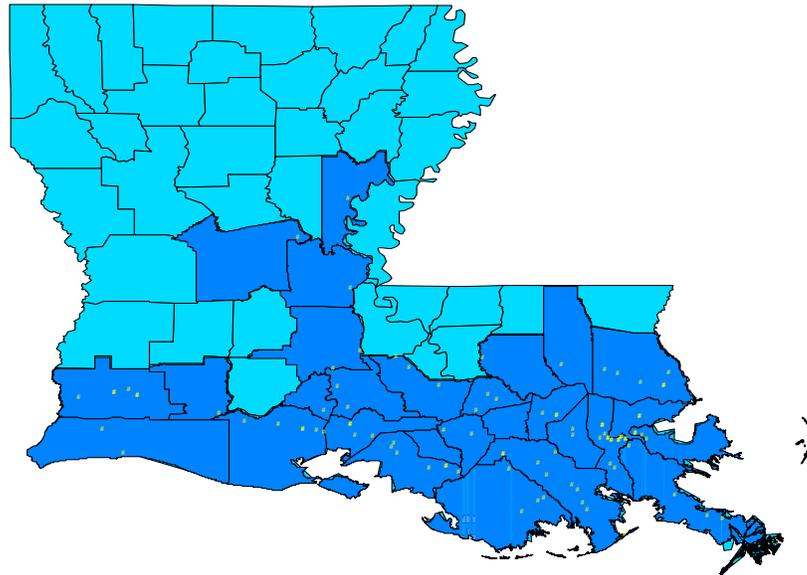


**IDENTIFYING COMMUNITIES ASSOCIATED  
WITH THE FISHING INDUSTRY IN LOUISIANA**

**- FINAL REPORT -**



**VOLUME II: LAFOURCHE PARISH THROUGH ST. LANDRY PARISH COMMUNITIES**

Prepared for the

U. S. DEPARTMENT OF COMMERCE  
NOAA FISHERIES, SOUTHEAST REGIONAL OFFICE  
St. Petersburg, Florida

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### **3.12 Lafourche Parish Communities**

This section provides description of the study communities in Lafourche Parish. These are as follow: Cutoff, Galiano, Gheens, Golden Meadow, Larose, Leeville, Lockport, Port Fourchon, Raceland, and Thibodaux.

The center of Lafourche Parish is located approximately 60 miles southwest of New Orleans. The parish is bordered on the north by St. James Parish, on the east by St. Charles and Jefferson Parishes, on the south by the Gulf of Mexico, and on the west by Terrebonne and Assumption Parishes. Its name derives from the French word for “the fork,” descriptive of its long narrow “handle” to the north and the configuration of tine-like fingers of low-lying land and bayous on its southern end.

Lafourche is part of the Mississippi Deltaic Plain. Its landscape has been visibly shaped by eons of meandering riverine deposition and erosion. Freshwater marsh is typical in the northern reaches of the parish, and saltwater wetlands predominate in the south. Lafourche Parish encompasses 1,085 square miles of land and 388 square miles of water, much of the latter within Timbalier Bay in the southwest.

State Route 1 transects parish high ground on a north/south axis along Bayou Lafourche, and motorists depend on numerous bridges and other feats of engineering to reach the Gulf of Mexico at Port Fourchon and Grand Isle further east. All of the study communities are situated along this roadway and system of cheniers, canals, and bayous. The area exhibits land tenure patterns of the original water transportation system. As original settlers died, heirs divided lands so as to ensure equal access to the bayous and canals. This resulted in elongated waterfront properties.

The year 2000 census of Lafourche Parish enumerated 89,974 residents. The parish experienced extensive growth between 1940 and 1980, with its population nearly doubling during the period to 82,483 persons. Much growth may be attributed to a mid-1970s boom in offshore oil production. Growth has been slower in recent decades, due in part to a gradual slow-down in offshore production. The parish seat is Thibodaux, home to 15,730 persons in 2000.

The parish economy was historically based in timber and sugar production, but now primarily in offshore oil support, shipbuilding, seafood production (especially shrimp). Sugar remains important. Seafood and associated industries have contributed both to the economy and to the rich cultural traditions of the area. Aquaculture is also important and total value of farmed products was \$7,804,494 in 2002 (Louisiana State University 2002:155).

Oil and natural gas reserves are extensive here (Goins and Caldwell 1995: 9-10). The Louisiana Offshore Oil Port, 18 miles from Lafourche, has been economically important to the parish since construction in 1978. By 2001, La Fourche Parish maintained 7,300 oil wells (LA Mid-Continent Oil and Gas Association 2001).

Acadian, French, and Spanish settlers established Lafourche Parish in 1805. Construction of canals in the region enabled relationships with residents of New Orleans. Various communities were established in conjunction with the canal. Cut Off, for example, was established near a “cut off” canal, joining Bayou Lafourche and Lake Salvador. Galliano, Golden Meadow, Thibodaux

and Port Fourchon were established along Bayou Lafourche and associated canals. Flooding problems have long plagued parish residents.

The year 2000 census indicates 83 percent of residents were Caucasian (representing numerous groups of French Acadian, Spanish, and other European ancestries), 13 percent African-American, two percent American Indians (this is home to the Houma Indian tribe), and one percent Hispanic. Median family income in 1990 was \$33,640. This figure was 92 percent of the state median. Median family income was lower in 1990 than in 1970 and below the state median for the first time since 1950. As of the year 2000 Census, some 17 percent of persons lived in households with income below the poverty line.

**Table 3.12-1 Earnings in Lafourche Parish: 1990-2000**

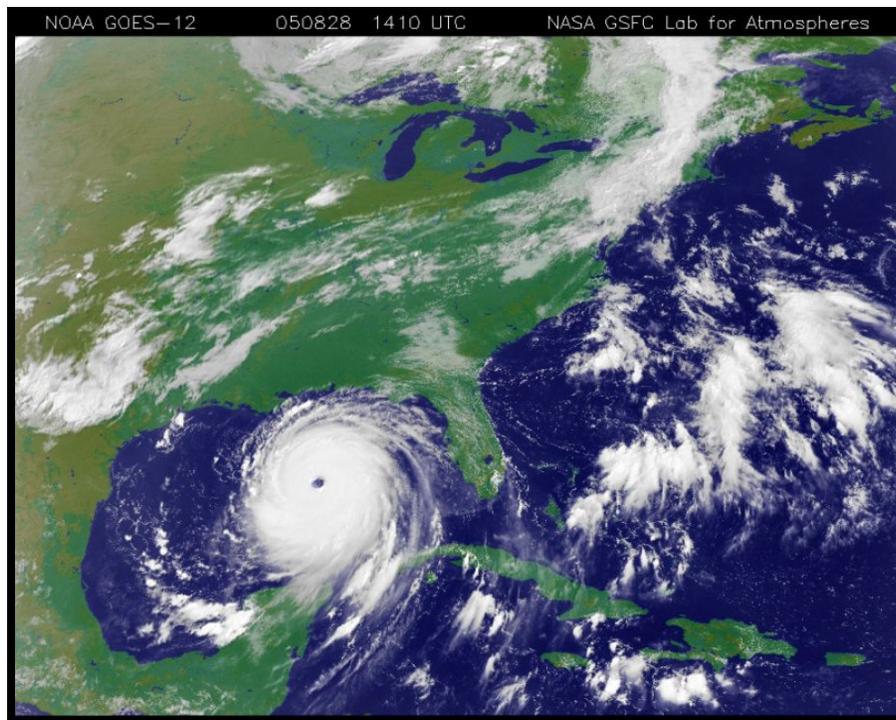
Industry	Earnings (Constant 2000 \$1000s)		Percent Share of 2000 Earnings	\$ Change 1990-2000
	1990	2000		
<b>Total Earnings</b>	778,537	1,064,467	100.0	285,931
<b>Farm earnings</b>	6,229	7,417	0.7	1,189
<b>Ag. services, frstry, fish.</b>	13,244	11,691	1.1	-1,553
Fishing	12,020	--	--	--
<b>Mining</b>	62,841	47,681	4.5	-15,160
Oil and gas extraction	62,839	47,681	4.5	-15,159
<b>Construction</b>	37,285	56,779	5.3	19,494
Special trade contractors	22,495	33,086	3.1	10,591
<b>Manufacturing</b>	92,415	158,993	14.9	66,577
Fabricated metal products	--	2,410	0.2	--
Industrial mach. & equip.	--	--	--	--
Food and kindred	16,825	12,638	1.2	-4,187
Chemicals and allied	--	15,817	1.5	--
Petroleum and coal	0	--	--	--
<b>Transp., public utilities</b>	127,598	215,842	20.3	88,244
Trucking and warehousing	4,091	15,968	1.5	11,877
Water transportation	86,008	156,898	14.7	70,891
Transportation by air	--	--	--	--
<b>Wholesale trade</b>	25,233	31,686	3.0	6,453
<b>Retail trade</b>	66,932	88,387	8.3	21,456
Eating and drinking places	9,945	16,640	1.6	6,694
<b>Fin., insurance, real estate</b>	22,521	28,401	2.7	5,880
<b>Services</b>	158,612	184,612	17.3	26,001
Business services	45,965	51,053	4.8	5,088
Health services	41,870	60,143	5.7	18,273
Legal services	13,200	10,390	1.0	-2,810
Engineer. & mngmt. serv.	13,146	10,724	1.0	-2,422
<b>Government</b>	165,628	232,979	21.9	67,351

Source: Bureau of Economic Analysis, Regional Economic Information System

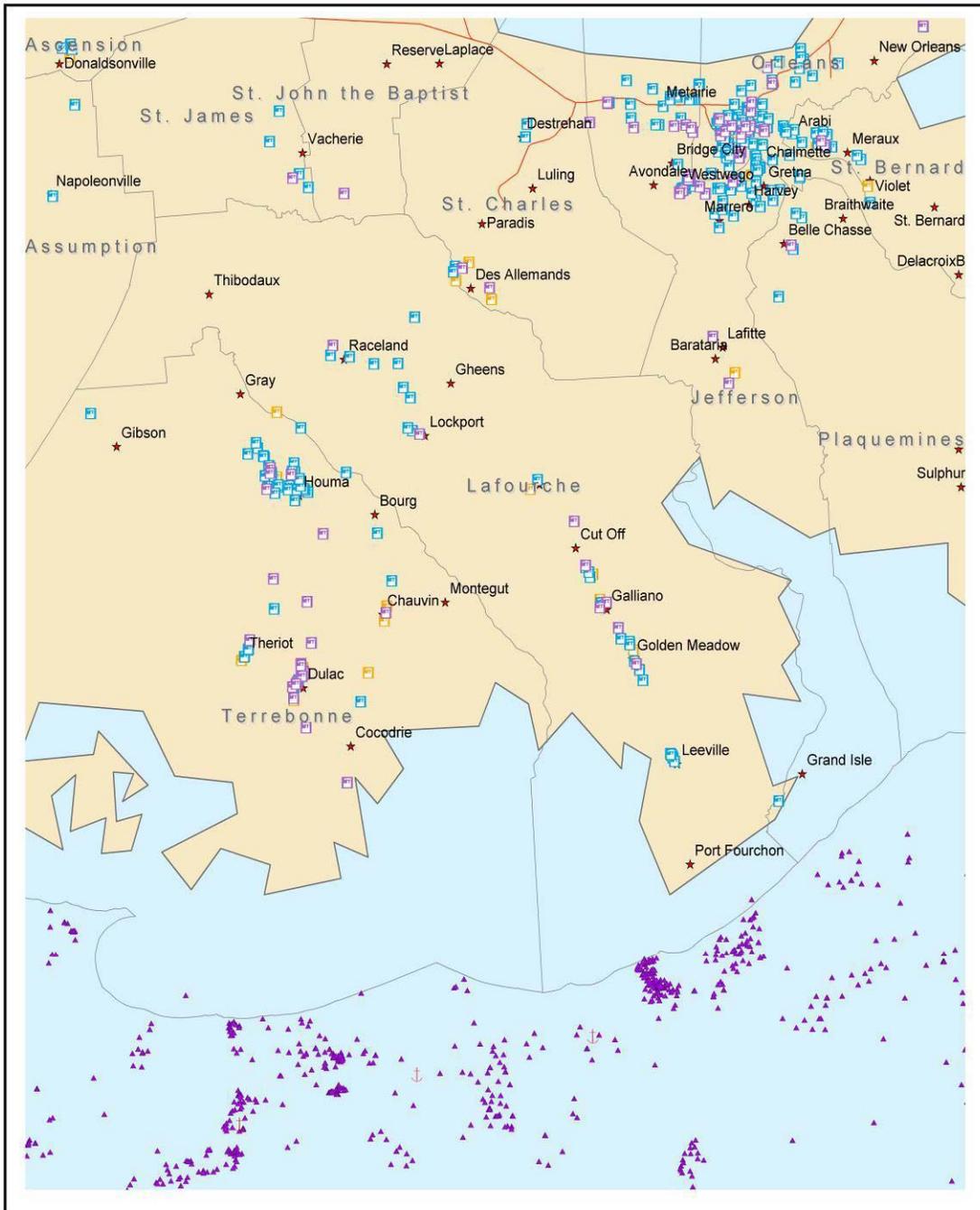
**Table 3.12-2 Year 200 Permits and Licenses, and 2003 Gulf Shrimp Permits: LaFourche Parish\***

Permit Type	Study Communities									
	Cut Off	Galliano	Gheens	Golden Meadow	Larose	Leeville	Lockport	Port Fourchon	Raceland	Thibodaux
Pelagic Charter	5	3	--	6	--	--	1	--	--	--
Reef Fish Charter	5	3	--	6	--	--	2	--	--	--
Swordfish	3	--	--	--	--	--	1	--	--	--
King Mackerel	7	14	--	5	2	--	4	--	--	--
Rock Shrimp	--	--	--	--	--	--	--	--	--	--
Red Snapper	1	7	--	3	--	--	3	--	--	--
Spiny Lobster	--	--	--	--	--	--	--	--	--	--
Spanish Mackerel	2	11	--	2	2	--	3	--	--	--
Gulf Reef Fish	1	8	--	6	--	--	3	--	--	--
Shark	2	3	--	--	--	--	2	--	--	--
South Atlantic Snapper Grouper	--	--	--	--	--	--	--	--	--	--
Total Permits 2000	26	49	--	26	4	--	19	--	--	--
Total Permit Holders 2000	14	17	--	13	2	--	5	--	--	--
Total State License Holders 2000	297	188	26	181	57	1	109	--	47	71
Gulf Shrimp Permits 2003**	28	15	--	6	4	--	--	--	--	2

\* Includes all permits and licenses that can be attributed to the communities by both street and post office addresses: these data are used to generate counts of permit holders for whom evidence indicates actual residence, as provided in the community descriptions. \*\* 2003 is the first year for which Gulf shrimp permit data are available.



**Satellite Imagery of Hurricane Katrina Offshore Louisiana Coast, August 2005**  
(Image courtesy of NOAA)



**Lafourche Parish**

★ Study Communities	● Reef
■ Seafood Processor and Dealer	⚓ Wreck
□ Seafood Dealer	▲ Platform
▣ Seafood Processor	— Interstate
● Reference Cities	

N  
 0 5 10 20 Miles

### 3.12.1 Cut Off (unincorporated, pop. 5,635)

**Location and Overview.** Cut Off's unusual name derives from its early use as a short-cut from Bayou Lafourche to Barataria Bay (Sculley Canal). Cut Off is part of a string of settlements that stretches, almost continuously, along both sides of Bayou Lafourche from Raceland to Golden Meadow. Larose, Cut Off, and Golden Meadow can be hard to visually differentiate. Most captains in Cut Off pursue shrimp, but there are also active federal permits here (with Gulf point of access 40 miles south), and various pelagic and benthic species are routinely harvested.

Points of interest in the Cut Off area include plantation home tours, and the Pointe Au Chien Wildlife Management Area – a 29,000 acre marsh tract to the south of Cut Off providing hunting, fishing, crabbing, shrimping, and boating opportunities. The town hosts several festivals including *La Fete du Bayou*.



Precious “High” Ground for Sale in Cut Off (note the narrow dimensions)

**Current Conditions and Trends.** Cut Off had a year 2000 population of 5,635 persons. This count reflects an increase of approximately 300 persons since 1990. Numerous commercial fishing vessels and several charter boats operate from Cut Off, though many locally-owned and operated vessels are kept closer to the Gulf in communities farther south. There are also several retail stores, incorporating large mail-order businesses that sell and ship Louisiana products. A net factory makes both shrimp trawls and smaller nets. Cut Off is also home to the largest building supply dealer along the Highway 1/Bayou Lafourche corridor.

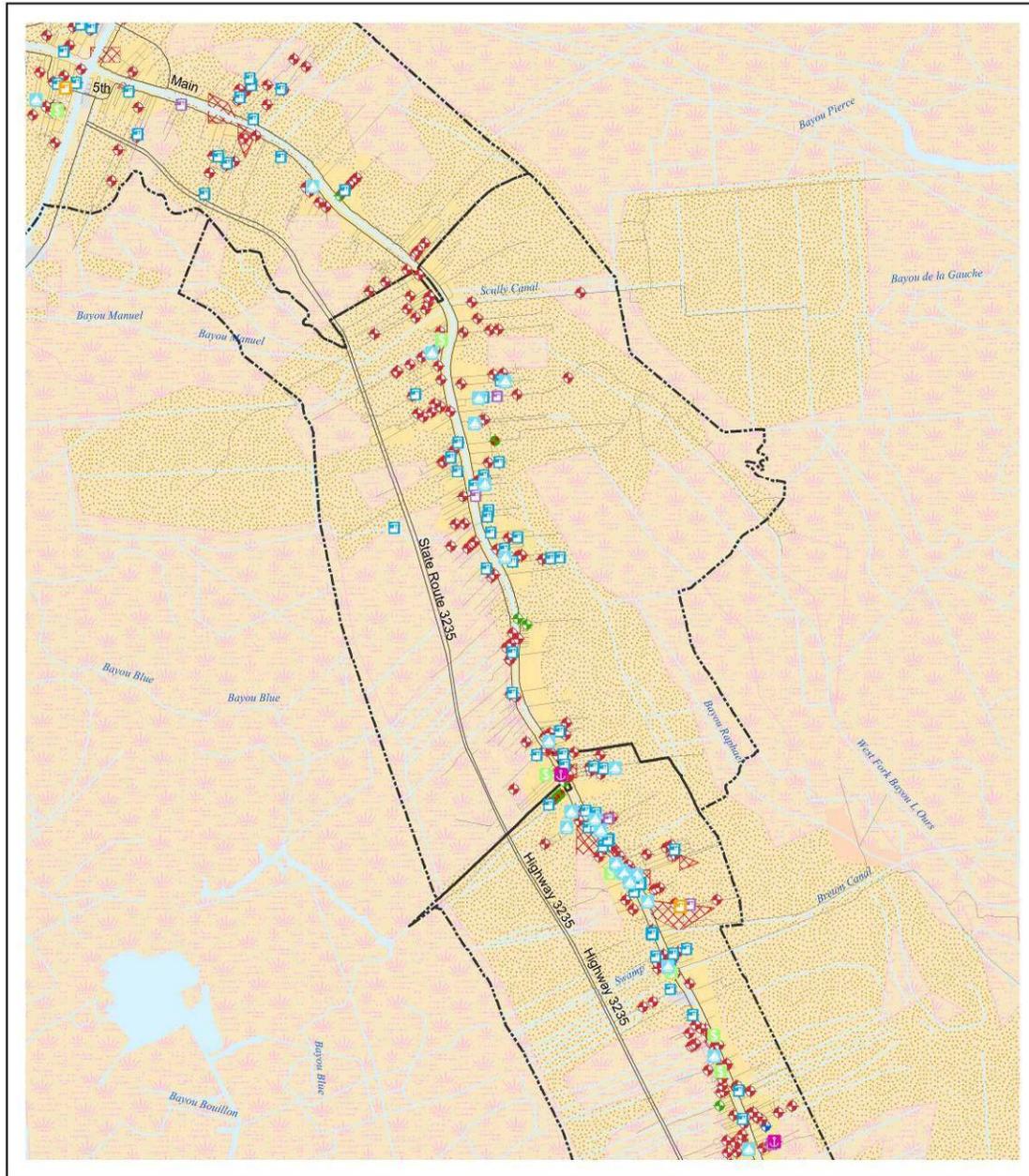
While commercial fisheries are very important in the area, there is some indication of decreasing involvement over time. For instance, local processors employed an average of 45 persons in 1980, 27 in 1990, and [an undisclosed number] in 2000. A number of captains pursue pelagic species, and there were five charter captains in the area in 2000. As of 2003, 28 shrimp permit holders were residing in or maintaining postal addresses in the Cut Off area.



**Net Shop along Main Street in Cut Off**



**Regional Building Supply Firm in Cut Off, Louisiana**



### Cut Off

Projection: Alber's Equal Area, NAD83  
Data Sources: See Metadata Report  
Printed: May 2004

<p><b>Transportation:</b></p> <ul style="list-style-type: none"> <li>Highway</li> <li>Major Rd.</li> <li>Residential</li> <li>Railroad</li> </ul> <p><b>Boundaries:</b></p> <ul style="list-style-type: none"> <li>River/Stream</li> <li>Ocean/Lake</li> <li>County</li> <li>Municipal</li> </ul> <p><b>Marine Features:</b></p> <ul style="list-style-type: none"> <li>Platform</li> <li>Reef</li> <li>Wreck</li> </ul>	<p><b>Land Use:</b></p> <ul style="list-style-type: none"> <li>Forest</li> <li>Wetland</li> <li>Reservoir</li> <li>Agriculture</li> <li>Residential</li> <li>Other Urban</li> <li>Scrub/Shrub</li> <li>Sand</li> <li>Barren Land</li> </ul>	<p><b>License/Permit Types:</b></p> <ul style="list-style-type: none"> <li>Salt Flat</li> <li>Transportation</li> <li>Industrial/Commercial</li> <li>Feeding Operation</li> <li>Commercial/Service</li> <li>State Commercial</li> <li>Federal</li> <li>Federal/State</li> <li>Federal/Federal Charter</li> <li>Federal/Federal Charter/State</li> </ul>	<p><b>Fishing Businesses:</b></p> <ul style="list-style-type: none"> <li>Aquaculture</li> <li>Boat Dealer/Broker</li> <li>Fish Hatchery</li> <li>Fishing Tackle/Dive Equipment</li> <li>Headboat Operation</li> <li>Marine Electronics Retail</li> <li>Marina/Boatyard</li> <li>Pier/Boat Rentals</li> <li>Seafood Processor</li> <li>Seafood Dealer</li> <li>Seafood Processor and Dealer</li> <li>Post Office</li> </ul>
--	---	---	--

Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Cut Off Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	5,325	5,635
<b>Gender Ratio M/F (Number)</b>	2,609/2,716	2,770/2,865
<b>Age (Percent of total population)</b>		
Under 18 years of age	29.4	27.3
18 to 64 years of age	60.0	61.3
65 years and over	10.6	11.4
<b>Ethnicity or Race (Number)</b>		
White	4,951	5,151
Black or African American	56	63
American Indian and Alaskan Native	191	213
Asian	103	71
Native Hawaiian and other Pacific Islander	N/A	2
Some other race	24	62
Two or more races	N/A	73
Hispanic or Latino (any race)	94	120
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	32.0	19.4
Percent high school graduate or higher	54.6	69.2
Percent with a Bachelor's degree or higher	4.9	9.3
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	48.5	37.2
And Percent who speak English less than very well	17.2	9.1
<b>Household income (Median \$)</b>	22,100	38,077
<b>Poverty Status (Percent of population with income below poverty line)</b>	17.0	7.9
<b>Percent female headed household</b>	9.1	8.6
<b>Home Ownership (Number)</b>		
Owner occupied	1,482	1,732
Renter occupied	243	301
<b>Value Owner-occupied Housing (Median \$)</b>	52,500	79,500
<b>Monthly Contract Rent (Median \$)</b>	209	343
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	61.8	57.2
Percent of civilian labor force unemployed	3.5	3.8
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	24.7
Service occupations	N/A	11.0
Sales and office occupations	N/A	26.5
Farming, fishing, and forestry occupations	4.7	2.4
Construction, extraction, and maintenance occupations	N/A	12.8
Production, transportation, and material moving occupations	N/A	22.6
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	5.0	3.0
Mining (includes the offshore oil/gas industry workforce)	12.3	11.1
Manufacturing	8.6	7.3
Percent government workers	12.5	12.1
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	33.4
Percent worked outside of county of residence	17.2	17.0

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons between those census years.

**Table 2. Fishing Infrastructure and Services Observed in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	Few
Skimmers	15-20
Butterfly	Few
Crabbers	Few
Oyster	0
Other Commercial	Several oilfield tug boats seen
<b>Recreational Boats</b>	-
Freshwater	Numerous
Saltwater	Few
<b>Infrastructure and Services</b>	-
Marinas	1
Seafood Docks/Dealers	numerous
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	1
Commercial Marine Supply	0
Seafood Transport	0
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Cut Off in 2003**

Type of Business	Frequency
Boat Builder/Broker	2
Boat Builder/Broker; Marina	2
Boat Rentals & Pier	22
Processor; Seafood Dealer (Wholesaler)	1
Seafood Retailer	3
Total	30

**Table 4. Cut Off Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total combined	9,672,554	13,752,268

**Table 5. Cut Off License/Permit Summary: 2000**

<b>Commercial</b> (based on physical address data only)		<b>Recreational</b> (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
255	12	2,384	1,454
Total = 267		Average Number of Licenses per Household: 2,384/2,033 = 1.2	--
% Households Holding Commercial Permit or License: 267/2,033 = 13.1			

Please reference Table 3.12-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.12.2 Galliano (unincorporated, pop. 7,356)

***Location and Overview.*** Galliano is located along Highway 1 and Bayou Lafourche between Larose (to the north) and Golden Meadow (to the south). It is difficult for the uninitiated to discern where one town stops and another begins in this area, and in actuality, Larose, Cut Off, Galliano, and Golden Meadow combine to form a kind of linear “supra-community” situated along the banks of Bayou Lafourche. Residents throughout the area share various services and cultural activities, lending to a reported interdependence and identity. As is the case for adjacent towns, the Galliano economy is based primarily in commercial fishing, petroleum-related industries, and associated services.

***Current Conditions and Trends.*** Galliano is a census-designated place with a year 2000 population of 7,356 persons. This was a significant increase of 3,062 persons since 1990. For those who persist in the fishing-related industries, shrimp and crab are the primary species of interest.

Several commercial docks are located in Galliano, and various boat builders and repair facilities serve the larger area. Two marine railways are available for lifting both oil field supply vessels and the largest of the offshore commercial fishing vessels. Numerous commercial vessels also dock along the banks of Bayou Lafourche at Galliano, while RV camps, cabin rentals, and motels are available for visitors, including visiting recreational anglers.

The commercial fishing industry remains important in social and economic terms, but some in the industry report a state of slow decline here. For example, a fourth-generation boat repair specialist reports a significant loss in business in recent years, and a local seafood buyer suggests that declining profits are common among those active in the local shrimp trawl fleet. Another repair service owner reports that when he opened in 1966, at least half of the firm’s business derived from sale of commercial fishing vessels. Most business is now associated with offshore oil industry support services and sale and repair of recreational fishing vessels. Some informants assert that many of the area’s shrimp trawl captains are leaving the business because of increasing overhead and challenging market conditions.

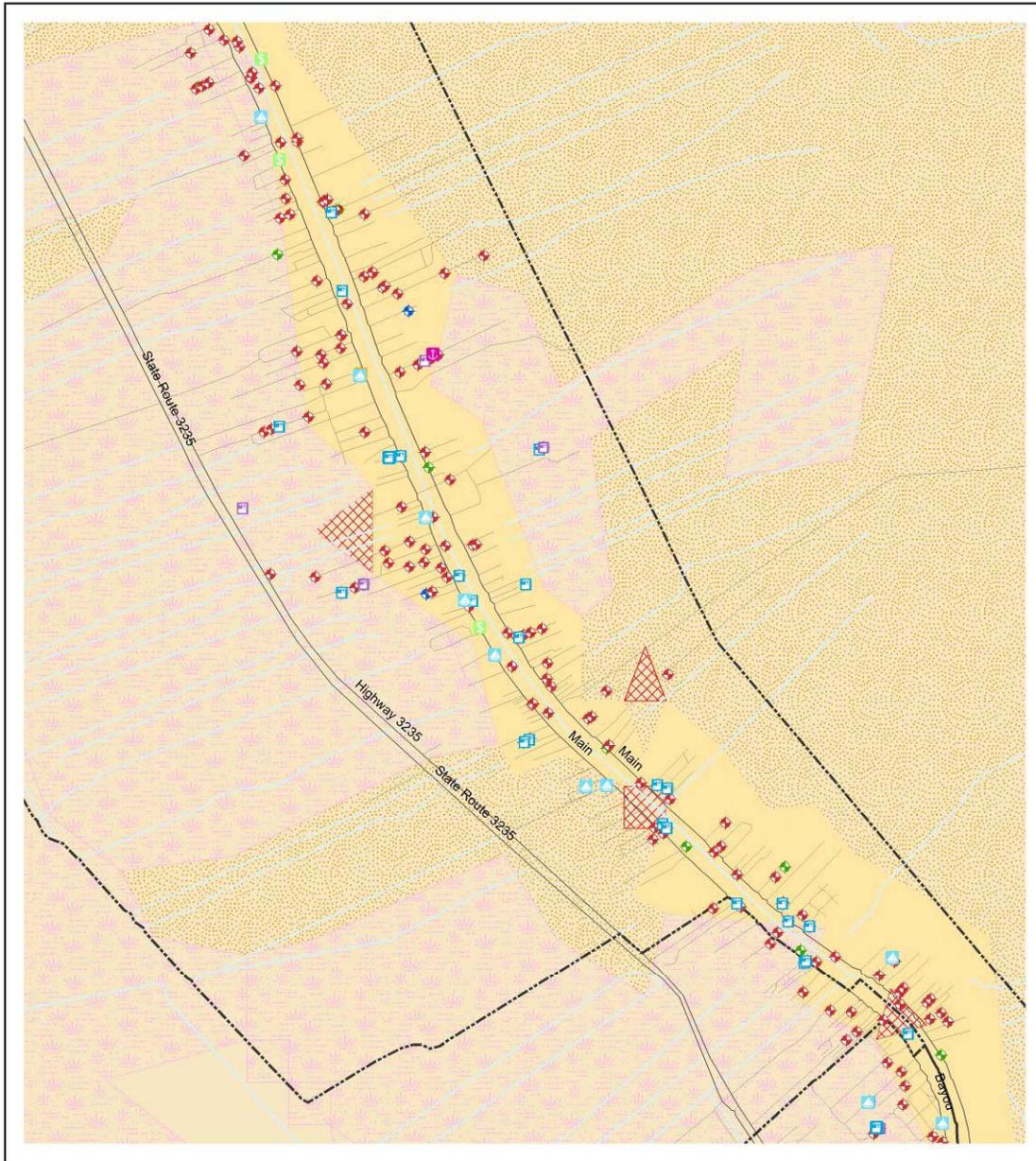
The local commercial fleet is highly productive in harvest of shrimp and crab. Oysters are also landed in volume, and a number of participants hold federal permits for harvest of pelagic and bottom fish species. Three charter operations were active here in 2000. While we were able to prove physical residence for only 113 state commercial license holders, a total of 188 such persons were either residing or maintaining postal addresses in the area during 2000. A total of 15 persons in the area held federal Gulf shrimp permits in 2003. A single processor was operating in the area at the time of this study.



**Seafood Transport Truck Serving One of the Many Dealers in the Galliano Area**



**Classic Lafitte Skiffs in Galliano, Rigged for both Skimming and Trawling, 2003**



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Galliano Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	4,294	7,356
<b>Gender Ratio M/F (Number)</b>	2,119/2,175	3,662/3,694
<b>Age (Percent of total population)</b>		
Under 18 years of age	28.3	27.5
18 to 64 years of age	61.7	60.1
65 years and over	10.1	12.4
<b>Ethnicity or Race (Number)</b>		
White	4,062	6,792
Black or African American	12	51
American Indian and Alaskan Native	183	330
Asian	27	59
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	10	45
Two or more races	N/A	79
Hispanic or Latino (any race)	77	128
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	38.6	21.1
Percent high school graduate or higher	47.1	61.3
Percent with a Bachelor's degree or higher	5.2	6.4
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	49.8	36.8
And Percent who speak English less than very well	16.8	8.3
<b>Household income (Median \$)</b>	16,048	31,419
<b>Poverty Status (Percent of population with income below poverty line)</b>	25.6	15.9
<b>Percent female headed household</b>	13.0	9.7
<b>Home Ownership (Number)</b>		
Owner occupied	1,281	2,182
Renter occupied	223	417
<b>Value Owner-occupied Housing (Median \$)</b>	41,500	71,000
<b>Monthly Contract Rent (Median \$)</b>	196	325
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	51.0	52.0
Percent of civilian labor force unemployed	4.0	7.4
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	19.9
Service occupations	N/A	13.6
Sales and office occupations	N/A	26.1
Farming, fishing, and forestry occupations	4.4	4.7
Construction, extraction, and maintenance occupations	N/A	12.7
Production, transportation, and material moving occupations	N/A	22.9
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	4.9	4.7
Mining (includes the offshore oil/gas industry workforce)	7.2	9.6
Manufacturing	3.2	6.6
Percent government workers	15.9	8.5
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	30.1
Percent worked outside of county of residence	15.4	13.8

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Galliano in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	40-60
Skimmers	100-150
Butterfly	20-30
Crabbers	50-100
Oyster	2-3
Other Commercial	Numerous (oil field)
<b>Recreational Boats</b>	-
Freshwater	Over 100
Saltwater	40-50
<b>Infrastructure and Services</b>	-
Marinas	None
Seafood Docks/Dealers	4-5
Commercial Ship/Boat Repair	2
Commercial Ship/Boat Builders	2
Net Makers/Dealers	1
Commercial Marine Supply	1
Seafood Transport	Numerous
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Galliano in 2003**

Type of Business	Frequency
Boat Builder/Broker	3
Boat Rentals & Pier	8
Marina	1
Processor; Seafood Dealer (Wholesaler)	1
Seafood Dealer (Wholesaler)	1
Total	14

**Table 4. Galliano Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	5,346,677	8,025,229

**Table 5. Galliano License/Permit Summary: 2000**

<b>Commercial</b> (based on physical residence data only)		<b>Recreational</b> (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
113	15	948	7,608
Total = 128		Average Number of Licenses per Household: 948/2,599 = .4	--
% Households Holding Commercial Permit or License: 128/2,599 = 4.9			

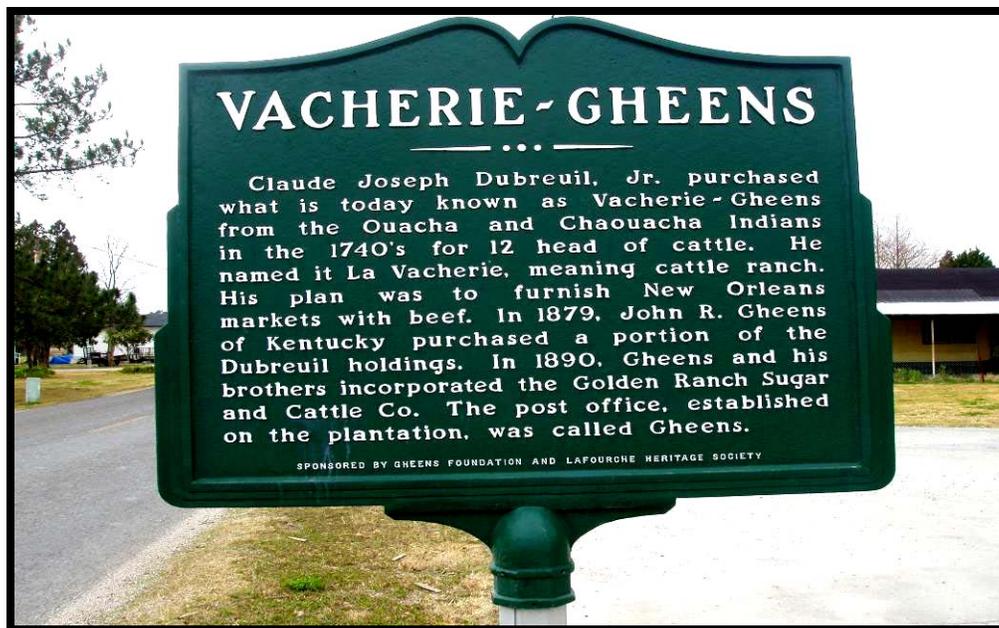
Please reference Table 3.12-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.12.3 Gheens (unincorporated, pop. 1,025)

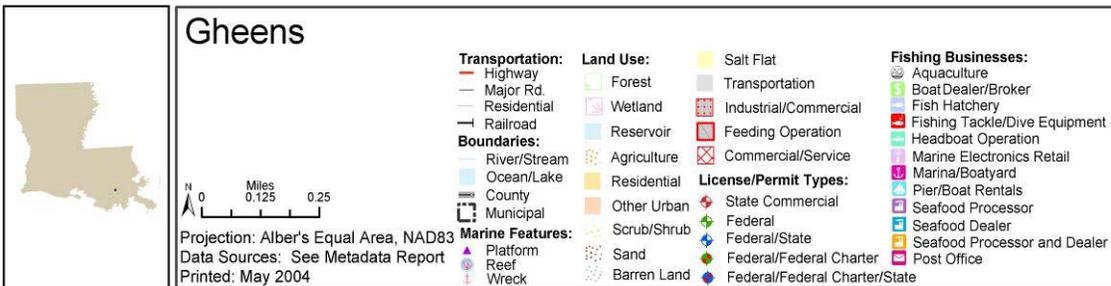
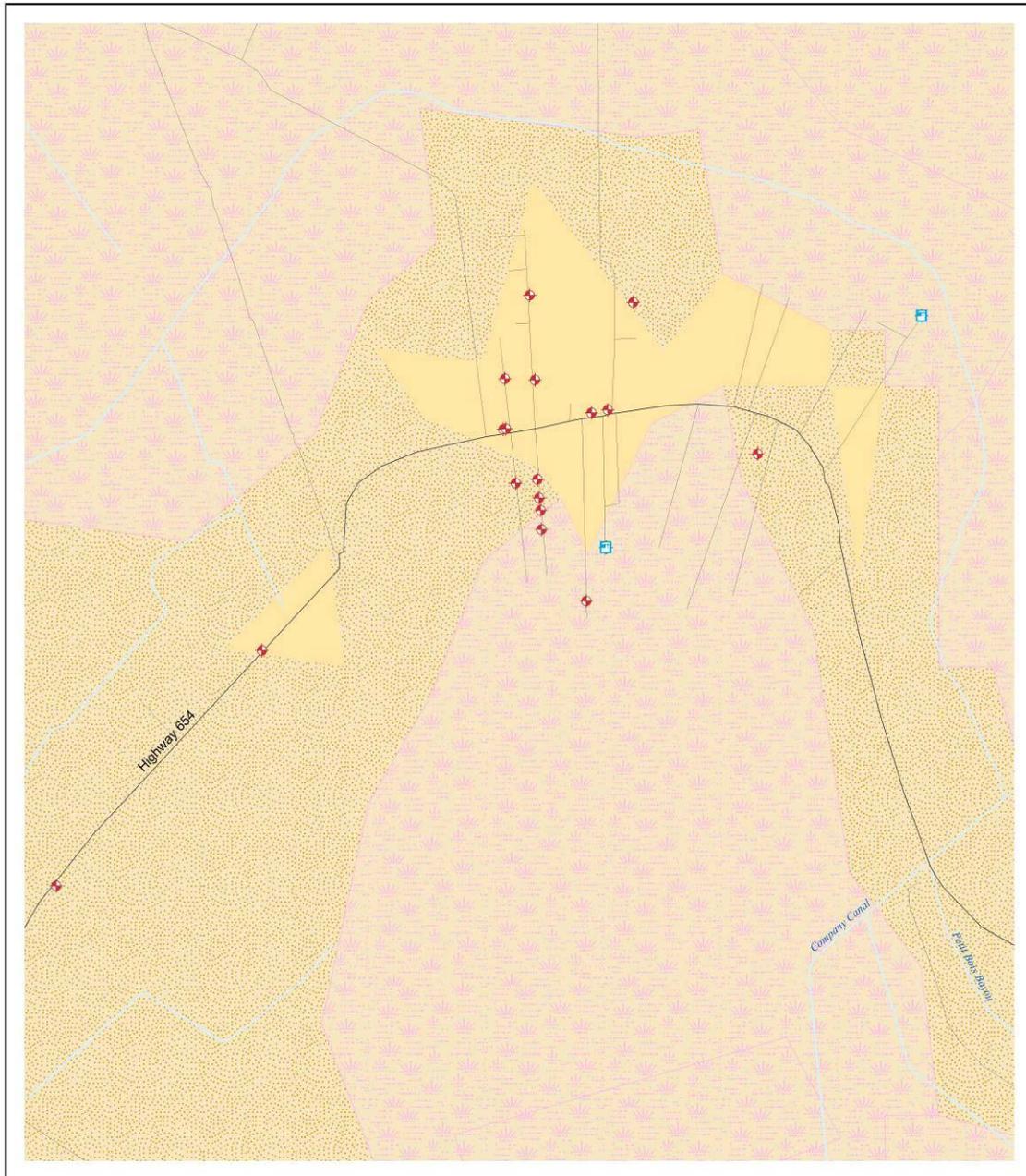
**Location and Overview.** Gheens is located approximately twelve miles east of Matthews along Highway 308. Although the Company Canal provides access to nearby Lake Salvador, the local hunting club discourages public use of these waters for fishing. Informants indicate the single boat ramp in the area is most frequently used for hunting.

