PHASE IV DEBRIS REMOVAL SURVEY
Preliminary Environmental Unit Review

Waterway: Bayou Chopique, 7540

NOAA reviewer: Troy Baker J.B.

Date: 9/29/2008

Checklist of Environmental Factors – Assess the potential for impacts to the following resources/areas and coordinate as necessary:

- [x] Habitat/environmental sensitivity – brackish marshes
- [ ] Threatened/endangered species –
- [ ] Cultural/historical resources
- [ ] Oyster habitat
- [ ] State/federal/tribal lands
- [ ] Scenic waterway

Summary and Conclusions of Environmental Review:

Habitat/environmental sensitivity: The waterway is surrounded by brackish marsh vegetation. Limit activities to the river channel to avoid affecting habitat.

Threatened/endangered species: No TES species known in waterway

Cultural/historical resources: No known resources at this time.

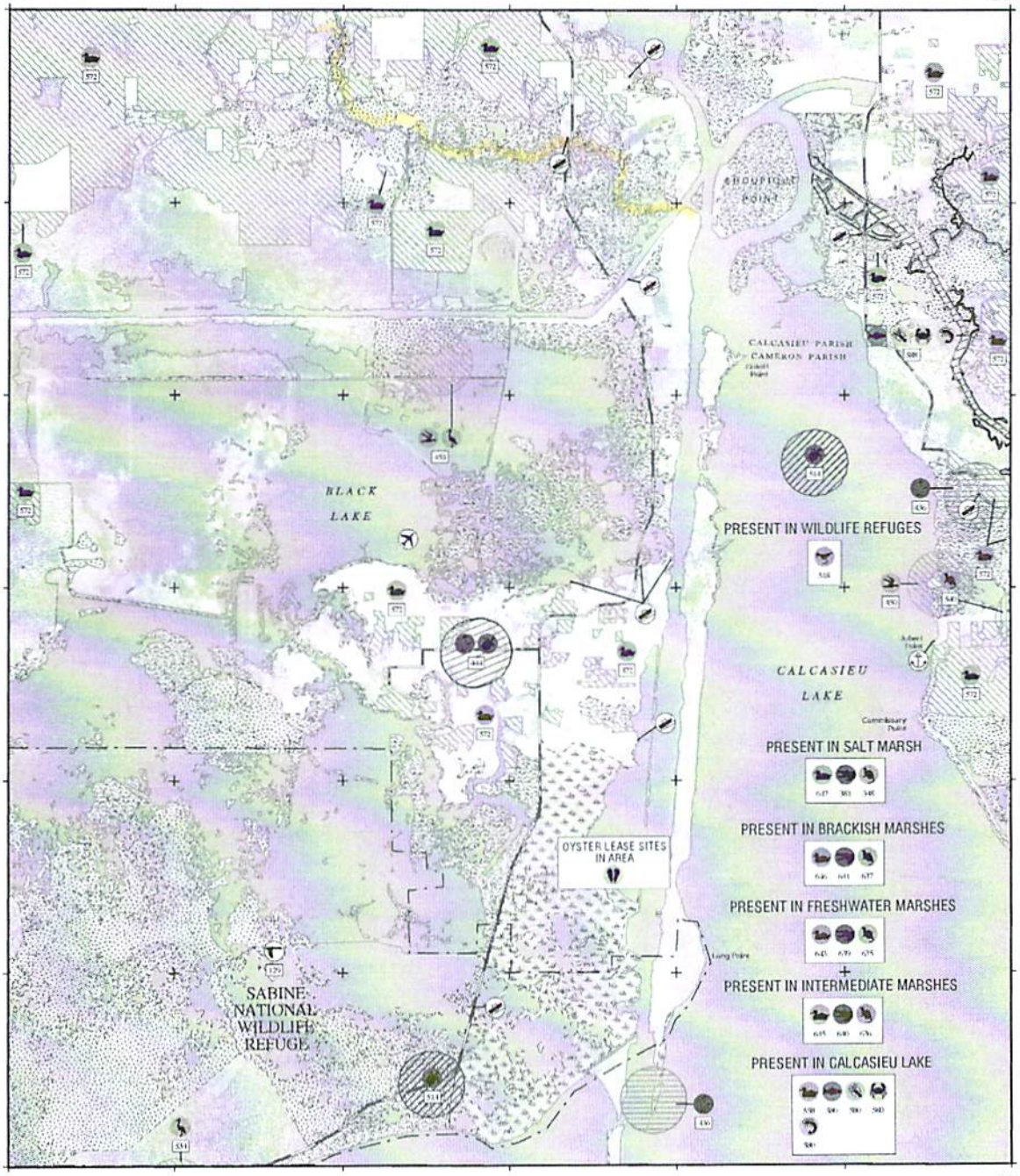
Oyster habitat: None in waterway.

