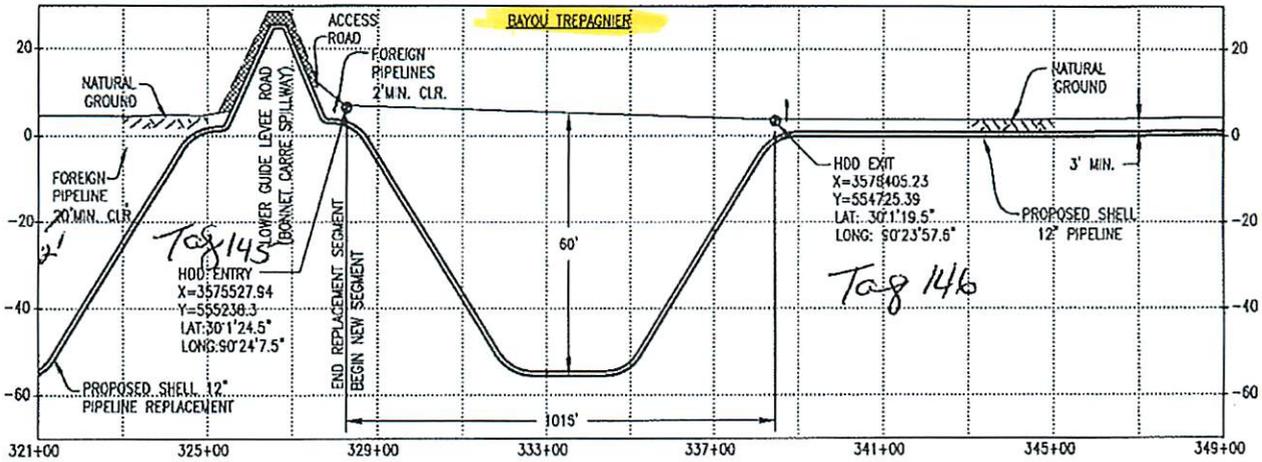
	HDD Locations		Scenic Rivers
	Proposed Centerline		Permanent Easement
	Replacement Section Centerline		Additional Temporary Workspace
	Norco Option 1		Temporary Workspace

0 62.5 125 250 375 500 Feet

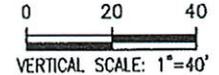
 1 inch = 100 feet 

Project Name:	Shell Garyville Paraffinic
Drawing Name:	Bayou Trepagnier Area HDD Locations
Location:	St Charles Parish, LA
Page Number:	1 of 1