**History.** The area that eventually became known as Gheens was originally established in the 1740s by French cattle farmer Claude Dubreuil. John Gheens developed the Golden Ranch Plantation as a sugarcane farm and cattle ranch in 1890. Today, much of the original plantation still functions as a cane farm and exclusive hunting club.

**Current Conditions and Trends.** Gheens had a year 2000 population of 1,025 persons, up from 978 in 1990. While fishing and hunting is popular in the area, there is little infrastructure or support service for commercial fishing here. This and various reports indicate that local participants in the region's crab and shrimp fisheries moor their vessels in communities further south along Bayou Lafourche. There were no resident federal permit holders in 2000, but a small contingent of commercial captains lived in the area that year, most focusing on crab and shrimp.



Gheens Historical Marker



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Gheens Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	978	1,025
<b>Gender Ratio M/F (Number)</b>	474/504	510/515
<b>Age (Percent of total population)</b>		
Under 18 years of age	31.4	30.0
18 to 64 years of age	60.7	60.7
65 years and over	7.9	9.3
<b>Ethnicity or Race (Number)</b>		
White	937	969
Black or African American	35	29
American Indian and Alaskan Native	3	3
Asian	0	0
Native Hawaiian and other Pacific Islander	N/A	2
Some other race	3	16
Two or more races	N/A	6
Hispanic or Latino (any race)	10	20
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	21.3	25.2
Percent high school graduate or higher	56.6	57.6
Percent with a Bachelor's degree or higher	5.4	6.2
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	20.4	19.5
And Percent who speak English less than very well	5.8	2.3
<b>Household income (Median \$)</b>	28,715	35,395
<b>Poverty Status (Percent of population with income below poverty line)</b>	12.2	8.5
<b>Percent female headed household</b>	6.6	7.9
<b>Home Ownership (Number)</b>		
Owner occupied	248	258
Renter occupied	53	54
<b>Value Owner-occupied Housing (Median \$)</b>	42,700	57,000
<b>Monthly Contract Rent (Median \$)</b>	145	342
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	56.4	49.1
Percent of civilian labor force unemployed	8.8	1.5
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	19.2
Service occupations	N/A	4.4
Sales and office occupations	N/A	20.5
Farming, fishing, and forestry occupations	1.6	1.5
Construction, extraction, and maintenance occupations	N/A	18.7
Production, transportation, and material moving occupations	N/A	35.4
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	1.6	5.2
Mining (includes the offshore oil/gas industry workforce)	11.6	6.8
Manufacturing	24.6	25.0
Percent government workers	9.7	10.1
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	N/A
Percent worked outside of county of residence	27.3	26.5

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Gheens in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	0
Skimmers	0
Butterfly	0
Crabbers	0
Oyster	0
Other Commercial	0
<b>Recreational Boats</b>	-
Freshwater	2
Saltwater	0
<b>Infrastructure and Services</b>	-
Marinas	0 (one ramp with attendant, \$3 to launch)
Seafood Docks/Dealers	0
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	0
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Gheens in 2003**

None listed.

**Table 4. Gheens Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	1,433,164	1,299,211

**Table 5. Gheens License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
20	0	207	26
Total = 20		Average Number of Licenses per Household: 207/312 = .7	--
% Households Holding Commercial Permit or License: 20/312 = 6.4			

Please reference Table 3.12-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.12.4 Golden Meadow (incorporated, pop. 2,193)

**Location and Overview.** Golden Meadow is the largest incorporated community along Bayou Lafourche, and the most southerly along the linear area of settlement (with the exception of distant Port Fourchon). The importance of the shrimping industry to the region is commemorated here in display of *Le Petit Caporal* in the center of the town. Built in 1854 for sailing and converted to gasoline power in the early 20<sup>th</sup> century, this vessel is the only surviving

example of a Louisiana “lugger.” The importance of recreational fishing to the area is also evinced in the number of RV camps, cabin rentals, and motels that serve visiting anglers. Indicating the centrality of Golden Meadow to all types of fishing in the region, the annual Blessing of the Fleet takes place here each August.

***Current Conditions and Trends.*** Golden Meadow had a year 2000 population of 2,193 persons; an increase of 144 persons since 1990. The number of persons claiming fishing as their primary occupation has also increased from 1990. Golden Meadow has fully developed commercial and recreational fisheries infrastructure. There are numerous seafood docks and dealers, and a number of boat construction and repair yards. There are at least two marine railways with lifts capable of out-hauling large offshore commercial fishing vessels and oil field supply vessels. Numerous large and small recreational and commercial vessels dock along the banks of Bayou Lafourche.

While Golden Meadow’s commercial fishing industry has thrived for many decades, some local fishermen report having recently experienced an economic downturn. One who has been in this industry since 1966 blames the influx of imported shrimp for the decline. Shrimp, crab, and oysters are important products here, and there are many resident state license holders. There are also active federal permits and harvest of various pelagic and reef fish species. A seafood processor was active here at the time of this study. At least six charter vessel operators were residing in or maintaining post office box addresses in the area during 2000. Vast areas of estuarine shrimping grounds lay adjacent to the community, and (distant) ocean access is enabled via Bayou Lafourche. As of 2003, six shrimp permit holders reported Golden Meadow addresses.



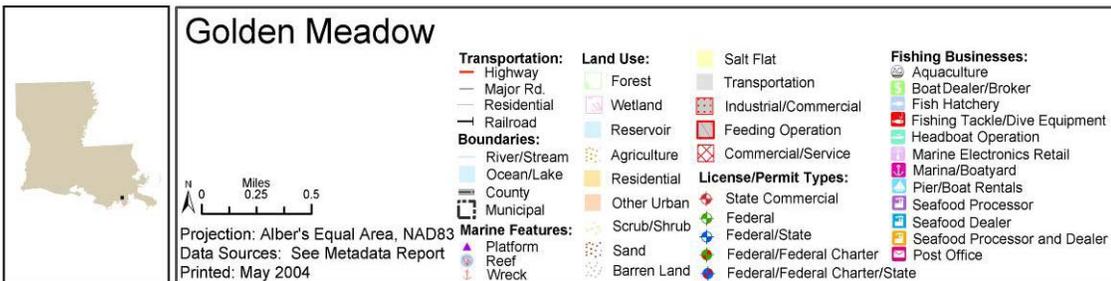
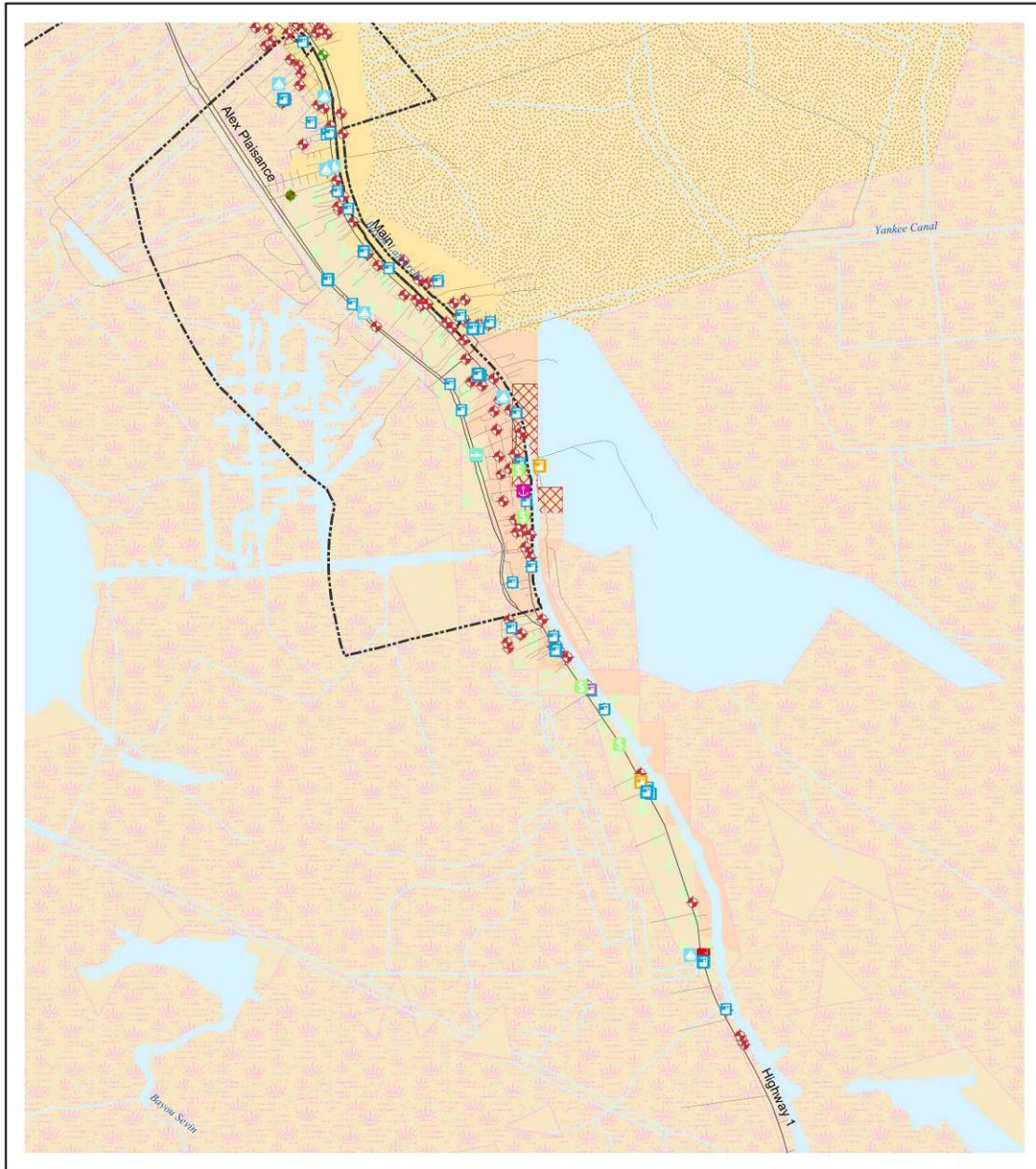
**Offshore Trawler at Golden Meadow in 2003**



**Boat Yard in Golden Meadow, 2003**



**Businesses and Boats along the Bayou at Golden Meadow**



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Golden Meadow Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	2,049	2,193
<b>Gender Ratio M/F (Number)</b>	970/1,079	1,069/1,124
<b>Age (Percent of total population)</b>		
Under 18 years of age	26.3	27.9
18 to 64 years of age	58.5	56.6
65 years and over	15.2	15.5
<b>Ethnicity or Race (Number)</b>		
White	1,939	2,029
Black or African American	0	11
American Indian and Alaskan Native	92	106
Asian	9	9
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	9	17
Two or more races	N/A	21
Hispanic or Latino (any race)	87	32
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	41.8	27.0
Percent high school graduate or higher	44.2	54.3
Percent with a Bachelor's degree or higher	6.2	8.1
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	54.5	40.0
And Percent who speak English less than very well	17.2	10.3
<b>Household income (Median \$)</b>	16,373	28,690
<b>Poverty Status (Percent of population with income below poverty line)</b>	22.7	18.8
<b>Percent female headed household</b>	11.9	9.9
<b>Home Ownership (Number)</b>		
Owner occupied	573	637
Renter occupied	204	184
<b>Value Owner-occupied Housing (Median \$)</b>	37,400	57,600
<b>Monthly Contract Rent (Median \$)</b>	173	243
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	46.6	50.1
Percent of civilian labor force unemployed	3.1	4.4
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	20.2
Service occupations	N/A	13.0
Sales and office occupations	N/A	18.2
Farming, fishing, and forestry occupations	3.2	7.5
Construction, extraction, and maintenance occupations	N/A	11.6
Production, transportation, and material moving occupations	N/A	29.5
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting (and mining)	4.1	6.0
Mining (includes the offshore oil/gas industry workforce)	11.4	12.0
Manufacturing	4.5	8.0
Percent government workers	10.9	12.8
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	30.9
Percent worked outside of county of residence	9.8	13.3

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Golden Meadow in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	75-100
Skimmers	100-150
Butterfly	20-30
Crabbers	50-100
Oyster	5-10
Other Commercial	Numerous (oil field)
<b>Recreational Boats</b>	-
Freshwater	Over 100
Saltwater	40-50
<b>Fishing Infrastructure and Services</b>	-
Marinas	None
Seafood Docks/Dealers	11
Commercial Ship/Boat Repair	6
Commercial Ship/Boat Builders	6
Net Makers/Dealers	1
Commercial Marine Supply	1
Seafood Transport	Numerous
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Golden Meadow in 2003**

Type of Business	Frequency
Boat Builder/Broker	6
Boat Rentals & Pier	8
Boat Rentals & Pier; Diving & Fishing Equipment	1
Marina	4
Processor	2
Processor; Seafood Dealer (Wholesaler)/ Retailer	1
Processor; Seafood Dealer (Wholesaler)	1
Seafood Retailer	8
Seafood Dealer (Wholesaler)/ Retailer	1
Seafood Dealer (Wholesaler)	6
Total	38

**Table 4. Golden Meadow Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	5,878,722	7,686,284

**Table 5. Golden Meadow License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
107	13	612	4,075
Total = 120		Average Number of Licenses per Household: 612/821 = .7	--
% Households Holding Commercial Permit or License: 120/821 = 14.6			

Please reference Table 3.12-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.12.5 Larose (unincorporated, pop. 7,306)

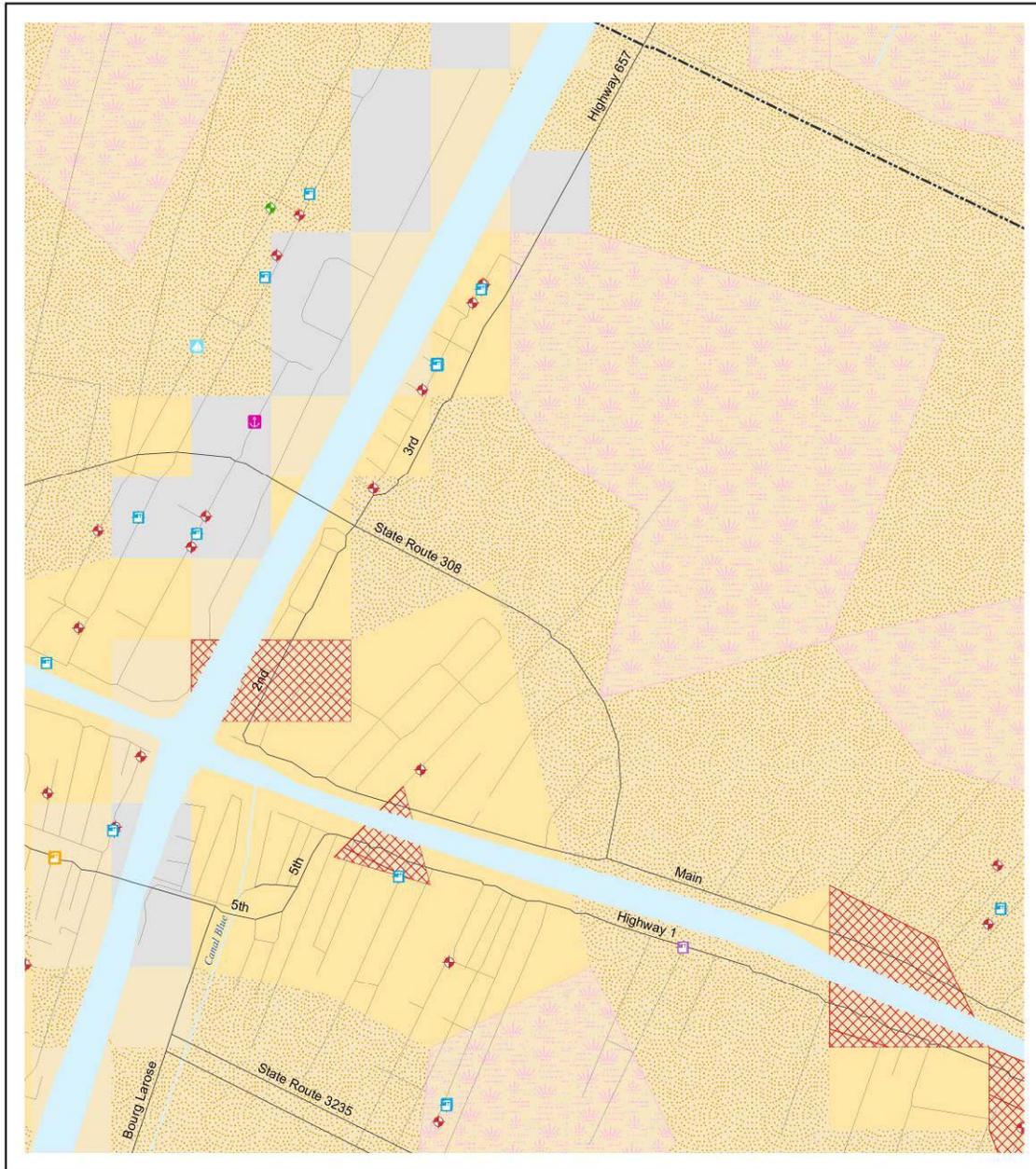
**Location and Overview.** Larose is a small town located between Houma and New Orleans on Highway 308, along the banks of Bayou Lafourche at its intersection with the Gulf Intracoastal Waterway. The parish is south of Lake Salvador and northwest of Barataria Bay. While commercial boats dock at Larose, its location relatively far north and above numerous drawbridges on Bayou Lafourche makes it less popular as a point of departure and mooring for offshore commercial vessels than in the towns further south.

**Current Conditions and Trends.** The Larose economy is based primarily in a combination of petroleum support services, fishing, and sugarcane farming. There are many recreational boats in local driveways, and some commercial boats on the bayou. There is an important shipbuilder in the area, primarily serving oil field and Coast Guard vessels.

A local seafood specialist reports that business is becoming increasingly difficult as the local fleet faces increased expenses and permit costs, licensing costs, labor-intensive filling out of forms, and so forth. Local seafood processors employed an average of 12 persons in 1980, and five persons in 1990. A processor remained active in 2000, and an extensive fleet of state-licensed commercial operators focused on shrimp and crab. Oysters are also seasonally important. Four Gulf shrimp permit holders were living in the Larose area in 2003.



**Offshore Petroleum Support Vessel at Larose**



## Larose

Projection: Albers Equal Area, NAD83  
Data Sources: See Metadata Report  
Printed: May 2004

<p><b>Transportation:</b></p> <ul style="list-style-type: none"> <li>Highway</li> <li>Major Rd.</li> <li>Residential</li> <li>Railroad</li> </ul> <p><b>Boundaries:</b></p> <ul style="list-style-type: none"> <li>River/Stream</li> <li>Ocean/Lake</li> <li>County</li> <li>Municipal</li> </ul> <p><b>Marine Features:</b></p> <ul style="list-style-type: none"> <li>Platform</li> <li>Reef</li> <li>Wreck</li> </ul>	<p><b>Land Use:</b></p> <ul style="list-style-type: none"> <li>Forest</li> <li>Wetland</li> <li>Reservoir</li> <li>Agriculture</li> <li>Residential</li> <li>Other Urban</li> <li>Scrub/Shrub</li> <li>Sand</li> <li>Barren Land</li> </ul>	<ul style="list-style-type: none"> <li>Salt Flat</li> <li>Transportation</li> <li>Industrial/Commercial</li> <li>Feeding Operation</li> <li>Commercial/Service</li> </ul> <p><b>License/Permit Types:</b></p> <ul style="list-style-type: none"> <li>State Commercial</li> <li>Federal</li> <li>Federal/State</li> <li>Federal/Federal Charter</li> <li>Federal/Federal Charter/State</li> </ul>	<p><b>Fishing Businesses:</b></p> <ul style="list-style-type: none"> <li>Aquaculture</li> <li>Boat Dealer/Broker</li> <li>Fish Hatchery</li> <li>Fishing Tackle/Dive Equipment</li> <li>Headboat Operation</li> <li>Marine Electronics Retail</li> <li>Marina/Boatyard</li> <li>Pier/Boat Rentals</li> <li>Seafood Processor</li> <li>Seafood Dealer</li> <li>Seafood Processor and Dealer</li> <li>Post Office</li> </ul>
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Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Larose Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	5,772	7,306
<b>Gender Ratio M/F (Number)</b>	2,884/2,888	3,592/3,714
<b>Age (Percent of total population)</b>		
Under 18 years of age	33.0	27.2
18 to 64 years of age	60.3	60.3
65 years and over	6.7	12.5
<b>Ethnicity or Race (Number)</b>		
White	4,753	6,252
Black or African American	526	413
American Indian and Alaskan Native	268	282
Asian	194	174
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	31	61
Two or more races	N/A	124
Hispanic or Latino (any race)	85	184
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	27.1	23.0
Percent high school graduate or higher	53.8	60.7
Percent with a Bachelor's degree or higher	7.7	8.6
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	41.1	35.9
And Percent who speak English less than very well	12.3	9.7
<b>Household income (Median \$)</b>	22,370	38,141
<b>Poverty Status (Percent of population with income below poverty line)</b>	22.2	15.5
<b>Percent female headed household</b>	11.4	9.9
<b>Home Ownership (Number)</b>		
Owner occupied	1,540	2,166
Renter occupied	352	313
<b>Value Owner-occupied Housing (Median \$)</b>	48,900	82,200
<b>Monthly Contract Rent (Median \$)</b>	172	377
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	54.2	55.4
Percent of civilian labor force unemployed	7.7	4.1
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	23.0
Service occupations	N/A	11.4
Sales and office occupations	N/A	20.9
Farming, fishing, and forestry occupations	5.0	2.5
Construction, extraction, and maintenance occupations	N/A	14.9
Production, transportation, and material moving occupations	N/A	27.2
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	4.9	2.8
Mining (includes the offshore oil/gas industry workforce)	12.9	10.3
Manufacturing	9.6	10.7
Percent government workers	10.3	11.5
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	29.5
Percent worked outside of county of residence	15.9	21.5

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Larose in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	4-5
Skimmers	8-10
Butterfly	None Seen
Crabbers	15-20
Oyster	0
Other Commercial	10-15 (oil field)
<b>Recreational Boats</b>	-
Freshwater	40-50
Saltwater	20-30
<b>Services and Infrastructure</b>	-
Marinas	0
Seafood Docks/Dealers	2
Commercial Ship/Boat Repair	4
Commercial Ship/Boat Builders	4
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	4-5
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Larose in 2003**

Type of Business	Frequency
Boat Builder/Broker	1
Marina	1
Seafood Retailer	1
Seafood Dealer (Wholesaler)	1
Total	4

**Table 4. Larose Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	2,034,677	2,732,114

**Table 5. Larose License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
9	1	491	213
Total = 10		Average Number of Licenses per Household: $491/2,479 = .2$	--
% Households Holding Commercial Permit or License: $10/2,479 = .4$			

Please reference Table 3.12-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.



Crab pots in Larose Backyard

### 3.12.6 Leeville (unincorporated, pop. 93)

**Location and Overview.** Leeville is a small town located along State Route 1 south of Golden Meadow and northwest of Grand Isle. The area is low and prone to flooding, especially during hurricane season. Nearly all structures are built on stilts. There is no post office, and residences use Golden Meadow addresses. As such, our descriptive secondary data are sparse. Lacking retail and civic infrastructure, Leeville residents are closely associated in many ways with Golden Meadow and its residents.

Leeville's economy is based primarily in the oil and fishing industries. Indeed, all commercial activities in this community are in some fashion related to either fishing or oil field support. Local motels cater to recreational anglers, and all the restaurants serve seafood.

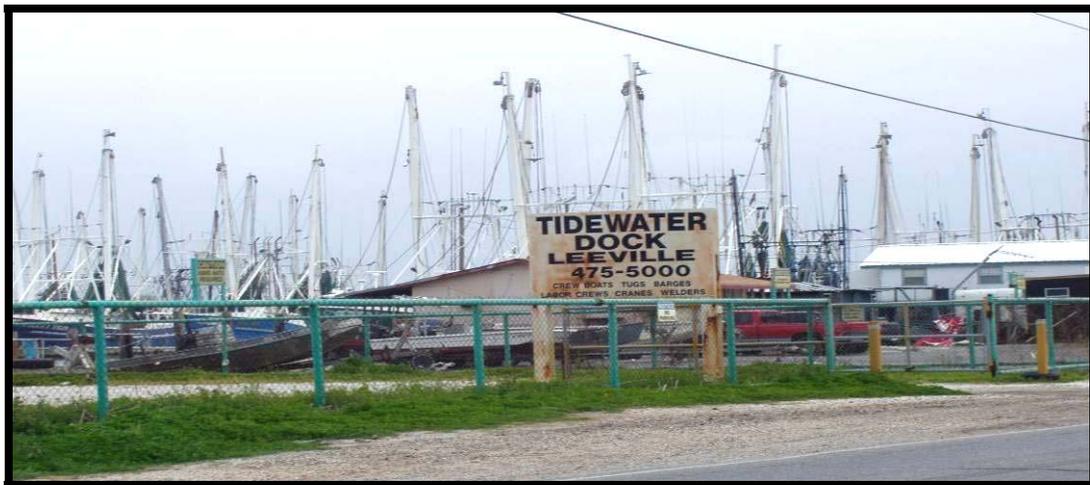
**History.** Leeville originated as a subsistence-oriented community along a small area of slightly elevated ground sometime during the late nineteenth-century. The town was destroyed by a hurricane in 1915. The rise of the region's oil industry facilitated the community's recovery in during the 1930s. Erosion, sea-level rise, and changes in regional geology (some blame petroleum extraction) are said to be causing the area to sink. In fact, some graves at the original Leeville cemetery are now underwater.

**Current Conditions and Trends.** Leeville had a year 2000 population of 93 persons. The difference from the much larger 1990 count reflects census boundaries that formerly encompassed parts of adjacent municipalities. Although offshore oil industry support services are the primary form of employment, most Leeville residents of working age are involved in some aspect of the fishing industry. The town was listed as the 13<sup>th</sup> highest-producing U.S. fishing port in 2000 and 15<sup>th</sup> highest in 2002 (see National Fisherman 2004). Leeville has several boat ramps, bait stands, dry storage facilities, and docks along Highway 1.

There are also several seafood processors, a head boat operation, and a fleet of offshore trawlers docked here. Buyers located at five docks or “shrimp sheds” in Leeville purchase much of the fish and shrimp brought into port. Given Leeville’s close proximity to Gulf access, some such vessels are owned by persons living in other Bayou Lafourche communities. Many recreational vessels dock alongside shrimp and oyster boats and finfish buyers. No processor employment data are available for Leeville.

Both inshore and offshore species are pursued from the Leeville area, including red drum, flounder, trout, amberjack, cobia, king mackerel, drum, and red snapper. Shrimp trawlers are active and highly productive; approximately 100 trawlers are moored in the area. Both local harvesters and commercial operators from throughout the region sell to Leeville seafood buyers.

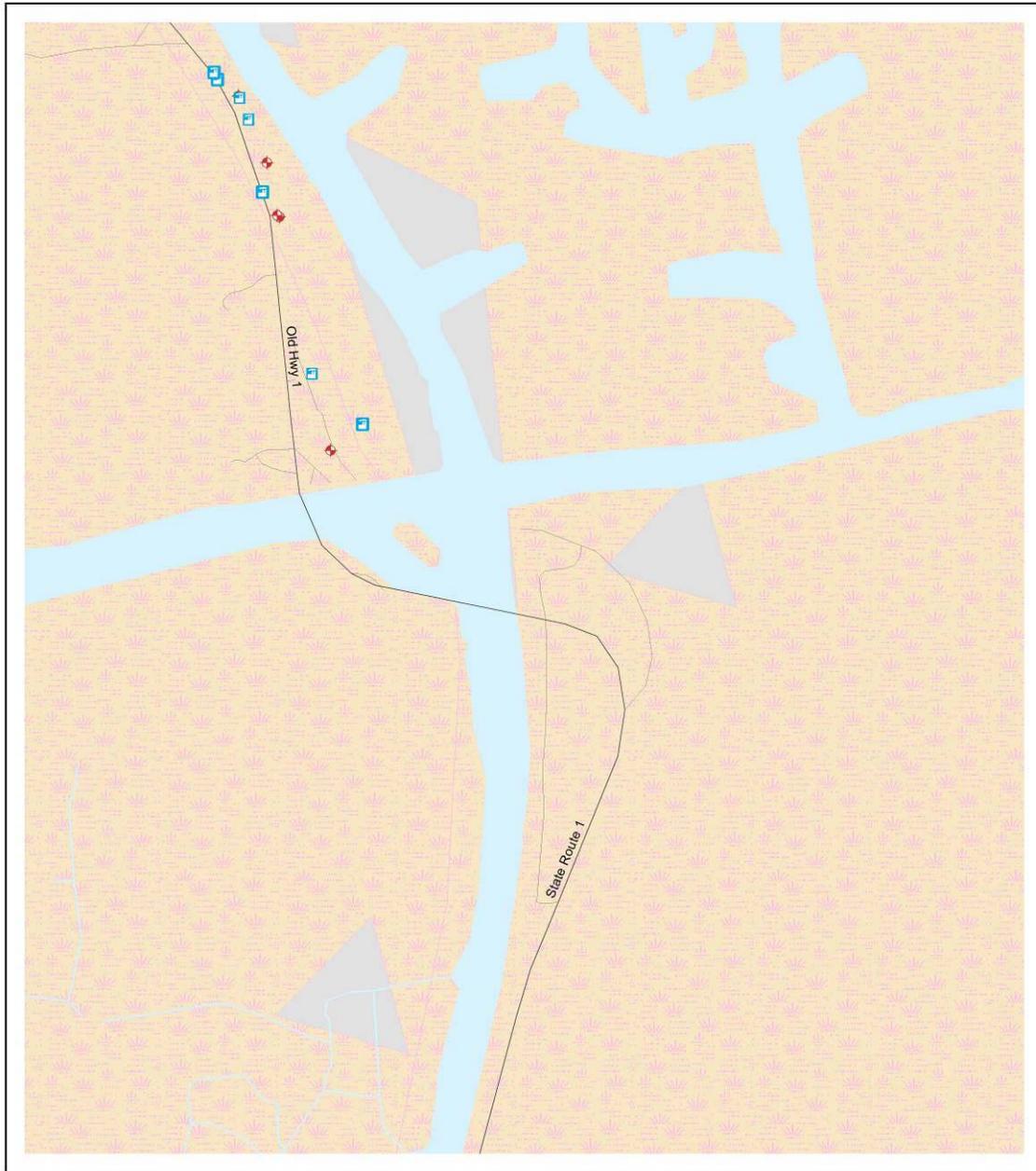
Recreation-oriented fishing has also increased in importance in recent years, and several charter-fishing operations cater to that market. One resident stated that his charter/guide service operates seven vessels and takes an average of 150 persons fishing per month. Numerous other guide operations also serve that market.



**Offshore Trawlers and a Petroleum Support Facility in Leeville**



**Estuarine Zone Surrounding Leeville** (courtesy of marshmission.com)



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only. Physical address data for Leeville residents is limited given postal service connections with surrounding communities.

**Table 1. Leeville Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,261	93
<b>Gender Ratio M/F (Number)</b>	653/608	51/42
<b>Age (Percent of total population)</b>		
Under 18 years of age	30.6	11.8
18 to 64 years of age	60.7	73.2
65 years and over	8.7	15.0
<b>Ethnicity or Race (Number)</b>		
White	1,175	93
Black or African American	1	0
American Indian and Alaskan Native	68	0
Asian	14	0
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	3	0
Two or more races	N/A	0
Hispanic or Latino (any race)	8	0
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	49.0	13.5
Percent high school graduate or higher	34.6	39.1
Percent with a Bachelor's degree or higher	1.4	0
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	44.8	19.3
And Percent who speak English less than very well	13.5	0
<b>Household income (Median \$)</b>	18,935	9,375
<b>Poverty Status (Percent of population with income below poverty line)</b>	33.0	27.7
<b>Percent female headed household</b>	8.0	2.1
<b>Home Ownership (Number)</b>		
Owner occupied	333	33
Renter occupied	76	5
<b>Value Owner-occupied Housing (Median \$)</b>	33,100	43,300
<b>Monthly Contract Rent (Median \$)</b>	222	0
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	51.5	48.6
Percent of civilian labor force unemployed	1.1	2.7
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	0
Service occupations	N/A	0
Sales and office occupations	N/A	0
Farming, fishing, and forestry occupations	7.8	0
Construction, extraction, and maintenance occupations	N/A	0
Production, transportation, and material moving occupations	N/A	100%
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	1.5	0.1
Mining (includes the offshore oil/gas industry workforce)	0.0	3.9
Manufacturing	3.6	0
Percent government workers	12.7	0
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	N/A
Percent worked outside of county of residence	21.6	0

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed at Leeville in 2003**

Factor	Quantity
<b>Commercial Vessels</b>	-
Trawls	30-50
Skimmers	30-50
Butterfly	5-10
Crabbers	20-30
Oyster	4-5
Other Commercial	10-15 (oil field)
<b>Recreational Vessels</b>	-
Freshwater	20-30
Saltwater	20-30
<b>Infrastructure and Services</b>	-
Marinas	2
Seafood Docks/Dealers	5-6
Commercial Ship/Boat Repair	2
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	15-20
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Leeville in 2003**

None Listed.

**Table 4. Leeville Commercial Landings and Value Summary: 2000**

Data not available.

**Table 5. Leeville License/Permit Summary: 2000**

Data not available.

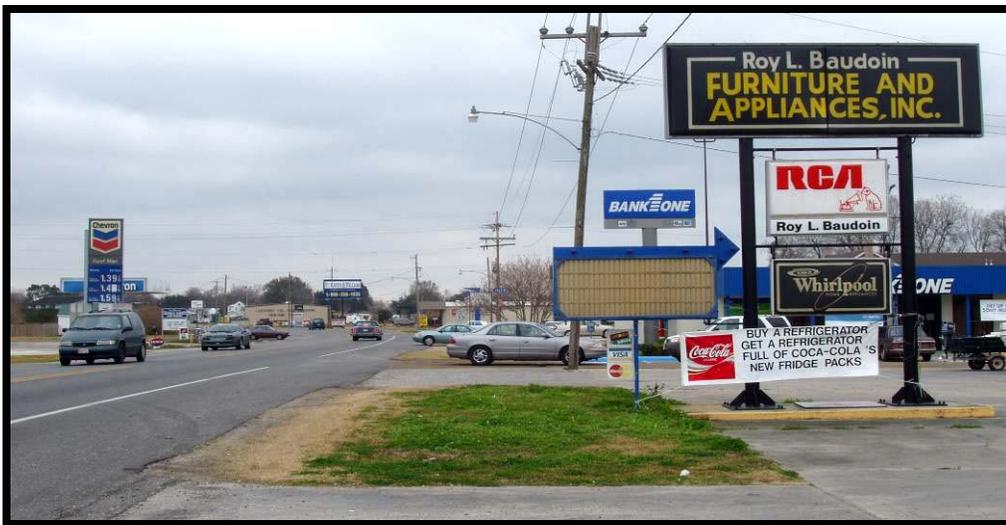
### 3.12.7 Lockport (incorporated, pop,2,624)

**Location and Overview.** Lockport is located along Bayou Lafourche on Highway 1 between Raceland and Cut Off. The economy here is based primarily in rural agricultural activities. Sugarcane farms and old plantation homes are common here. Numerous residents are employed in commercial fishing and petroleum-related industries.

**History.** In 1823, William Field donated a small parcel of his land to the Barataria and Lafourche Canal Company, which in turn built a canal across Bayou Lafourche, thus linking Bayou Terrebonne to New Orleans. Because Bayou Lafourche rises and falls with Mississippi River levels, a lock was built at its link with the river. The settlement that formed around this lock was aptly named Lockport. Completed in 1847, the canal facilitated new wealth through the area. Lockport was incorporated in 1899. History is evident in its brick sidewalks, iron bridge over the bayou, and its traditionally configured grid layout with central business area.

**Current Conditions and Trends.** The Town of Lockport had a year 2000 population of 2,624 persons, up slightly from 1990. Many residents fish recreationally. One local wholesaler claimed that while commercial fishing is important, many of the captains who sell to his business live elsewhere, and many local commercial participants keep their vessels down the Bayou closer to the Gulf. Another informant argued that recreational and sports fishing play a visible role in Lockport's economy. There is some local commercial fishing infrastructure here, including a boat fabrication and repair yard, and a major ship builder.

Crab and shrimp are important to the sizeable fleet of locally based captains and crew. There is also some offshore activity via locally held federal permits. Local processors employed an average of ten persons in 1980, six in 1990, and an undisclosed number in 2000.



**Typical Scene along Highway 1 in Contemporary Lockport, 2003**



**Bayou Lafourche at Lockport**



**Table 1. Lockport Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	2,503	2,624
<b>Gender Ratio M/F (Number)</b>	1,215/1,288	1,228/1,396
<b>Age (Percent of total population)</b>		
Under 18 years of age	28.3	25.8
18 to 64 years of age	59.0	60.3
65 years and over	12.7	13.9
<b>Ethnicity or Race (Number)</b>		
White	2,471	2,512
Black or African American	13	27
American Indian and Alaskan Native	12	43
Asian	2	11
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	5	16
Two or more races	N/A	15
Hispanic or Latino (any race)	40	31
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	26.0	17.9
Percent high school graduate or higher	55.3	63.4
Percent with a Bachelor's degree or higher	9.5	10.7
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	21.8	19.8
And Percent who speak English less than very well	3.8	5.4
<b>Household income (Median \$)</b>	21,717	34,688
<b>Poverty Status (Percent of population with income below poverty line)</b>	18.3	19.7
<b>Percent female headed household</b>	10.2	10.4
<b>Home Ownership (Number)</b>		
Owner occupied	654	733
Renter occupied	246	276
<b>Value Owner-occupied Housing (Median \$)</b>	42,600	65,500
<b>Monthly Contract Rent (Median \$)</b>	228	412
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	51.6	56.5
Percent of civilian labor force unemployed	4.9	5.0
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	23.5
Service occupations	N/A	10.7
Sales and office occupations	N/A	23.4
Farming, fishing, and forestry occupations	1.4	0.7
Construction, extraction, and maintenance occupations	N/A	14.2
Production, transportation, and material moving occupations	N/A	27.5
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	1.4	0.7
Mining (includes the offshore oil/gas industry workforce)	4.6	4.3
Manufacturing	23.4	21.8
Percent government workers	8.0	12.7
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	27.7
Percent worked outside of county of residence	25.9	28.8

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Lockport in 1003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	Several Seen
Skimmers	10-15
Butterfly	None Seen
Crabbers	10-20
Oyster	0
Other Commercial	15-20 (at repair yards)
<b>Recreational Boats</b>	-
Freshwater	40-50
Saltwater	30-40
<b>Infrastructure and Services</b>	
Marinas	0
Seafood Docks/Dealers	3-4
Commercial Ship/Boat Repair	2
Commercial Ship/Boat Builders	2
Net Makers/Dealers	0
Commercial Marine Supply	1
Seafood Transport	5-10
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Lockport in 2003**

Type of Business	Frequency
Boat Builder/Broker	5
Boat Builder/Broker; GPS & Instrumentation	1
Boat Rentals & Pier	4
Marina	1
Processor; Seafood Dealer (Wholesaler)	1
Seafood Retailer	1
Seafood Dealer (Wholesaler)	2
Total	15

**Table 4. Lockport Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	2,991,087	3,395,190

**Table 5. Lockport License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
95	5	1,925	497
Total = 100		Average Number of Licenses per Household: 1,925/1,009 = 1.9	--
% Households Holding Commercial Permit or License: 100/1,009 = 40.7			

Please reference Table 3.12-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.12.8 Port Fourchon (unincorporated, pop.1,266)

**Location and Overview.** Port Fourchon is located in the far southern portion of Lafourche Parish where Bayou Lafourche meets the Gulf of Mexico. Port Fourchon is an industrial center for deepwater petroleum exploration and development in the Gulf. It is also very likely the largest single concentration of offshore petroleum support facilities in the lower-48. The Louisiana Offshore Oil Port (LOOP), the nation's only super port, is located 19 miles southeast. Constructed by a group of major oil and pipeline companies, LOOP is the central point of distribution for supertankers in the Gulf region.