State/federal/tribal lands: No public lands in waterway.

Scenic waterway: Not a scenic waterway.

ENVIRONMENTAL SENSITIVITY INDEX MAP

7540
Bayou
Choupique



SHORELINE

1988 SHORELINE
2001 SHORELINE

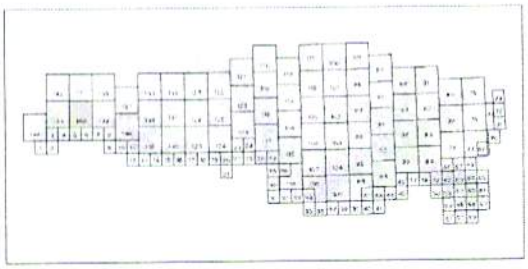
NOTE FOR COASTAL MAPS:
Due to the dynamic nature of the Louisiana coastline, biological resources may represent historical locations that do not correspond with the depicted shoreline.

SHORELINE HABITATS (ESI)
2001 ESI Shoreline Classification

- 1B EXPOSED, SOLID MAN-MADE STRUCTURES
- 2A EXPOSED WAVE-CUT PLATFORMS IN CLAY
- 2B EXPOSED SCARPS AND STEEP SLOPES IN CLAY
- 3A FINE- TO MEDIUM-GRAINED SAND BEACHES
- 3B SCARPS AND STEEP SLOPES IN SAND
- 4 COARSE-GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL BEACHES
- 6A GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED ROCKY SHORES AND SHELTERED SCARPS IN MUD OR CLAY
- 8B SHELTERED, MAN-MADE STRUCTURES
- 8C SHELTERED RIPRAP
- 9A SHELTERED TIDAL FLATS
- 9B SHELTERED, VEGETATED LOW BANKS
- 10A SALT- AND BRACKISH-WATER MARSHES
- 10B FRESHWATER MARSHES
- 10C FRESHWATER SWAMPS
- 10D SCRUB-SHRUB WETLANDS

COASTAL HABITATS
Based on 1988 Digital Shoreline

- 10A SALT MARSH
- 10A BRACKISH MARSH
- 10A INTERMEDIATE MARSH
- 10B FRESHWATER MARSH
- 10C FORESTED WETLAND
- 10D SCRUB- SHRUB WETLAND
- SEAGRASS



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Not For Navigation

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Hazardous Materials Response Division

LAKE CHARLES LA-140

Louisiana ESI: ESIMAP 140

BIOLOGICAL RESOURCES:

BIRD:

RARE	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Migrating	Molting
450	Colonial waterbirds				X	X	X	X	X	X	X	X	X	X	X	X	NOV-SEP	-	-
453	Colonial waterbirds				X	X	X	X	X	X	X	X	X	X	X	X	NOV-SEP	-	-
	Rare wading bird				X	X	X	X	X	X	X	X	X	X	X	X	APR-JUL	-	-
518	Shorebirds						X	X	X		X	X	X	X			-	-	-
534	Rare wading bird				X	X	X	X	X					X	X	X	-	-	-
558	Lesser scaup			PRESENT	X	X	X							X	X	X	-	-	-
572	American coot			2 IND/SQ MI	X	X	X							X	X	X	-	-	-
	American wigeon			2 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Blue-winged teal			16 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Canvasback			PRESENT	X	X	X								X	X	-	-	-
	Gadwall			7 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Green-winged teal			23 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Hooded merganser			PRESENT	X	X	X								X	X	-	-	-
	Lesser scaup			PRESENT	X	X	X							X	X	X	-	-	-
	Mallard			19 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Mottled duck			4 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Northern pintail			45 IND/SQ MI	X	X	X						X	X	X	X	-	-	-
	Northern shoveler			12 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Ring-necked duck			1 IND/SQ MI	X	X	X							X	X	X	-	-	-
643	American coot			2 TO 215 IND/SQ MI	X	X	X							X	X	X	-	-	-
	American wigeon			1 TO 116 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Blue-winged teal			2 TO 30 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Canvasback			UP TO 21 IND/SQ MI	X	X	X								X	X	-	-	-
	Gadwall			10 TO 243 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Green-winged teal			6 TO 86 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Hooded merganser			PRESENT	X	X	X								X	X	-	-	-
	Lesser scaup			UP TO 41 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Mallard			20 TO 99 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Mottled duck			3 TO 18 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Northern pintail			2 TO 70 IND/SQ MI	X	X	X						X	X	X	X	-	-	-
	Northern shoveler			UP TO 24 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Ring-necked duck			UP TO 56 IND/SQ MI	X	X	X							X	X	X	-	-	-
645	American coot			33 TO 165 IND/SQ MI	X	X	X							X	X	X	-	-	-
	American wigeon			3 TO 73 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Blue-winged teal			9 TO 34 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Canvasback			UP TO 6 IND/SQ MI	X	X	X								X	X	-	-	-
	Gadwall			36 TO 240 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Green-winged teal			9 TO 144 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Hooded merganser			PRESENT	X	X	X								X	X	-	-	-
	Lesser scaup			2 TO 35 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Mallard			4 TO 66 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Mottled duck			8 TO 15 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Northern pintail			UP TO 39 IND/SQ MI	X	X	X						X	X	X	X	-	-	-
	Northern shoveler			4 TO 34 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Ring-necked duck			2 TO 36 IND/SQ MI	X	X	X							X	X	X	-	-	-
646	American coot			4 TO 42 IND/SQ MI	X	X	X							X	X	X	-	-	-
	American wigeon			5 TO 39 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Blue-winged teal			9 TO 21 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Canvasback			UP TO 8 IND/SQ MI	X	X	X								X	X	-	-	-
	Gadwall			46 TO 167 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Green-winged teal			23 TO 70 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Hooded merganser			UP TO 1 IND/SQ MI	X	X	X								X	X	-	-	-
	Lesser scaup			2 TO 10 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Mallard			3 TO 19 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Mottled duck			7 TO 17 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Northern pintail			1 TO 56 IND/SQ MI	X	X	X						X	X	X	X	-	-	-
	Northern shoveler			6 TO 31 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Ring-necked duck			UP TO 14 IND/SQ MI	X	X	X							X	X	X	-	-	-
647	American coot			UP TO 20 IND/SQ MI	X	X	X							X	X	X	-	-	-
	American wigeon			UP TO 57 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Blue-winged teal			UP TO 10 IND/SQ MI	X	X	X	X	X				X	X	X	X	-	-	-
	Canvasback			PRESENT	X	X	X								X	X	-	-	-
	Gadwall			1 TO 132 IND/SQ MI	X	X	X	X						X	X	X	-	-	-
	Green-winged teal			UP TO 246 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Hooded merganser			UP TO 2 IND/SQ MI	X	X	X								X	X	-	-	-
	Lesser scaup			UP TO 76 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Mallard			UP TO 22 IND/SQ MI	X	X	X							X	X	X	-	-	-
	Mottled duck			3 TO 16 IND/SQ MI	X	X	X	X	X	X	X	X	X	X	X	X	MAR-SEP	-	-
	Northern pintail			UP TO 198 IND/SQ MI	X	X	X						X	X	X	X	-	-	-
	Northern shoveler			1 TO 152 IND/SQ MI	X	X	X	X					X	X	X	X	-	-	-
	Ring-necked duck			UP TO 24 IND/SQ MI	X	X	X							X	X	X	-	-	-

FISH:

RARE	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
580	Atlantic croaker			5	5	5	5	5	5	5	5	4	4	4	5	5	MAR-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Bay anchovy			5	5	5	5	5	5	5	5	5	5	5	5	5	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Black drum			3	3	3	3	3	3	3	3	3	3	3	3	3	JAN-MAY	JAN-MAY	JAN-MAY	JAN-DEC	-
	Crevalle jack			3	2	2	3	3	3	3	3	3	3	3	3	2	-	-	-	JAN-DEC	-
	Florida pompano			3	3	3	3	3	3	3	3	3	3	3	3	3	MAY-AUG	MAY-AUG	MAY-AUG	JAN-DEC	-
	Gizzard shad			4	3	3	3	4	4	4	3	3	3	3	3	3	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC	-
	Gray snapper			3	2	2	2	2	2	3	3	3	3	3	3	2	-	-	-	JAN-DEC	-
	Gulf menhaden			5	5	5	5	5	5	5	5	5	5	5	5	5	-	AUG-APR	AUG-APR	JAN-DEC	-
	Red drum			4	3	3	3	3	3	4	4	4	3	3	3	3	AUG-MAR	AUG-MAR	AUG-MAR	JAN-DEC	-
	Sand seatrout			4	3	3	3	3	4	4	4	4	4	4	3	3	FEB-OCT	FEB-OCT	FEB-OCT	JAN-DEC	-
	Sheepshead			4	4	4	4	4	4	4	4	4	4	4	4	4	-	-	JAN-JUL	JAN-DEC	-
	Silver perch			4	3	3	3	3	4	3	3	3	3	3	3	3	MAR-OCT	MAR-OCT	MAR-OCT	JAN-DEC	-
	Southern flounder			4	3	3	3	3	4	4	4	4	4	4	4	3	-	-	SEP-APR	JAN-DEC	-
	Spanish mackerel			3	2	2	3	3	3	3	3	3	3	3	3	2	-	-	-	JAN-DEC	-
	Spot			5	5	5	5	5	5	5	5	5	5	5	5	5	OCT-APR	OCT-APR	OCT-APR	JAN-DEC	-
	Spotted seatrout			4	3	3	3	3	4	4	4	4	3	4	3	3	MAR-OCT	MAR-OCT	MAR-OCT	JAN-DEC	-
	Striped mullet			4	4	4	4	4	4	4	4	4	4	4	4	4	-	NOV-FEB	OCT-MAY	JAN-DEC	-
	Tarpon			3	2	2	2	2	2	3	3	3	3	3	3	2	-	-	MAY-NOV	JAN-DEC	-
580	Atlantic croaker			5	5	5	5	5	5	5	4	4	4	4	5	5	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Bay anchovy			5	5	5	5	5	5	5	5	5	5	5	5	5	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Black drum			3	3	3	3	3	3	3	3	3	3	3	3	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Crevalle jack			3	2	2	3	3	3	2	2	2	3	3	2	2	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Florida pompano			2	2	2	2	2	2	2	2	2	2	2	2	2	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Gizzard shad			3	3	3	3	3	3	3	3	3	3	3	3	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Gray snapper			3	2	2	2	2	2	3	3	3	3	3	3	2	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Gulf menhaden			5	4	4	4	5	5	4	4	4	4	4	4	4	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Gulf sturgeon		T	1	1	1	1	1	1	1	1	1	1	1	1	1	JAN-DEC	JAN-DEC	JAN-DEC	JUN-AUG	-
	Red drum			3	3	3	3	3	3	3	3	3	3	3	3	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Sand seatrout			4	3	3	3	3	4	3	3	3	4	4	3	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

Louisiana ESI: ESIMAP 140 (cont.)

BIOLOGICAL RESOURCES: (cont.)

FISH:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
588	Sheepshead			3	3	3	3	3	3	3	3	3	3	3	3	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Silver perch			1	1	1	1	1	1	1	1	1	1	1	1	1	JAN-DEC	JAN-DEC	JAN-DEC	JUN-AUG	-
	Southern flounder			3	3	3	3	3	3	3	3	3	3	3	3	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Spanish mackerel			2	1	1	2	2	2	2	2	2	2	2	2	1	JAN-DEC	JAN-DEC	JAN-DEC	MAR-NOV	-
	Spot			3	3	3	3	3	3	3	3	3	3	3	3	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Spotted seatrout			3	3	3	3	3	3	3	3	3	3	3	3	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Striped mullet			3	3	3	3	3	3	3	3	3	3	3	3	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Tarpon			2	2	2	2	2	2	2	2	2	2	2	2	2	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-

HABITAT:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D
436	Rare plant				X	X	X	X	X	X	X	X	X	X	X	X
444	Rare plant				X	X	X	X	X	X	X	X	X	X	X	X