THESE PLATS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS



**CROSSING DETAILS**



SHEET 40

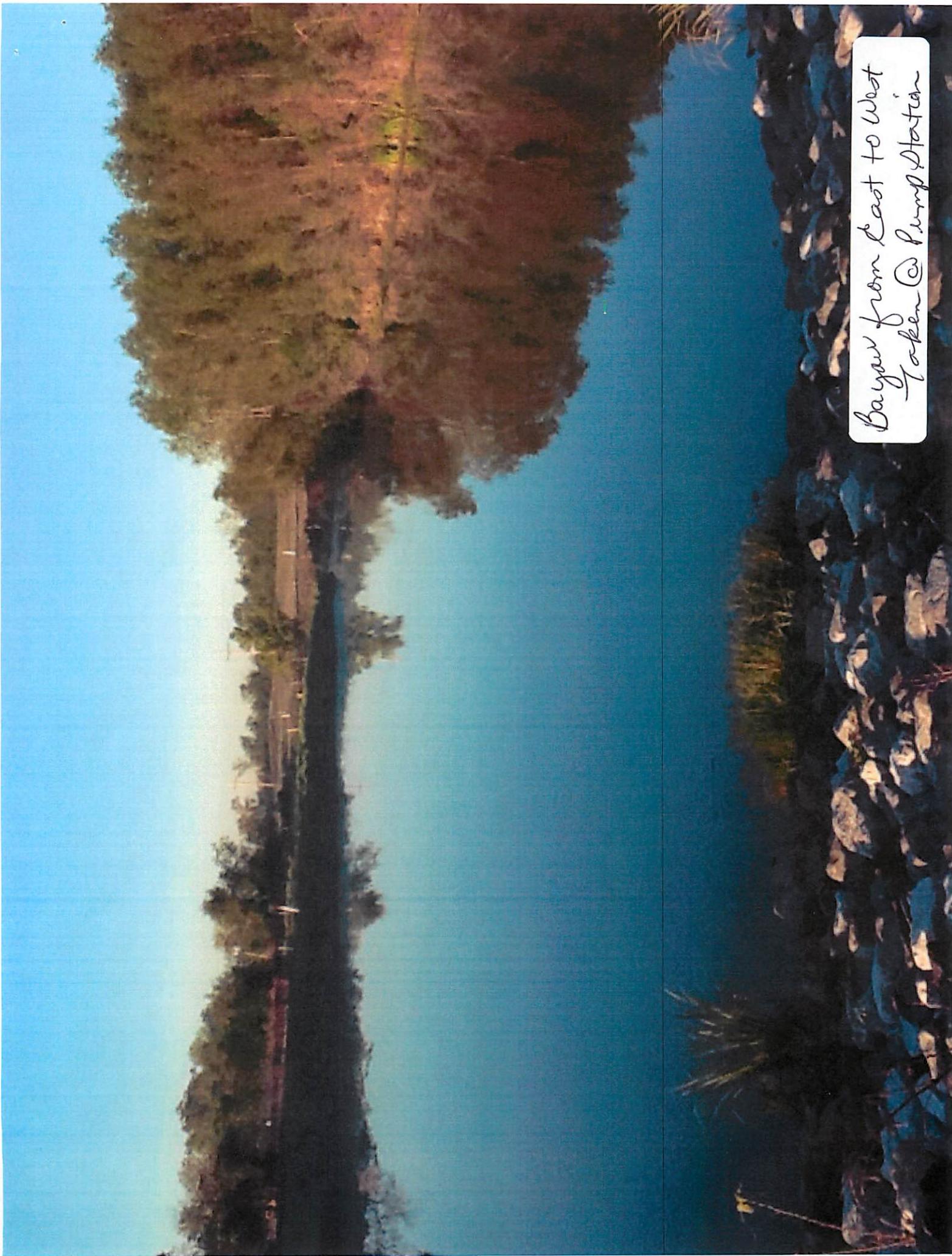
REV	DATE	DESCRIPTION OF REVISION	ES NO.	BY	APP
A	10/10/12	ISSUED FOR PERMIT		AC	MJ

**SHELL - GARYVILLE PARAFFINIC**  
**PROPOSED 12" GARYVILLE PARAFFINIC**  
**DRY GAS PIPELINE LOCATION IN**  
**ST. CHARLES PARISH, LOUISIANA**

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DATE	10/10/12	SA- 91259	REV.	A
DRAWN	1820806-EN-0040			