While extensive offshore petroleum support facilities and vessel operations dominate the landscape and local economy, Port Fourchon is also a harbor for several deep sea charter boats and offshore shrimp trawlers. The offshore trawlers are docked at two locations near the southern and northern ends of the port near a small marina. As is the case for Leeville, secondary source data for Port Fourchon are sparse at best. This is due in large part because there is no permanent residential area here. Vessels are kept here, and captains operate from the area but live elsewhere.

There *are* many fish camps fronting Bayou Terellon along Route 3090 near Port Fourchon; these are almost entirely recreational/weekend dwellings. A great deal of fishing occurs in the adjacent bayous and canals. There are also a growing number of upscale camp settlements west of the junction of Highway 1 and Route 3090. Various offshore sports fishing vessels are docked along the canal here.



Port Fourchon, Bayou Lafourche, and the Gulf of Mexico in 2003

***Current Conditions and Trends.*** Year 2000 census figures do not accurately portray the resident population of Port Fourchon in that census-delineated tracts for this area include part of the populations of Grand Isle and Leeville. In reality, there are few permanent residents here; many persons who moor their vessels here live north of the port in communities along Bayou Lafourche, or as far away as Houma.



**Deepwater Offshore Supply Vessel**



**Offshore trawlers Docked at Port Fourchon, 2003**



### Port Fourchon

Projection: Alber's Equal Area, NAD83  
 Data Sources: See Metadata Report  
 Printed: May 2004

<b>Transportation:</b> Highway Major Rd. Residential Railroad <b>Boundaries:</b> River/Stream Ocean/Lake County Municipal <b>Marine Features:</b> Platform Reef Wreck	<b>Land Use:</b> Forest Wetland Reservoir Agriculture Residential Other Urban Scrub/Shrub Sand Barren Land	Salt Flat Transportation Industrial/Commercial Feeding Operation Commercial/Service <b>License/Permit Types:</b> State Commercial Federal Federal/State Federal/Federal Charter Federal/Federal Charter/State	<b>Fishing Businesses:</b> Aquaculture Boat Dealer/Broker Fish Hatchery Fishing Tackle/Dive Equipment Headboat Operation Marine Electronics Retail Pier/Boat Rentals Seafood Processor Seafood Dealer Seafood Processor and Dealer Post Office
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Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Port Fourchon Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,372	1,266
<b>Gender Ratio M/F (Number)</b>	653/608	640/626
<b>Age (Percent of total population)</b>		
Under 18 years of age	28.2	23.1
18 to 64 years of age	63.8	61.4
65 years and over	8.0	15.5
<b>Ethnicity or Race (Number)</b>		
White	1,175	1,124
Black or African American	1	7
American Indian and Alaskan Native	68	106
Asian	14	0
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	3	5
Two or more races	N/A	24
Hispanic or Latino (any race)	8	9
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	49.0	18.5
Percent high school graduate or higher	34.6	47.6
Percent with a Bachelor's degree or higher	1.4	3.2
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	44.8	38.7
And Percent who speak English less than very well	13.5	7.5
<b>Household income (Median \$)</b>	18,935	19,062
<b>Poverty Status (Percent of population with income below poverty line)</b>	32.3	21.4
<b>Percent female headed household</b>	7.4	6.8
<b>Home Ownership (Number)</b>		
Owner occupied	333	408
Renter occupied	76	58
<b>Value Owner-occupied Housing (Median \$)</b>	33,100	48,950
<b>Monthly Contract Rent (Median \$)</b>	222	334
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	51.5	47.8
Percent of civilian labor force unemployed	2.1	4.2
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	12.0
Service occupations	N/A	15.8
Sales and office occupations	N/A	31.6
Farming, fishing, and forestry occupations	7.8	4.9
Construction, extraction, and maintenance occupations	N/A	10.6
Production, transportation, and material moving occupations	N/A	24.9
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	6.4	6.2
Mining (includes the offshore oil/gas industry workforce)	7.7	8.9
Manufacturing	3.6	5.1
Percent government workers	12.7	2.2
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	40.0	18.8
Percent worked outside of county of residence	15.4	14.1

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Port Fourchon in 2003**

Factor	Quantity
<b>Commercial Vessels</b>	-
Trawls	30-40
Skimmers	0
Butterfly	0
Crabbers	0
Oyster	0
Other Commercial	3-5 Charter boats, 50-60 oil field support vessels
<b>Recreational Vessels</b>	-
Freshwater	0
Saltwater	0
<b>Infrastructure and Services</b>	-
Marinas	1
Seafood Docks/Dealers	1
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	2
Seafood Transport	2
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Port Fourchon in 2003**

None listed.

**Table 4. Port Fourchon Commercial Landings and Value Summary: 2000** (based on all address fields)

Data not available.

**Table 5. Port Fourchon License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
--	--	0	483
Total = --		Average Number of Licenses per Household: --	--
% Households Holding Commercial Permit or License: --			

Please reference Table 3.12-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.12.9 Raceland (unincorporated, pop.10,224)

**Location and Overview.** Raceland is located at the junction of Highways 1 and 308 in the northern part of Lafourche Parish. The economy of this growing community is based primarily in sugarcane agriculture and petrochemical production. The Boeuf Wildlife Management Area is adjacent. This is a popular area for duck hunting and recreational angling.

**History.** Raceland was named after a then-popular 1850s horse-racing track. Plantation-era history is evident in the area's many restored plantation homes, such as the Rosella Plantation, which dates to 1814. A restored 1890s Creole cottage called "Khi Oaks" is a popular attraction today.

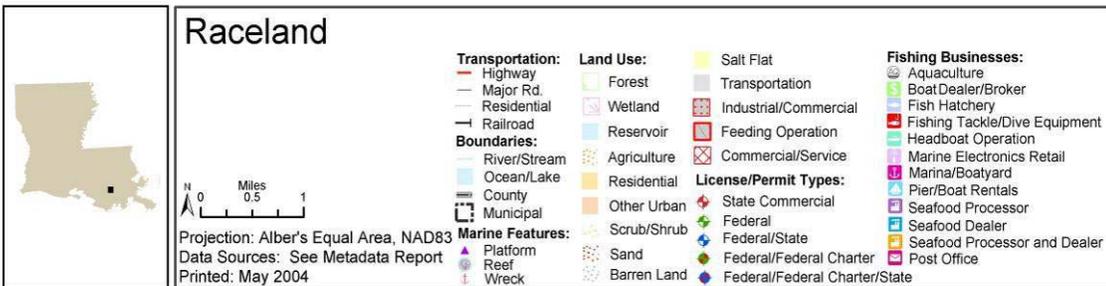
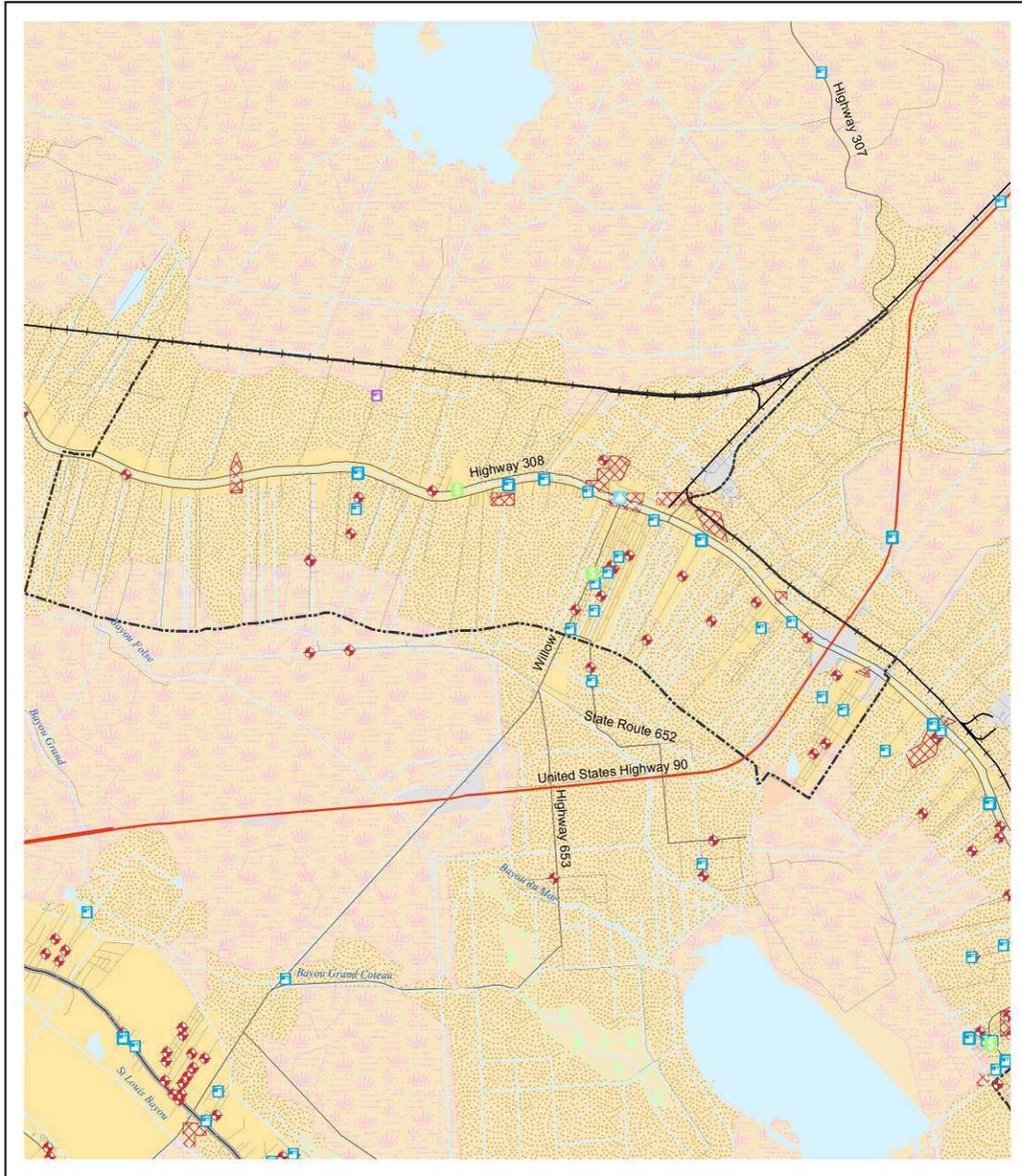


**Raceland Public Library and Bank**

**Current Conditions and Trends.** Raceland is a census-designated place with a year 2000 population of 10,224 persons; an increase of 4,660 residents from 1990. Many fish recreationally in nearby wetland areas but Gulf access is distant. State commercial license holders focus on harvest of crab. There are no resident federal permit holders.



**Bayou Lafourche at Raceland (navigable only by small boats)**



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Raceland Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	5,564	10,224
<b>Gender Ratio M/F (Number)</b>	2,643/2,921	4,945/5,279
<b>Age (Percent of total population)</b>		
Under 18 years of age	30.3	27.7
18 to 64 years of age	58.6	59.4
65 years and over	11.1	12.9
<b>Ethnicity or Race (Number)</b>		
White	4,362	7,278
Black or African American	1,161	2,682
American Indian and Alaskan Native	21	98
Asian	3	26
Native Hawaiian and other Pacific Islander	N/A	4
Some other race	17	66
Two or more races	N/A	70
Hispanic or Latino (any race)	61	157
<b>Educational Attainment (population 25 and over)</b>		
Percent with less than 9 <sup>th</sup> grade	27.7	19.4
Percent high school graduate or higher	52.7	64.4
Percent with a Bachelor's degree or higher	6.5	10.8
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	21.1	15.8
And Percent who speak English less than very well	6.6	4.7
<b>Household income (Median \$)</b>	19,688	31,969
<b>Poverty Status (Percent of population with income below poverty line)</b>	25.6	18.0
<b>Percent female headed household</b>	14.8	15.8
<b>Home Ownership (Number)</b>		
Owner occupied	1,476	2,936
Renter occupied	429	720
<b>Value Owner-occupied Housing (Median \$)</b>	45,600	73,800
<b>Monthly Contract Rent (Median \$)</b>	177	366
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	55.6	54.4
Percent of civilian labor force unemployed	9.5	6.2
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	24.3
Service occupations	N/A	16.7
Sales and office occupations	N/A	22.7
Farming, fishing, and forestry occupations	3.0	1.5
Construction, extraction, and maintenance occupations	N/A	13.8
Production, transportation, and material moving occupations	N/A	21.1
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	4.0	2.8
Mining (includes the offshore oil/gas industry workforce)	7.3	6.3
Manufacturing	21.4	17.9
Percent government workers	8.8	14.1
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	27.9
Percent worked outside of county of residence	39.9	41.4

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Raceland in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	0
Skimmers	3
Butterfly	0
Crabbers	0
Oyster	0
Other Commercial	0
<b>Recreational Boats</b>	-
Freshwater	30-40
Saltwater	10-15
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	4
Commercial Ship/Boat Repair	1
Commercial Ship/Boat Builders	2
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	0
Fishing Pier	1

**Table 3. Primary Fishing-related Businesses Listed for Raceland in 2003**

Type of Business	Frequency
Boat Builder/Broker	2
Boat Rentals & Pier	1
Processor	1
Seafood Retailer	5
Total	9

**Table 4. Raceland Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	784,363	647,181

**Table 5. Raceland License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
35	0	2,389	665
Total = 35		Average Number of Licenses per Household: 2,389/3,656 = .7	--
% Households Holding Commercial Permit or License: 35/3,656 = .9			

Please reference Table 3.12-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.12.10 Thibodaux

**Location and Overview.** Thibodaux is the parish seat of Lafourche Parish and home to Nicholls State University. Thibodaux is located north of Houma at the intersection of Highways 20, 1, and 308. Although its economy is dominated by sugarcane farming, petrochemical production, and associated services, tourism is becoming increasingly important. A downtown area focus on local history, with several antique and retail shops, department stores, museum, boardwalk, art

gallery, and historic buildings and homes. Several plantation homes have been converted into bed and breakfast inns; others are open for tours. Numerous businesses serve local college students.

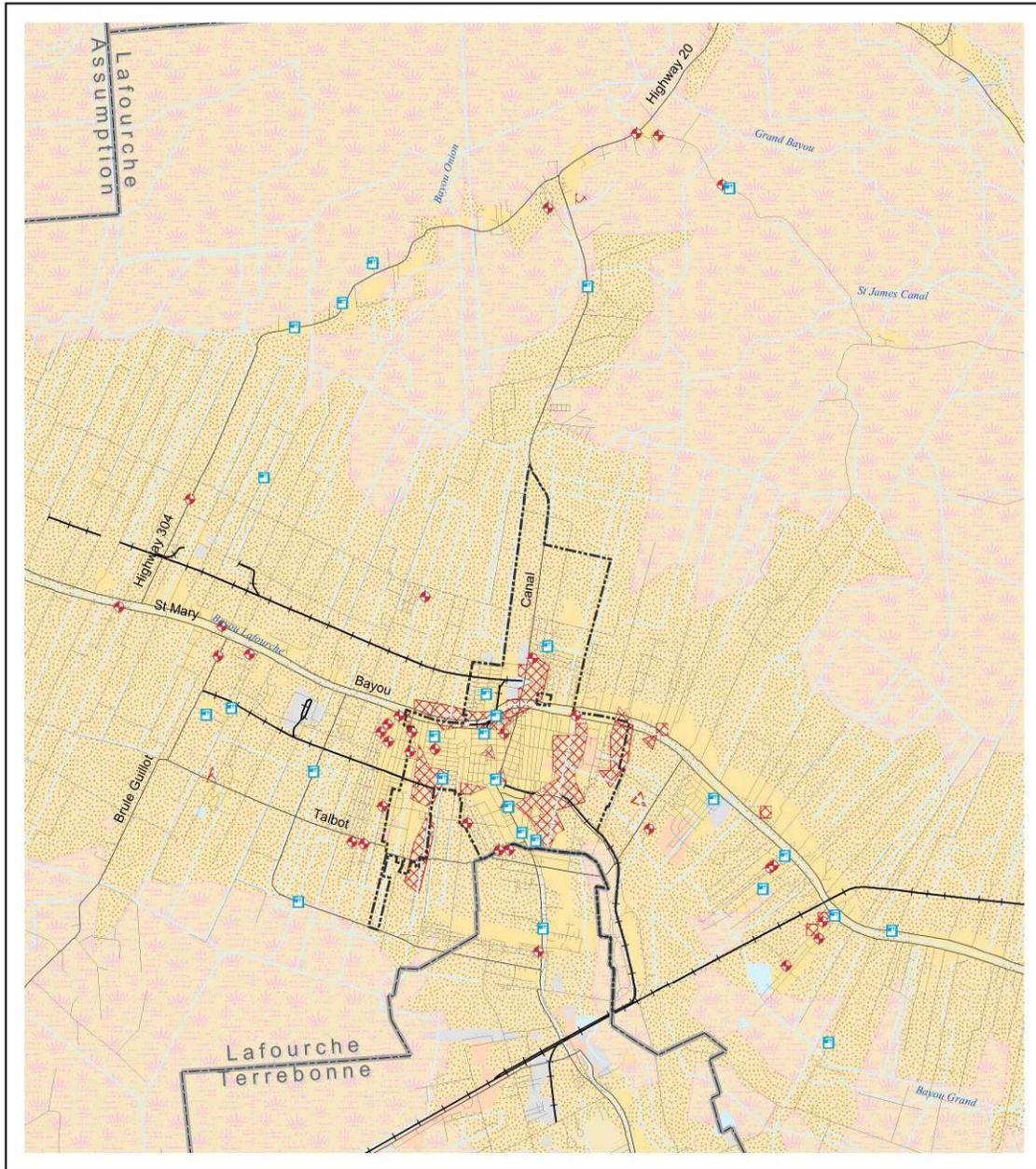
**History.** Early records show that Thibodaux was an important trading post for Lafourche country in late 1790s named after Henry Thibodeaux (1769-1827) who donated his land for community use and development. Thibodaux was incorporated in 1838. The Rienzi Plantation was built here in 1796 as a refuge for the Queen of Spain in the event the French Revolution spread to Spain.



**Auto Dealer Serving the Thibodaux Area**

**Current Conditions and Trends.** This small city had a year 2000 population of 14,431 persons, up just slightly since 1990. Businesses in Thibodaux provide a range of goods and services to the larger region.

Recreational anglers enjoy easy access to Lake Des Allemands, Lake Boeuf, and points of access south of Houma. Gulf access is distant. While there is little fishing infrastructure, a considerable population of commercial fishing families reside on the northern outskirts of town, and some are scattered throughout town. Boats are trailered or moored elsewhere. Shrimp is the primary species of harvest. As of 2003, two Gulf shrimp permit holders maintained post office boxes in Thibodaux.



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Thibodaux Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	14,035	14,431
<b>Gender Ratio M/F (Number)</b>	6,566/7,469	6,667/7,764
<b>Age (Percent of total population)</b>		
Under 18 years of age	25.7	24.6
18 to 64 years of age	60.7	61.3
65 years and over	13.6	14.1
<b>Ethnicity or Race (Number)</b>		
White	9,461	9,242
Black or African American	4,442	4,872
American Indian and Alaskan Native	31	54
Asian	81	93
Native Hawaiian and other Pacific Islander	N/A	3
Some other race	20	37
Two or more races	N/A	130
Hispanic or Latino (any race)	165	148
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	24.4	16.4
Percent high school graduate or higher	58.4	69.9
Percent with a Bachelor's degree or higher	17.1	21.4
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	13.5	10.5
And Percent who speak English less than very well	4.0	3.5
<b>Household income (Median \$)</b>	16,926	26,697
<b>Poverty Status (Percent of population with income below poverty line)</b>	33.8	25.1
<b>Percent female headed household</b>	19.5	19.4
<b>Home Ownership (Number)</b>		
Owner occupied	2,586	2,874
Renter occupied	2,359	2,626
<b>Value Owner-occupied Housing (Median \$)</b>	51,600	72,000
<b>Monthly Contract Rent (Median \$)</b>	206	396
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	53.1	58.9
Percent of civilian labor force unemployed	4.8	8.6
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	32.9
Service occupations	N/A	18.7
Sales and office occupations	N/A	27.5
Farming, fishing, and forestry occupations	1.6	0.1
Construction, extraction, and maintenance occupations	N/A	8.7
Production, transportation, and material moving occupations	N/A	12.1
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	1.0	0.6
Mining (includes the offshore oil/gas industry workforce)	3.9	2.6
Manufacturing	10.3	7.7
Percent government workers	23.4	25.8
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	19.4
Percent worked outside of county of residence	32.7	32.0

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Thibodeaux in 2003**

Factor	Quantity
<b>Commercial</b>	-
Trawls	None seen in town proper
Skimmers	None seen in town proper
Butterfly	None seen in town proper
Crabbers	None seen in town proper
Oyster	None seen in town proper
Other Commercial	None seen in town proper
<b>Recreational</b>	-
Freshwater	50-100
Saltwater	20-30
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	0
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	2
Seafood Transport	0
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Thibodeaux in 2003**

Type of Business	Frequency
Boat Dealer	2
Ship Building and Repair	1
Total	3

**Table 4. Thibodeaux Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	586,204	859,159

**Table 5. Thibodeaux License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
34	0	5,767	5,706
Total = 34		Average Number of Licenses per Household: 5,767/5,500 = 1.0	--
% Households Holding Commercial Permit or License: 34/5,500 = .6			

Please reference Table 3.12-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.



**Local Boat Dealer Serving Thibodaux and Surrounding Rural Areas**



**Aerial View of Thibodaux Area in 1995 (Photo source: wetmaap.org)**

### 3.13 Livingston Parish Community

This section describes Denham Springs, the sole study community in Livingston Parish. Livingston Parish lies just east of Baton Rouge in southeastern Louisiana. Denham Springs is part of the Greater Baton Rouge Metropolitan Area. The parish is bordered by East Baton Rouge Parish and Ascension Parish on the west, Lake Maurepas and St. John the Baptist Parish on the south, Tangipahoa Parish to the east, and St. Helena Parish to the north.

Livingston Parish had a year 2000 population of 91,814 persons, up 40.5 percent (or 21,288 residents) from 1990. The racial composition of the population was 94.3 percent Caucasian, 4.2 percent African American, 0.3 percent American Indian/Alaskan Native, and 1.1 percent Hispanic/Latino. Livingston, the parish seat, had a year 2000 population of 1,342 persons.

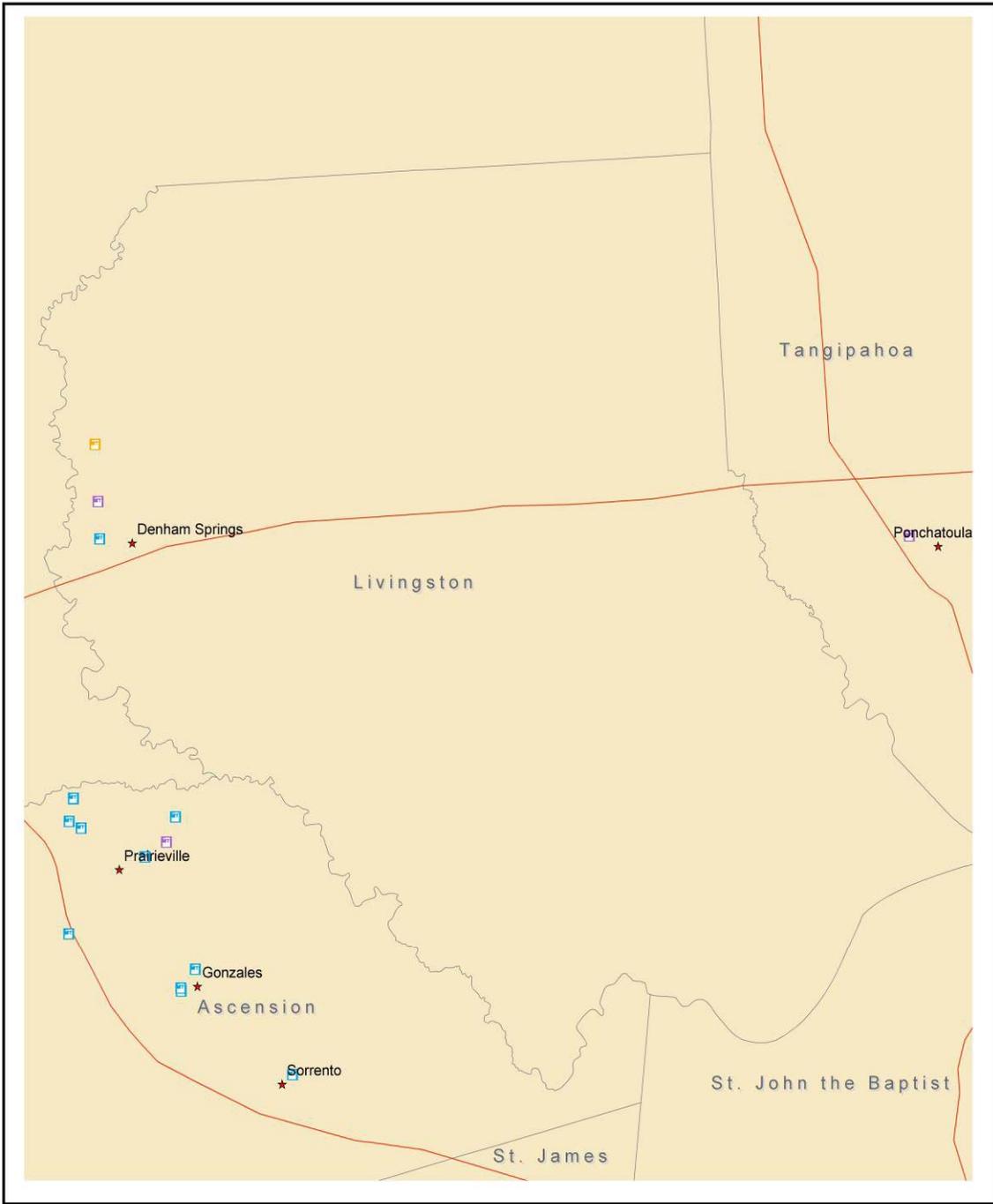
The median family income in Livingston Parish was \$44,071 in 2000, significantly higher than the state median of just over \$33,000. A little more than eleven percent of parish residents were living in conditions of poverty in 2000.

Livingston Parish was established in 1832 from the southern portion of St. Helena Parish. The Houma Indians were this area's earliest known inhabitants. French immigrants were the first permanent European settlers. Initially an agricultural community, that sector was surpassed in economic importance by the timber industry in the late nineteenth century. Following World War II, the parish and communities such as Denham Springs have become residential areas for persons working in Baton Rouge, and in various construction and industry jobs along the Mississippi River.

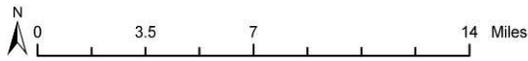
**Table 3.13-1 Year 2000 Permits and Licenses, and 2003 Gulf Shrimp Permits: Livingston Parish\***

Permit Type	Study Communities
	Denham Springs
Pelagic Charter	--
Reef Fish Charter	--
Swordfish	--
King Mackerel	--
Rock Shrimp	--
Red Snapper	--
Spiny Lobster	--
Spanish Mackerel	--
Gulf Reef Fish	--
Shark	--
South Atlantic Snapper Grouper	--
Total Permits 2000	--
Total Permit Holders 2000	--
Total State License Holders 2000	18
Gulf Shrimp Permits 2003 **	--

\* Includes all permits and licenses that can be attributed to the communities by *both* street and post office box addresses; these data are used to generate counts of permit holders for whom evidence indicates actual residence, as provided in the community descriptions. \*\* 2003 is the first year for which Gulf shrimp permit data are available.



**Livingston Parish**



- ★ Study Communities
- Seafood Processor and Dealer
- Seafood Dealer
- Seafood Processor
- Reference Cities
- Reef
- ⚓ Wreck
- ▲ Platform
- Interstate

### 3.13.1 Denham Springs (incorporated, pop. 8,757)

**Location and Overview.** Denham Springs is located along Interstate 12 in close proximity to Interstate 10. This is one of the fastest growing areas of the state. Many residents commute to jobs in the Baton Rouge area, some 12 miles southwest.

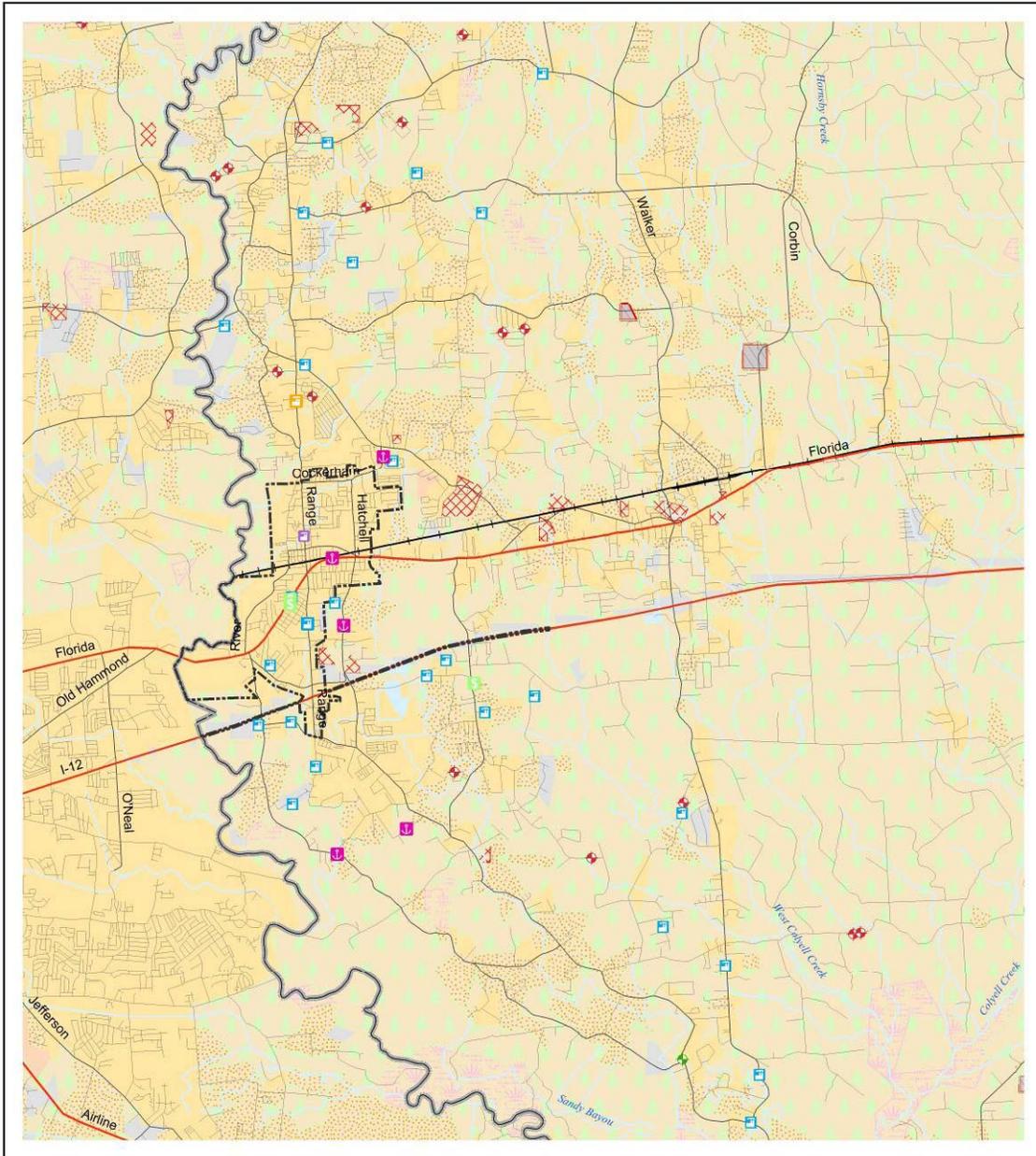
**History.** In 1827, William Denham discovered a new mineral spring near Amite and Hill's Springs, and eventually established a health resort in the area. The town was officially named Denham Springs by 1898. The Illinois Central Gulf Railroad played a central role in the early development of the town.



**Retail Area in Denham Springs**

**Current Conditions and Trends.** Denham Springs is a census-designated place with a year 2000 population of 8,757 persons, an increase of 376 persons from the 1990 census. The community is fairly diffused in geographic terms. A small fleet of captains and crew are avidly involved in commercial fishing. While there is some commercial fishing infrastructure here, most operators work from Baton Rouge and other area closer to the fishing grounds. A local seafood processor employed two persons in 1990. No processing data were available for 2000. Crawfish and shrimp were the most frequently landed species in 2000.

Recreational angling is important in the general area. Many recreational boats access Lake Maurepas through the Amite River, and various boating related improvements have developed on its banks. These include various docks, boat harbors, and camps. The Amite River, in the vicinity of Denham Springs, is navigable only by small boat.



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Denham Springs Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	8,381	8,757
<b>Gender Ratio M/F (Number)</b>	3,964/4,417	4,148/4,609
<b>Age (Percent of total population)</b>		
Under 18 years of age	30.2	26.8
18 to 64 years of age	59.6	61.7
65 years and over	10.2	11.5
<b>Ethnicity or Race (Number)</b>		
White	7,111	7,407
Black or African American	1,225	1,166
American Indian and Alaskan Native	16	22
Asian	25	59
Native Hawaiian and other Pacific Islander	N/A	7
Some other race	4	15
Two or more races	N/A	81
Hispanic or Latino (any race)	77	78
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	10.6	7.2
Percent high school graduate or higher	70.5	81.6
Percent with a Bachelor's degree or higher	11.7	15.2
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	2.6	6.3
Percent who speak English less than very well	0.5	1.3
<b>Household income (Median \$)</b>	25,087	41,296
<b>Poverty Status (Percent of population with income below poverty line)</b>	14.7	10.7
<b>Percent female headed household</b>	13.1	14.3
<b>Home Ownership (Number)</b>		
Owner occupied	2,010	2,382
Renter occupied	933	926
<b>Value Owner-occupied Housing (Median \$)</b>	53,500	85,800
<b>Monthly Contract Rent (Median \$)</b>	255	505
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	63.8	63.6
Percent of civilian labor force unemployed	8.4	5.2
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	28.3
Service occupations	N/A	16.1
Sales and office occupations	N/A	31.9
Farming, fishing, and forestry occupations	1.5	0
Construction, extraction, and maintenance occupations	N/A	11.9
Production, transportation, and material moving occupations	N/A	11.8
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	1.8	0.3
Mining (includes the offshore oil/gas industry workforce)	1.0	0.4
Manufacturing	13.5	9.9
Percent government workers	14.9	11.8
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	24.6
Percent worked outside of county of residence	65.5	65.6

\*\* Differences in the types of data the US Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Denham Springs in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	0
Skimmers	0
Butterfly	0
Crabbers	0
Oyster	0
Other Commercial	0
<b>Recreational Boats</b>	-
Freshwater	40-50
Saltwater	5-10
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	3
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	0
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Denham Springs in 2003**

Type of Business	Frequency
Boat Builder/Broker	4
Marina	5
Processor; Seafood Retailer	1
Seafood Retailer	1
Total	11

**Table 4. Denham Springs Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	86,390	147,679

**Table 5. Denham Springs License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
16	--	1,562	235
Total = 16		Average Number of Licenses per Household: 1,562/3,308 = .5	--
% Households Holding Commercial Permit or License: 16/3,308 = .5			

Please reference Table 3.13-1 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.14 Orleans Parish Communities

This section describes the Orleans Parish “community” of New Orleans. Given the size and multi-faceted economy of urban New Orleans, we have partitioned the description to correspond with the main census districts of relevance to the project; that is, the area in which fishing and related industry are demonstrably significant. These are as follow: West End (North and South), Venetian Isles and Lake Catherine, Little Woods, South Shore, and Irish Bayou.

Orleans Parish is the smallest parish in the state in terms of land size, but the largest in terms of population. Its year 2000 population was 484,674 persons. The parish is bordered by Lake Pontchartrain to the north, Lake Borgne to the east, Jefferson Parish to the south and west, and St. Bernard Parish to the south.

Tourism and related services are central to the economies of New Orleans and Orleans Parish. Nearly 38 percent of parish earnings derive from the service sector, and tourism-related expenditures exceeded \$3.7 billion (Louisiana State University 2003:29-32). Freight handling and support services for offshore oil industry activities are also economically important to the parish and region.

The Port of New Orleans was strategically important as early as 1718, when the French were the dominant political force in the region. The Louisiana Purchase was signed in New Orleans in 1803, and Orleans was established as a distinct part of the Territory of Orleans a few years later (Calhoun 1935). French and Spanish influences are readily observable in the city, and there are more than 35,000 buildings listed on the National Register of Historic Places in New Orleans--more than any other city in the nation.

The Port of New Orleans is one of the largest deepwater ports in the United States. The port has 22 miles of river coverage for cargo handling area, and more than six million square feet of covered storage area. It is a leader in steel, natural rubber, plywood, and coffee imports. Six rail lines serve the port, as well as 50 ocean carriers, 16 barge lines, and 75 truck lines. Port authorities estimate that 6,000 ocean vessels move through the port annually.

The seafood industry is important to Orleans Parish and to New Orleans specifically. There are scores of seafood wholesalers in New Orleans, and the city is a point of distribution to and from markets elsewhere. Hundreds of seafood retailers and restaurants serve visitors and residents alike. While there were 19 federally-licensed seafood processors active in Orleans Parish in 2000, no secondary source employment, production, or value data were available to describe the nature of those operations.

The year 2000 census reported the composition of Orleans Parish as 67 percent African American, 28 percent Caucasian, three percent Hispanic, and two percent Asian. The composition of the parish population has shifted dramatically throughout the twentieth century. The Caucasian component was 74 percent of the total in 1920, 63 percent in 1950, 55 percent in 1970, 42 percent in 1980, and 35 percent in 1990.

Median family income in Orleans Parish in 2000 was \$27,133. This figure is 83 percent of the state median. Median family income has declined steadily, relative to state median, in recent decades. The 2000 census enumerated 28 percent of parish households in poverty, and 40 percent of families with children headed by single women.