INVERTEBRATE:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Spawning	Eggs	Larvae	Juveniles	Adults
580	Bay squid			4	4	4	4	4	4	4	4	4	4	4	4	4	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Blue crab			5	4	4	5	5	5	5	5	5	5	5	5	4	-	JAN-DEC	JAN-DEC	JAN-DEC	-
	Brown shrimp			5	4	5	5	5	5	5	5	5	5	4	4	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Gulf stone crab			3	3	3	3	3	3	3	3	3	3	3	3	3	-	MAR-NOV	MAR-DEC	JAN-DEC	-
	Pink shrimp			5	3	3	5	5	5	3	3	3	3	3	3	3	-	-	APR-OCT	JAN-DEC	-
	White shrimp			5	3	3	5	5	5	5	5	5	5	5	5	4	APR-NOV	APR-NOV	MAR-DEC	JAN-DEC	-
589	Bay squid			3	3	3	3	3	3	3	3	3	3	3	3	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Blue crab			4	3	3	3	4	4	3	3	3	4	4	3	3	-	JAN-DEC	JAN-DEC	JAN-DEC	-
	Brown shrimp			2	2	2	2	2	2	2	2	2	2	2	2	2	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-
	Florida stone crab			1	1	1	1	1	1	1	1	1	1	1	1	1	-	JAN-DEC	JAN-DEC	JUN-AUG	-
	Gulf stone crab			3	3	3	3	3	3	3	3	3	3	3	3	3	-	JAN-DEC	JAN-DEC	JAN-DEC	-
	Pink shrimp			2	2	2	2	2	2	2	2	2	2	2	2	2	JAN-DEC	JAN-DEC	JAN-DEC	JUN-AUG	-
	White shrimp			4	3	3	3	3	3	4	4	4	4	4	4	3	JAN-DEC	JAN-DEC	JAN-DEC	JAN-DEC	-

REPTILE:

RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D	Nesting	Hatching	Internesting	Juveniles	Adults
381	American alligator			TRANSIENT	X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	JAN-DEC	JAN-DEC
444	Rare terrestrial/aquatic				X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-DEC	-	-
514	Rare terrestrial/aquatic				X	X	X	X	X	X	X	X	X	X	X	X	-	-	JAN-DEC	-	-
639	American alligator			661 TO 9 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	AUG-SEP	-	JAN-DEC	JAN-DEC
640	American alligator			593 TO 38 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	AUG-SEP	-	JAN-DEC	JAN-DEC
641	American alligator			2257 TO 68 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X	JUN-AUG	AUG-SEP	-	JAN-DEC	JAN-DEC

TERRESTRIAL MAMMAL:

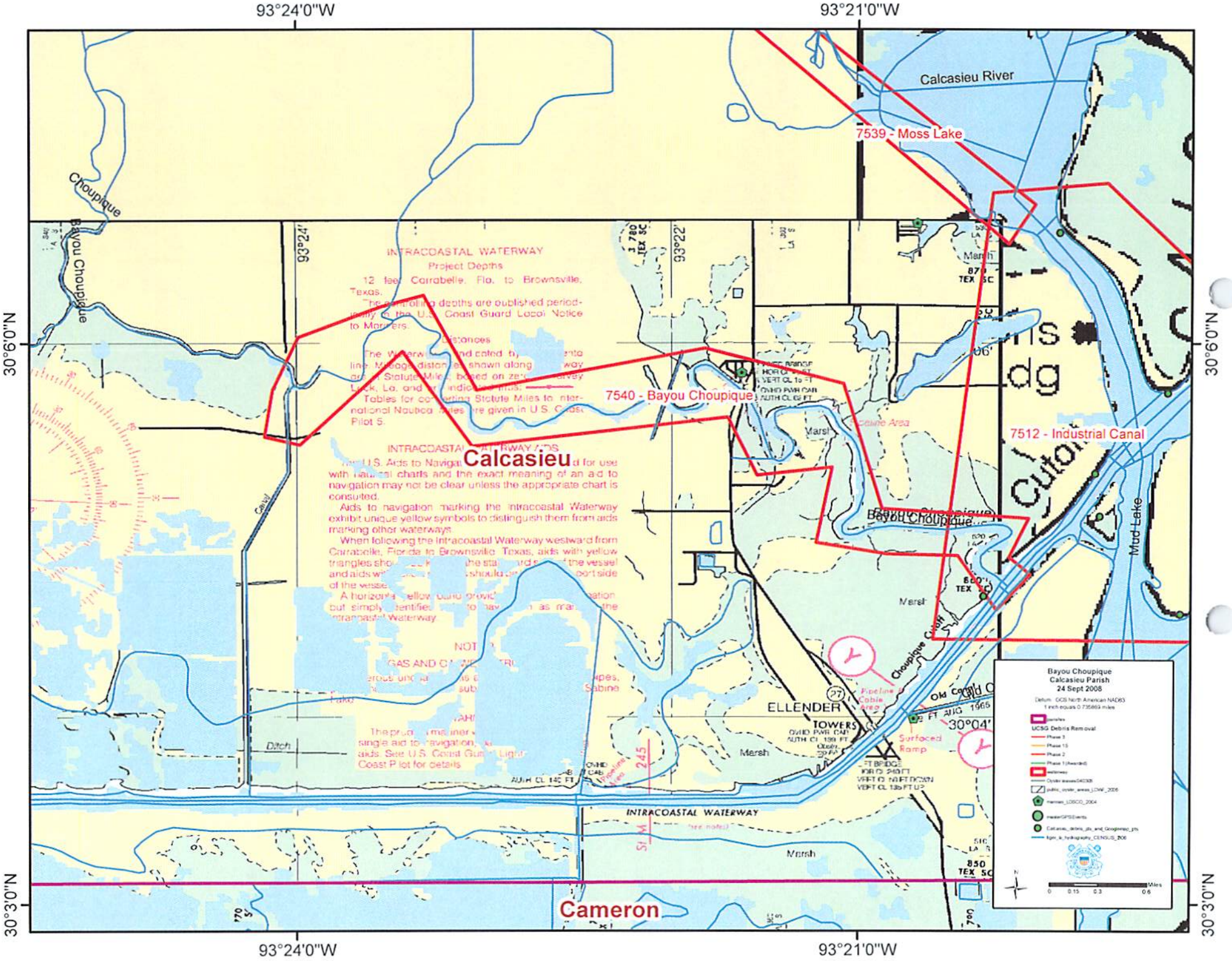
RAR#	Species	S	F	Conc.	J	F	M	A	M	J	J	A	S	O	N	D
348	Common raccoon			RESIDENT	X	X	X	X	X	X	X	X	X	X	X	X
	Mink			RESIDENT	X	X	X	X	X	X	X	X	X	X	X	X
	Muskrat			RESIDENT	X	X	X	X	X	X	X	X	X	X	X	X
	Northern river otter			RESIDENT	X	X	X	X	X	X	X	X	X	X	X	X
	Nutria			TRANSIENT	X	X	X	X	X	X	X	X	X	X	X	X
540	Rare small mammal				X	X	X	X	X	X	X	X	X	X	X	X
635	Common raccoon			86 TO 42 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Mink			223 TO 179 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Muskrat			36 TO 17 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Northern river otter			2036 TO 828 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Nutria			3 TO 2 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
636	Common raccoon			77 TO 73 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Mink			329 TO 220 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Muskrat			99 TO 6 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Northern river otter			1258 TO 423 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Nutria			6 TO 3 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
637	Common raccoon			68 TO 43 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Mink			466 TO 215 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Muskrat			9 TO 3 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Northern river otter			752 TO 373 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X
	Nutria			7 TO 5 AC/NEST	X	X	X	X	X	X	X	X	X	X	X	X

HUMAN USE RESOURCES:

WILDLIFE REFUGE:

HUN#	Name	Owner	Contact	Phone
129	SABINE NWR		USFWS	

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.


93°24'0"W
93°21'0"W
30°6'0"N
30°3'0"N
Calcasieu River
7539 - Moss Lake
7540 - Bayou Choupique
7512 - Industrial Canal
Calcasieu
Cameron
Choupique
Bayou Choupique
Mud Lake
Choupique Cutoff
ELLENDER
TOWERS
INTRACOASTAL WATERWAY
Marsh
Ditch
Canal
Bayou Choupique
Calcasieu Parish
24 Sept 2008
UCSG Debris Removal