JOINT PUBLIC NOTICE

September 17, 2018

United States Army Corps of Engineers New Orleans District Regulatory Branch 7400 Leake Avenue New Orleans, LA 70118-3651

(504) 862-2548/ FAX (504) 862-2574 Project Manager Johnny Duplantis Permit Application Number MVN-2016-00678-WPP State of Louisiana Department of Environmental Quality Post Office Box 4313 Baton Rouge, La. 70821-4313 Attn: Water Quality Certifications

(225) 219-3225/FAX (225) 325-8125 Project Manager Elizabeth Hill WQC Application Number WQC # 180911-01

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).

Application has also been made to the Louisiana Department of Environmental Quality, for a Water Quality Certification (WQC) in accordance with statutory authority contained in Louisiana Revised Statutes of 1950, Title 30, Chapter 11, Part IV, Section 2074 A(3) and provisions of Section 401 of the Clean Water Act (P.L.95-17).

CALCASIEU SALINITY CONTROL MEASURES PROJECT IN CALCASIEU PARISH

NAME OF APPLICANT: Louisiana Coastal Protection and Restoration Authority, Post Office Box 44027, Baton Rouge, Louisiana, 70804-4027.

LOCATION: Project located at approximately Latitude 29.85861, Longitude -93.34694, on the Calcasieu Ship Channel, in the community of Lake Charles, within Calcasieu Parish, Louisiana. The Project is located within the Calcasieu Watershed, Hydrologic Unit 08080206.

DESCRIPTION: The applicant proposes construction of structures designed to control saltwater entering Calcasieu Lake through the Calcasieu Ship Channel. Structures would control salinity spikes, provide storm surge benefits, and would be constructed in a manner that would allow for the continued functioning, improvement and viability of the Calcasieu Ship Channel and the Port of Lake Charles. The purpose of the proposed project is to manage the introduction of saline water from the Calcasieu Ship Channel into adjacent water bodies thereby reducing the rate of wetland loss in the project area and surrounding wetlands. To achieve, in part, the goals in the 2012 Louisiana State Master Plan, the proposed project is needed to address modifications to hydrology that have caused an increase in salinity within the project area, resulting in loss of wetlands. This project, as proposed, should achieve the following: (1) manage salinity levels in Calcasieu Lake and adjacent marshes to maintain marsh productivity and avoid marsh collapse; (2) minimize the economic impact to the navigation industry caused by potential delays in travel times resulting from any structures or modifications to the ship channel and avoid actions that cause safety issues for vessel operation; (3) achieve salinity management with minimal changes to the magnitude, frequency, duration, or extent of flood conditions in the project area. The project study area has undergone substantial land loss since 1932. The present-day Calcasieu Ship Channel cross section is more than 40 times larger than

when it was first dredged for navigation in the late 1800s. This change has affected hydrology by: channeling saltwater inland into a historically low-salinity estuary; reducing freshwater residence time when the tide ebbs; and, increasing tidal amplitude through the broader waterway. Approximately 866,160 cubic yards (cy) of material would be excavated and redeposited onsite, approximately 97,791 cy of material would be excavated and hauled offsite, and approximately 1,219,246 cy of rock material would be deposited onsite for project construction. The project would potentially affect 56,244 acres of wetlands and/or waterbottoms. Approximately 6 acres of vegetated wetlands between the water's edge and tie-in locations of adjacent spoil banks would be permanently impacted by project construction. Additionally, the project would provide 30 acres of newly constructed artificial reef and, over the life of the project, an estimated 12,000 acres of marsh would be protection and sustained.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close <u>20 days</u> from the date of this joint 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 and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, <u>ATTENTION: REGULATORY BRANCH</u>. Similar letters concerning the Water Quality Certification must reference the applicant's name and be mailed to the Louisiana Department of Environmental Quality at the address above.

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 5:00 p.m. Copies may be obtained upon payment of costs of reproduction.

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.

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 unaware of properties listed on the National Register of Historic Places near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, pre-historical, historical sites, or data. Copies of this notice are being sent to the State Archeologist and the State Historic Preservation Officer.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species. Based on the South Louisiana Standard Local Operating Procedure for Endangered Species (SLOPES), as signed on October 22, 2014, 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 waters known to be utilized by the Western Indian Manatee and determined that the activity is not likely to adversely affect this species. If this permit is issued, the permittee will be required to the follow the SLOPES Manatee conditions.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of <u>56,244</u> acre(s) 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 Department of Environmental Quality, before a permit is issued.

Any person may request, in writing, 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.

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 Coastal Resources Program. The Department of the Army permit will not be issued unless the applicant received approval or a waiver of the Coastal Use Permit by the Department of Natural Resources.

You are requested 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 Section Regulatory Branch

Enclosures



ACRONYMS AND ABBREVIATIONS:

GENERAL NOTES:

1.

2.

3.