**Table 3.14-1 Earnings in Orleans Parish, 1990-2000**

Industry	Earnings (Constant 2000 \$1000s)		Percent Share of 2000 Earnings	\$ Change 1990-2000
	1990	2000		
<b>Earnings</b>	11,641,220	12,159,302	100	518,082
<b>Farm earnings</b>	0	0	0.0	0
<b>Ag. services, frstry, fish.</b>	33,220	44,983	0.4	11,763
Fishing	5,054	NA	NA	NA
<b>Mining</b>	888,536	769,350	6.3	-119,186
Oil and gas extraction	878,330	718,844	5.9	-159,486
<b>Construction</b>	300,787	334,240	2.7	33,453
Special trade contractors	158,659	194,329	1.6	35,670
<b>Manufacturing</b>	849,471	627,249	5.2	-222,222
Fabricated metal products	45,991	37,083	0.3	-8,908
Industrial mach. & equip.	18,903	16,136	0.1	-2,767
Food and kindred	125,107	102,757	0.8	-22,350
Chemicals and allied	153,700	50,717	0.4	-102,983
Petroleum and coal	8,246	9,647	0.1	1,401
<b>Trans., public utilities</b>	1,184,199	996,700	8.2	-187,499
Trucking, warehousing	150,933	114,320	0.9	-36,613
Water transportation	356,789	237,675	2.0	-119,114
Transportation by air	40,931	45,014	0.4	4,083
<b>Wholesale trade</b>	618,240	514,879	4.2	-103,361
<b>Retail trade</b>	875,529	895,843	7.4	20,314
Eating and drinking places	270,618	361,830	3.0	91,212
<b>Fin., ins., real estate</b>	827,850	828,466	6.8	616
<b>Services</b>	3,757,617	4,577,512	37.6	819,895
Business services	441,867	584,029	4.8	142,161
Health services	1,076,580	1,125,772	9.3	49,192
Legal services	735,838	804,788	6.6	68,950
Engineer. & mngmt. serv.	352,618	331,920	2.7	-20,697
<b>Government</b>	2,305,771	2,570,079	21.1	264,308

Source: Bureau of Economic Analysis, Regional Economic Information System

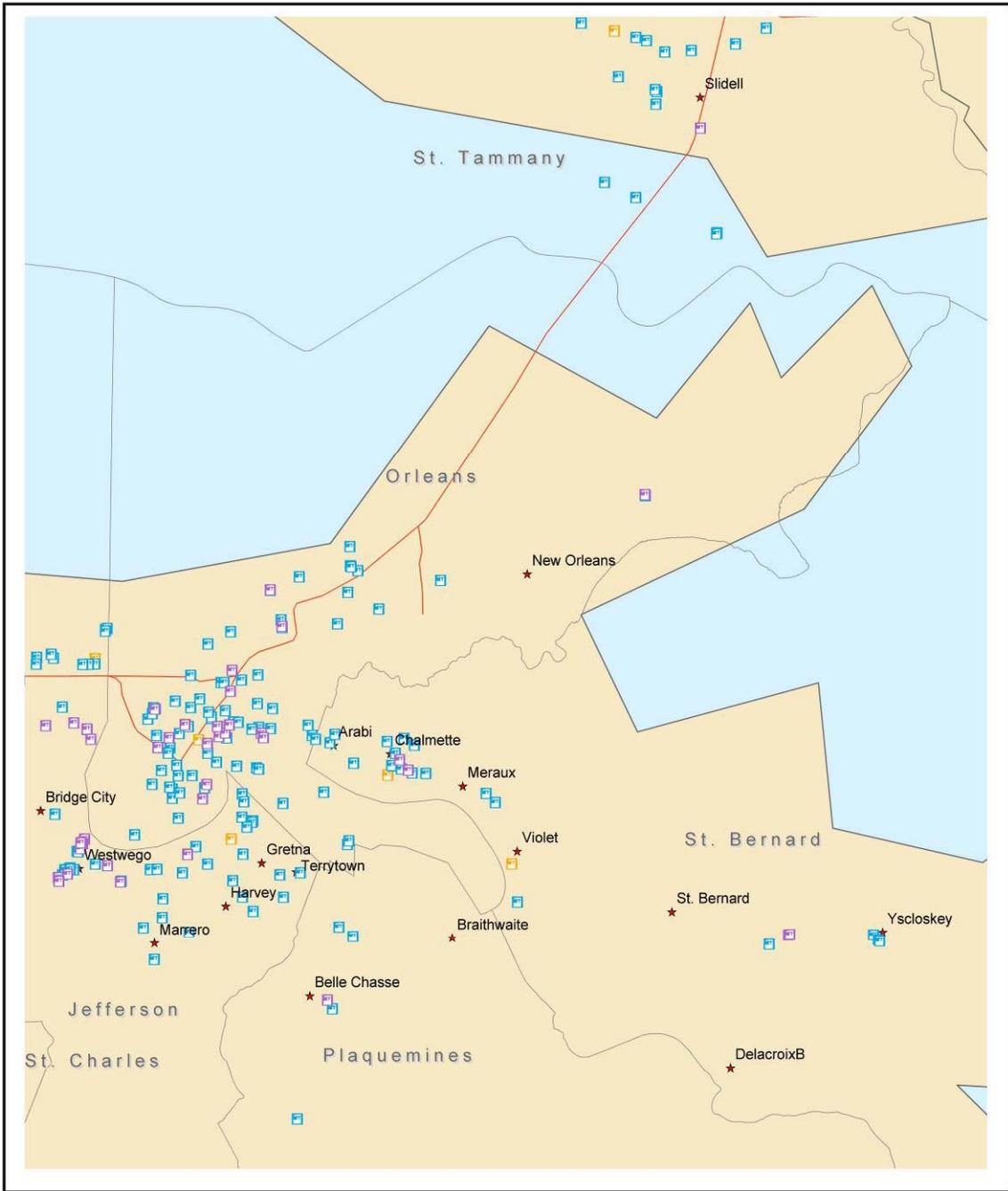
**Table 3.14-2 Year 2000 Permits and Licenses, and 2003 Gulf Shrimp Permits: Orleans Parish, Louisiana \***

Permit Type	Study Communities
	New Orleans
Pelagic Charter	7
Reef Fish Charter	7
Swordfish	33
King Mackerel	12
Rock Shrimp	--
Red Snapper	6
Spiny Lobster	--
Spanish Mackerel	12
Gulf Reef Fish	9
Shark	36
South Atlantic Snapper Grouper	1
Total Permits 2000	105
Total Permit Holders 2000	50
Total State License Holders 2000	239
Gulf Shrimp Permits 2003 **	22

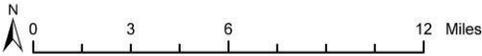
\* Includes all permits that can be attributed to the communities by *both* street and P.O. Box addresses; these data are subsequently refined to provide counts of permit holders for whom evidence suggests actual residence in the community in 2000. \*\* 2003 is the first year for which shrimp permit data are available.



**Street Scene in the French Quarter of New Orleans, Spring 2003**



Orleans Parish



- ★ Study Communities
- Seafood Processor and Dealer
- Seafood Dealer
- Seafood Processor
- Reference Cities
- Reef
- ⚓ Wreck
- ▲ Platform
- Interstate

### 3.14.1 New Orleans (incorporated, pop. 484,674)

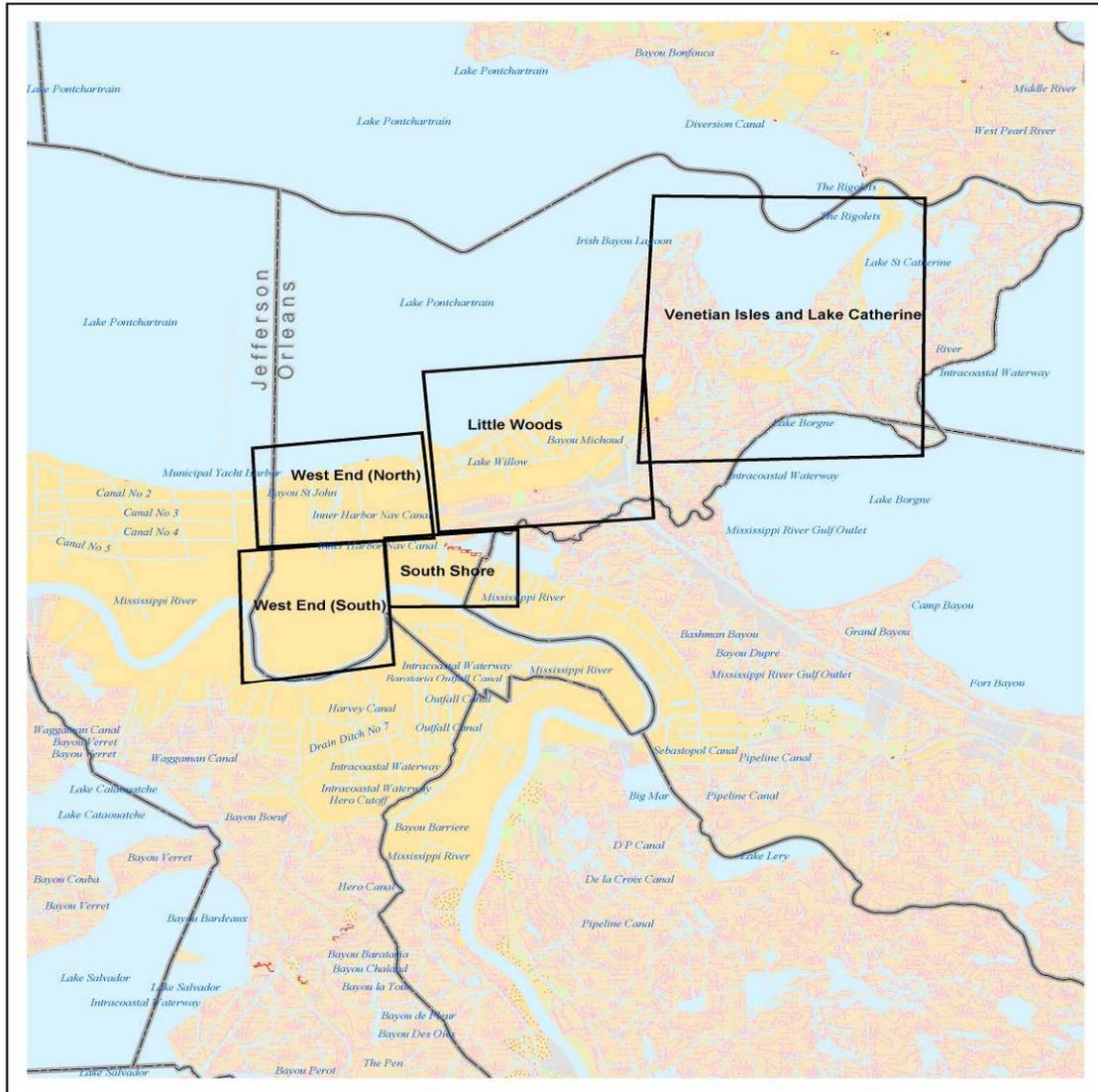
**Location and Overview.** Located on the banks of the Mississippi River, New Orleans is southeast of Baton Rouge on Interstate 10. It is Louisiana's largest and most populated city. Both the city and parish share the same boundaries. The boundaries of several other parishes overlap with New Orleans' greater metropolitan area: St. Tammany, Jefferson, St. Bernard, and Plaquemines. Most of New Orleans is located on the East bank of the Mississippi River, but a small portion, Algiers, is located on this river's West bank. Lake Pontchartrain, to the north, is used primarily for sailing and crabbing, while marsh areas form the city's southernmost perimeter.

With over 20,000 hotel rooms and more than 1,000 restaurants, New Orleans is an important U.S. tourist destination. Tourist attractions and events are numerous. Tulane and Loyola Universities attract scholars from around the United States.

Numerous commercial fleets operate from a variety of New Orleans harbors, and the city and surrounding communities are important centers of distribution and consumption of seafood. The shrimp fleet harvests large quantities, and the harvest of offshore species, especially tuna, is important. Resident federal permittees held four red snapper, seven pelagic charter, seven reef fish charter/head boat, ten king mackerel, five Spanish mackerel, six reef fish, 26 swordfish, and 24 shark permits in 2000.

**History.** New Orleans' cultural heritage can be traced back to France, Spain, and early American influences. Initially founded in 1718 by the French, New Orleans became a Spanish colony, in 1753, with the signing of the Treaty of Paris. Although Spain returned Louisiana to France in 1800, the Americas purchased Louisiana from Napoleon in 1803. During the Civil War, Federal soldiers, under the command of Admiral David Farragut, captured New Orleans with virtually no resistance, and, thus, early buildings remain intact.

**Current Conditions and Trends.** The City of New Orleans had a year 2000 population of 484,674 persons, a decline of 12,264 persons from 1990. This decline continues a 30 year trend of attrition. There are six prospective fishing-involved *sub*-communities in the New Orleans Metropolitan Area, as depicted in the map below. These are: West End, Venetian Isles, Little Woods, Lake Catherine, South Shore, and Irish Bayou. Each offers varying degrees of support services for fishing, including various seafood dealers, bait shops, marine supplies, boat launches, ice houses, and commercial and recreational boat/engine repair and sales facilities. As of 2003, there were 22 Gulf shrimp permit holders residing or maintaining postal addresses in New Orleans.



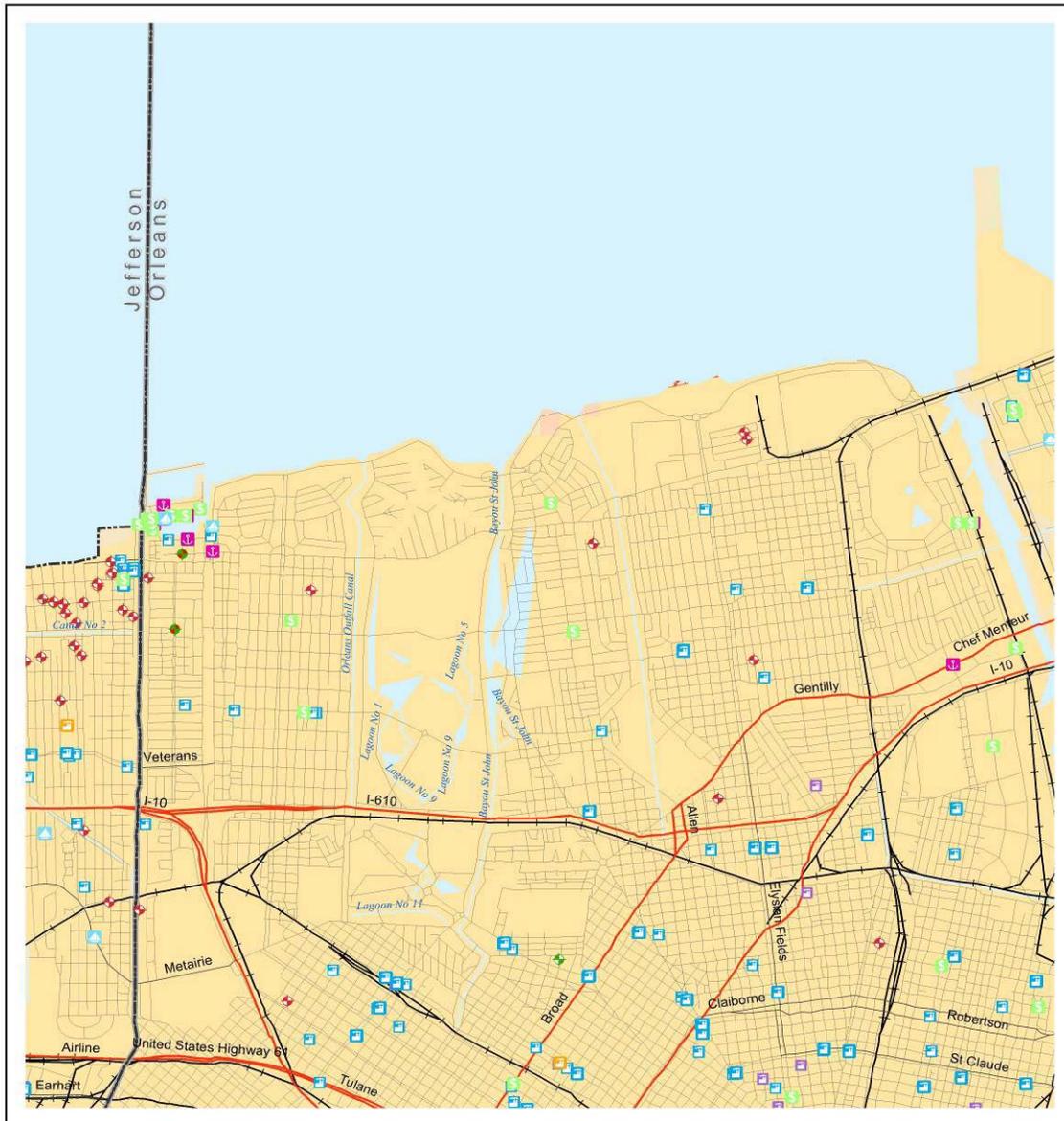
Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**West End.** West End is a waterfront community, located in both Jefferson and Orleans Parishes, just north of Highway 10. The New Orleans Southern Yacht Club, founded in 1849, is central to the area, both spatially and socially. Hundreds of sailboats and small yachts dock at the Yacht Club's large marina, and there are several nearby boat sale and repair shops that cater to recreational fishermen. Docked amidst the yachts and sailboats, however, are approximately twelve to fifteen shrimp boats with trawls and crab traps. Few shrimpers dock here because the space allotted to commercial vessels diminishes each year. Conversely, yacht club members receive increasing docking priorities each year. Consequently, these shrimp boats now dock "stern first" to save space. Local fishery participants allege that the yacht club allows this handful of shrimpers to remain because they provide "local color" for the tourists, eating at the upscale seafood restaurants overlooking Lake Pontchartrain. Local recreational informants admit having pushed the shrimpers out of the area because of increasing competition for scarce dock space. Some also argue that recreational fishing accrues more revenue than the commercial fleet, and that, while shrimpers can dock anywhere, this marina is the only suitable area for recreational boats. However, one of the remaining shrimpers, who describes himself as "one of the lucky ones," rejects the recreationalists' characterization of commercial fishermen as an economic liability. Without commercial fishermen, he asserts, local seafood restaurants would lack seafood.

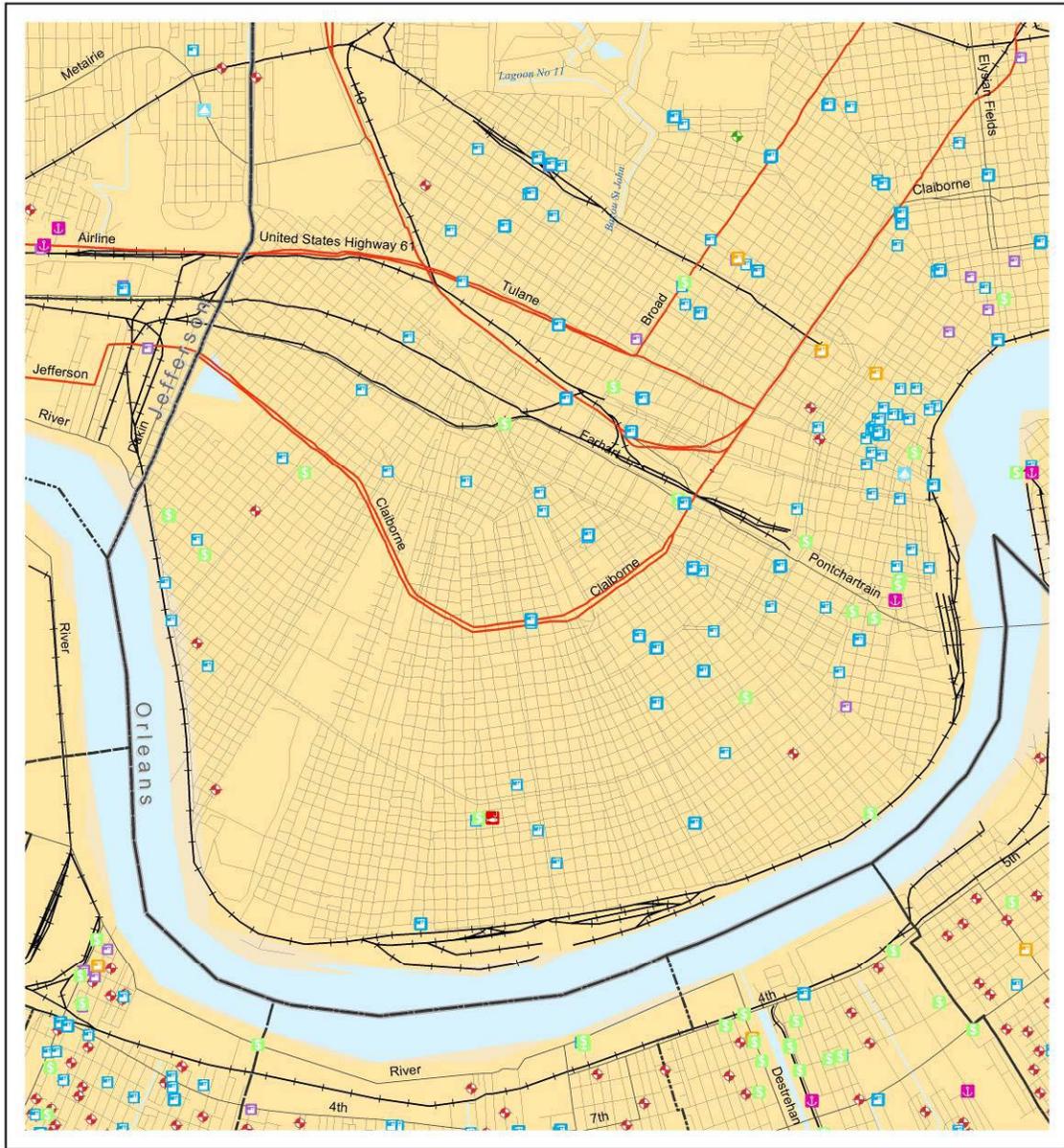


**West End Marina in New Orleans**

The yacht club is surrounded by several high-rise apartment complexes and a line of house boats with access to the Lake. Because waterfront property is prime real estate, it is likely that most commercial shrimpers who dock at West End actually live elsewhere.



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.



**Typical West End Trawler**

***Venetian Isles.*** Located in the eastern-most portion of the Bayou Sauvage National Wildlife Refuge, on the eastern outskirts of New Orleans, Venetian Isles is a waterfront housing development. Behind each house is a large boat slip, where recreational and offshore shrimp vessels occupy available dock space. The majority of residents are Vietnamese Americans. Several large shopping centers cater to Vietnamese-speaking clientele; signs and labels are in Vietnamese, often with no translation. Most local boat repair/sales shops are Vietnamese American owned and operated. Some local fishery participants suggest there is some tension between the primarily-Caucasian recreational fishermen and the commercial fishermen of Vietnamese ancestry.



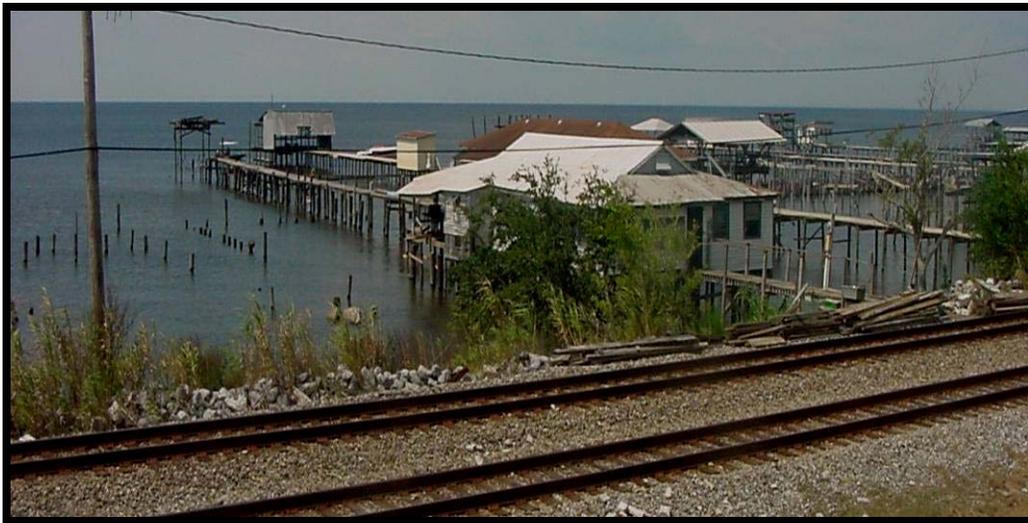
**Venetian Isles Marine Supplies**





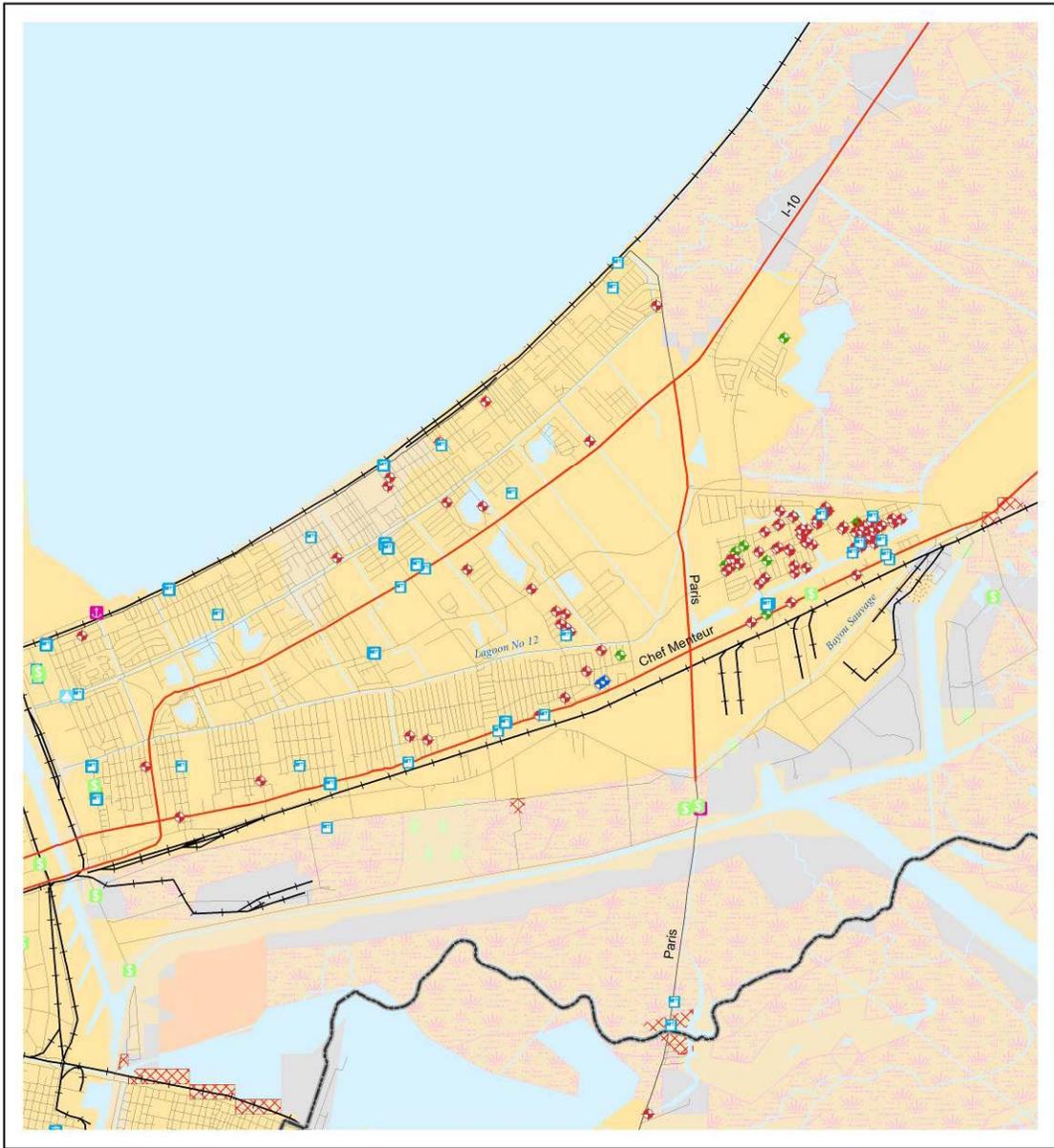
**Docks at Venetian Isles**

*Little Woods.* Located on the southern shore of Lake Pontchartrain, in east Orleans Parish, 30 to 40 lakefront camps comprise Little Woods. All camps have wooden walkways that connect to the Lake, where campers dock their boats, fish, and crab. These camps primarily belong to recreational fishermen, but commercial crabbers occupy a few. One commercial crabber indicated that he once docked at West End, but moved to Little Woods when West End began gentrifying.



**Camps at Little Woods**

Some local seafood wholesalers complain that profits have decreased in recent years due to increasing regulations, imports and associated low prices, and “too many environmentalists.” The businesses reportedly continue because the restaurants depend on commercial fishing and tourists expect fresh fish.



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Lake Catherine.** Developed in the Fort Pike Historic and Fort Macomb areas, Lake Catherine is a seasonally-visited area in the easternmost extreme of Orleans Parish. This waterfront community is composed of disheveled weekend camps built on pilings, with shrimp and recreational vessels docked adjacent. Locals describe the area as more of a place to relax than to fish commercially. There are several bait shops and two small marinas here.

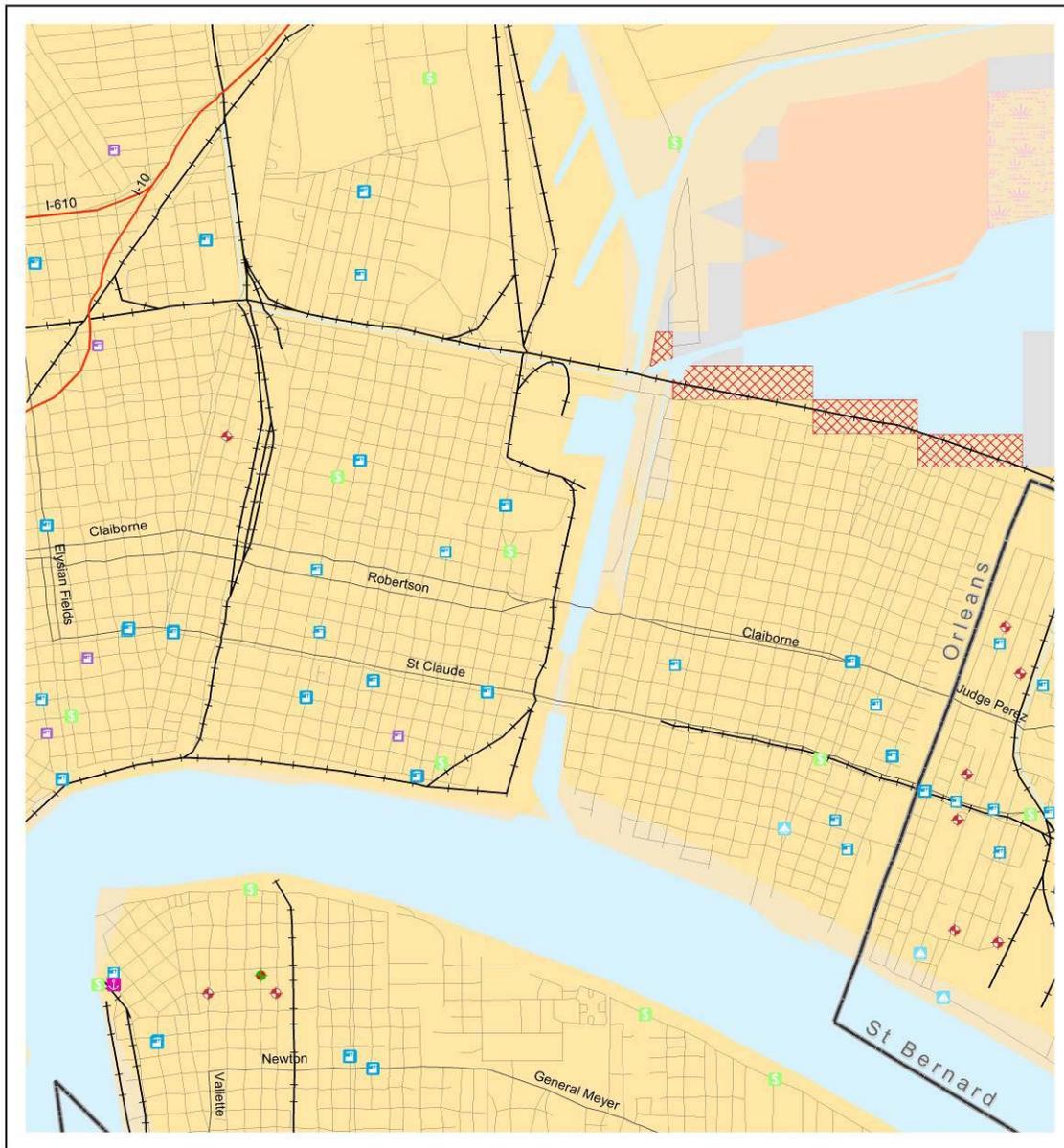


**Skimmer-rigged Vessels (with one butterfly rig) at Lake Catherine**

**South Shore.** South Shore is a non-residential area along the south shore of Lake Pontchartrain, between Little Woods and West End, near Bally's Casino and the New Orleans Lake Front Airport. A new large marina with hundreds of sailboats, small yachts, and large recreational vessels is located here. Like West End, the Southern Yacht Club is central here, and is, primarily, an upscale recreational fishing area with few remaining commercial participants.



**South Shore Marina**



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

***Irish Bayou.*** Irish Bayou consists of a linearly-distributed group of seasonally-visited camps along Highway 11. An inlet canal provides a mooring area for persons residing (during part of the year) in the canal-side homes. A large service station/casino doubles as a supply/ice house and bait shop. The area is subject to extreme flooding. Most residents are weekend family campers. Locals assert that most commercial participants are typically part-timers, who focus on crab and oysters.



**Crab Pots at Irish Bayou**



**Irish Bayou During Hurricane Dennis Landfall, 2005**  
(Photo source: <http://shumacher.textamerica.com>)

**Table 1. New Orleans Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	496,938	484,674
<b>Gender Ratio M/F (Number)</b>	230,883/266,055	227,094/257,580
<b>Age (Percent of total population)</b>		
Under 18 years of age	27.4	26.7
18 to 64 years of age	59.6	61.6
65 years and over	13.0	11.7
<b>Ethnicity or Race (Number)</b>		
White	173,554	135,956
Black or African American	307,728	325,947
American Indian and Alaskan Native	759	991
Asian	9,678	10,972
Native Hawaiian and other Pacific Islander	N/A	109
Some other race	5,219	4,498
Two or more races	N/A	6,201
Hispanic or Latino (any race)	17,238	14,826
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	13.2	8.0
Percent high school graduate or higher	68.1	74.7
Percent with a Bachelor's degree or higher	22.4	25.8
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	7.8	8.3
And Percent who speak English less than very well	3.2	3.1
<b>Household income (Median \$)</b>	18,477	27,133
<b>Poverty Status (Percent of population with income below poverty line)</b>	31.6	27.9
<b>Percent female headed household</b>	24.0	24.5
<b>Home Ownership (Number)</b>		
Owner occupied	82,279	87,589
Renter occupied	105,956	100,662
<b>Value Owner-occupied Housing (Median \$)</b>	69,600	87,300
<b>Monthly Contract Rent (Median \$)</b>	277	488
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	56.7	57.8
Percent of civilian labor force unemployed	12.6	9.5
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	34.7
Service occupations	N/A	22.1
Sales and office occupations	N/A	25.8
Farming, fishing, and forestry occupations	1.0	0.2
Construction, extraction, and maintenance occupations	N/A	6.8
Production, transportation, and material moving occupations	N/A	10.4
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	0.8	0.2
Mining (includes the offshore oil/gas industry workforce)	1.6	0.8
Manufacturing	6.8	5.2
Percent government workers	20.5	20.4
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	25.7
Percent worked outside of county of residence	17.9	20.9

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 1a. West End Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	2,832	3,012
<b>Gender Ratio M/F (Number)</b>	1,322/1,510	1,405/1,607
<b>Age (Percent of total population)</b>		
Under 18 years of age	12.8	14.3
18 to 64 years of age	66.6	66.2
65 years and over	20.6	19.5
<b>Ethnicity or Race (Number)</b>		
White	2,781	2,866
Black or African American	13	37
American Indian and Alaskan Native	1	5
Asian	21	43
Some other race	16	26
Two or more races	N/A	35
Hispanic or Latino (any race)	124	154
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	8.5	4.0
Percent high school graduate or higher	79.3	88.5
Percent with a Bachelor's degree or higher	32.5	44.4
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	5.3	9.3
Percent who speak English less than very well	1.0	1.8
<b>Household income (Median \$)</b>	34,475	46,646
<b>Poverty Status (Percent of population with income below poverty line)</b>	6.2	8.4
<b>Percent female headed household</b>	7.6	9.3
<b>Home Ownership (Number)</b>		
Owner occupied	778	950
Renter occupied	717	700
<b>Value Owner-occupied Housing (Median \$)</b>	94,400	154,150
<b>Monthly Contract Rent (Median \$)</b>	448	591
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	63.1	65.3
Percent of civilian labor force unemployed	3.7	2.1
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	55.1
Service occupations	N/A	9.9
Sales and office occupations	N/A	22.4
Farming, fishing, and forestry occupations	1.4	0.3
Construction, extraction, and maintenance occupations	N/A	7.8
Production, transportation, and material moving occupations	N/A	4.2
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	0.8	0.3
Mining (includes the offshore oil/gas industry workforce)	0.7	0.0
Manufacturing	10.1	5.5
Percent government workers	15.5	12.5
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Percent in carpools	9.5	7.5
Percent using public transportation	8.1	0.4
Percent worked outside of county of residence	31.4	37.4

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 1b. Venetian Isles Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,655	1,760
<b>Gender Ratio M/F (Number)</b>	903/752	917/843
<b>Age (Percent of total population)</b>		
Under 18 years of age	16.7	13.5
18 to 64 years of age	66.4	67.3
65 years and over	16.9	19.2
<b>Ethnicity or Race (Number)</b>		
White	1,643	1,676
Black or African American	0	36
American Indian and Alaskan Native	5	0
Asian	5	38
Some other race	2	3
Two or more races	N/A	7
Hispanic or Latino (any race)	26	18
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	10.7	11.3
Percent high school graduate or higher	72.7	73.4
Percent with a Bachelor's degree or higher	19.8	13.4
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	2.2	3.5
Percent who speak English less than very well	0	0.7
<b>Household income (Median \$)</b>	20,908	37,328
<b>Poverty Status (Percent of population with income below poverty line)</b>	15.5	10.7
<b>Percent female headed household</b>	4.0	5.5
<b>Home Ownership (Number)</b>		
Owner occupied	607	711
Renter occupied	83	77
<b>Value Owner-occupied Housing (Median \$)</b>	69,500	106,700
<b>Monthly Contract Rent (Median \$)</b>	300	250
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	68.5	51.9
Percent of civilian labor force unemployed	15.7	1.3
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	25.1
Service occupations	N/A	18.2
Sales and office occupations	N/A	29.1
Farming, fishing, and forestry occupations	6.6	3.6
Construction, extraction, and maintenance occupations	N/A	10.6
Production, transportation, and material moving occupations	N/A	13.0
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	2.4	3.6
Manufacturing	9.4	5.2
Percent government workers	12.0	20.1
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Percent in carpools	22.7	17.6
Percent using public transportation	0	0
Mean travel time to work (minutes)	N/A	N/A
Percent worked outside of county of residence	32.9	29.5

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 1c. Little Woods Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	8,395	9,448
<b>Gender Ratio M/F (Number)</b>	3,917/4,478	4,342/5,106
<b>Age (Percent of total population)</b>		
Under 18 years of age	36.9	34.7
18 to 64 years of age	58.8	61.1
65 years and over	4.3	4.2
<b>Ethnicity or Race (Number)</b>		
White	1,214	348
Black or African American	7,034	8,804
American Indian and Alaskan Native	13	8
Asian	82	122
Some other race	52	74
Two or more races	N/A	92
Hispanic or Latino (any race)	183	208
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	7.9	4.3
Percent high school graduate or higher	81.7	81.5
Percent with a Bachelor's degree or higher	24.8	22.6
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	7.0	6.8
Percent who speak English less than very well	1.6	2.5
<b>Household income (Median \$)</b>	28,344	36,450
<b>Poverty Status (Percent of population with income below poverty line)</b>	16.9	23.7
<b>Percent female headed household</b>	21.0	30.6
<b>Home Ownership (Number)</b>		
Owner occupied	1,706	1,749
Renter occupied	997	1,258
<b>Value Owner-occupied Housing (Median \$)</b>	72,700	85,500
<b>Monthly Contract Rent (Median \$)</b>	330	448
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	68.5	65.6
Percent of civilian labor force unemployed	15.7	9.5
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	30.4
Service occupations	N/A	17.3
Sales and office occupations	N/A	30.5
Farming, fishing, and forestry occupations	0.9	0.2
Construction, extraction, and maintenance occupations	N/A	7.3
Production, transportation, and material moving occupations	N/A	14.0
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	0.3	0.0
Mining (includes the offshore oil/gas industry workforce)	2.4	0.7
Manufacturing	10.9	4.6
Percent government workers	44.6	30.4
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Percent in carpools	14.9	22.0
Percent using public transportation	10.0	6.7
Percent worked outside of county of residence	14.3	18.2

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 1d. Lake Catherine Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,655	1,760
<b>Gender Ratio M/F (Number)</b>	903/752	917/843
<b>Age (Percent of total population)</b>		
Under 18 years of age	16.7	13.5
18 to 64 years of age	66.4	67.3
65 years and over	16.9	19.2
<b>Ethnicity or Race (Number)</b>		
White	1,643	1,676
Black or African American	0	36
American Indian and Alaskan Native	5	0
Asian	5	38
Some other race	2	3
Two or more races	N/A	7
Hispanic or Latino (any race)	26	18
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	10.7	11.3
Percent high school graduate or higher	72.7	73.4
Percent with a Bachelor's degree or higher	19.8	13.4
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	2.2	3.5
Percent who speak English less than very well	0	0.7
<b>Household income (Median \$)</b>	20,908	37,328
<b>Poverty Status (Percent of population with income below poverty line)</b>	15.5	10.7
<b>Percent female headed household</b>	4.0	5.5
<b>Home Ownership (Number)</b>		
Owner occupied	607	711
Renter occupied	83	77
<b>Value Owner-occupied Housing (Median \$)</b>	69,500	106,700
<b>Monthly Contract Rent (Median \$)</b>	300	250
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	68.5	51.9
Percent of civilian labor force unemployed	15.7	1.3
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	25.1
Service occupations	N/A	18.2
Sales and office occupations	N/A	29.1
Farming, fishing, and forestry occupations	6.6	3.6
Construction, extraction, and maintenance occupations	N/A	10.6
Production, transportation, and material moving occupations	N/A	13.0
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	9.0	3.6
Mining (includes the offshore oil/gas industry workforce)	4.2	0.0
Manufacturing	9.4	5.2
Percent government workers	12.0	20.1
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	N/A
Percent worked outside of county of residence	32.9	29.5

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 1e. South Shore Demographics**

The area is not a census-designated unit and permanent residential areas were not identified through fieldwork.