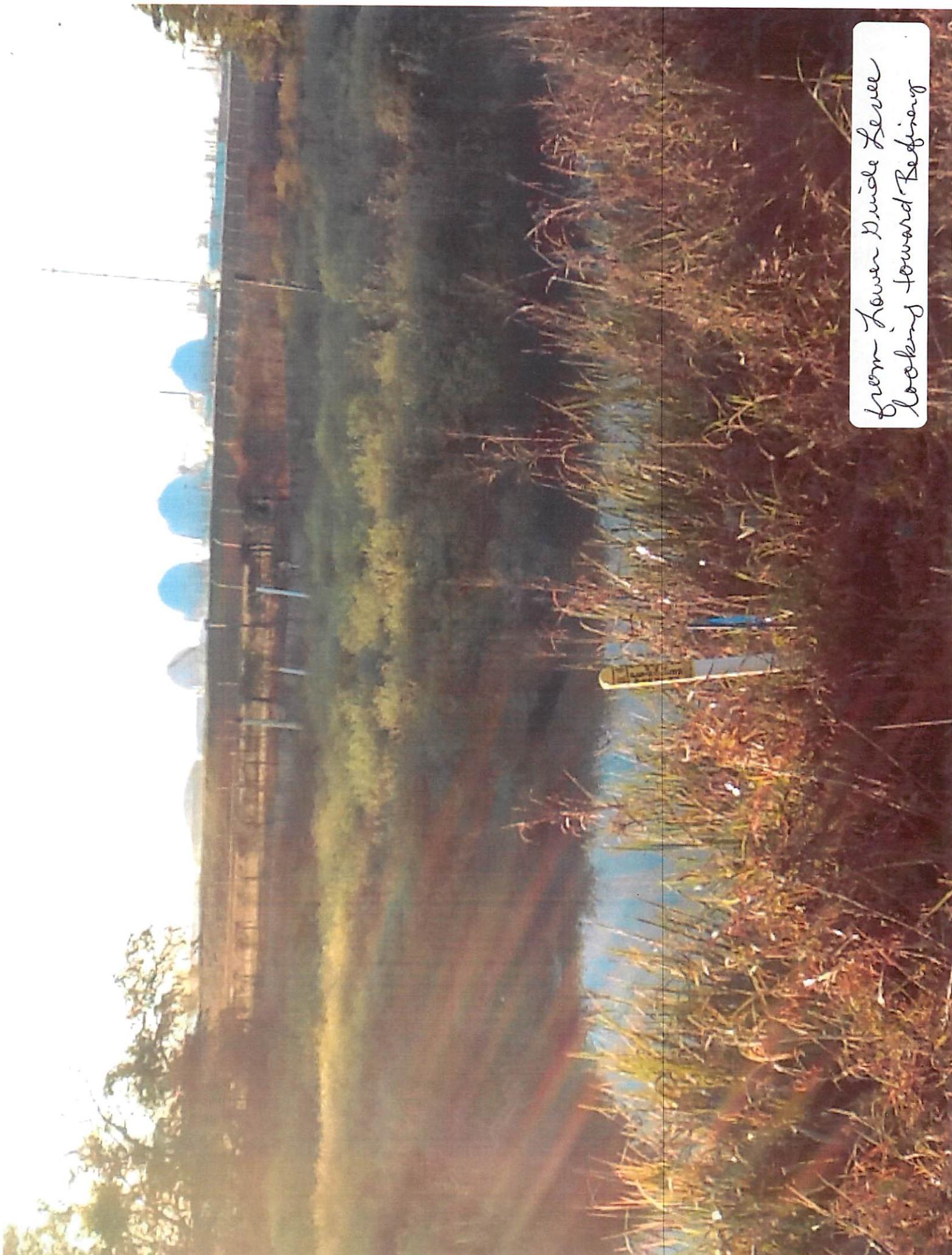
R:\Project\1820806\Discipline\Cad\Drawings\95-Environmental\DWG\PROFILES\1820806-EN-0029 - Profile HDD.dwg