CDF CONFINED DISPOSAL FACILITY CL. 🧉 CENTER LINE CSC CALCASIEU SHIP CHANNEL D DIAMETER EG EXISTING GRADE EL **ELEVATION** GIWW **GULF INTRACOASTAL WATERWAY** GPS GLOBAL POSITIONING SYSTEM LOCATIONS LOC MHW MEAN HIGH WATER MLG MEAN LOW GULF MI W MEAN LOW WATER NTS NOT TO SCALE POB POINT OF BEGINNING POF POINT OF ENDING R RADIUS REF REFERENCE REQ'D REQUIRED SIM SIMILAR SLL STRUCTURE LIMIT LINE STA STATION SYM SYMMETRICAL TYP **TYPICAL** UON UNLESS OTHERWISE NOTED VERT VERTICAL W/ WITH

LEGEND:

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ACCESS CHANNEL

TEMPORARY SPOIL PLACEMENT AREA

- BACKGROUND IMAGERY BASED ON NAIP (2015).
- PLANS ARE BASED ON SURVEY CONDUCTED BY LONNIE HARPER & ASSOCIATES IN 2016 AND 2017, UNLESS
- STATED OTHERWISE. THE HORIZONTAL DATUM IS NAD 83, LOUISIANA SOUTH ZONE-STATE PLANE COORDINATE SYSTEM. THE VERTICAL DATUM IS NAVD88, GEOID 12B. THE UNITS ARE U.S. SURVEY FEET.
- THERE IS NO UPLAND ACCESS TO THE PROJECT SITE. CONTRACTOR SHALL ACCESS THE PROJECT SITE FROM A NAVIGABLE WATER BODY SUCH AS THE CALCASIEU SHIP CHANNEL.
- 4. TEMPORARY ACCESS/FLOTATION CHANNEL DREDGING MAY BE REQUIRED TO ACCESS THE PROJECT SITE. ALL DREDGED MATERIAL MAY BE PLACED INTO THE TEMPORARY SPOIL PLACEMENT AREAS SHOWN. THE TEMPORARY SPOILS SHALL BE BACKFILLED INTO THE TEMPORARY ACCESS CHANNEL AT THE COMPLETION OF THE PROJECT.
- 5. PERMANENT NAVIGATION AIDS TO BE LOCATED AND MARKED/LIGHTED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.
- AS-BUILT DRAWINGS AND/OR PLATS SHALL HAVE WRITTEN ON THEM THE DATE OF COMPLETION OF SAID ACTIVITIES AND SHALL BE SUBMITTED TO THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES, OFFICE OF COASTAL MANAGEMENT, P.O. BOX 44487, BATON ROUGE, LA 70804-4487 WITHIN 30 DAYS FOLLOWING PROJECT COMPLETION.
- 7. IN ORDER TO ENSURE THE SAFETY OF ALL PARTIES, THE PERMITTEE SHALL CONTACT THE LOUISIANA ONE CALL SYSTEM (1-800-272-3020) A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION (DIGGING, DREDGING, JETTING, ETC.) OR DEMOLITION ACTIVITY.

OVERALL QUANTITY SUMMARY			
TYPE	QUANTITY		
WALL LENGTH	28,701 LF		
WALL AREA	56.04 ACRES		
ROCK VOLUME	1,219,246 CY		
PERMANENT DREDGE AREA	29.31 ACRES		
PERMANENT DREDGE VOLUME	95,791 CY		
TEMPORARY ACCESS/FLOTATION DREDGING AREA	101.61 ACRES		
TEMPORARY ACCESS/FLOTATION DREDGING VOLUME	886,160 CY		
TEMPORARY SPOIL PLACEMENT AREA	130.42 ACRES		
TEMPORARY ACCESS CORRIDOR AREA	11.61 ACRES		

OVERALL ESTIMATED IMPACT			
TYPE	QUANTITY		
PERMANENT IMPACTED VEGETATED WETLANDS	5.29 ACRES		
TEMPORARY IMPACTED VEGETATED WETLANDS	10.96 ACRES		
PERMANENT IMPACTED SUBMERGED BOTTOM	50.19 ACRES		
TEMPORARY IMPACTED SUBMERGED BOTTOM	232.03 ACRES		

OVERALL ESTIMATED BENEFITS			
TYPE QUANTITY			
DIRECT BENEFITS			
50-YEAR PROTECTION			

APPLICATION BY: STAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE STREET BATON ROUGE, LA 70802		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE STREET	CALCASIEU SALINITY CONTROL MEASURES	GENERAL NOTES
		BATON ROUGE, LOUISIANA 70802	STATE PROJECT NUMBER: CS-65	DATE: 20-APR-2018
DRAWN BY: SPF	DESIGNED BY: LRM	APPROVED BY: BR	FEDERAL PROJECT NUMBER:	SHEET 2 OF 19

			GIWW	то Неперетт'я Мапіла Саlcasieu Lake
USFWS West Cove Boar Launch		West Cove	Calcasieu Ship	
			FERRY	2017 NAIP
APPLICATION BY: TETRA TECH 748 MAIN STREET, SUITE B BATON ROUGE, LA 70802		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERACE STREET ENTON POLICE LOUISIANA Z0002	CALCASIEU SALINITY CONTROL MEASURES	ACCESS PLAN
DRAWN BY: HMC	DESIGNED BY: BR	APPROVED BY: SDG	STATE PROJECT NUMBER: CS-65 FEDERAL PROJECT NUMBER:	DATE: SHEET 3 OF 18