**Table 1f. Irish Bayou Demographics**

The area is not a census-designated unit and permanent residential areas were not identified through fieldwork.

**Table 2a. Fishing Infrastructure and Services Observed at West End in 2003**

<b>Factor</b>	<b>Quantity</b>
<b>Boats with Commercial Gear</b>	-
Trawls	5-10
Skimmers	0
Butterfly	0
Crabbers	10-15
Oyster	None
Other Commercial	Several Small oil field vessels
<b>Recreational Boats</b>	-
Freshwater	Over 100
Saltwater	30-50
<b>Infrastructure and Services</b>	-
Marinas	1
Seafood Docks/Dealers	3
Commercial Ship/Boat Repair	1
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	1
Seafood Transport	1
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 2b. Fishing Infrastructure and Services Observed at Venetian Isles in 2003**

<b>Factor</b>	<b>Quantity</b>
<b>Boats with Commercial Gear</b>	-
Trawls	Over 100
Skimmers	50-100
Butterfly	10-15
Crabbers	50-60
Oyster	0
Other Commercial	0
<b>Recreational Boats</b>	-
Freshwater	50-60
Saltwater	75-100
<b>Infrastructure and Services</b>	-
Marinas	2
Seafood Docks/Dealers	5
Commercial Ship/Boat Repair	8-10
Commercial Ship/Boat Builders	3-5
Net Makers/Dealers	2
Commercial Marine Supply	20-30
Seafood Transport	1
Fishing Pier	0

**Table 2c. Fishing Infrastructure and Services Observed at Little Woods in 2003**

<b>Factor</b>	<b>Quantity</b>
<b>Boats with Commercial Gear</b>	-
Trawls	5-10
Skimmers	5-10
Butterfly	Less than 5
Crabbers	10-15
Oyster	0
Other Commercial	0
<b>Recreational Boats</b>	-
Freshwater	0
Saltwater	20-30
<b>Fishing Infrastructure and Services</b>	1
Marinas	1
Seafood Docks/Dealers	1
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	1
Net Makers/Dealers	1
Commercial Marine Supply	1
Seafood Transport	0
Fishing Pier	1

**Table 2d. Fishing Infrastructure and Services Observed at Lake Catherine in 2003**

<b>Factor</b>	<b>Quantity</b>
<b>Boats with Commercial Gear</b>	-
Trawls	20-30
Skimmers	30-50
Butterfly	Less than 5
Crabbers	30-40
Oyster	8-10
Other Commercial	0
<b>Recreational Boats</b>	-
Freshwater	5-10
Saltwater	50-60
<b>Fishing Infrastructure and Services</b>	-
Marinas	2
Seafood Docks/Dealers	3
Commercial Ship/Boat Repair	1
Commercial Ship/Boat Builders	0
Net Makers/Dealers	1
Commercial Marine Supply	1
Seafood Transport	1
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 2e. Fishing Infrastructure and Services Observed at South Shore in 2003**

<b>Factor</b>	<b>Quantity</b>
<b>Boats with Commercial Gear</b>	-
Trawls	2
Skimmers	2
Butterfly	0
Crabbers	10-15
Oyster	0
Other Commercial	0
<b>Recreational Boats</b>	-
Freshwater	Over 100
Saltwater	Over 100
<b>Fishing Infrastructure and Services</b>	-
Marinas	1
Seafood Docks/Dealers	1
Commercial Ship/Boat Repair	1
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	1
Seafood Transport	1
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 2f. Fishing Infrastructure and Services Observed at Irish Bayou in 2003**

<b>Factor</b>	<b>Quantity</b>
<b>Boats with Commercial Gear</b>	-
Trawls	5-10
Skimmers	5-10
Butterfly	Less than 5
Crabbers	15-20
Oyster	4-5
Other Commercial	0
<b>Recreational Boats</b>	-
Freshwater	10-15
Saltwater	10-15
<b>Infrastructure and Services</b>	-
Marinas	1
Seafood Docks/Dealers	1
Commercial Ship/Boat Repair	1
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	0
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for New Orleans in 2003**

<b>Type of Business</b>	<b>Frequency</b>
Boat Builder/Broker	52
Boat Builder/Broker; Boat Rentals & Pier	1
Boat Builder/Broker; Diving & Fishing Equipment	1
Boat Builder/Broker; Marina	7
Boat Rentals & Pier	4
Marina	9
Processor	7
Processor; Seafood Dealer (Wholesaler)	4
Seafood Retailer	59
Seafood Dealer (Wholesaler)/ Retailer	1
Seafood Dealer (Wholesaler)	11
Total	156

**Table 4. New Orleans Commercial Landings and Value Summary: 2000** (based on all address fields)

<b>Species</b>	<b>Pounds Reported</b>	<b>Ex-Vessel Value (\$)</b>
Total Combined	11,441,768	21,972,988

**Table 5. New Orleans Study Areas License/Permit Summary: 2000**

<b>Commercial</b> (based on physical address data only)		<b>Recreational</b> (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
175	48	16,719	11,767
Total = 223			
% Households Holding Commercial Permit or License: 223/188,251 = .12		Average Number of Licenses per Household: 16,719/188,251 = .08	--

Please reference Table 3.14-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.



**Resident Preparing Crawfish in Rural Louisiana Community, Spring 2003**

### 3.15 Plaquemines Parish Communities

This sub-section describes the study communities of Plaquemines Parish in the far southeast corner of Louisiana. These are as follow: Belle Chasse, Boothville, Braithwaite, Buras, Empire, Pointe a la Hache, Port Sulphur, and Venice. While we provide the full range socio-economic, demographic, and fisheries-specific data in the descriptions, we are prohibited under the “rule of three” to report processing employment and production at both the community and parish levels of analysis: that is, there are less than three processors present in the parish.

Extending as a narrow arm into the Gulf of Mexico, Plaquemines Parish is a sparsely populated peninsula of swamp, bayou, and narrow uplands. It is bisected by the Mississippi River. The parish encompasses 845 square miles of land and 1,584 square miles of primarily brackish water. Plaquemines was home to 26,757 persons as of the year 2000 census, making it the 36<sup>th</sup> most populous parish in Louisiana that year.

The Plaquemines area was first settled in 1709 by the French. Early settlers planted rice and sugarcane, and cultivated citrus crops. Some fished the Gulf for shrimp and gathered oysters, living a secluded life along the Mississippi (Encyclopedia Louisiana 2003). Today, most working-age residents are employed in marine-based enterprise, petrochemical-related industry, or government positions. Phillips Refinery employs many residents, as does Fort Polk. The Phillips refinery is a major facility, producing huge volumes of refined petrochemical products on a daily basis.

Pointe a la Hache is the parish seat and home to 2,347 persons in 2000. Although the town is 38 miles from New Orleans, the parish remains quite rural. The area is also very low and prone to flooding. The average elevation is six feet. Northern reaches of the parish are considered coastal marshland, while the southern and delta areas are part of the Mississippi floodplain.

Two wildlife management areas (WMAs) and two waterfowl/game refuges (WR) are located within the parish: Passe a Loutre WMA is located at the southern tip, just below the Delta WR. The Bohemia WMA is located along the central eastern coast, while the Breton WR is located in the Breton Sound.

State Roads 23, 39, and 406 serve motorists in Plaquemines Parish. The New Orleans & Lower Coast and the Norfolk Southern Railroads provide rail service. The nearest major airport, New Orleans International, is 47 miles from the parish seat. There is one shallow water port at Port Eads. The facility is not a foreign trade zone, but offers 156 barge terminals and a main channel depth of 45 feet.

The year 2000 population of Plaquemines Parish was 70 percent Caucasian, 23 percent African American, three percent Asian, two percent American Indian and two percent Hispanic. The racial composition of the parish has changed dramatically since 1920, when just 47 percent of the parish population was Caucasian. Median family income was \$38,173, well above the median for the state population. As of 2000, 18 percent of the parish population lived in households with income below the poverty line, three percent of households received public assistance, and 16 percent of families with children were headed by a single female parent.

While harvest of seafood comprised a relatively small percentage of parish earnings during the 1990s, harvest and distribution also is important. Indeed, Plaquemines vessels landed 17 percent of state seafood production between 1985 and 1989 (Goins and Caldwell 1995:83).

**Table 3.15-1 Earnings for Plaquemines Parish: 1990-2000**

Industry	Earnings (Constant 2000 \$1000's)		Share of Earnings	Change	Share of Change
	1990	2000	2000	1990-2000	1990-2000
<b>Earnings</b>	752,048	792,639	100.0	40,591	100.0
<b>Farm Earnings</b>	1,584	2,947	0.4	1,363	3.4
<b>Agr. services, Frstry, &amp; Fishing</b>	8,311	8,101	1.0	-210	-0.5
Fishing	7,854	5,896	0.7	-1,958	-4.8
<b>Mining</b>	193,487	120,541	15.2	-72,946	-179.7
Oil and gas extraction	NA	NA	NA	NA	NA
<b>Construction</b>	50,210	87,022	11.0	36,812	90.7
Special trade contractors	25,602	26,911	3.4	1,309	3.2
<b>Manufacturing</b>	89,405	149,106	18.8	59,700	147.1
Fabricated metal products	8,347	2,543	0.3	-5,803	-14.3
Industrial machine & equip.	6,442	38,492	4.9	32,050	79.0
Food and kindred	NA	12,103	1.5	NA	NA
Chemicals and allied	28,817	50,157	6.3	21,341	52.6
Petroleum and coal	3,060	438	0.1	-2,622	-6.5
<b>Transportation and Public Util.</b>	115,015	120,057	15.1	5,041	12.4
Trucking & warehousing	17,579	10,922	1.4	-6,657	-16.4
Water transportation	78,477	83,694	10.6	5,217	12.9
Transportation by air	3,087	7,025	0.9	3,939	9.7
<b>Wholesale Trade</b>	34,838	34,267	4.3	-571	-1.4
<b>Retail Trade</b>	20,578	32,690	4.1	12,111	29.8
Eating & drinking places	8,596	21,541	2.7	12,945	31.9
<b>Finance, Insur., &amp; Real Estate</b>	5,914	11,319	1.4	5,405	13.3
<b>Services</b>	77,310	88,410	11.2	11,100	27.3
Business services	25,774	23,194	2.9	-2,580	-6.4
Health services	3,557	10,855	1.4	7,297	18.0
Legal services	3,997	4,307	0.5	309	0.8
Engineering & Mgmt services	13,464	16,706	2.1	3,242	8.0
<b>Government</b>	155,395	138,181	17.4	-17,214	-42.4

Source: Bureau of Economic Analysis 2000. Regional Economic Information System, 1990-2000.

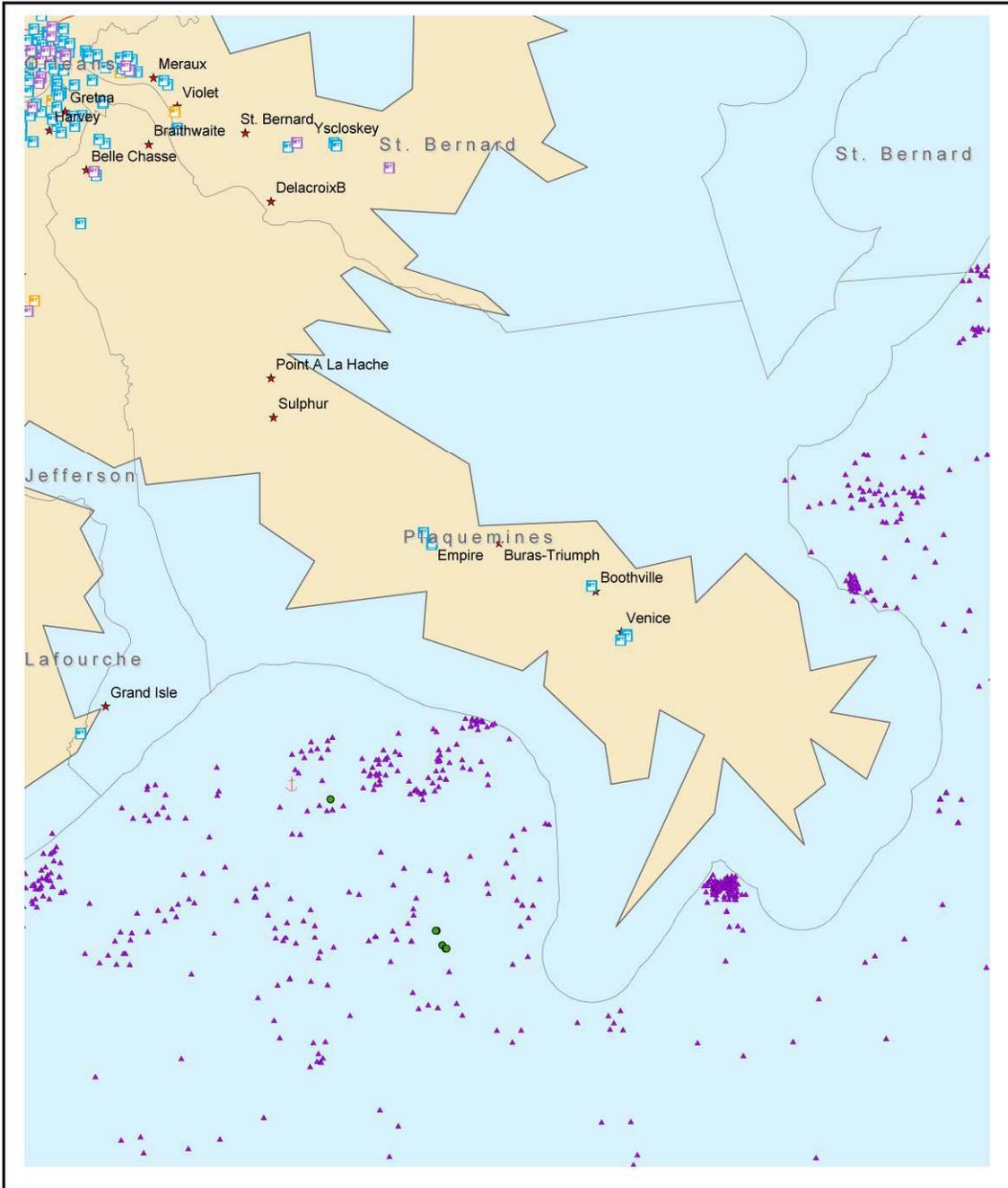
**Table 3.15-2 Year 2000 Permits and Licenses, and 2003 Gulf Shrimp Permits: Plaquemines Parish \***

Permit Type	Study Communities							
	Belle Chasse	Boothville	Braithwaite	Buras	Empire	Pointe a la Hache	Port Sulphur	Venice
Pelagic Charter	2	--	--	2	--	--	--	1
Reef Fish Charter	2	--	--	2	--	--	--	1
Swordfish	--	--	--	1	--	--	--	--
King Mackerel	--	1	--	4	2	--	--	--
Rock Shrimp	--	--	--	--	--	--	--	--
Red Snapper	--	4	--	6	--	--	--	5
Spiny Lobster	--	--	--	--	--	--	--	--
Spanish Mackerel	--	3	--	4	1	--	--	2
Gulf Reef Fish	--	6	--	6	3	--	--	5
Shark	--	2	--	2	1	--	--	1
South Atlantic Snapper Grouper	--	--	--	--	--	--	--	--
Total Permits 2000	4	16	--	27	7	--	--	15
Total Permit Holders 2000	2	6	--	11	4	--	--	8
Total State License Holders 2000	59	96	24	296	125	12	133	122
Gulf Shrimp Permits 2003 **	1	4	--	4	4	--	--	5

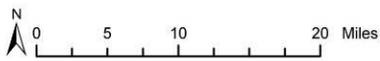
\* Includes all permits and licenses that can be attributed to the communities by *both* street and post office box addresses; these data are used to generate counts of permit and license holders for whom evidence indicates actual residence, as provided in the community descriptions. \*\* 2003 is the first year for which Gulf shrimp permit data are available.



**Post-Katrina Aerial Image of Shoreline near Empire in Plaquemines Parish, 8/31/05**  
(Photo courtesy of NOAA)



Plaquemines Parish



- ★ Study Communities
- Seafood Processor and Dealer
- Seafood Dealer
- Seafood Processor
- Reference Cities
- Reef
- ⚓ Wreck
- ▲ Platform
- Interstate

### 3.15.1 Belle Chasse (unincorporated, pop. 9,848)

**Location and Overview.** Located on Highway 23, Belle Chasse borders the west bank of the Mississippi River in upper Plaquemines Parish. A ferry crosses the Mississippi River between this small city and the town of Braithwaite. Belle Chasse is the sole quasi-urban area in Plaquemines Parish, and benefits economically from activities at nearby Alvin Callender Naval Air Station, a national defense site. Several large petrochemical complexes also line nearby areas of the Mississippi River. The areas south of Highway 23 are bordered by levees to the west, north, and east. These levees provide access into Barataria Bay and the Gulf of Mexico. There are several motels, restaurants, and a golf course in the area.

Although Belle Chasse is located on the Mississippi River, there is little fishing on the river in this area. Moreover, unlike every other place along Highway 23 south of this town, Belle Chasse does not enjoy Gulf access. As such, the town has more in common with the west bank of Jefferson Parish than the rest of Plaquemines Parish. Still, many Belle Chasse residents do own boats, and travel to Lafitte to fish. Indeed, numerous offshore and bay recreational boats, and a few small trawlers and skimmers, are parked in residents' driveways and yards. As is common practice in Southern Louisiana, virtually all of these boats are rigged for rod and reel equipment. Residents with small boats often trawl for shrimp for their personal consumption.

Residents with larger boats generally keep them in the southern part of the Parish. Although recreational fishing is commonplace, there is little sign of commercial fishing activity in the immediate area. While some commercial fishermen do live in Belle Chasse, very few keep their boats there, as it is reportedly more cost efficient to moor in closer proximity to the Gulf.



Naval Air Station, Belle Chasse Area

***Current Conditions and Trends.*** Belle Chasse was home to 8,512 persons in 1990 and 9,848 in 2000. Growth may be attributed to a general trend of population increase in the region. The local economy is based largely in petrochemical production and involvement in the region's armed forces.

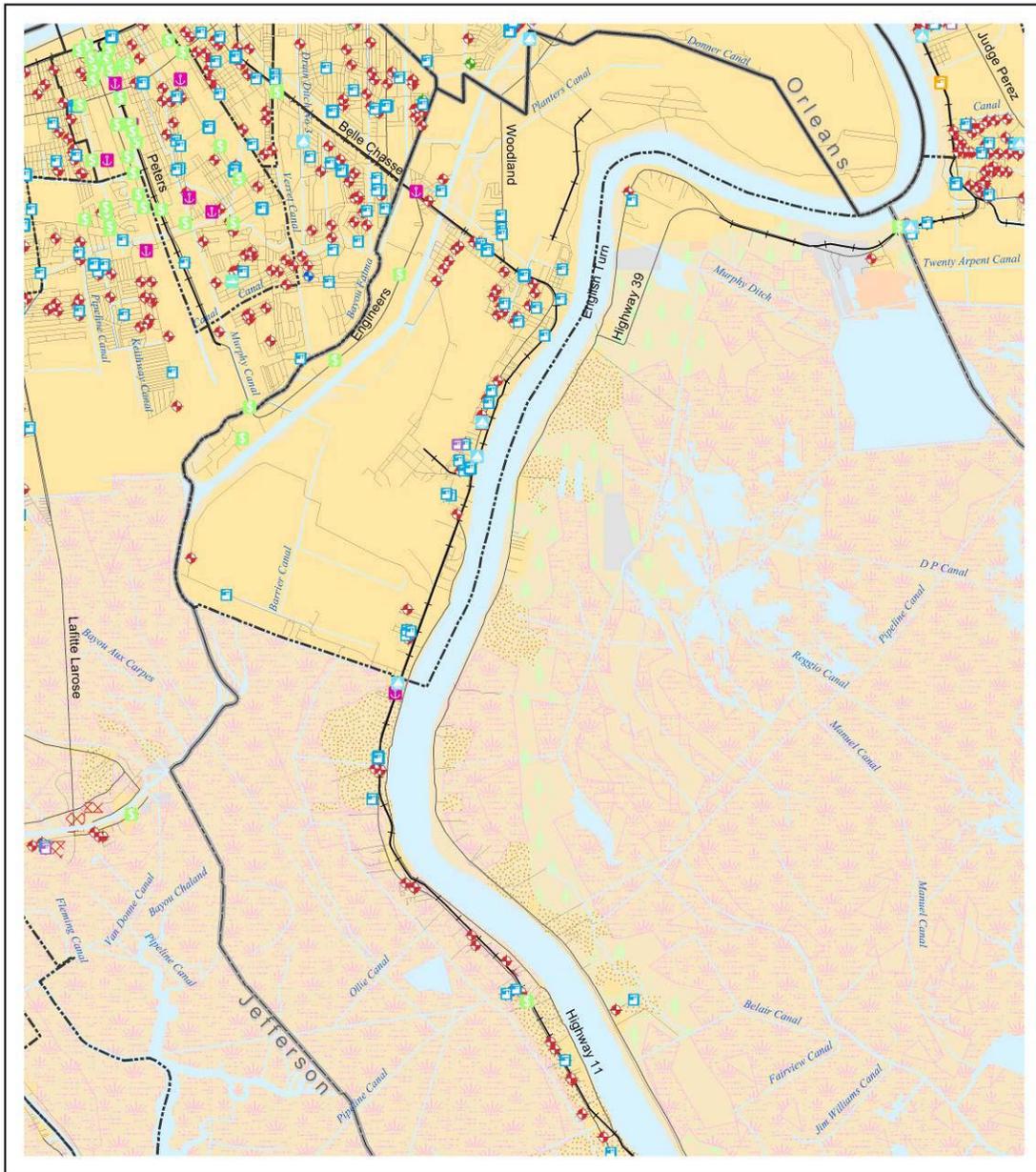
The town of Belle Chasse benefits economically from its proximity to scenic wetlands, and its development of staging areas for marsh, bayou, and seaplane tours. For residents and tourists seeking better access to saltwater fishing spots in the region, there is a large marina at Myrtle Grove, twelve miles to the south.

Various fishing support services are available in this community: bait shops, an ice house, several boat launches, marine repair shops, and commercial and recreational boat sales. Additionally, there are numerous wholesale and retail seafood outlets. There are no local processors.

A local seafood processing plant employed nine persons in 1990. No processing employment data were available for 2000. Oysters were the most frequently reported landing for the productive local commercial fleet, followed well behind by shrimp.



**Shellfish Retail Business in Belle Chasse**



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Belle Chasse Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	8,512	9,848
<b>Gender Ratio M/F (Number)</b>	4,341/4,171	4,871/4,977
<b>Age (Percent of total population)</b>		
Under 18 years of age	29.4	28.5
18 to 64 years of age	64.4	62.0
65 years and over	6.2	9.5
<b>Ethnicity or Race (Number)</b>		
White	7,876	9,072
Black or African American	497	417
American Indian and Alaskan Native	31	60
Asian	67	84
Native Hawaiian and other Pacific Islander	N/A	2
Some other race	41	84
Two or more races	N/A	129
Hispanic or Latino (any race)	281	232
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	13.9	7.3
Percent high school graduate or higher	72.4	83.3
Percent with a Bachelor's degree or higher	12.5	16.0
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	6.4	5.7
Percent who speak English less than very well	1.9	1.0
<b>Household income (Median \$)</b>	30,952	47,271
<b>Poverty Status (Percent of population with income below poverty line)</b>	9.4	7.7
<b>Percent female headed household</b>	9.7	12.0
<b>Home Ownership (Number)</b>		
Owner occupied	1,698	2,299
Renter occupied	1,026	1,101
<b>Value Owner-occupied Housing (Median \$)</b>	83,200	146,900
<b>Monthly Contract Rent (Median \$)</b>	351	572
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	66.8	64.7
Percent of civilian labor force unemployed	6.0	4.9
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	30.5
Service occupations	N/A	11.6
Sales and office occupations	N/A	30.2
Farming, fishing, and forestry occupations	2.7	0.8
Construction, extraction, and maintenance occupations	N/A	12.1
Production, transportation, and material moving occupations	N/A	14.8
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	1.8	0.6
Mining (includes the offshore oil/gas industry workforce)	4.8	3.8
Manufacturing	12.2	9.7
Percent government workers	19.4	18.2
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	23.7
Percent worked outside of county of residence	41.7	53.5

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons between those census years.

**Table 2. Fishing Infrastructure and Services Observed at Belle Chasse in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	10-20 (Small Boats)
Skimmers	10-15
Butterfly	Less than 5
Crabbers	10-15
Oyster	0
Other Commercial	0
<b>Recreational Fishing Boats</b>	-
Freshwater	200 +
Saltwater	100 +
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	1
Commercial Ship/Boat Repair	1
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	2
Seafood Transport	1
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Belle Chasse in 2003**

Type of Business	Frequency
Boat Builder/Broker	4
Boat Rentals & Pier	4
Diving & Fishing Equipment	1
Marina	2
Processor	1
Seafood Retailer	3
Seafood Dealer (Wholesaler)	1
Total	16

**Table 4. Belle Chasse Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	1,875,240	3,644,871

**Table 5. Belle Chasse License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
49	--	2,116	2,970
Total = 49		Average Number of Licenses per Household 2,116/3,997 = .5	--
% Households Holding Commercial Permit or License: 49/3,997 = 1.2			

Please reference Table 3.15-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### **3.15.2 Boothville** (unincorporated, pop. 2,220)

***Location and Overview.*** Boothville is a small, linear, community located along State Highway 23 north of Venice, and directly adjacent to the Mississippi River. Boothville is often regarded as part of nearby Venice, and many local businesses are listed with Venice addresses. In economic terms, modern Boothville is deeply involved in production of citrus fruits and provision of offshore petroleum industry services. As for neighboring Buras, local firms produce a significant portion of Louisiana's citrus crop. Commercial fishing is also important, and many residents derive at least a portion of their income from the industry. Many supplement income from agriculture and oil industry jobs with money generated through fishing; a situation enabled, in part, by the scheduling flexibility offered (at some levels of employment) by local farms and oil industry support businesses.

***History.*** Historical accounts of life in Boothville are sparse, but the town originated as a small early nineteenth century settlement along the Mississippi, with some early dependence on citrus products and seafood. Speaking to the low-lying nature of the town and region, a 15-foot storm surge inundated Boothville during Hurricane Camille in 1969.

***Current Conditions and Trends.*** Informants describe Boothville as a community focused extensively on commercial fishing. In support of this description, Boothville has several harbors and docks, and many residents support themselves, in part, with revenue generated through fishing and associated support businesses. The area supports various commercial and recreational boat/engine repair facilities, an ice house, bait shops, a net dealer, and seafood dealers. Commercial and recreational boat distributors are also present. Yet, according to some informants, the number of commercial harvesters has been in decline for the last decade, and residents reported that they find it increasingly difficult to compete in the marketplace, given the pricing pressure associated with the influx of imported Asian shrimp. There is also, reportedly, some competition in area waters between Boothville locals and shrimpers from other areas.

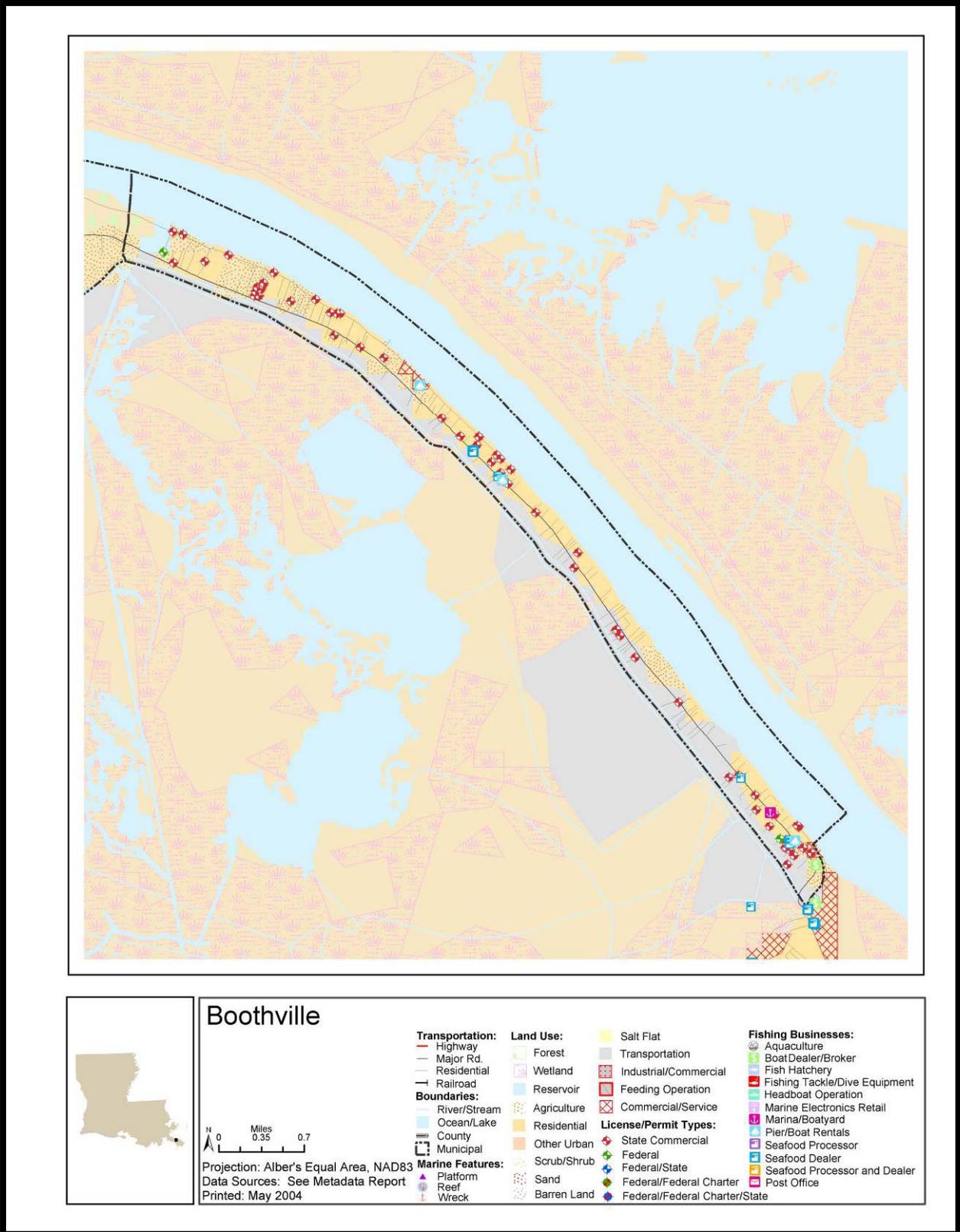
Shrimp, crabs, and oysters are the principal seafood products here. No processor employment data are available for the period 1980 through 2000. Although we could prove physical residence for nine state commercial license holders, 96 lived and/or maintained post office boxes in the area in 2000. One resident held a Gulf shrimp permit in 2003.



**Roadside Sign Advertising the Boothville Fishing Rodeo**



**Boothville Buyer and Wholesaler**



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Boothville Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	2,743	2,220
<b>Gender Ratio M/F (Number)</b>	1,403/1,340	1,133/1087
<b>Age (Percent of total population)</b>		
Under 18 years of age	36.1	31.7
18 to 64 years of age	57.6	60.8
65 years and over	6.3	7.5
<b>Ethnicity or Race (Number)</b>		
White	1,810	1,375
Black or African American	783	638
American Indian and Alaskan Native	80	75
Asian	62	89
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	8	6
Two or more races	N/A	37
Hispanic or Latino (any race)	50	27
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	27.9	27.3
Percent high school graduate or higher	43.5	48.4
Percent with a Bachelor's degree or higher	3.8	3.0
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	7.3	10.2
Percent who speak English less than very well	1.7	3.8
<b>Household income (Median \$)</b>	16,250	33,813
<b>Poverty Status (Percent of population with income below poverty line)</b>	36.9	17.3
<b>Percent female headed household</b>	11.1	14.2
<b>Home Ownership (Number)</b>		
Owner occupied	699	650
Renter occupied	145	96
<b>Value Owner-occupied Housing (Median \$)</b>	47,900	73,600
<b>Monthly Contract Rent (Median \$)</b>	223	276
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	55.3	53.0
Percent of civilian labor force unemployed	3.2	3.8
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	18.1
Service occupations	N/A	10.6
Sales and office occupations	N/A	19.5
Farming, fishing, and forestry occupations	12.0	11.0
Construction, extraction, and maintenance occupations	N/A	11.4
Production, transportation, and material moving occupations	N/A	29.4
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	14.5	12.6
Mining (includes the offshore oil/gas industry workforce)	8.0	10.1
Manufacturing	7.0	4.8
Percent government workers	11.3	16.1
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	16.3
Percent worked outside of county of residence	0.9	4.6

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons between those census years

**Table 2. Fishing Infrastructure and Services Observed in Boothville in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	--
Trawls	100-150
Skimmers	100-150
Butterfly	2
Crabbers	30-50
Oyster	0
Other Commercial	0
<b>Recreational Fishing Boats</b>	--
Freshwater	100-150
Saltwater	100-150
<b>Infrastructure and Services</b>	--
Marinas	1
Seafood Docks/Dealers	1
Commercial Ship/Boat Repair	1
Commercial Ship/Boat Builders	1
Net Makers/Dealers	1
Commercial Marine Supply	1
Seafood Transport	1
Air Fill Station (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Boothville in 2003**

Data not available. Many Boothville businesses are listed in the nearby Venice area, rather than locally.

**Table 4. Boothville Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	3,642,685	4,725,663

**Table 5. Boothville License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
9	--	189	333
Total = 9		Average Number of Licenses per Household $189/746 = .3$	--
% Households Holding Commercial Permit or License: $9/746 = 1.2$			

Please reference Table 3.15-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.15.3 Braithwaite (unincorporated, pop. 1,193)

***Location and Overview.*** Braithwaite is located just south and east of New Orleans, on the Mississippi River, along Highway 39. Many locals consider the smaller nearby town of Caernarvon to be part of Braithwaite. The petrochemical industry is important here, though many residents are employed in professional and management positions in New Orleans and surrounding urban areas.

Recreational opportunities are locally important. Nearby St. Bernard Park offers camping and various other outdoor opportunities for those interested. Boat ramps and an entrance to the Caernarvon marsh are close by and provide access to Lake Pontchartrain, Lake Borgne, and the Gulf of Mexico. The completion of the Corp of Engineers Caernarvon Freshwater Diversion Project in 1991 allowed freshwater to once again feed the area's estuaries. The resulting increase in largemouth bass stocks and accompanying freshwater anglers brought new sources of revenue to the area. This part of Louisiana's coast is regarded by many as a prime point of departure for recreational freshwater and tidal water angling.



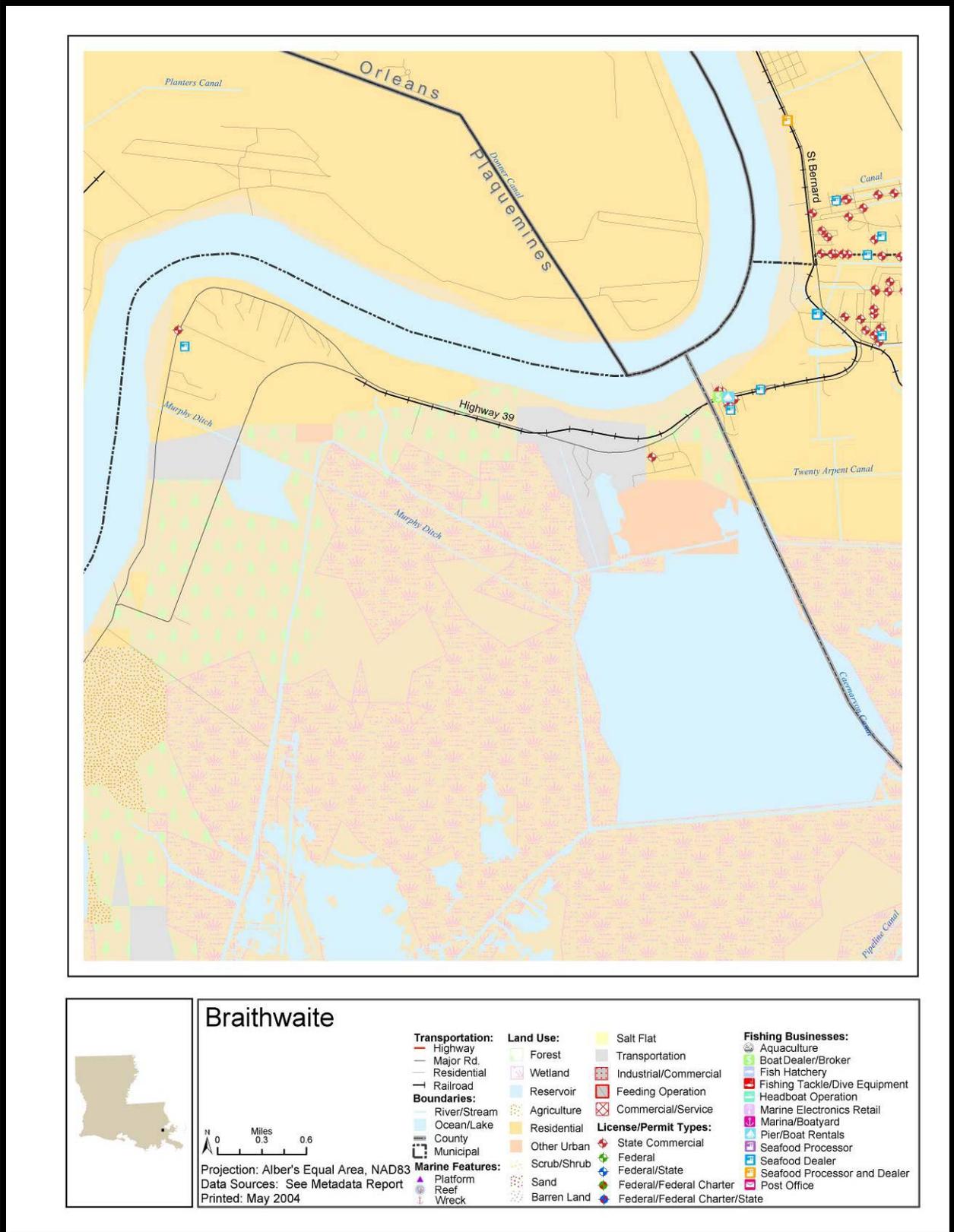
**Offshore Oil Field Support Vessels at Braithwaite**

***Current Conditions and Trends.*** Braithwaite had a year 2000 population of 1,193 persons, an increase of 352 persons from 1990. The offshore oil and gas industry and local petrochemical companies provide Braithwaite with its primary modes of locally-based employment.