Bayou from East to West  
Taken @ Pump Station



South side of Bayou

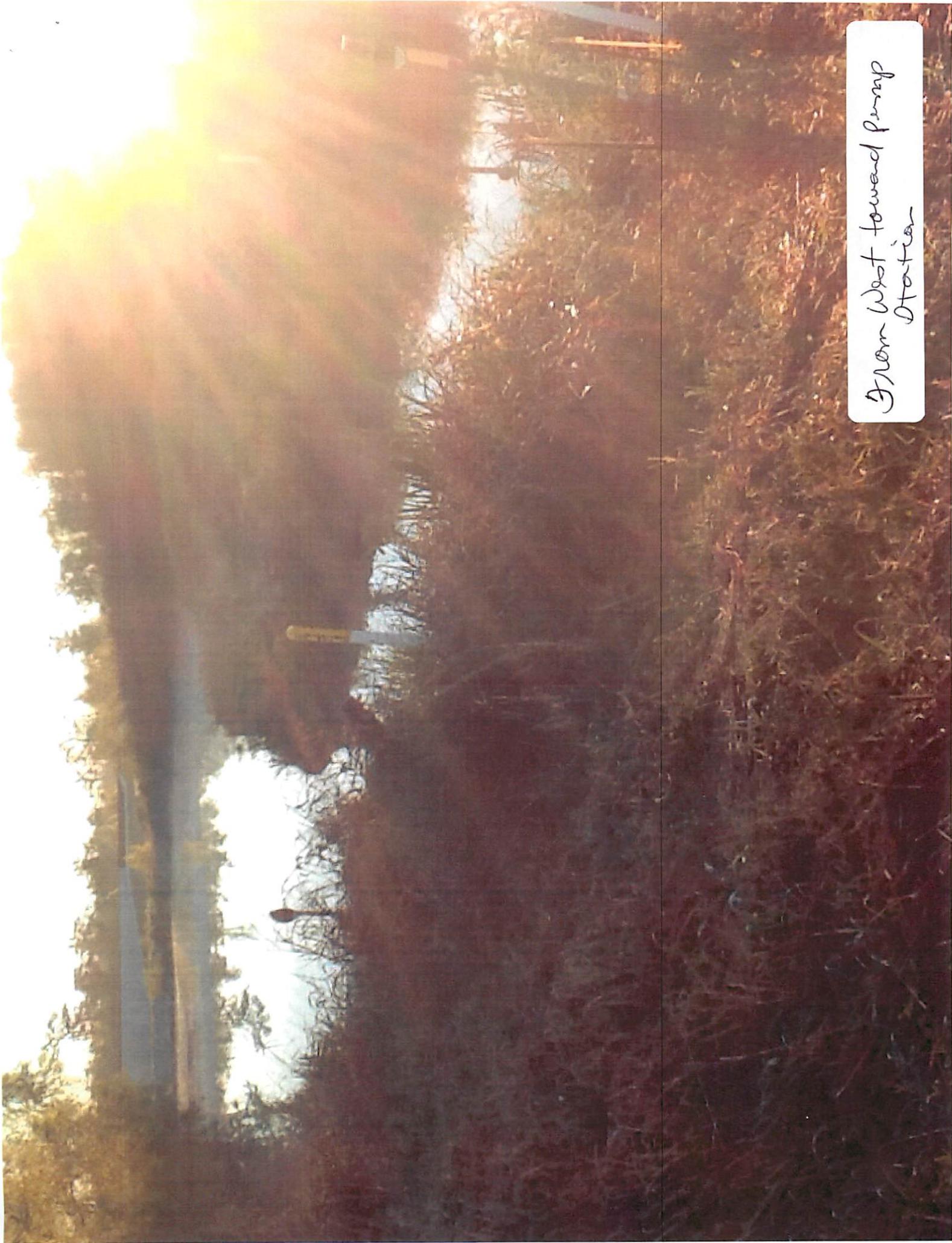


from Lower Divide Levee  
Looking toward Refinery

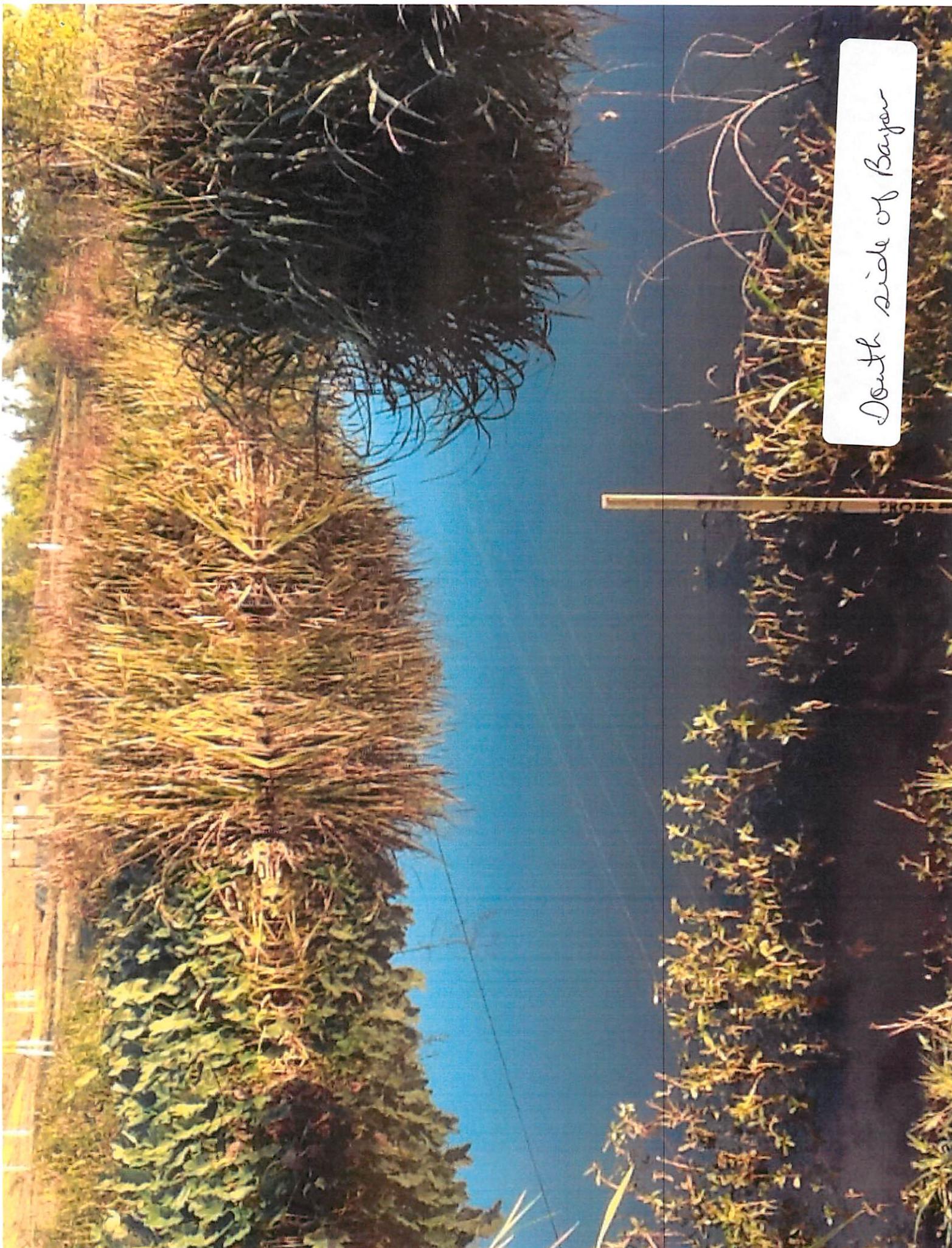


From West to East

From West toward Pump  
Station



South side of Bayou





BOBBY JINDAL  
GOVERNOR

## State of Louisiana

ROBERT BARHAM  
SECRETARY

DEPARTMENT OF WILDLIFE AND FISHERIES

Dear Scenic River Permit Applicant:

Please review and concur on the following statement regarding the issuance of permits by the Louisiana Department of Wildlife and Fisheries. This agreement must be signed and returned before a Scenic River Permit can be issued.

"I have been advised and do understand that by applying for and accepting a Scenic Rivers permit issued by the Louisiana Department of Wildlife and Fisheries, I am being allowed to engage in an activity which would otherwise be prohibited by law or for which a permit is required. I understand that the permit is not a license and confers no property right upon me. I specifically agree to abide by all State and Federal fish and wildlife laws and regulations, and all State and Federal laws and regulations which relate to this permit or the permitted activity, and by all other terms and conditions of this permit. I understand that the permit for which I am applying may be suspended, annulled, withdrawn or revoked and that I may be assessed civil penalties, all in accordance with the provision