LIMITS OF CONSTRUCTION, TYP								
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			P			CALCASIEU RIVER		
		APF	PROXIMATE S	SHORELINE -	<u> </u>	19 TYP 2		
						LOCS	APPROXIMATE S	HORELINE
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		POIN	тв —	4	В			
WE	ST PASS QUANTI							
	TYPE	QUANTIT	$\overline{\mathbf{Y}}$	N/				
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	WALL AREA	0.97 ACRI	ES \					
R	OCK VOLUME	39,613 C	Y \	<u> </u>				POINT A
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TEMPORA	RY SPOIL PLACEMENT	0.79 ACR	ES					
TEMPORAF	AREA RY ACCESS CORRIDOR	1 22 4 CDI	-0					
	AREA	1.52 ACR			REACH B	REACH 4.		
WE	EST PASS ESTIMA	TED IMPACT				SHEET 17		
	TYPE	QUANTIT	Y					
PERM	ANENT IMPACTED	0.36 ACRI	ES		TYP 2			
TEMPO	ORARY IMPACTED	1.20 ACR	ES			→ ^{4'}		
PERM	ANENT IMPACTED			4' C				
SUBM	VERGED BOTTOM	0.61 ACRI	ES		ACH 4, \	└── REACH D		
SUBN	ORARY IMPACTED	1.48 ACR	ES	SH	EET 17 - REACH D	REACH A	MHW= +0.77 F	-T
						KEACH B	MHW= -0.09 F	т
	ALIGNMENT 1	ABLE					(NAVD 88)	
			_					ARRIER
Point	LATITUDE	LONGITUDE				=	749 LINEAR FEET	
A	N29° 49' 21.66"	W93° 21' 27.3	3"					
В	N29° 49' 32.05"	W93° 21' 27.2	1"		WEST PASS	0 	200	400
					SCALE: 1" = 400'			Feet
	APPLICATION BY:				COASTAL PROTECTION	CAI CASIFU SALI	INITY	WEST PASS
COASTAL PROTE	ECTION AND RESTORAT 150 TERRACE STREET	ION AUTHORITY			AND RESTORATION	CONTROL MEAS	URES	
B	BATON ROUGE, LA 70802	2			AUTHORITY			
					BATON ROUGE, LOUISIANA 70802	STATE PROJECT NUMBER: CS-65		DATE: 20-APR-2018
DRAWN BY: VR			DESIGNED BY:	LRM	APPROVED BY: BR	FEDERAL PROJECT NUMBER:		SHEET 6 OF 19
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LAKE WALL SCALE: 1" = 2500'

PROPOSED SALINITY BARRIER = 21,830 LINEAR FEET

MHW= +0.75 FT MLW= +0.02 FT (NAVD 88)

	ALIGNMENT TABLE				
Point	LATITUDE	LONGITUDE			
А	N29° 53' 54.55"	W93° 20' 16.74"			
В	N29° 53' 03.83"	W93° 20' 27.57"			
С	N29° 52' 37.97"	W93° 20' 29.01"			
D	N29° 52' 32.03"	W93° 20' 29.00"			
E	N29° 50' 17.96"	W93° 20' 39.20"			

LAKE WALL QUANTITY SUMMARY				
TYPE	QUANTITY			
WALL LENGTH	21,830 LF			
WALL AREA	42.50 ACRES			
ROCK VOLUME	952,957 CY			
PERMANENT DREDGE AREA	25.95 ACRES			
PERMANENT DREDGE VOLUME	83,729 CY			
TEMPORARY ACCESS/FLOTATION DREDGING AREA	89.02 ACRES			
TEMPORARY ACCESS/FLOTATION DREDGING VOLUME	789,928 CY			
TEMPORARY SPOIL PLACEMENT AREA	113.12 ACRES			
TEMPORARY ACCESS CORRIDOR AREA	1.51 ACRES			

LAKE WALL ESTIMATED IMPACT			
TYPE	QUANTITY		
PERMANENT IMPACTED VEGETATED WETLANDS	0.53 ACRES		
TEMPORARY IMPACTED VEGETATED WETLANDS	1.40 ACRES		
PERMANENT IMPACTED SUBMERGED BOTTOM	41.93 ACRES		
TEMPORARY IMPACTED SUBMERGED BOTTOM	202.14 ACRES		

APPLICATION BY: COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE STREET BATON ROUGE, LA 70802		COASTAL PROTECTION AND RESTORATION AUTHORITY 150 TERRACE STREET	CALCASIEU SALINITY CONTROL MEASURES	LAKE WALL KEY PLAN
	BATON ROUGE, LOUISIANA 70802	STATE PROJECT NUMBER: CS-65	DATE: 20-APR-2018	
DRAWN BY: VR	DESIGNED BY: LRM	APPROVED BY: BR	FEDERAL PROJECT NUMBER:	SHEET 9 OF 19



