A small fleet of commercial operators is based here and there are shrimp and crab vessels moored in yards. Dock space is limited in the area. Many residents engage in recreational fishing activities, and numerous businesses provide fishing-related services. Both Caernarvon and St. Bernard State Park (to the east of Braithwaite) are popular fishing destinations for both locals and residents of other nearby communities, with the nearest boat launch at St. Bernard Park. Crab, oysters, and shrimp are the principal commercial seafood products.



**Petroleum Storage Facility at Braithwaite**



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Braithwaite Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	841	1,193
<b>Gender Ratio M/F (Number)</b>	395/446	587/606
<b>Age (Percent of total population)</b>		
Under 18 years of age	21.7	24.4
18 to 64 years of age	67.1	61.7
65 years and over	11.2	13.9
<b>Ethnicity or Race (Number)</b>		
White	699	914
Black or African American	142	264
American Indian and Alaskan Native	0	3
Asian	0	4
Native Hawaiian and other Pacific Islander	N/A	1
Some other race	0	1
Two or more races	N/A	6
Hispanic or Latino (any race)	23	24
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	11.4	3.8
Percent high school graduate or higher	88.5	82.6
Percent with a Bachelor's degree or higher	19.1	18.0
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	5.2	4.6
Percent who speak English less than very well	3.2	1.5
<b>Household income (Median \$)</b>	24,875	41,316
<b>Poverty Status (Percent of population with income below poverty line)</b>	12.3	11.4
<b>Percent female headed household</b>	8.0	10.1
<b>Home Ownership (Number)</b>		
Owner occupied	244	387
Renter occupied	61	64
<b>Value Owner-occupied Housing (Median \$)</b>	104,100	132,500
<b>Monthly Contract Rent (Median \$)</b>	99	235
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	54.6	55.0
Percent of civilian labor force unemployed	3.9	4.7
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	34.2
Service occupations	N/A	12.7
Sales and office occupations	N/A	23.9
Farming, fishing, and forestry occupations	4.3	0
Construction, extraction, and maintenance occupations	N/A	14.3
Production, transportation, and material moving occupations	N/A	14.7
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	4.4	1.3
Mining (includes the offshore oil/gas industry workforce)	1.6	5.6
Manufacturing	21.3	12.7
Percent government workers	17.5	21.9
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	30.3	34.9
Percent worked outside of county of residence	60.4	62.0

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons between those census years.

**Table 2. Fishing Infrastructure and Services Observed in Braithwaite in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	20-30
Skimmers	20-30
Butterfly	1
Crabbers	10
Oyster	1
Other Commercial	5-10 (Oil Field)
<b>Recreational Fishing Boats</b>	-
Freshwater	50-100
Saltwater	50-100
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	1
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	0
Air Fill Station (diving)	0
Fishing Pier	2

**Table 3. Primary Fishing-related Businesses Listed for Braithwaite in 2003**

Type of Business	Frequency
Boat Builder/Broker; Boat Rentals & Pier	1
Boat Rentals & Pier	1
Total	2

**Table 4. Braithwaite Commercial Landings and Value Summary: 2000** (based o all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	1,049,926	1,056,373

**Table 5. Braithwaite License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
20	0	256	14
Total = 20		Average Number of Licenses per Household 256/451 = .6	--
% Households Holding Commercial Permit or License: 20/451 = 4.4			

Please reference Table 3.15-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.15.4 Buras-Triumph (incorporated, pop. 3,358)

**Location and Overview.** Buras-Triumph is located on the west bank of the Mississippi River in Plaquemines Parish. Its municipal bounds are lined with orange and grapefruit orchards, indicative of the town's history and status as one of Louisiana's most important citrus fruit-producing centers. The local economy also draws on fishing and petroleum industries. Shrimp, crab, mullet, and oysters are, in that order, the main seafood products. Levees along Highway 23 provide quick access to many freshwater fishing areas, and deepwater access is available via Barataria Bay. Numerous marsh tour boats and fishing charter boats are available for hire here. Buras is also nurturing an eco-tourism industry, with egrets and brown pelicans as popular foci for naturalists. An annual Civil War re-enactment, at nearby Fort Jackson, draws visitors to the general area, as does the Empire South Pass Tarpon Rodeo.

**History.** Buras, and its smaller companion Triumph, developed in the early 19<sup>th</sup> century as several small and unnamed settlements. The larger of the settlements assumed its name in 1840, when the Buras family arrived from France and settled here along the banks of the Mississippi (Encyclopedia Louisiana 2004).



Skimmers Visible on Shrimp Vessels at Harbor in Buras

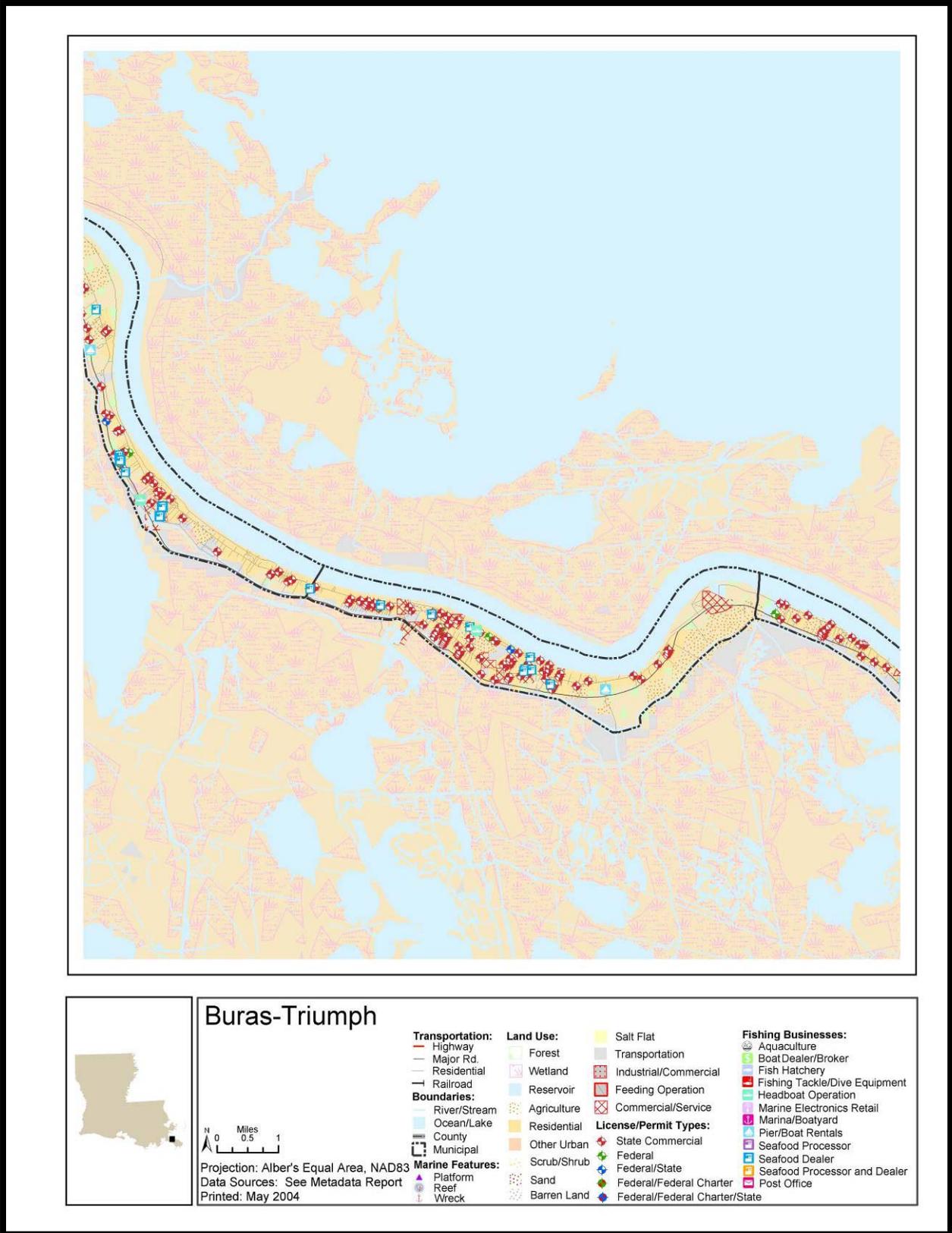
**Current Conditions and Trends.** Buras-Triumph had a year 2000 population of 3,358 persons, a decrease of 344 residents from 1990. Shrimp and oysters are the primary fisheries here, though there is also offshore finfish activity. Hundreds of commercial shrimp boats, with both trawl and skim gear, dock alongside recreational fishing boats at the Buras Boat Harbor. Buras supports both commercial and recreational fishing, with local services including various bait shops, a net dealer, an ice house, and facilities for both commercial and recreational boat and engine repair. Two federally-permitted charter operators were based here in 2000, and four residents held Gulf shrimp permits in 2003.

Informants describe Buras as an easy place to launch and a focus for shrimping activity in the region. While a good percentage of residents are active in the area's fisheries, and derive income from fishing-related industry, many commercial and recreational fishers also travel from outside the parish to fish from Buras. Various local fishery participants asserted that Buras has a long tradition of involvement in commercial fisheries.

Numerous persons of Vietnamese and Cambodian ancestry have settled in the Buras-Triumph area in recent years. One informant suggested that such families tend to succeed, in part, as labor costs are reduced through involvement of the entire family in the fishing businesses. There was a popular opinion noted in Buras that blames increasing seafood imports and turtle excluder device (TED) for loss of profit. Arguments against TEDS focused on perceived loss of landings.



**Buras Launch Ramp**



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Buras-Triumph Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	3,702	3,358
<b>Gender Ratio M/F (Number)</b>	1,894/1,808	1699/1659
<b>Age (Percent of total population)</b>		
Under 18 years of age	32.1	30.0
18 to 64 years of age	60.6	61.8
65 years and over	7.2	7.9
<b>Ethnicity or Race (Number)</b>		
White	3,156	2,407
Black or African American	227	366
American Indian and Alaskan Native	22	56
Asian	262	413
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	35	43
Two or more races	N/A	73
Hispanic or Latino (any race)	121	37
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	27.4	21.6
Percent high school graduate or higher	47.9	54.8
Percent with a Bachelor's degree or higher	4.4	3.5
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	20.4	16.8
Percent who speak English less than very well	10.0	9.0
<b>Household income (Median \$)</b>	23,125	33,059
<b>Poverty Status (Percent of population with income below poverty line)</b>	18.6	20.7
<b>Percent female headed household</b>	10.0	12.7
<b>Home Ownership (Number)</b>		
Owner occupied	956	915
Renter occupied	273	231
<b>Value Owner-occupied Housing (Median \$)</b>	49,300	61,500
<b>Monthly Contract Rent (Median \$)</b>	273	311
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	61.6	49.6
Percent of civilian labor force unemployed	5.9	10.2
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	14.9
Service occupations	N/A	13.6
Sales and office occupations	N/A	20.0
Farming, fishing, and forestry occupations	11.7	9.4
Construction, extraction, and maintenance occupations	N/A	15.6
Production, transportation, and material moving occupations	N/A	26.5
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	10.8	9.9
Mining (includes the offshore oil/gas industry workforce)	15.0	14.1
Manufacturing	7.4	6.7
Percent government workers	12.0	18.3
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	21.4
Percent worked outside of county of residence	18.1	9.4

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons between those census years.

**Table 2. Fishing Infrastructure and Services Observed in Buras-Triumph in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	--
Trawls	150-200
Skimmers	150-200
Butterfly	5
Crabbers	20
Oyster	10-15
Other Commercial	5
<b>Recreational Fishing Boats</b>	-
Freshwater	100-150
Saltwater	100-150
<b>Infrastructure and Services</b>	-
Marinas	1
Seafood Docks/Dealers	1
Commercial Ship/Boat Repair	1
Commercial Ship/Boat Builders	1
Net Makers/Dealers	1
Commercial Marine Supply	1
Seafood Transport	1
Air Fill Station (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Buras in 2003**

Type of Business	Frequency
Boat Builder/Broker	1
Boat Rentals & Pier	5
Boat Rentals & Pier; Marina	1
Processor	1
Seafood Retailer	1
Seafood Dealer (Wholesaler)/ Retailer	1
Seafood Dealer (Wholesaler)	3
Total	13

**Table 4. Buras-Triumph Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	10,345,614	16,180,239

**Table 5. Buras License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
119	5	681	1,437
Total = 124		Average Number of Licenses per Household 681/1,146 = .6	--
% Households Holding Commercial Permit or License: 124/1,146 = 10.8			

Please reference Table 3.15-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.15.4 Empire (unincorporated, pop.2,211)

**Location and Overview.** Empire is named after the Empire Canal, built in the region in 1885. The town is located along the west bank of the Mississippi, on Highway 23, between Buras and Nairn. Empire is a major Louisiana fishing port, with menhaden, shrimp, and oysters as primary products. The local processor employed an average of 88 persons in 1990, and 92 persons in 2000. Petroleum industry and citrus farming are also important. With direct access to Adams and Bastian Bays and the Gulf, scores of commercial boats operate here. The town is also involved in recreational fishing and associated support businesses. As such, various charter and guide vessels operate here. The Empire/South Pass Tarpon Rodeo is held each August.

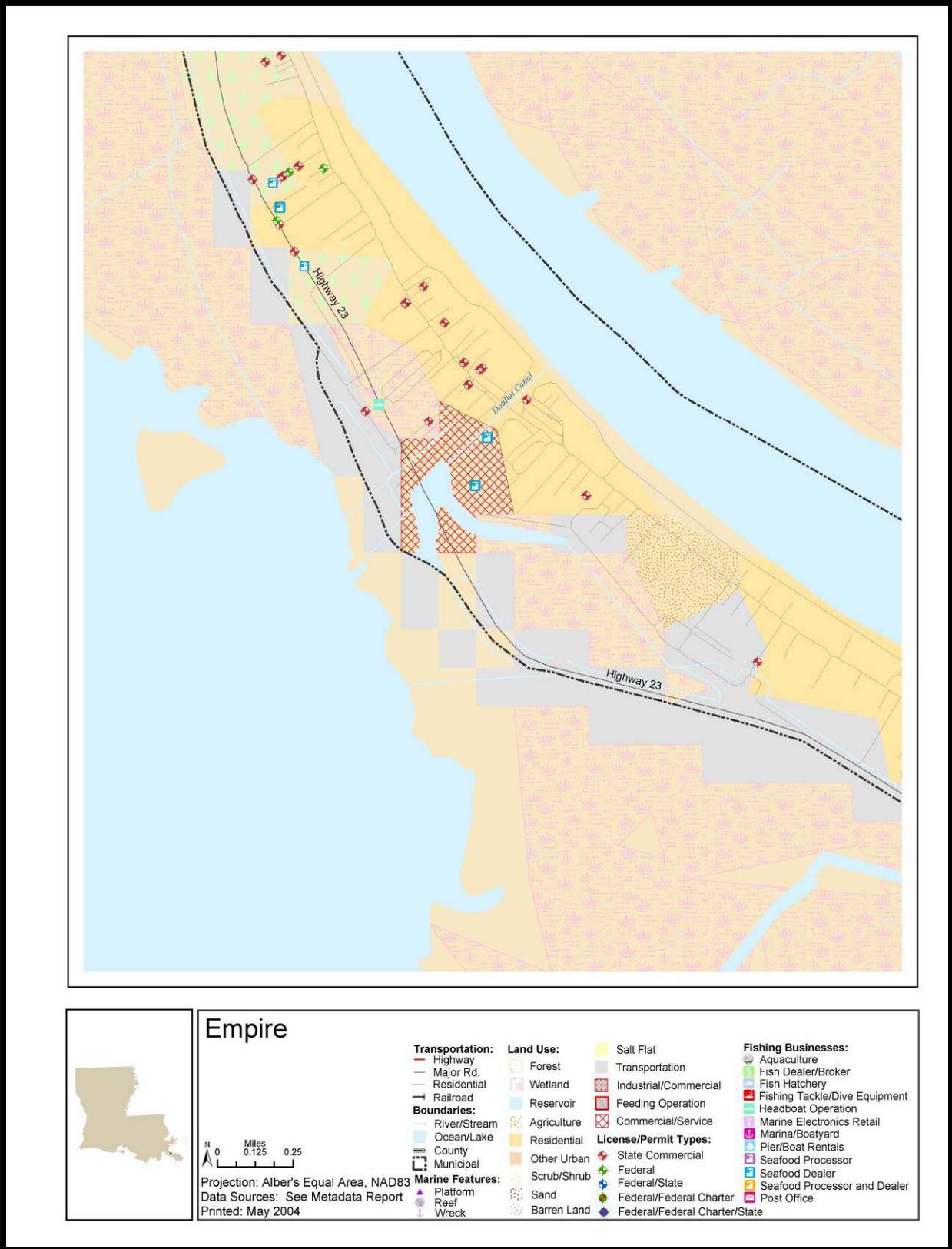
**Current Conditions and Trends.** Empire had a year 2000 population of 2,211 persons, a decrease of 443 inhabitants from 1990. There is extensive support for fishing-related industry here, including seafood docks, bait shops, ice houses, boat launches, repair facilities for commercial and recreational boats and engines, and a high-production menhaden harvest and processing plant. Many informants claim that Empire has always been dependent on commercial fishing. Numerous residents maintain their own dockage, an attribute facilitated by the nature of the water bodies and adjacent properties. Numerous commercial fishery participants here are members of the Louisiana Fisherman's Association.

Some fishery participants in Empire believe that more young people are taking up commercial fishing because the region's oil industry is in a state of decline. While this may help sustain the commercial fishing industry, it also, reportedly, shakes up traditional relationships and fosters competition. Thus, some shrimpers complain that, when shrimp harvests are good, too many people market the product simultaneously, thereby reducing price. Others claim they are a "dying breed," in that the combination of depressed prices resulting from local competition and foreign imports, and various regulations such as those requiring TEDS are making it very difficult to continue. Even so, having invested years of time and money into this industry, debts must be paid, and many see few alternatives to continued fishing in this rural area.

Although we could prove physical residence for six state commercial license holders, 125 maintained post office boxes or resided in the area in 2000. Four Gulf shrimp permit holders either lived or maintained postal addresses here in 2003.



Empire Boat Harbor



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Empire Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	2,654	2,211
<b>Gender Ratio M/F (Number)</b>	1,332/1,322	1,111/1,100
<b>Age (Percent of total population)</b>		
Under 18 years of age	33.1	29.5
18 to 64 years of age	58.9	59.8
65 years and over	8.0	10.7
<b>Ethnicity or Race (Number)</b>		
White	1,677	1,344
Black or African American	872	747
American Indian and Alaskan Native	13	9
Asian	92	61
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	0	20
Two or more races	N/A	30
Hispanic or Latino (any race)	28	26
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9 <sup>th</sup> grade	26.7	23.9
Percent high school graduate or higher	48.2	60.3
Percent with a Bachelor's degree or higher	4.6	11.8
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	12.8	9.7
Percent who speak English less than very well	4.1	4.1
<b>Household income (Median \$)</b>	19,194	27,208
<b>Poverty Status (Percent of population with income below poverty line)</b>	30.3	27.9
<b>Percent female headed household</b>	18.3	16.1
<b>Home Ownership (Number)</b>		
Owner occupied	694	666
Renter occupied	166	105
<b>Value Owner-occupied Housing (Median \$)</b>	41,100	56,500
<b>Monthly Contract Rent (Median \$)</b>	211	359
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	60.0	54.6
Percent of civilian labor force unemployed	10.3	11.5
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	23.7
Service occupations	N/A	14.5
Sales and office occupations	N/A	15.8
Farming, fishing, and forestry occupations	14.0	16.3
Construction, extraction, and maintenance occupations	N/A	11.3
Production, transportation, and material moving occupations	N/A	18.4
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	18.5	18.8
Mining (includes the offshore oil/gas industry workforce)	6.3	8.4
Manufacturing	12.0	4.7
Percent government workers	18.6	23.2
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	33.9
Percent worked outside of county of residence	8.0	11.0

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons between those census years.

**Table 2. Fishing Infrastructure and Services Observed in Empire in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	--
Trawls	~100
Skimmers	~200
Butterfly	10-20
Crabbers	10-20
Oyster	15-20
Other Commercial	5-10
<b>Recreational Fishing Boats</b>	--
Freshwater	10-20
Saltwater	150-200
<b>Infrastructure and Services</b>	--
Marinas	4
Seafood Docks/Dealers	5
Commercial Ship/Boat Repair	6
Commercial Ship/Boat Builders	3
Net Makers/Dealers	2
Commercial Marine Supply	3
Seafood Transport	10-15

**Table 3. Primary Fishing-related Businesses Listed for Empire in 2003**

Type of Business	Frequency
Seafood Dealer (Wholesaler)	1
Processor	1
Total	2

**Table 4. Empire Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	145,115,304	18,444,404

**Table 5. Empire License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
6	--	197	1,481
Total = 6		Average Number of Licenses per Household $197/771 = .3$	--
% Households Holding Commercial Permit or License: $6/771 = .8$			

Please reference Table 3.15-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.15.6 Pointe a la Hache (unincorporated, pop. 1,832)

**Location and Overview.** Pointe a la Hache is located on both sides of the Mississippi River, along Highway 39, south of Phoenix on the east bank, and along Highway 23, north of Port Sulphur on the west. A ferry connects the west and east banks. East Pointe a la Hache accesses the Caernarvon Marsh. This is an area consisting of thousands of acres of intricate waterways, canals, and lakes, such as Lake Lery, Big Mar, Grand Lake, Spanish Lake, Petit Lake, and Laot Lake. The area has benefited from the Corp of Engineers Caernarvon Freshwater Diversion Project, completed in 1991. Delacroix is an easy trip from Pointe a la Hache.

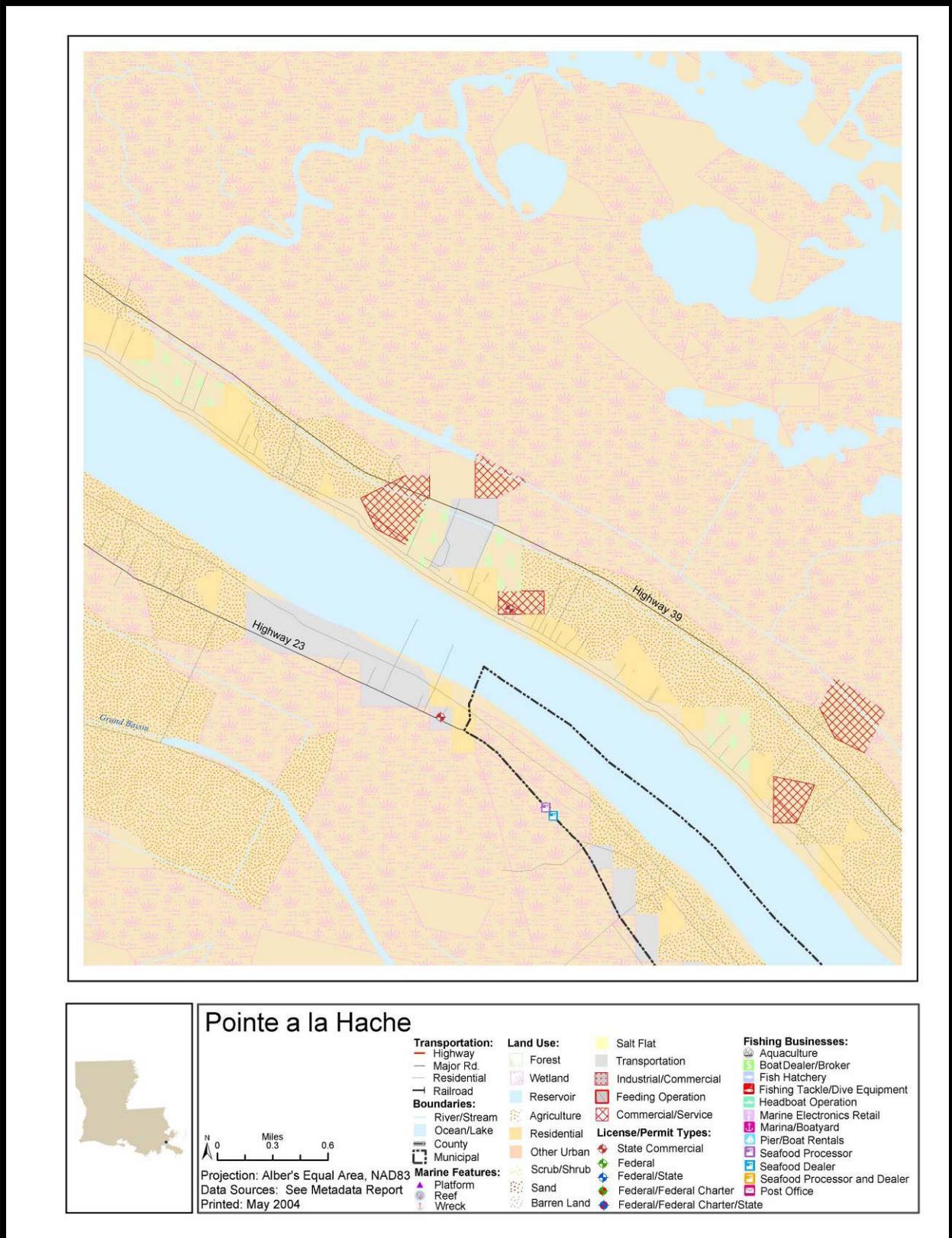
The area on west bank, like all places along Highway 23, is a major jumping-off place for recreational anglers. Highway 23 is bordered by the levees of the Mississippi River on the east, and, on the west, by the levees along the estuaries, which lead into Barataria Bay and the Gulf of Mexico. Anglers have quick access to fishing areas all along Highway 23.

There are two primary aspects to the area's economy: the oil and gas industry, and citrus farming. The seasonal work of citrus farming lends itself to commercial and/or recreational fishing, but there is relatively little local commercial involvement. The local processor did employ nine persons in 1980 and four in 1990. No data were available for 2000.

Observation of the east bank revealed mostly oil industry service companies with small service docks. Some recreational boats and a few commercial shrimp and oyster vessels are moored in the marshy waters behind the town. The seafood processor maintains a transport truck, but has no service dock. There is one boat repair shop.



Skimmer-rigged vessels at Pointe a la Hache in 2003



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Pointe a la Hache Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,522	1,832
<b>Gender Ratio M/F (Number)</b>	775/747	959/873
<b>Age (Percent of total population)</b>		
Under 18 years of age	31.5	25.6
18 to 64 years of age	58.9	61.1
65 years and over	9.6	13.3
<b>Ethnicity or Race (Number)</b>		
White	211	293
Black or African American	1,286	1,495
American Indian and Alaskan Native	15	23
Asian	4	6
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	6	3
Two or more races	N/A	12
Hispanic or Latino (any race)	15	18
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	23.4	22.2
Percent high school graduate or higher	51.9	51.9
Percent with a Bachelor's degree or higher	2.7	3.9
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	7.7	6.3
Percent who speak English less than very well	1.2	0.9
<b>Household income (Median \$)</b>	12,348	20,729
<b>Poverty Status (Percent of population with income below poverty line)</b>	54.4	47.1
<b>Percent female headed household</b>	24.7	29.7
<b>Home Ownership (Number)</b>		
Owner occupied	380	411
Renter occupied	52	53
<b>Value Owner-occupied Housing (Median \$)</b>	37,400	31,700
<b>Monthly Contract Rent (Median \$)</b>	125	275
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	43.2	26.8
Percent of civilian labor force unemployed	18.7	11.5
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	18.8
Service occupations	N/A	25.3
Sales and office occupations	N/A	5.9
Farming, fishing, and forestry occupations	5.0	0.8
Construction, extraction, and maintenance occupations	N/A	20.5
Production, transportation, and material moving occupations	N/A	28.4
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	8.9	0.8
Mining (includes the offshore oil/gas industry workforce)	8.6	8.5
Manufacturing	25.6	15.9
Percent government workers	23.9	26.7
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	N/A
Percent worked outside of county of residence	12.8	16.3

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons between those census years.

**Table 2. Fishing Infrastructure and Services Observed in Pointe a la Hache in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	--
Trawls	5-10
Skimmers	~10
Butterfly	2
Crabbers	2
Oyster	3-5
Other Commercial	1
<b>Recreational Fishing Boats</b>	-
Freshwater	5-10
Saltwater	20-30
Marinas	0
Seafood Docks/Dealers	1
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	1
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Pointe a la Hache in 2003**

Type of Business	Frequency
Seafood Dealer (Wholesaler)/ Retailer	3
Total	3

**Table 4. Pointe a la Hache Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	425,731	868,514

**Table 5. Pointe a la Hache License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
1	0	81	2
Total = 1		Average Number of Licenses per Household 81/464 = .2	--
% Households Holding Commercial Permit or License: 1/464 = .2			

Please reference Table 3.15-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.15.7 Port Sulphur (unincorporated, pop. 3,115)

**Location and Overview.** Port Sulphur is located on the banks of the Mississippi, along Highway 23. Small retail businesses and residential areas are punctuated with canals and points of freshwater access. The estuaries along the levees of the Mississippi also lead into the deeper waters of Bay Lanauy, Barataria Bay, and the Gulf of Mexico.

**History.** Prior to 1932, nothing but freshwater marsh surrounded the Port Sulphur area, and the town was a small subsistence-oriented village along the banks of the Mississippi. The Freeport Sulphur Company was established after acquiring extraction rights to Lake Grande Ecaille's mineral resources. The town quickly developed in conjunction with the company, complete with schools, a hospital, clubhouses and lodges, and a park with various recreational opportunities.

Prior to its closing in 1978, the local sulfur mine produced 40 million tons. Today, oil industry activities, farming, and fishing contribute to the local economy.

**Current Conditions and Trends.** Port Sulphur is a CDP with a year 2000 population of 3,115 persons; a decrease of 408 residents from 1990. The oil and gas industry, fishing, and citrus farming are important here. Local processors employed nine persons in 1980, and two in 1990. No data were available for 2000. Oysters and shrimp are the primary catch; Fosters Canal, Grand Bayou, and the Happy Jack area are the main locations of interest. There are boat launches, piers, small marinas, bait shops, repair facilities, a marine supply, and an icehouse.

Local informants complain about the problematic effects of shrimp imports, turtle exclusion devices (TEDS), and high overhead costs. There appears to be some competition between some long-time resident shrimpers and fishermen, and those of Vietnamese and Cambodian ancestry who have arrived more recently. There is a significant fleet of state licensed fishers, but no resident federal permit holders. Although we could prove physical residence for 52 state commercial license holders, 133 lived or maintained post office boxes in the area in 2000.



**Skimmer Rig: Port Sulphur**



## Port Sulphur

Projection: Alber's Equal Area, NAD83  
 Data Sources: See Metadata Report  
 Printed: May 2004

<b>Transportation:</b> Highway Major Rd. Residential Railroad <b>Boundaries:</b> River/Stream Ocean/Lake County Municipal <b>Marine Features:</b> Platform Reef Wreck	<b>Land Use:</b> Forest Wetland Reservoir Agriculture Residential Other Urban Scrub/Shrub Sand Barren Land	Salt Flat Transportation Industrial/Commercial Feeding Operation Commercial/Service <b>License/Permit Types:</b> State Commercial Federal Federal/State Federal/Federal Charter Federal/Federal Charter/State	<b>Fishing Businesses:</b> Aquaculture Boat Dealer/Broker Fish Hatchery Fishing Tackle/Dive Equipment Headboat Operation Marine Electronics Retail Marina/Boatyard Pier/Boat Rentals Seafood Processor Seafood Dealer Seafood Processor and Dealer Post Office
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Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Port Sulphur Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	3,523	3,115
<b>Gender Ratio M/F (Number)</b>	1,740/1,783	1,506/1,609
<b>Age (Percent of total population)</b>		
Under 18 years of age	32.7	30.8
18 to 64 years of age	57.0	58.6
65 years and over	10.3	10.6
<b>Ethnicity or Race (Number)</b>		
White	1,977	1,412
Black or African American	1,296	1,384
American Indian and Alaskan Native	203	219
Asian	26	19
Native Hawaiian and other Pacific Islander	N/A	1
Some other race	21	28
Two or more races	N/A	52
Hispanic or Latino (any race)	39	30
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	28.3	17.4
Percent high school graduate or higher	50.6	61.2
Percent with a Bachelor's degree or higher	3.2	5.3
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	16.2	7.4
Percent who speak English less than very well	9.2	1.2
<b>Household income (Median \$)</b>	20,593	30,188
<b>Poverty Status (Percent of population with income below poverty line)</b>	29.4	22.2
<b>Percent female headed household</b>	14.8	20.0
<b>Home Ownership (Number)</b>		
Owner occupied	968	1,055
Renter occupied	161	167
<b>Value Owner-occupied Housing (Median \$)</b>	43,900	55,300
<b>Monthly Contract Rent (Median \$)</b>	220	236
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	47.7	51.3
Percent of civilian labor force unemployed	7.0	5.6
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	14.0
Service occupations	N/A	13.1
Sales and office occupations	N/A	27.8
Farming, fishing, and forestry occupations	9.8	6.2
Construction, extraction, and maintenance occupations	N/A	19.1
Production, transportation, and material moving occupations	N/A	19.7
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting (and mining)	9.4	6.2
Mining (includes the offshore oil/gas industry workforce)	10.8	9.0
Manufacturing	4.3	8.2
Percent government workers	22.6	24.2
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	33.9
Percent worked outside of county of residence	5.6	17.4

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons between those census years.

**Table 2. Fishing Infrastructure and Services Observed in Port Sulphur in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	--
Trawls	50-75
Skimmers	80-100
Butterfly	3-5
Crabbers	30-50
Oyster	10-20
Other Commercial	5-10
<b>Recreational Fishing Boats</b>	--
Freshwater	20-30
Saltwater	40-60
<b>Infrastructure and Services</b>	--
Marinas	3
Seafood Docks/Dealers	3
Commercial Ship/Boat Repair	1
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	1
Seafood Transport	5-10

**Table 3. Primary Fishing-related Businesses Listed for Port Sulphur in 2003**

None listed.

**Table 4. Port Sulphur Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	2,442,341	4,076,552

**Table 5. Port Sulphur License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
52	0	624	1,141
Total = 52		Average Number of Licenses per Household $624/1,222 = .5$	--
% Households Holding Commercial Permit or License: $52/1,222 = 4.2$			

Please reference Table 3.15-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.15.8 Venice (unincorporated, pop. 699)

**Location and Overview.** Venice is located on the west bank of the Mississippi River at the southern terminus of State Route 23 south of Boothville. The area is a popular point of departure for recreational and commercial fishery participants heading for the Gulf. The levees bordering the marsh areas along Highway 23 provide fishermen with quick access to many fresh and saltwater fishing locations, while the numerous canals and ponds attract bass fishermen. Venice hosted the 2003 National Bass Masters' tournament.

The local commercial fleet tends to focus on shrimp and crab, but offshore species are also taken in volume. The area is also a small support hub for the offshore oil industry. As there are rarely frosts this far south, citrus farming contributes to the local economy. A few tourist-related businesses are located in Venice.



**Skimmer-Rigged Vessels in Venice Boat Basin**

**Current Conditions and Trends.** Venice had a year 2000 population of 699 persons, down significantly from 1,003 persons in 1990. Informants assert that Venice has a strong focus on commercial fisheries, and cite the large volume of local shrimp landings and numerous residents involved in the fishing industry as evidence. Many residents fish commercially, at least on a part-time basis. No processor employment data were available for Venice. Lack of physical address data limits our ability to graphically depict the distribution of resident fishing families: Although we could prove physical residence for 12 state commercial license holders, 122 maintained post office boxes or were residing in the area in 2000. Five Gulf shrimp permit holders were operating from the area in 2003.

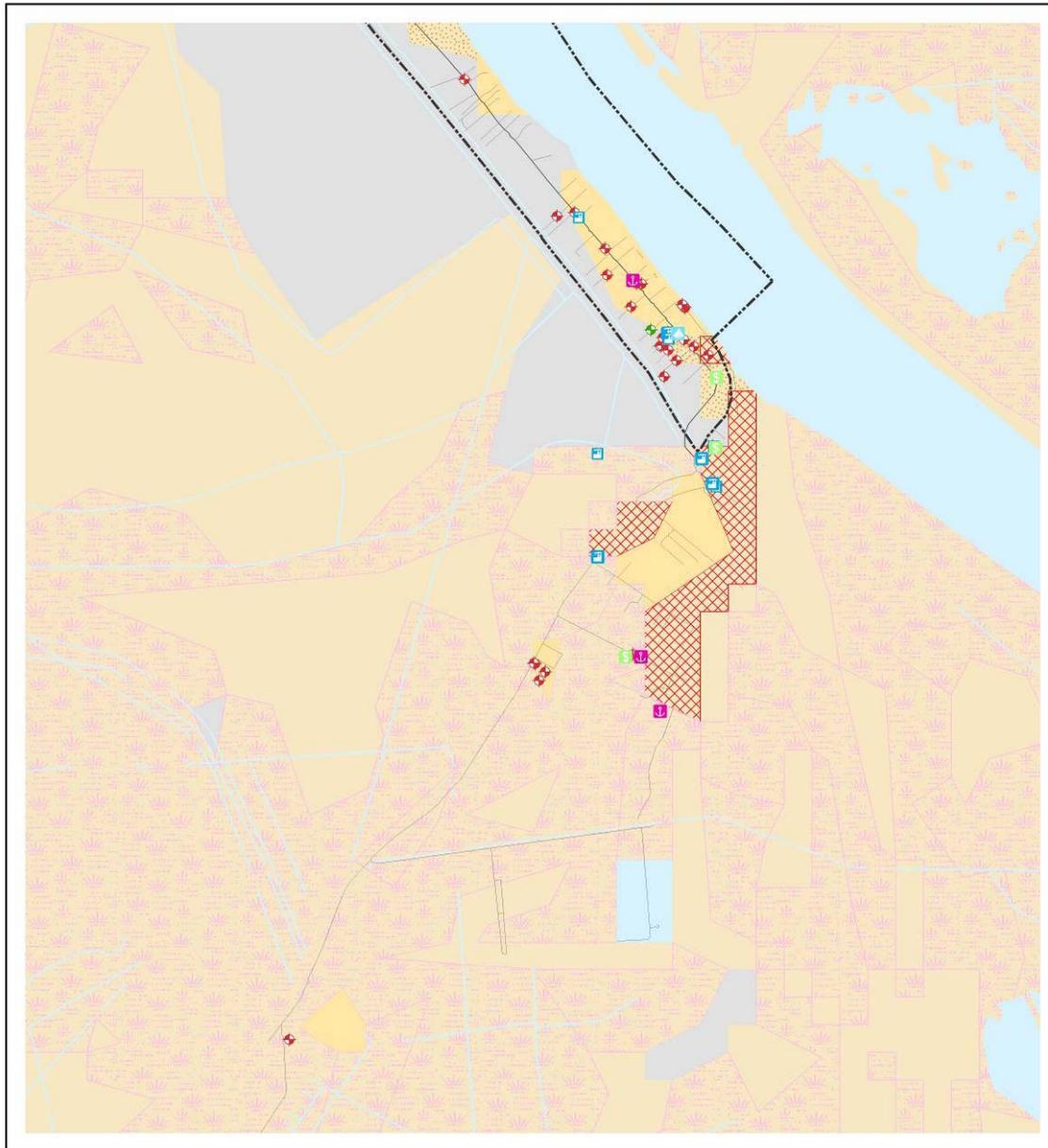
Despite apparent overall out-migration, numerous families of Vietnamese and Cambodian ancestry have moved to the area over the last decade. While many initially went into the fishing way of life, there has been an apparent shift among many new arrivals toward citrus farming.