of the Louisiana Administrative Procedure Act, and that I may be denied future permits as a consequence of my failure to fully and completely comply with the terms and conditions of the permit, as well as other laws and regulations pertinent thereto. If served with or notified of a cease and desist order signed by the Scenic Rivers Administrator, I agree to immediately and without delay cease all activities and operations which relate to the permitted activity or which are impacting the Scenic River, until such time as the matter can be resolved in an adjudicatory hearing pursuant to the Louisiana Administrative Procedure Act. I understand and agree that any permit issued to me by the Louisiana Department of Wildlife and Fisheries is in the nature of a privilege which is being voluntarily extended to me by the Department and the failure on my part to cooperate with the Department can result in the loss of the privilege conferred and the denial of future requests for permits. By accepting this permit, I evidence my agreement to be bound by all conditions and stipulations set forth herein."

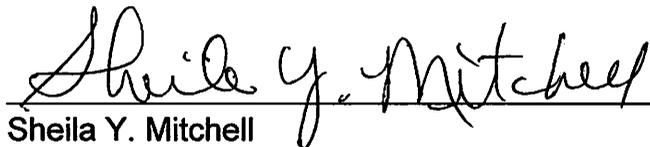
  
Authorized Signature Sheila Y. Mitchell

  
Date

Agent, Representing Shell Pipeline Company, LP

February 11, 2013

To the best of my knowledge, Shell Pipeline Company LP has never been cited for violations of the Scenic River Act.

  
\_\_\_\_\_  
Sheila Y. Mitchell  
Agent, Representing Shell Pipeline Company LP