Fishing infrastructure in Venice is extensive. There are several seafood dealers and docks, sale and repair facilities for commercial and recreational boats, bait shops, ice houses, boat launches, and several small marinas and marine suppliers. One of the marinas, the Cypress Cove Marina and Lodge, is a large facility offering boat storage, charter services, guided waterfowl hunting with air boat transportation, hotel, restaurant, and various support services essential for recreational fishing and hunting.

Marina owners suggest that commercial fishing activity has declined over the last several years, and that Venice residents seem to be increasingly focused on recreational fishing and oil field support. A local retail seafood dealer suggests that Louisiana's unpredictable weather and foreign shrimp imports are detrimentally affecting the local commercial fleet. Other informants suggest that the commercial fishing fleet is struggling in many ways, but that the involvement of the larger community in alternative industries, such as offshore oil field support and citrus, is keeping the local economy fairly dynamic. Moreover, the local fleets remain highly productive.



**Offshore Oil Support Facility in Venice**



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Venice Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,073	699
<b>Gender Ratio M/F (Number)</b>	545/528	377/322
<b>Age (Percent of total population)</b>		
Under 18 years of age	35.8	31.9
18 to 64 years of age	56.2	60.1
65 years and over	8.0	8.0
<b>Ethnicity or Race (Number)</b>		
White	930	582
Black or African American	71	55
American Indian and Alaskan Native	59	27
Asian	13	25
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	0	3
Two or more races	N/A	7
Hispanic or Latino (any race)	23	7
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	32.2	37.2
Percent high school graduate or higher	41.4	39.9
Percent with a Bachelor's degree or higher	2.8	3.6
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	6.7	9.4
Percent who speak English less than very well	0.6	2.5
<b>Household income (Median \$)</b>	17,717	33,750
<b>Poverty Status (Percent of population with income below poverty line)</b>	40.9	19.3
<b>Percent female headed household</b>	0	10.5
<b>Home Ownership (Number)</b>		
Owner occupied	283	223
Renter occupied	49	23
<b>Value Owner-occupied Housing (Median \$)</b>	49,200	35,600
<b>Monthly Contract Rent (Median \$)</b>	219	275
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	45.3	48.1
Percent of civilian labor force unemployed	5.6	6.6
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	7.1
Service occupations	N/A	15.7
Sales and office occupations	N/A	26.7
Farming, fishing, and forestry occupations	12.5	12.4
Construction, extraction, and maintenance occupations	N/A	18.1
Production, transportation, and material moving occupations	N/A	19.6
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting (and mining)	17.5	8.6
Mining (includes the offshore oil/gas industry workforce)	4.3	6.2
Manufacturing	5.2	9.0
Percent government workers	7.2	14.3
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	17.5	17.4
Percent worked outside of county of residence	0	5.2

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons between those census years.

**Table 2. Fishing Services and Infrastructure Observed in Venice in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	--
Trawls	150-200
Skimmers	150-200
Butterfly	5-10
Crabbers	100-200
Oyster	5-10
Other Commercial	10-20 (Oil Field)
<b>Recreational Fishing Boats</b>	-
Freshwater	10-20
Saltwater	300-400
<b>Infrastructure and Services</b>	-
Marinas	6
Seafood Docks/Dealers	10
Commercial Ship/Boat Repair	10
Commercial Ship/Boat Builders	5
Net Makers/Dealers	2
Commercial Marine Supply	4
Seafood Transport	12
Launch Ramp	numerous
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Venice in 2003**

Type of Business	Frequency
Boat Builder/Broker	2
Boat Builder/Broker; Marina	1
Boat Rentals & Pier	1
Marina	2
Seafood Dealer (Wholesaler)/ Retailer	1
Seafood Dealer (Wholesaler)	2
Total	9

**Table 4. Venice Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	4,734,324	5,635,142

**Table 5. Venice License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
12	0	181	1,774
Total = 12		Average Number of Licenses per Household: 181/1,774 = .1	--
% Households Holding Commercial Permit or License: 12/1,774 = .68			

Please reference Table 3.15-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.16 Rapides Parish Community

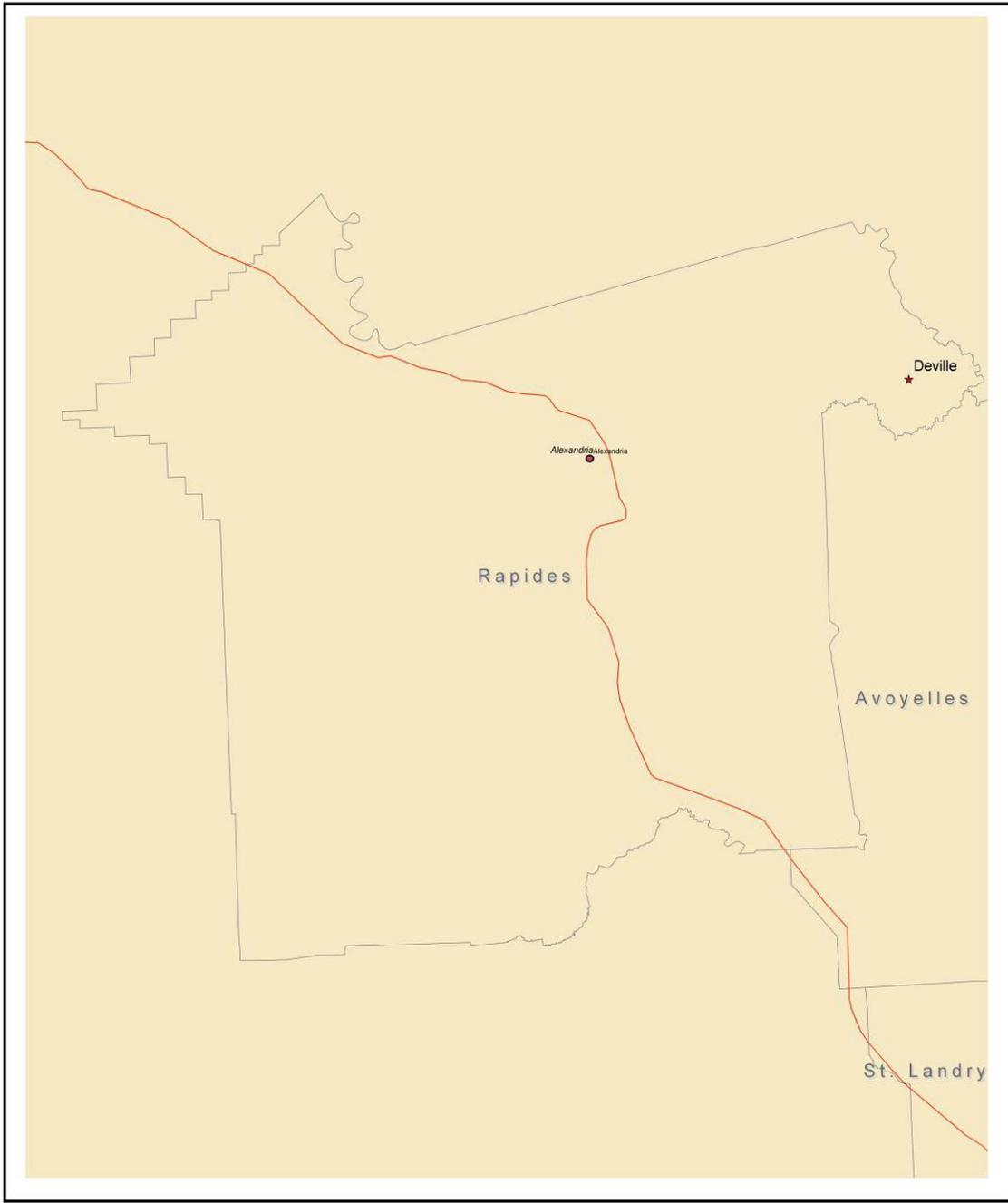
This section describes the study community of Deville in Rapides Parish. Rapides is the geographic center of Louisiana. As part of the Greater Alexandria MSA, it is the second most populous parish in Louisiana. The year 2000 population was 126,337 persons, down 5,219 residents from 1990. Alexandria, the parish seat, had a year 2000 population of 46,342 persons. The racial composition of the population that year was 67 percent Caucasian, 30 percent African American, one percent American Indian/Alaskan Native, one percent Asian, and a little more than one percent Hispanic/Latino.

Rapides Parish takes its name from the rapids of nearby Red River. British settlers began arriving in the early 18<sup>th</sup> century. Cattle-ranching was historically important, as was cotton production. In 2002, health care and social assistance was the largest of 20 major economic sectors. Agriculture is also important, with cotton, sugarcane, soybeans, and corn representing the primary crops. The median family income in 2000 was \$29,389, somewhat below the state median of just over \$33,000, and some 21 percent of persons in the parish were living in poverty.

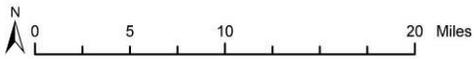
**Table 3.16-1 Year 2000 Permits and Licenses, and 2003 Gulf Shrimp Permits: Rapides Parish\***

Permit Type	Study Communities
	Deville
Pelagic Charter	--
Reef Fish Charter	--
Swordfish	--
King Mackerel	--
Rock Shrimp	--
Red Snapper	--
Spiny Lobster	--
Spanish Mackerel	--
Gulf Reef Fish	--
Shark	--
South Atlantic Snapper Grouper	--
Total Permits 2000	--
Total Permit Holders 2000	--
Total State License Holders 2000	11
Shrimp Permits 2003 **	--

\* Includes all permits and licenses that can be attributed to the communities by *both* street and post office box addresses; these data are used to generate counts of permit and license holders for whom evidence indicates actual residence, as provided in the community descriptions. \*\* 2003 is the first year for which Gulf shrimp permit data are available.



**Rapides Parish**



- ★ Study Communities
- Seafood Processor and Dealer
- Seafood Dealer
- Seafood Processor
- Reference Cities
- Reef
- ⚓ Wreck
- ▲ Platform
- Interstate

### 3.16.1 Deville (unincorporated, pop. 1,007)

***Location and Overview.*** Deville is located at the intersection of Highways 115 and 1207, in the “Piney Woods” area of Rapides Parish. The area is noted for its hunting, fishing, camping, and hiking. Catahoula Lake offers the closest freshwater access. Only slightly farther afield and to the east is the Dewey W. Willis Wildlife Management Area. Camp Beauregard Military Reservation lies to the west.

***Current Conditions and Trends.*** Deville had a year 2000 population of 1,007 persons, a slight decrease in population from 1990. Deville is hundreds of miles from any marine fishery. Recreational freshwater fishing is a popular pastime for Deville residents, however, and there is a small freshwater commercial fleet based here. Other than a local gas station that sells bait for catching crawfish and catfish that abound in the brackish waters of the Red River floodplain, there is little support service or infrastructure for anglers. All reported landings for Deville residents in year 2000 are freshwater fishes.



**Closed Drive-In Outside of Deville**



**Table 1. Deville Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,113	1,007
<b>Gender Ratio M/F (Number)</b>	552/561	485/522
<b>Age (Percent of total population)</b>		
Under 18 years of age	31.3	30.2
18 to 64 years of age	60.4	59.4
65 years and over	8.3	10.4
<b>Ethnicity or Race (Number)</b>		
White	1,106	983
Black or African American	0	1
American Indian and Alaskan Native	3	11
Asian	4	0
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	0	0
Two or more races	N/A	12
Hispanic or Latino (any race)	0	1
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	9.6	15.4
Percent high school graduate or higher	73.5	59.2
Percent with a Bachelor's degree or higher	5.9	8.0
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	3.5	3.2
And Percent who speak English less than very well	0.7	1.6
<b>Household income (Median \$)</b>	27,933	21,700
<b>Poverty Status (Percent of population with income below poverty line)</b>	13.7	17.1
<b>Percent female headed household</b>	6.7	7.4
<b>Home Ownership (Number)</b>		
Owner occupied	316	317
Renter occupied	42	46
<b>Value Owner-occupied Housing (Median \$)</b>	42,900	66,000
<b>Monthly Contract Rent (Median \$)</b>	208	275
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	47.6	57.3
Percent of civilian labor force unemployed	4.9	1.9
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	23.2
Service occupations	N/A	24.4
Sales and office occupations	N/A	17.9
Farming, fishing, and forestry occupations	7.6	0
Construction, extraction, and maintenance occupations	N/A	15.1
Production, transportation, and material moving occupations	N/A	19.3
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	10.4	0.0
Mining (includes the offshore oil/gas industry workforce)	1.9	2.5
Manufacturing	4.1	7.0
Percent government workers	27.3	33.1
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	30.7
Percent worked outside of county of residence	8.7	10.5

\*\* Differences in the types of data the US Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Deville in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	0
Skimmers	0
Butterfly	0
Crabbers	0
Oyster	0
Other Commercial	0
<b>Recreational Fishing Boats</b>	-
Freshwater	15-20
Saltwater	0
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	0
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	0
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Deville in 2003**

Type of Business	Frequency
Marina	1
Total	1

**Table 4. Deville Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	264,955	42,082

**Table 5. Deville License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
3	0	196	99
Total = 3		Average Number of Licenses per Household: 196/363 = .5	--
% Households Holding Commercial Permit or License: 3/363 = .8			

Please reference Table 3.15-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.17 St. Bernard Parish Communities

This section describes the St. Bernard Parish study communities. These are Arabi, Chalmette, Delacroix, Meraux, St. Bernard, Violet, and Yscloskey.

St. Bernard is a water-bound parish located east and southeast of New Orleans. Its deltaic estuaries and cheniers radiate eastward into the shallows of the Gulf of Mexico. Parish boundaries contain the western portion of the Mississippi Sound, the Chandeleur Islands and Sound, and northern portions of Breton Sound. Plaquemines Parish is south and west, and Orleans Parish is to the west. St. Bernard State Park, Jean Lafitte Natural Historical Park, the Biloxi Wildlife Management Area, and the Breton Waterfowl Refuge are all located in the parish (Goins and Caldwell 1995:8).

St. Bernard Parish was officially established in 1807, as part of the District of New Orleans. Residents lived subsistence-oriented lifestyles through much of the nineteenth and part of twentieth centuries, though sugar plantations and associated employment were also common.

With only 465 square miles of low-lying land amidst 1,329 square miles of water, agriculture and other land-based industry can take place only along the cheniers. Nonetheless, the soils that are extant are quite arable, and the parish has long been noted for production of sugar, hay, potatoes, vegetables, corn, rice, and oranges.

The contemporary economy of the parish is based primarily in oil and gas production and related services, with more limited agriculture, fishing, and trapping (Wilds et al. 1996:275). Chalmette Refining is located in the parish, producing 182,500 barrels daily. As of 2001, there were approximately 1,400 operational oil wells in St. Bernard Parish (Louisiana Mid-Continent Oil and Gas Association 2001).

The St. Bernard area remains productive for fish and shellfish. Between 1985 and 1989, marine fisheries production here constituted five percent of the state's total (Goins and Caldwell 1995:83).

Tourism is increasingly important, benefiting, in part, from close proximity to New Orleans. As of 2000, tourist expenditures to St. Bernard Parish totaled nearly \$32.3 million, representing a 6.3 percent increase from 1999 (LEAP 1999:2).

Interstate 510 serves parish motorists, as do State Highways 39, 46, and 47. The nearest major airport is in New Orleans, 20 miles from Chalmette. The St. Bernard Parish Port maintains a main channel depth of 45 feet and is a Foreign Trade Zone.

The year 2000 population of St. Bernard Parish was 67,229 persons, making it the 18<sup>th</sup> most populous parish in Louisiana that year. Chalmette is the parish seat, with a year 2000 population of 31,860 persons.

The year 2000 population of St. Bernard Parish was 88 percent Caucasian, eight percent African American, and five percent Hispanic. Median family income in 1990 was \$40,607. This figure exceeded the state median by more than ten percent. Parish-wide earnings are presented below as an indicator of recent economic conditions in the area.

**Table 3.17-1 Earnings in St. Bernard Parish: 1990-2000**

Industry	Earnings (Constant 2000 \$1000s)		Percent Share of 2000 Earnings	\$ Change 1990-2000
	1990	2000		
<b>Earnings</b>	460,175	563,216	100.0	103,041
<b>Farm earnings</b>	934	395	0.1	-540
<b>Ag. services, frstry, fish.</b>	4,687	5,149	0.9	463
Fishing	4,014	3,563	0.6	-451
<b>Mining</b>	9,274	6,091	1.1	-3,183
Oil and gas extraction	9,274	--	--	--
<b>Construction</b>	32,031	52,267	9.3	20,236
Special trade contractors	19,268	32,665	5.8	13,397
<b>Manufacturing</b>	124,379	116,222	20.6	-8,157
Fabricated metal products	4,264	10,495	1.9	6,231
Industrial mach. & equip.	1,845	2,064	0.4	219
Food and kindred	--	--	--	--
Chemicals and allied	0	--	--	--
Petroleum and coal	76,749	78,847	14.0	2,098
<b>Transportation, public utilities</b>	28,914	39,885	7.1	10,971
Trucking and warehousing	4,075	8,476	1.5	4,401
Water transportation	11,003	16,757	3.0	5,754
Transportation by air	--	--	--	--
<b>Wholesale trade</b>	11,620	17,625	3.1	6,004
<b>Retail trade</b>	55,334	66,170	11.7	10,837
Eating and drinking places	10,240	15,743	2.8	5,503
<b>Fin., insurance, and real estate</b>	13,287	17,788	3.2	4,501
<b>Services</b>	100,175	145,776	25.9	45,600
Business services	10,040	12,021	2.1	1,981
Health services	46,551	75,179	13.3	28,628
Legal services	5,040	4,363	0.8	-677
Engineer. & mngmt. serv.	5,871	5,252	0.9	-620
<b>Government</b>	79,538	95,847	17.0	16,309

Source: Bureau of Economic Analysis, Regional Economic Information System

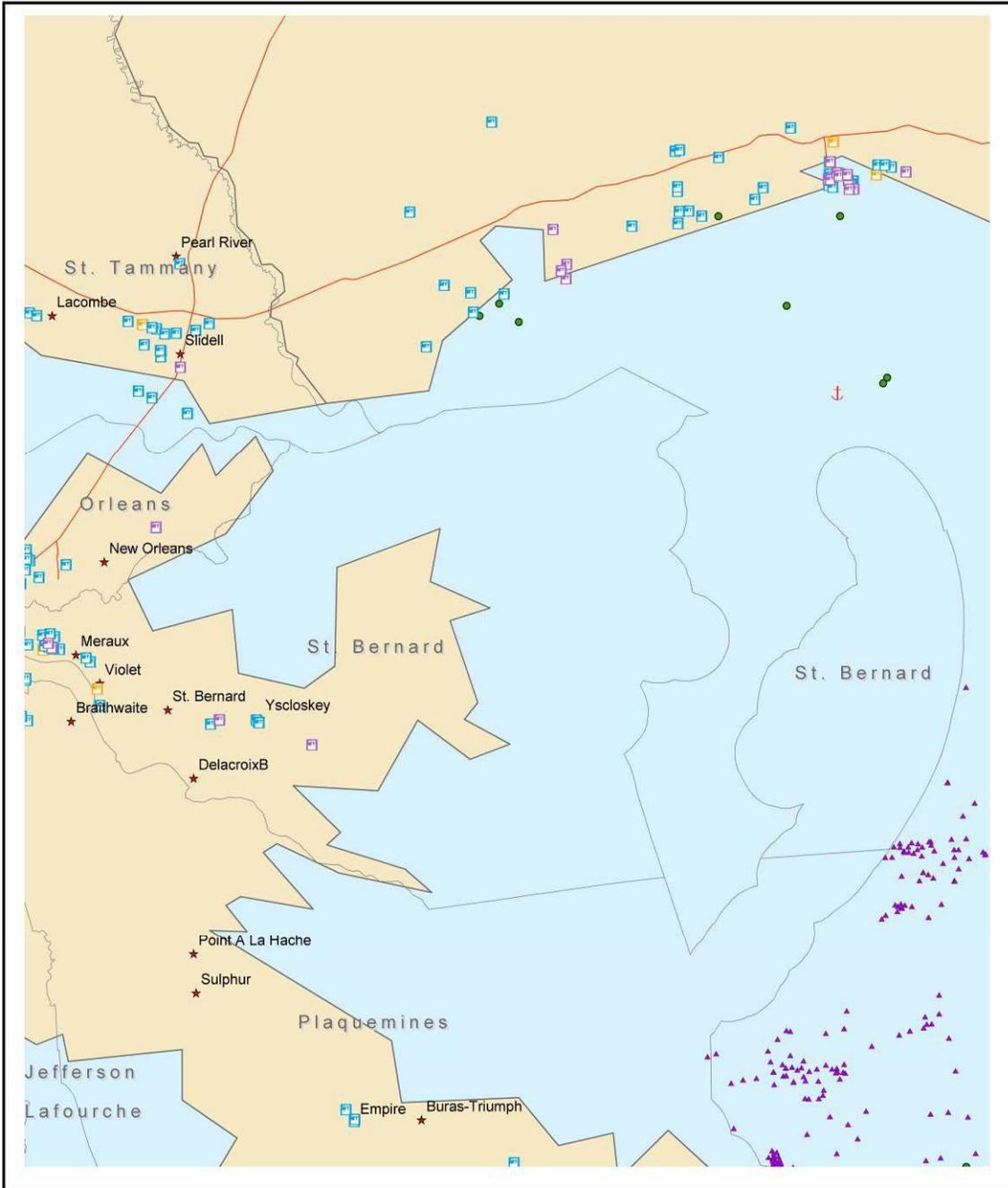
**Table 3.17-2 Year 2000 Permits and Licenses, and 2003 Gulf Shrimp Permits: St. Bernard Parish\***

Permit Type	Study Communities						
	Arabi	Chalmette	Delacroix	Meraux	St. Bernard	Violet	Yscloskey
Pelagic Charter	1	--	--	--	--	--	--
Reef Fish Charter	1	--	--	--	--	--	--
Swordfish	--	2	--	--	--	--	--
King Mackerel	--	--	--	--	--	--	--
Rock Shrimp	--	--	--	--	--	--	--
Red Snapper	--	--	--	--	--	--	--
Spiny Lobster	--	--	--	--	--	--	--
Spanish Mackerel	--	--	--	--	--	--	--
Gulf Reef Fish	--	--	--	--	--	--	--
Shark	--	2	--	--	--	--	--
South Atlantic Snapper Grouper	1	--	--	--	--	--	--
Total Permits 2000	3	4	--	--	--	--	--
Total Permit Holders 2000	1	2	--	--	--	--	--
Total State License Holders 2000	14	83	--	46	325	108	--
Shrimp Permits 2003 **	--	3	--	--	1	--	--

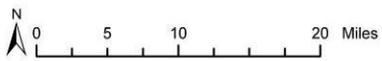
\* Includes all permits and licenses that can be attributed to the communities by *both* street and post office box addresses; these data are used to generate counts of permit and license holders for whom evidence indicates actual residence, as provided in the community descriptions. Delacroix and Yscloskey are exceptional cases – see narrative. \*\* 2003 is the first year for which Gulf shrimp permit data are available.



**Harbor in Chalmette, 2003**



**St. Bernard Parish**



- ★ Study Communities
- Seafood Processor and Dealer
- Seafood Dealer
- Seafood Processor
- Reference Cities
- Reef
- ∇ Wreck
- ▲ Platform
- Interstate

### 3.7.1 Arabi (unincorporated, pop. 8,093)

**Location and Overview.** Arabi is located along St. Bernard Highway (Highway 46), just east of New Orleans, and is, essentially, an eastern extension of that city. The Mississippi River is immediately south. Judge Perez Drive (Highway 39) bisects the town. Arabi's retail sector benefits from its proximity to nearby fishing areas in Plaquemines and St. Bernard Parishes.

**History.** The Arabi area was originally settled by *Isleños* -- Spanish-speaking families who migrated from the Canary Islands, during the period when Spain controlled Louisiana (between 1778 and 1803). Fishing was a vital part of life in the early years of this settlement.

**Current Conditions and Trends.** Arabi had a year 2000 population of 8,093 persons, down 694 persons from the 1990 count. Numerous Arabi-area residents engage in freshwater recreational angling at Lake Borgne and Lake Pontchartrain. The Bayou Bienvenue area to the north is also popular. A small number of active state commercial license holders were living here in 2000. Oysters were the primary species landed in that year, with smaller quantities of shrimp and crab. Three seafood dealers and one boat repair business operate in Arabi. A boat launch and bait and ice store retailer serve resident anglers.



Arabi Restaurant



**Table 1. Arabi Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	8,787	8,093
<b>Gender Ratio M/F (Number)</b>	4,040/4,747	3,782/4,311
<b>Age (Percent of total population)</b>		
Under 18 years of age	17.5	18.0
18 to 64 years of age	58.9	54.5
65 years and over	23.6	27.5
<b>Ethnicity or Race (Number)</b>		
White	8,610	7,760
Black or African American	43	72
American Indian and Alaskan Native	28	25
Asian	67	66
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	39	73
Two or more races	N/A	97
Hispanic or Latino (any race)	404	413
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	16.3	9.3
Percent high school graduate or higher	66.2	74.7
Percent with a Bachelor's degree or higher	9.1	12.1
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	7.4	8.2
Percent who speak English less than very well	1.3	3.0
<b>Household income (Median \$)</b>	25,736	33,937
<b>Poverty Status (Percent of population with income below poverty line)</b>	9.8	9.9
<b>Percent female headed household</b>	11.6	11.9
<b>Home Ownership (Number)</b>		
Owner occupied	2,703	2,723
Renter occupied	772	751
<b>Value Owner-occupied Housing (Median \$)</b>	60,500	77,900
<b>Monthly Contract Rent (Median \$)</b>	285	481
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	52.5	51.6
Percent of civilian labor force unemployed	7.1	3.4
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	23.4
Service occupations	N/A	9.9
Sales and office occupations	N/A	37.9
Farming, fishing, and forestry occupations	0.1	0.0
Construction, extraction, and maintenance occupations	N/A	14.3
Production, transportation, and material moving occupations	N/A	14.5
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	2.8	0.0
Mining (includes the offshore oil/gas industry workforce)	0.6	0.7
Manufacturing	12.0	8.4
Percent government workers	15.6	12.0
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	28.9
Percent worked outside of county of residence	66.9	65.3

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Arabi in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	Less than 5
Skimmers	5-10
Butterfly	Less than 5
Crabbers	5-10
Oyster	None seen
Other Commercial	0
<b>Recreational Fishing Boats</b>	-
Freshwater	50-100
Saltwater	10-20
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	3
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	1
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Arabi in 2003**

Type of Business	Frequency
Boat Builder/Broker	1
Boat Rentals & Pier	2
Processor	1
Seafood Retailer	3
Total	7

**Table 4. Arabi Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	203,608	389,431

**Table 5. Arabi License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
14	1	865	24
Total = 15		Average Number of Licenses per Household: 865/3,474 = .2	--
% Households Holding Commercial Permit or License: 15/3,474 = .4			

Please reference Table 3.17-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

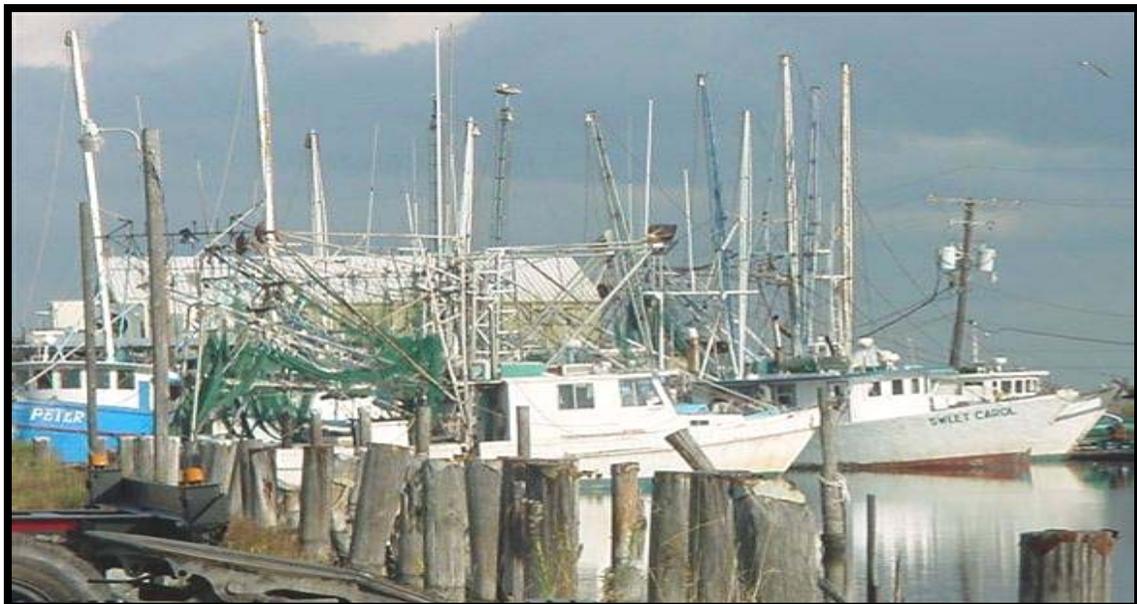
### 3.17.2 Chalmette (unincorporated, pop. 32,069)

**Location and Overview.** Chalmette is located just five miles south of New Orleans along Highway 39, and adjacent to Lake Borgne. The city is part of the New Orleans Metropolitan area. It is also the parish seat and its largest city. Chalmette offers many points of historical and cultural interest. For example, the Jean Lafitte National Historical Park-Chalmette Unit is located here. This is the site of the historic battleground of the Battle of New Orleans (1815). The Chalmette National Cemetery is also located here, as is the Isleño Museum.

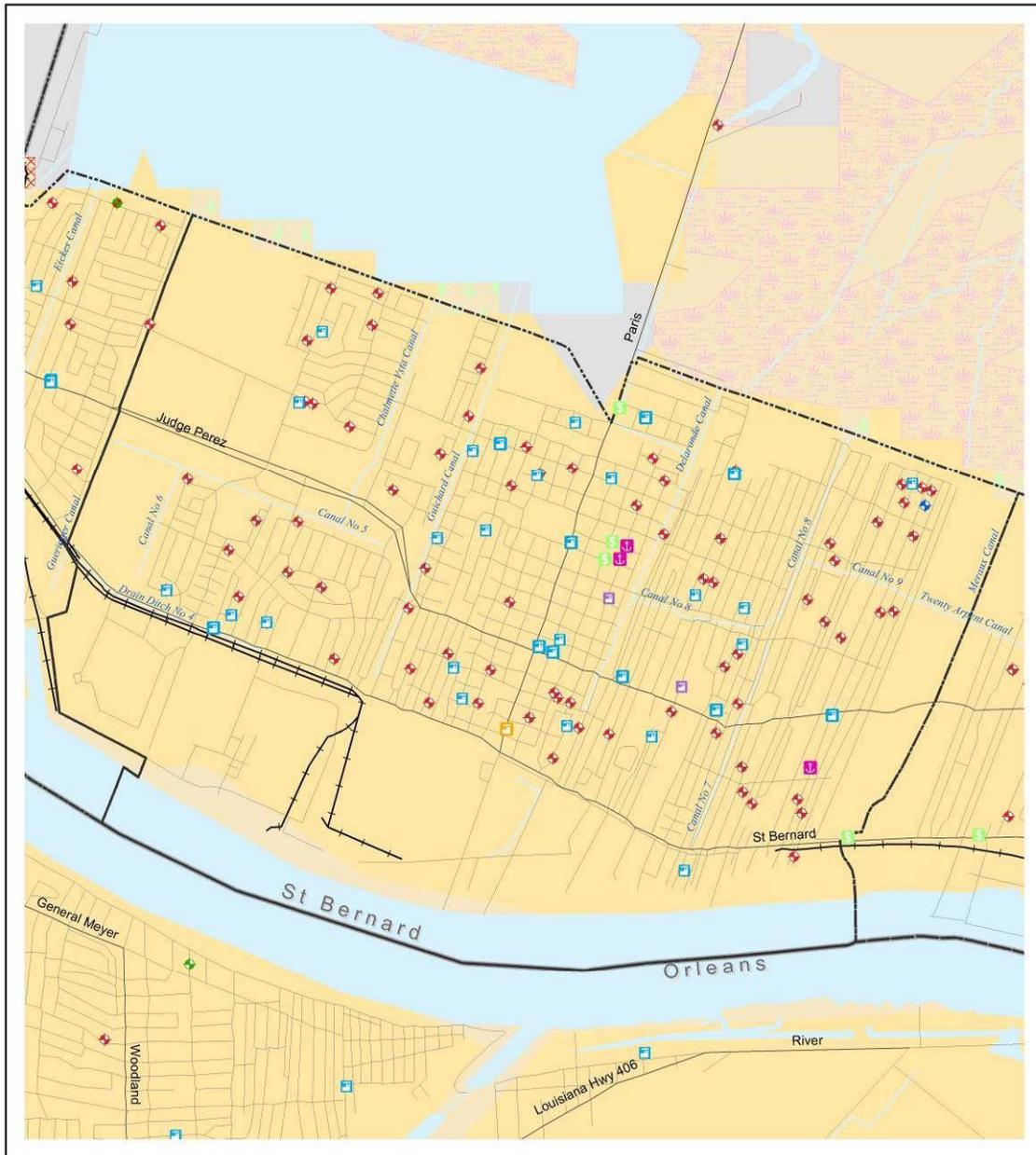
**Current Conditions and Trends.** Chalmette had a year 2000 population of 32,069 persons, up from 31,860 in 1990. The economy here is as diverse as similar small cities of its size in coastal Louisiana, though perhaps more so given its close proximity to New Orleans. While many boat owners who dock here actually live in New Orleans, numerous residents and visitors fish recreationally, and informants indicated that numerous recreational boat sales and repairs take place here.

There is also a locally-based commercial fishery in Chalmette. Shrimp, oysters, and crab are the main species harvested. A local processor employed an average of two persons in 1990; no other processor data were available.

Some informants and fishery participants asserted that the commercial fishery sector is in decline. For instance, a small retail business owner and employer claimed that sales had been hurt by stiff competition from middle-sized companies in the region, and he was increasingly marketing services toward sports and recreational anglers. A local boat builder, in business since 1985, asserted that the once-profitable commercial fishing industry hit its prime in the 1980s; few commercial operators now use his services. Businesses serving both recreational and commercial fishing sectors appear to be more successful in the current climate than those focusing on the commercial fleet only.



Chalmette Boat Basin



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Chalmette Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	31,860	32,069
<b>Gender Ratio M/F (Number)</b>	15,379/16,481	15,593/16,476
<b>Age (Percent of total population)</b>		
Under 18 years of age	25.9	23.7
18 to 64 years of age	62.4	62.0
65 years and over	11.7	14.3
<b>Ethnicity or Race (Number)</b>		
White	31,143	29,725
Black or African American	92	765
American Indian and Alaskan Native	98	140
Asian	359	578
Native Hawaiian and other Pacific Islander	N/A	10
Some other race	168	304
Two or more races	N/A	547
Hispanic or Latino (any race)	1,572	1,543
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	12.2	8.5
Percent high school graduate or higher	70.5	76.0
Percent with a Bachelor's degree or higher	8.7	10.0
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	5.5	7.7
Percent who speak English less than very well	2.0	3.0
<b>Household income (Median \$)</b>	26,657	36,699
<b>Poverty Status (Percent of population with income below poverty line)</b>	12.7	12.0
<b>Percent female headed household</b>	13.0	14.7
<b>Home Ownership (Number)</b>		
Owner occupied	7,976	8,463
Renter occupied	3,485	3,858
<b>Value Owner-occupied Housing (Median \$)</b>	66,600	89,600
<b>Monthly Contract Rent (Median \$)</b>	306	511
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	62.0	60.6
Percent of civilian labor force unemployed	7.4	5.4
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	25.1
Service occupations	N/A	14.1
Sales and office occupations	N/A	32.3
Farming, fishing, and forestry occupations	0.6	0.3
Construction, extraction, and maintenance occupations	N/A	14.2
Production, transportation, and material moving occupations	N/A	14.0
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	0.6	0.5
Mining (includes the offshore oil/gas industry workforce)	1.4	0.6
Manufacturing	13.2	10.4
Percent government workers	13.1	13.4
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	18.1
Percent worked outside of county of residence	63.2	60.4

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Chalmette in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
<b>Trawls</b>	30-40
Skimmers	30-40
Butterfly	15-20
Crabbers	30-50
Oyster	5
Other Commercial	0
<b>Recreational Fishing Boats</b>	-
Freshwater	30-50
Saltwater	30-50
<b>Infrastructure and Services</b>	-
Marinas	3
Seafood Docks/Dealers	3
Commercial Ship/Boat Repair	2
Commercial Ship/Boat Builders	2
Net Makers/Dealers	2
Commercial Marine Supply	2
Seafood Transport	8
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Chalmette in 2003**

Type of Business	Frequency
Boat Builder/Broker	2
Boat Builder/Broker; Marina	1
Marina	2
Processor	1
Processor; Seafood Dealer (Wholesaler)	1
Seafood Retailer	9
Seafood Dealer (Wholesaler)	1
Total	17

**Table 4. Chalmette Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	1,713,037	2,918,693

**Table 5. Chalmette License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
79	2	3,798	4,907
Total = 81		Average Number of Licenses per Household: 3,798/12,321 = .3	--
% Households Holding Commercial Permit or License: 81/12,321 = .7			

Please reference Table 3.17-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.17.3 Delacroix (unincorporated, pop. 1,342)

**Location and Overview.** Delacroix is located along rural and isolated Highway 300, roughly 90 minutes southeast of New Orleans. It is composed largely of the temporary residences and weekend camps of commercial and recreational fishery participants. There are fewer permanent residences. All residences and moorings are along the east bank of Bayou Terre aux Boeufs. Numerous vessels are moored along the docks and piers in the area. With an intricate network of waterways that provides access to Lake Lery, Black Bay, and Breton Sound, Delacroix is an ideal location for fishing operations. Remote addressing precludes attribution of landings data to Delacroix captains specifically. But there is extensive fishing activity in the area. For instance, National Marine Fisheries Service (2001) reports that year 2000 commercial landings at the port designated as Delacroix-Yscloskey were the 45<sup>th</sup> highest of major U.S. ports in terms of quantity, and 36<sup>th</sup> highest in terms of value that year.

Vessels in this area tend to be small to medium in size and equipped with skimmer rigs and crab pots. Inshore fishing is common. There are no civic or social services in Delacroix, and only one marina. This facility also provides fuel, bait, ice, and sundry items.

Delacroix appears to be in some degree of economic decline. In fact, many of what appear to have been thriving businesses and schools are now closed, and numerous homes appear to be abandoned. The seasonal “camp” nature of Delacroix, its lack of a local post office and other services, and apparently common outlying residence patterns have rendered secondary source fisheries data unavailable.

**History.** The rich natural resources of the St. Bernard area enabled the early *Isleno* residents to thrive as farmers, fishermen, and trappers. The natural levee of Bayou Terre aux Boeufs, upon which early settlers located, became known as Delacroix Island. Isolated from the urban settlement patterns of the greater New Orleans area, Delacroix has maintained a rural fishing-oriented identity over time.

**Current Conditions and Trends.** According to year 2000 census data, Delacroix was then home to 1,342 persons, down from 1,631 in 1990. As noted above, however, there appear to be insufficient numbers of permanent residences to support this population, and, as such, we surmise that the census boundaries include extensive surrounding rural areas.

Commercial fishing is the core of social and economic activity at Delacroix, and there are many commercial boats moored in the area. There is also much non-commercial fishing activity here (both recreational and subsistence-oriented), and informants suggest that many of the camps along Highway 300 are increasingly occupied by recreational/subsistence anglers from nearby New Orleans. Informants also suggest that it is becoming more difficult to earn a living in marine fisheries in the region without supplementing income with a second job, and that many area shrimpers also work at processing plants in Chalmette.

Some interviewees report that recreational fishing is gradually replacing commercial fishing in terms of economic importance. Nevertheless, many restaurants and marketplaces in and around New Orleans depend on the Delacroix fleet for their supply of crab.

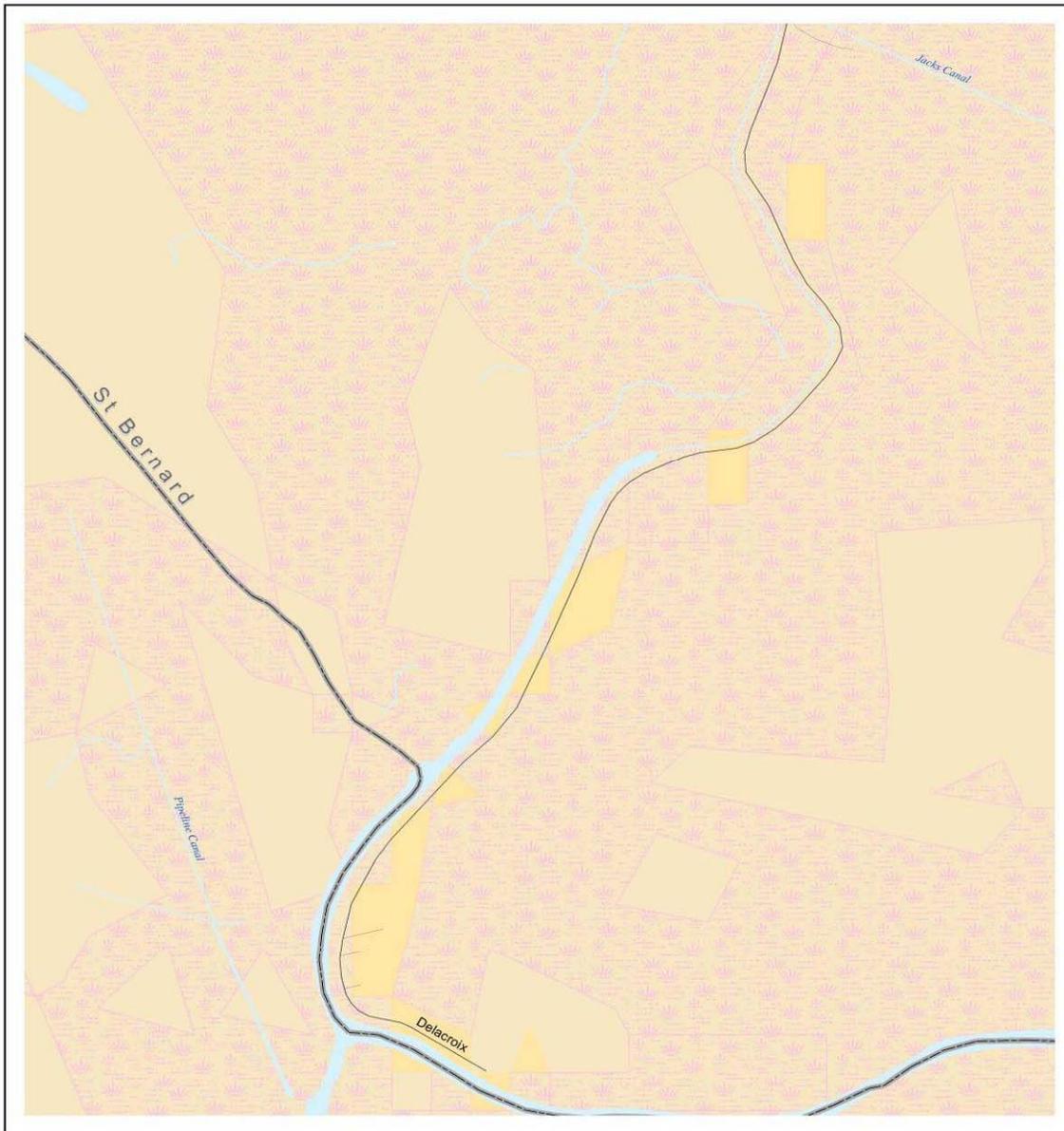
According to one local resident, recreational/subsistence fishing has become an important activity for both local fisherman as well as fisherman from surrounding communities. A few charter and guide operations are based in Delacroix. Species most commonly sought are speckled trout, red drum, flounder, sheepshead, bass, red snapper, and shark. Commercial vessels typically trawl for brown and white shrimp. Buyers situated at three docks in Delacroix tend to purchase and resell oysters and shrimp.



**Typical Small Crab Vessels at Delacroix in 2004**



**Crab Pots and Boats along the Rural Route 300 at Delacroix in 2004**



### Delacroix

Projection: Alber's Equal Area, NAD83  
Data Sources: See Metadata Report  
Printed: May 2004

<p><b>Transportation:</b></p> <ul style="list-style-type: none"> <li>Highway</li> <li>Major Rd.</li> <li>Residential</li> <li>Railroad</li> </ul> <p><b>Boundaries:</b></p> <ul style="list-style-type: none"> <li>River/Stream</li> <li>Ocean/Lake</li> <li>County</li> <li>Municipal</li> </ul> <p><b>Marine Features:</b></p> <ul style="list-style-type: none"> <li>Platform</li> <li>Reef</li> <li>Wreck</li> </ul>	<p><b>Land Use:</b></p> <ul style="list-style-type: none"> <li>Forest</li> <li>Wetland</li> <li>Reservoir</li> <li>Agriculture</li> <li>Residential</li> <li>Other Urban</li> <li>Scrub/Shrub</li> <li>Sand</li> <li>Barren Land</li> </ul>	<ul style="list-style-type: none"> <li>Salt Flat</li> <li>Transportation</li> <li>Industrial/Commercial</li> <li>Feeding Operation</li> <li>Commercial/Service</li> </ul> <p><b>License/Permit Types:</b></p> <ul style="list-style-type: none"> <li>State Commercial</li> <li>Federal</li> <li>Federal/State</li> <li>Federal/Federal Charter</li> <li>Federal/Federal Charter/State</li> </ul>	<p><b>Fishing Businesses:</b></p> <ul style="list-style-type: none"> <li>Aquaculture</li> <li>Boat Dealer/Broker</li> <li>Fish Hatchery</li> <li>Fishing Tackle/Dive Equipment</li> <li>Headboat Operation</li> <li>Marine Electronics Retail</li> <li>Marina/Boatyard</li> <li>Pier/Boat Rentals</li> <li>Seafood Processor</li> <li>Seafood Dealer</li> <li>Seafood Processor and Dealer</li> <li>Post Office</li> </ul>
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Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only. Remote addressing means no secondary source permit, license, or infrastructure data are available to support spatial depiction/analysis of fishing in the Delacroix area.

**Table 1. Delacroix Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,631	1,342
<b>Gender Ratio M/F (Number)</b>	767/864	665/677
<b>Age (Percent of total population)</b>		
Under 18 years of age	24.8	22.8
18 to 64 years of age	60.5	58.2
65 years and over	14.7	19.0
<b>Ethnicity or Race (Number)</b>		
White	1,478	1,196
Black or African American	134	118
American Indian and Alaskan Native	2	4
Asian	0	2
Native Hawaiian and other Pacific Islander	N/A	1
Some other race	17	8
Two or more races	N/A	13
Hispanic or Latino (any race)	494	236
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	31.8	26.6
Percent high school graduate or higher	47.0	56.2
Percent with a Bachelor's degree or higher	3.3	1.4
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	7.2	7.0
Percent who speak English less than very well	3.8	2.5
<b>Household income (Median \$)</b>	14,436	23,566
<b>Poverty Status (Percent of population with income below poverty line)</b>	20.6	26.5
<b>Percent female headed household</b>	14.2	12.6
<b>Home Ownership (Number)</b>		
Owner occupied	488	388
Renter occupied	58	77
<b>Value Owner-occupied Housing (Median \$)</b>	46,600	59,600
<b>Monthly Contract Rent (Median \$)</b>	196	454
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	44.2	36.9
Percent of civilian labor force unemployed	13.9	8.7
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	14.0
Service occupations	N/A	17.7
Sales and office occupations	N/A	25.9
Farming, fishing, and forestry occupations	7.2	16.3
Construction, extraction, and maintenance occupations	N/A	8.1
Production, transportation, and material moving occupations	N/A	17.7
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	1.6	2.1
Mining (includes the offshore oil/gas industry workforce)	11.9	12.2
Manufacturing	12.0	8.7
Percent government workers	11.3	15.4
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	39.1	27.7
Percent worked outside of county of residence	43.6	28.8

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Delacroix in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	30-50
Skimmers	75-100
Butterfly	5
Crabbers	75-100
Oyster	1
Other Commercial	20-30
<b>Recreational Fishing Boats</b>	-
Freshwater	5-10
Saltwater	10-20
<b>Infrastructure and Services</b>	-
Marinas	1
Seafood Docks/Dealers	1
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	1
Seafood Transport	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Delacroix in 2003**

Business information is not attributable to Delacroix, given remote postal arrangements.

**Table 4. Delacroix Commercial Landings and Value Summary: 2000** (based on all address fields)

No data available.

**Table 5. Delacroix License/Permit Summary: 2000**

No data available.

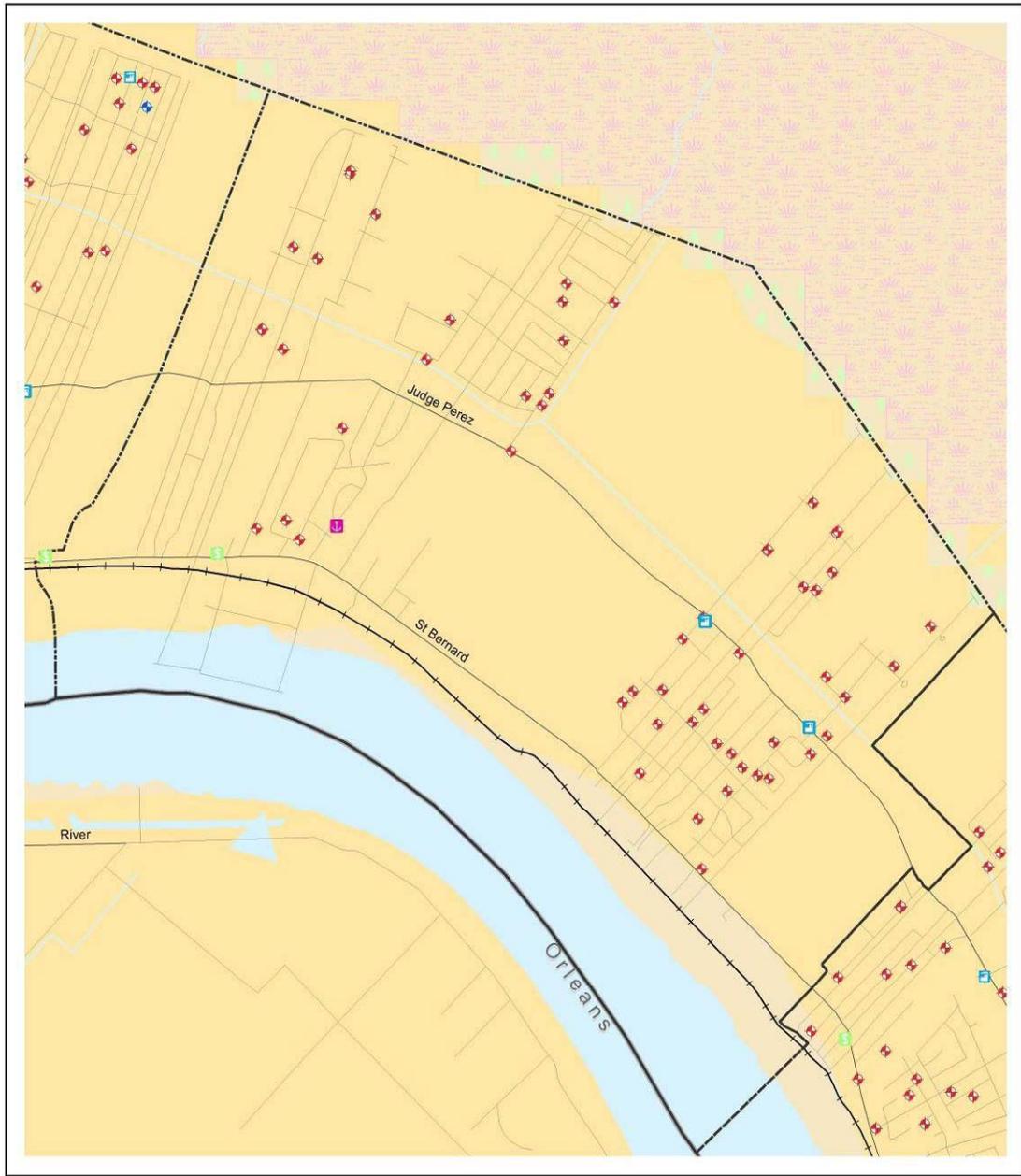
### 3.17.4 Meraux (unincorporated, pop. 36,165)

**Location and Overview.** Meraux is located along Highways 46 and 39, adjacent to Chalmette and Arabi, on the eastern outskirts of New Orleans. This working class community is noted for its *Isleño* culture. Petrochemical and processing plants in the area offer steady employment for Meraux residents. Recreational fishermen have access to Lake Borgne and Lake Pontchartrain, via Bayou Bienvenue in nearby Chalmette. Meraux celebrates its regional heritage at its annual “Louisiana Shrimp Festival” each September.



**Suburban Subdivision in Meraux**

**Current Conditions and Trends.** This growing area had a year 2000 population of 10,192 persons; an increase of 1,343 residents over 1990. Meraux has small but active commercial oyster, crab, and shrimp fleets. Numerous residents fish recreationally. A bait shop, boat repair facility, retail boat store, retail seafood outlet, and marine supply stores are available to meet the needs of area anglers. One informant suggested that a number of former Meraux shrimpers now work at the area’s petrochemical and processing plants. However, while local processors employed an average of two persons in 1990, more were employed in this sector in 2000 [undisclosed].



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Meraux Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	8,849	10,192
<b>Gender Ratio M/F (Number)</b>	4,314/4,535	4,860/5,332
<b>Age (Percent of total population)</b>		
Under 18 years of age	31.0	27.4
18 to 64 years of age	63.4	62.9
65 years and over	5.6	9.7
<b>Ethnicity or Race (Number)</b>		
White	8,262	9,449
Black or African American	384	373
American Indian and Alaskan Native	63	48
Asian	110	166
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	30	34
Two or more races	N/A	122
Hispanic or Latino (any race)	353	415
<b>Educational Attainment (Population 25 and over)</b>		
Percent with less than 9th grade	12.0	10.3
Percent high school graduate or higher	68.2	76.1
Percent with a Bachelor's degree or higher	6.6	9.2
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	5.0	6.2
Percent who speak English less than very well	1.7	2.6
<b>Household income (Median \$)</b>	30,956	45,732
<b>Poverty Status (Percent of population with income below poverty line)</b>	11.1	9.1
<b>Percent female headed household</b>	10.3	11.5
<b>Home Ownership (Number)</b>		
Owner occupied	2,417	2,987
Renter occupied	441	720
<b>Value Owner-occupied Housing (Median \$)</b>	66,900	93,100
<b>Monthly Contract Rent (Median \$)</b>	281	385
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	67.2	65.4
Percent of civilian labor force unemployed	6.8	3.4
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	28.4
Service occupations	N/A	10.9
Sales and office occupations	N/A	32.3
Farming, fishing, and forestry occupations	0.5	1.2
Construction, extraction, and maintenance occupations	N/A	13.9
Production, transportation, and material moving occupations	N/A	13.4
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	0.5	1.1
Mining (includes the offshore oil/gas industry workforce)	1.4	1.4
Manufacturing	16.5	11.8
Percent government workers	13.1	14.3
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	31.3
Percent worked outside of county of residence	65.0	57.2

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Meraux in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	None Seen
Skimmers	None Seen
Butterfly	None Seen
Crabbers	None Seen
Oyster	None Seen
Other Commercial	None Seen
<b>Recreational Fishing Boats</b>	-
Freshwater	20-30
Saltwater	20-30
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	2
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	1
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	0
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Meraux in 2003**

Type of Business	Frequency
Boat Builder/Broker	2
Marina	1
Seafood Retailer	1
Total	4

**Table 4. Meraux Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	4,250,676	6,853,367

**Table 5. Meraux License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
41	0	1,187	5,351
Total = 41		Average Number of Licenses per Household: 1,187/3,707 = .3	--
% Households Holding Commercial Permit or License: 41/3,707 = 1.1			

Please reference Table 3.17-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.



**St. Bernard Residents being Evacuated after Hurricane Katrina, 9/05**  
(Source: [www.crytome.org](http://www.crytome.org))



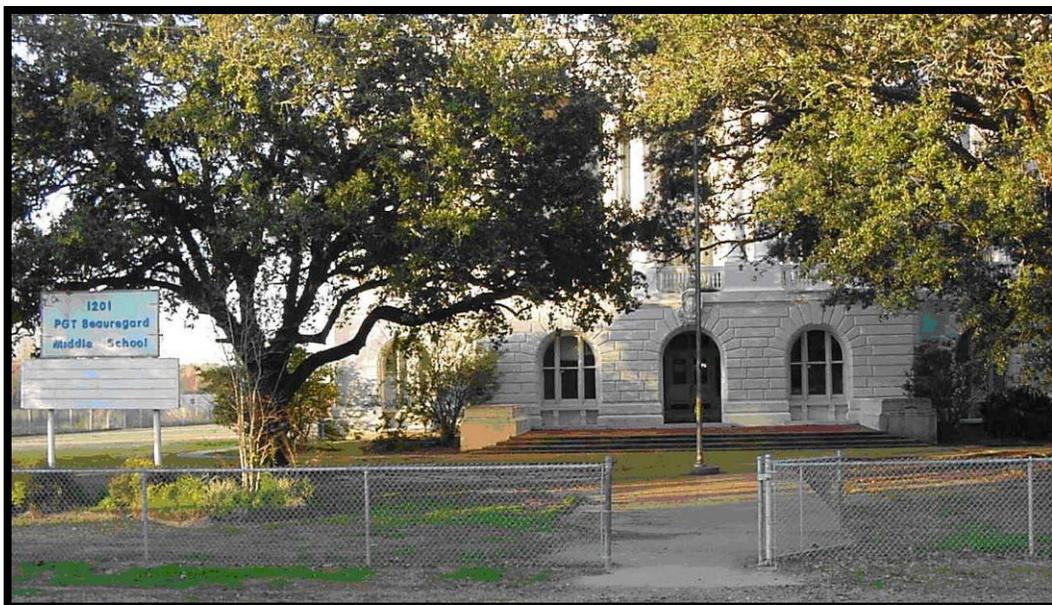
**Inundation in St. Bernard Parish following Katrina**  
(Source: [www.crytome.org](http://www.crytome.org))

### 3.17.5 St. Bernard (unincorporated, pop. 1,066)

**Location and Overview.** St. Bernard is a fishing-oriented community located approximately three miles east of the Mississippi River and 15 miles southeast of New Orleans. Several fishing areas are nearby, including Lake Borgne, Lake Pontchartrain, and the Caernarvon Marsh. The intricate waterways of the Marsh access Lake Lery, Big Mar, Grand Lake, Spanish Lake, Petit Lake, Oak River, Bayou Mandelville, and various canals and bayous. Delacroix is accessible via Big Mar and Lake Lery. St. Bernard benefited from completion of the Caernarvon Freshwater Diversion Project in 1991, which allows fresh water to feed the area's saltwater-intruded marshes. As a result, the largemouth bass population has rejuvenated and the area is now considered by some to be one of the best places for largemouth bass sport fishing in the world.

**History.** The town of St. Bernard was originally established in 1780 as "San Bernardo" by the last bastion of Spanish colonials in Louisiana. Canary Islanders (Isleños) settled in the area between 1779 and 1783.

**Current Conditions and Trends.** St. Bernard had a year 2000 population of 1,066 persons, down from 1,631 in 1990. Many area residents fish recreationally from St. Bernard State Park east of Braithwaite on Highway 39. A significant shrimp fleet operates here, and oysters, crab, and mullet are also important commercial harvests. While numerous commercial participants live in St. Bernard, most keep and launch their boats at places like the Violet and Caernarvon Canals. Although we could prove physical residence for only 184 state commercial license holders, 325 were residing or maintaining post office boxes in the area in 2000. There are numerous seafood dealers, a bait shop, ice house, repair facilities for outboard motors, and several boat launches here. Local processors employed an average of seven persons in 1980, four in 1990, and an undisclosed number in 2000.



St. Bernard Middle School in 2003



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. St. Bernard Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,631	1,066
<b>Gender Ratio M/F (Number)</b>	767/864	531/535
<b>Age (Percent of total population)</b>		
Under 18 years of age	24.8	28.8
18 to 64 years of age	60.5	60.6
65 years and over	14.7	10.6
<b>Ethnicity or Race (Number)</b>		
White	1,478	1,003
Black or African American	134	8
American Indian and Alaskan Native	2	28
Asian	0	0
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	17	11
Two or more races	N/A	16
Hispanic or Latino (any race)	460	84
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	31.8	12.1
Percent high school graduate or higher	47.0	69.7
Percent with a Bachelor's degree or higher	3.3	6.9
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	7.8	9.7
Percent who speak English less than very well	3.5	3.6
<b>Household income (Median \$)</b>	14,436	36,875
<b>Poverty Status (Percent of population with income below poverty line)</b>	20.6	10.8
<b>Percent female headed household</b>	15.5	14.2
<b>Home Ownership (Number)</b>		
Owner occupied	488	329
Renter occupied	58	35
<b>Value Owner-occupied Housing (Median \$)</b>	46,600	47,700
<b>Monthly Contract Rent (Median \$)</b>	196	326
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	44.2	63.8
Percent of civilian labor force unemployed	13.9	19.7
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	24.1
Service occupations	N/A	18.9
Sales and office occupations	N/A	15.6
Farming, fishing, and forestry occupations	8.3	1.2
Construction, extraction, and maintenance occupations	N/A	12.8
Production, transportation, and material moving occupations	N/A	21.7
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	1.4	2.8
Mining (includes the offshore oil/gas industry workforce)	3.6	0.6
Manufacturing	13.9	26.6
Percent government workers	13.1	17.4
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	N/A
Percent worked outside of county of residence	43.6	38.8

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in St. Bernard in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	4-5
Skimmers	5-10
Butterfly	0
Crabbers	5-10
Oyster	1
Other Commercial	2-5
<b>Recreational Fishing Boats</b>	-
Freshwater	20-30
Saltwater	5-10
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	2
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	1
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for St. Bernard in 2003**

Type of Business	Frequency
Boat Builder/Broker	2
Processor	1
Seafood Retailer	3
Seafood Dealer (Wholesaler)	5
Total	11

**Table 4. St. Bernard Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	12,377,023	18,223,687

**Table 5. St. Bernard License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
184	0	1,020	156
Total = 184		Average Number of Licenses per Household: 1,020/364 = 2.8	--
% Households Holding Commercial Permit or License: 184/364 = 50.5			

Please reference Table 3.17-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.17.6 Violet (unincorporated, pop. 8,555)

***Location and Overview.*** Violet is located just east of New Orleans, between the towns of Chalmette and St. Bernard, along the banks of the Mississippi River. Many residents are employed in offshore oil and associated service industries. Several ocean-bound cruise ships dock at Violet, and crew members tend to generate revenue at nearby retail establishments and at a strip mall located in Violet's town center.

Violet has an active commercial fishing fleet, and numerous inshore and nearshore guides. Local recreational anglers fish in nearby St. Bernard State Park. This park also provides access to the Caernarvon Marsh, Lake Lery, Big Mar, Grand Lake, Spanish Lake, Petit Lake, Laot Lake, Oak River and a vast number of canals and bayous, as well as the Gulf of Mexico.



**Skimmer-rigged Work Boat in Violet Yard**

***Current Conditions and Trends.*** Violet had a year 2000 population of 8,555 persons. Many resident families have been fishing commercially for several generations. Oysters, shrimp, and crabs are the primary catch. Many fishery participants crab on a part-time basis. Informants claim that most who live in Violet work in Chalmette or New Orleans.

Violet's infrastructure supports both recreational and commercial fishing. There are various seafood processors, bait shops, boat and engine repair facilities, an ice house, a net dealer, a marine supply dealer, and several boat launches. Local processors employed an average of 100 persons in 1980 and an undisclosed number in 2000 (no data available for 1990).



**Cruise Ships on the Mississippi River at Violet**



**Trawlers on the Violet Canal**



**Table 1. Violet Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	8,574	8,555
<b>Gender Ratio M/F (Number)</b>	4,161/4,413	4,129/4,426
<b>Age (Percent of total population)</b>		
Under 18 years of age	33.8	32.4
18 to 64 years of age	60.2	60.8
65 years and over	6.0	6.8
<b>Ethnicity or Race (Number)</b>		
White	6,459	4,987
Black or African American	1,957	3,317
American Indian and Alaskan Native	71	41
Asian	53	50
Native Hawaiian and other Pacific Islander	N/A	3
Some other race	34	32
Two or more races	N/A	127
Hispanic or Latino (any race)	599	367
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	17.2	11.0
Percent high school graduate or higher	64.0	68.1
Percent with a Bachelor's degree or higher	3.9	6.1
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	4.6	6.6
Percent who speak English less than very well	2.5	2.8
<b>Household income (Median \$)</b>	23,885	32,993
<b>Poverty Status (Percent of population with income below poverty line)</b>	23.5	21.7
<b>Percent female headed household</b>	17.0	21.9
<b>Home Ownership (Number)</b>		
Owner occupied	2,091	2,199
Renter occupied	503	545
<b>Value Owner-occupied Housing (Median \$)</b>	57,400	76,000
<b>Monthly Contract Rent (Median \$)</b>	268	504
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	63.9	62.2
Percent of civilian labor force unemployed	12.2	9.7
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	22.6
Service occupations	N/A	15.9
Sales and office occupations	N/A	23.4
Farming, fishing, and forestry occupations	1.9	0.7
Construction, extraction, and maintenance occupations	N/A	18.7
Production, transportation, and material moving occupations	N/A	18.8
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	1.5	0.7
Mining (includes the offshore oil/gas industry workforce)	2.7	0.8
Manufacturing	15.1	13.0
Percent government workers	10.8	15.4
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	32.6
Percent worked outside of county of residence	61.0	53.4

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Violet in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	20-30
Skimmers	50-60
Butterfly	2
Crabbers	20-30
Oyster	2
<b>Recreational Fishing Boats</b>	-
Freshwater	150-200
Saltwater	150-200
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	3
Commercial Ship/Boat Repair	6
Commercial Ship/Boat Builders	5
Net Makers/Dealers	1
Commercial Marine Supply	2
Seafood Transport	6
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Violet in 2003**

Type of Business	Frequency
Boat Builder/Broker	1
Boat Rentals & Pier	2
Processor; Retail Seafood Dealer	1
Retail Seafood Dealer	1
Total	5

**Table 4. Violet Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	3,199,279	5,125,445

**Table 5. Violet License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
87	0	1,155	870
Total = 87		Average Number of Licenses per Household: 1,155/2,744 = .4	--
% Households Holding Commercial Permit or License: 87/2,744 = 3.1			

Please reference Table 3.17-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.17.7 Yscloskey (unincorporated, pop. 1,342)

**Location and Overview.** Yscloskey is located on Highway 46, along Bayou La Loutre. Bayou La Loutre leads directly into the Mississippi River Gulf Outlet Canal, thus making the Gulf accessible to the Yscloskey fishing fleets. The Shell Beach and Hopedale areas, just adjacent to the south, are related to Yscloskey in social and economic terms. Fishing and related industry is very important here.

Local fishery participants describe Yscloskey as a place where fishing dominates other activities. Oysters, shrimp, and crab are the primary harvest. Many large shrimp vessels, active in the parish, are moored at Yscloskey. There are several seafood docks, a marina, bait shops, net makers, ice houses, boat launches, and repair facilities for commercial and recreational boats and engines. Numerous guide services are available. Secondary data sources for Yscloskey are very limited given remote mailing addresses.

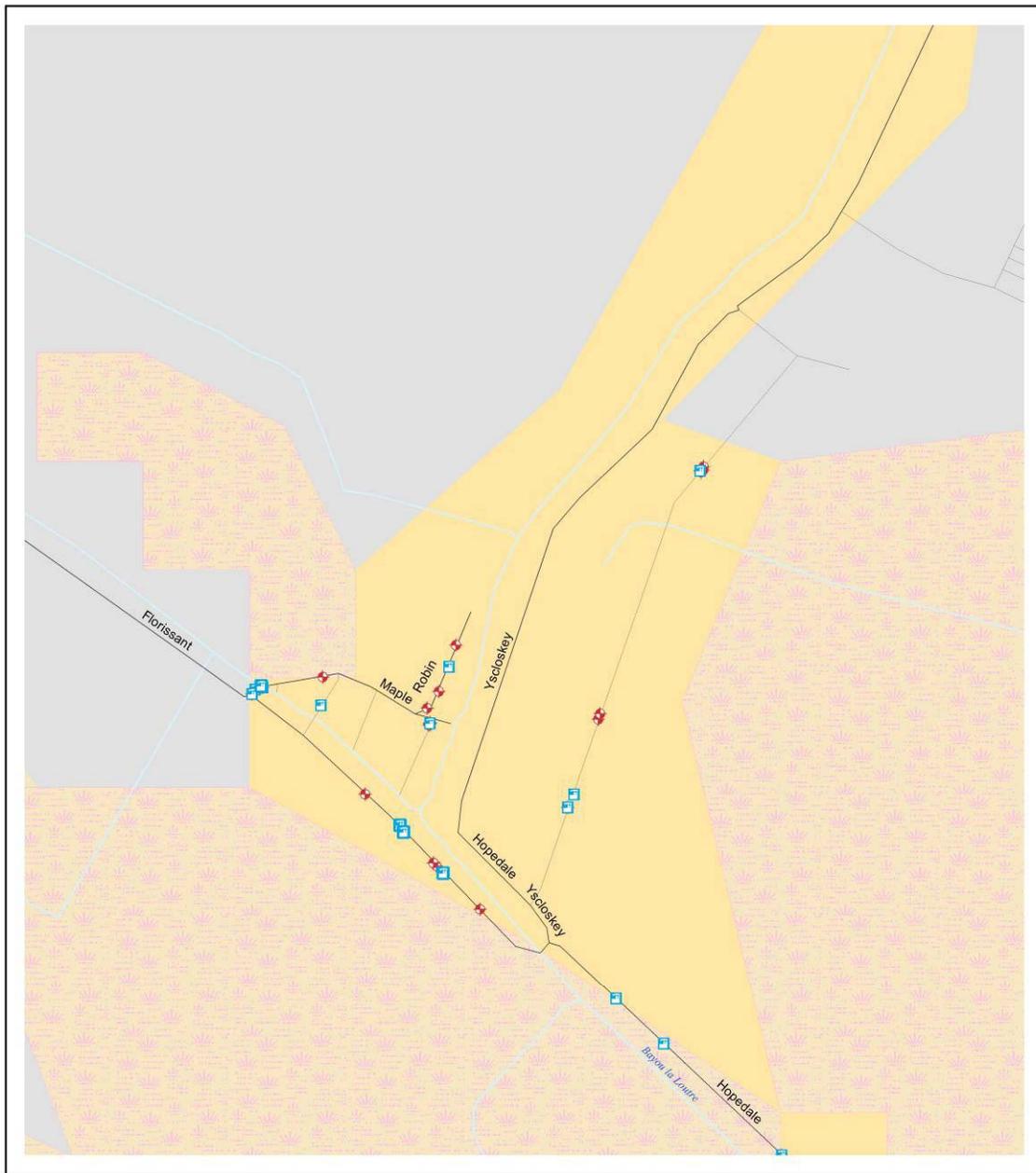
***Current Conditions and Trends.*** The Yscloskey area had a year 2000 population of 1,342 persons. Fishing is important, but many residents in the region are also employed in the offshore oil industry. An increasing number of persons are moving to the area, attracted by its rural nature, but commuting to jobs in New Orleans. The latter situation is facilitated by a new four-lane highway, intended to ease evacuation during hurricane and flood events. A secondary effect of the highway is nascent gentrification. There are several new condominiums, as well as a 300-home subdivision with paved streets and street lighting, under development. The overall area remains very rural nonetheless, and there is no large grocery store, drug store, clothing store, church, school, or post office.



**Bayou La Loutre at Yscloskey**



**Oyster Dragger at Yscloskey**



Note: Only limited secondary source permit, license, or infrastructure data are available to support spatial depiction or analysis of fishing in the Yscloskey area.

**Table 1. Yscloskey Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,631	1,342
<b>Gender Ratio M/F (Number)</b>	767/864	665/677
<b>Age (Percent of total population)</b>		
Under 18 years of age	24.8	22.8
18 to 64 years of age	60.5	58.2
65 years and over	14.7	19.0
<b>Ethnicity or Race (Number)</b>		
White	1,478	1,196
Black or African American	134	118
American Indian and Alaskan Native	2	4
Asian	0	2
Native Hawaiian and other Pacific Islander	N/A	1
Some other race	17	8
Two or more races	N/A	13
Hispanic or Latino (any race)	494	236
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	31.8	26.6
Percent high school graduate or higher	47.0	56.2
Percent with a Bachelor's degree or higher	3.3	1.4
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	7.2	7.0
Percent who speak English less than very well	4.2	2.5
<b>Household income (Median \$)</b>	14,436	23,566
<b>Poverty Status (Percent of population with income below poverty line)</b>	20.6	26.5
<b>Percent female headed household</b>	14.2	12.6
<b>Home Ownership (Number)</b>		
Owner occupied	488	388
Renter occupied	58	77
<b>Value Owner-occupied Housing (Median \$)</b>	46,600	59,600
<b>Monthly Contract Rent (Median \$)</b>	196	454
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	44.2	36.9
Percent of civilian labor force unemployed	13.9	8.7
<b>Occupation (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	14.0
Service occupations	N/A	17.7
Sales and office occupations	N/A	25.9
Farming, fishing, and forestry occupations	8.3	16.3
Construction, extraction, and maintenance occupations	N/A	8.1
Production, transportation, and material moving occupations	N/A	17.7
<b>Industry (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	8.4	16.3
Mining (includes the offshore oil/gas industry workforce)	2.0	0.0
Manufacturing	13.9	8.7
Percent government workers	13.1	15.4
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	40.6	27.7
Percent worked outside of county of residence	43.6	28.8

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Yscloskey in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	150-200
Skimmers	10-20
Butterfly	2-5
Crabbers	10-20
Oyster	30-40
Other Commercial	50-75
<b>Recreational Fishing Boats</b>	-
Freshwater	10-20
Saltwater	100-200
<b>Infrastructure and Services</b>	-
Marinas	5
Seafood Docks/Dealers	5
Commercial Ship/Boat Repair	2
Commercial Ship/Boat Builders	2
Net Makers/Dealers	1
Commercial Marine Supply	3
Seafood Transport	20-25
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Yscloskey in 2003**

None listed.

**Table 4. Yscloskey Commercial Landings and Value Summary: 2000** (based on all address fields)

Data not available.

**Table 5. Yscloskey License/Permit Summary: 2000**

Commercial		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
--	--	--	--
Total = --		Average Number of Licenses per Household: --	--
% Households Holding Commercial Permit or License: --			

Please reference Table 3.17-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.18 St. Charles Parish Communities

This section describes the study communities located in St. Charles Parish. These are Des Allemands, Destrehan, Luling, and Paradis.

St. Charles Parish lies just west of New Orleans and Jefferson Parish, east of St. John the Baptist Parish, and north of Lafourche Parish. Much of St. Charles lies within the Terrebonne-Barataria drainage basin. The southern portion of the parish consists largely of fresh coastal marshland, while the northern portion lies in the Mississippi floodplain. Lake Pontchartrain, Lake Des Allemands, Lake Cataouatche, and the Mississippi River all offer fishing possibilities for residents. The Salvador Wildlife Management Area covers approximately a quarter of the parish land area.

The year 2000 population of St. Charles Parish was 48,640 persons, making it the 24<sup>th</sup> most populous parish in Louisiana that year. The Parish had grown significantly since 1990, when its population was 42,437 persons. Hahnville is the parish seat, with a year 2000 population of 2,792 persons.

The Illinois Central Gulf, Kansas City Southern, Southern Pacific, and Union Pacific rail lines serve the parish. The nearest commercial airport is New Orleans International, some 12 miles from Hahnville. The deepwater Port of South Louisiana is also located here. This is one of the most active ports in the United States. The nearest shallow draft port is Greater Lafourche Port, 58 miles from Hahnville, while the nearest shallow draft channel, Port Fourchon, is located in Galliano (at the mouth of Bayou Lafourche, on the Gulf of Mexico). This port has a 20-foot draft in the main channel.

Various immigrant groups settled the area, beginning with the Spanish, followed by Germans, and finally French Acadians. The parish name was derived from the old ecclesiastical parish under French rule. A large slave population worked the sugar plantations during early years of settlement. Today, 72 percent of the parish population is Caucasian, 25 percent African American, and three percent Hispanic.

The 386-square mile parish has gradually transformed from one grounded in a plantation-based economy to one deeply involved in production and refinement of petrochemicals. The fishing and timber industries have been long-lasting, if only tangential, to sugar, and more recently to oil and related services. Monsanto and Union Carbide maintain important operations here.

Fishing is an important recreational activity in the parish, and, on any given weekend in summer, hotel parking lots along I-90 are filled with fishing boats. Commercial fishing is limited primarily to the lakes and bayous, though there are some active offshore fishers who keep their vessels in towns closer to the coast.

Tourism also contributes to the St. Charles Parish economy. Its proximity to New Orleans International Airport, its rich history, and plantation architecture attract abundant visitors each year.

Year 2000 median family income in St. Charles Parish was \$45,139, a decline from the 1990 figure of \$49,100, but well above the state median of nearly \$31,000. Eleven percent of parish residents lived in poverty in 2000.

**Table 3.18-1 St. Charles Parish Earnings: 1990 and 2000**

Industry	Earnings (Constant 2000 \$1000s)		Percent Share of 2000 Earnings	Change 1990-2000
	1990	2000		
<b>Earnings</b>	840,562	990,947	100.0	150,385
<b>Farm earnings</b>	1,020	177	0.0	-843
<b>Ag. services, forestry, fish.</b>	5,260	3,399	0.3	-1,861
Fishing	2,840	NA	NA	NA
<b>Mining</b>	8,223	8,617	0.9	395
Oil and gas extraction	NA	NA	NA	NA
<b>Construction</b>	135,176	118,812	12.0	-16,364
Special trade contractors	12,630	22,797	2.3	10,167
<b>Manufacturing</b>	321,559	410,202	41.4	88,643
Fabricated metal products	NA	NA	NA	NA
Industrial mach. & equip.	NA	2,191	0.2	NA
Food and kindred	3,394	4,221	0.4	827
Chemicals and allied	194,108	292,669	29.5	98,561
Petroleum and coal	113,281	100,976	10.2	-12,305
<b>Transportation, public utilities</b>	131,831	122,524	12.4	-9,307
Trucking and warehousing	33,648	20,195	2.0	-13,454
Water transportation	38,049	26,701	2.7	-11,348
Transportation by air	0	NA	NA	NA
<b>Wholesale trade</b>	37,453	79,789	8.1	42,336
<b>Retail trade</b>	36,814	33,521	3.4	-3,293
Eating and drinking places	4,522	7,505	0.8	2,983
<b>Fin., insurance, and real estate</b>	7,639	13,961	1.4	6,322
<b>Services</b>	73,975	91,085	9.2	17,111
Business services	30,613	38,123	3.8	7,510
Health services	11,894	10,877	1.1	-1,017
Legal services	2,024	3,558	0.4	1,534
Engineer. & mngmt. serv.	7,645	6,819	0.7	-827
<b>Government</b>	81,612	108,858	11.0	27,246

Source: Bureau of Economic Analysis, Regional Economic Information System

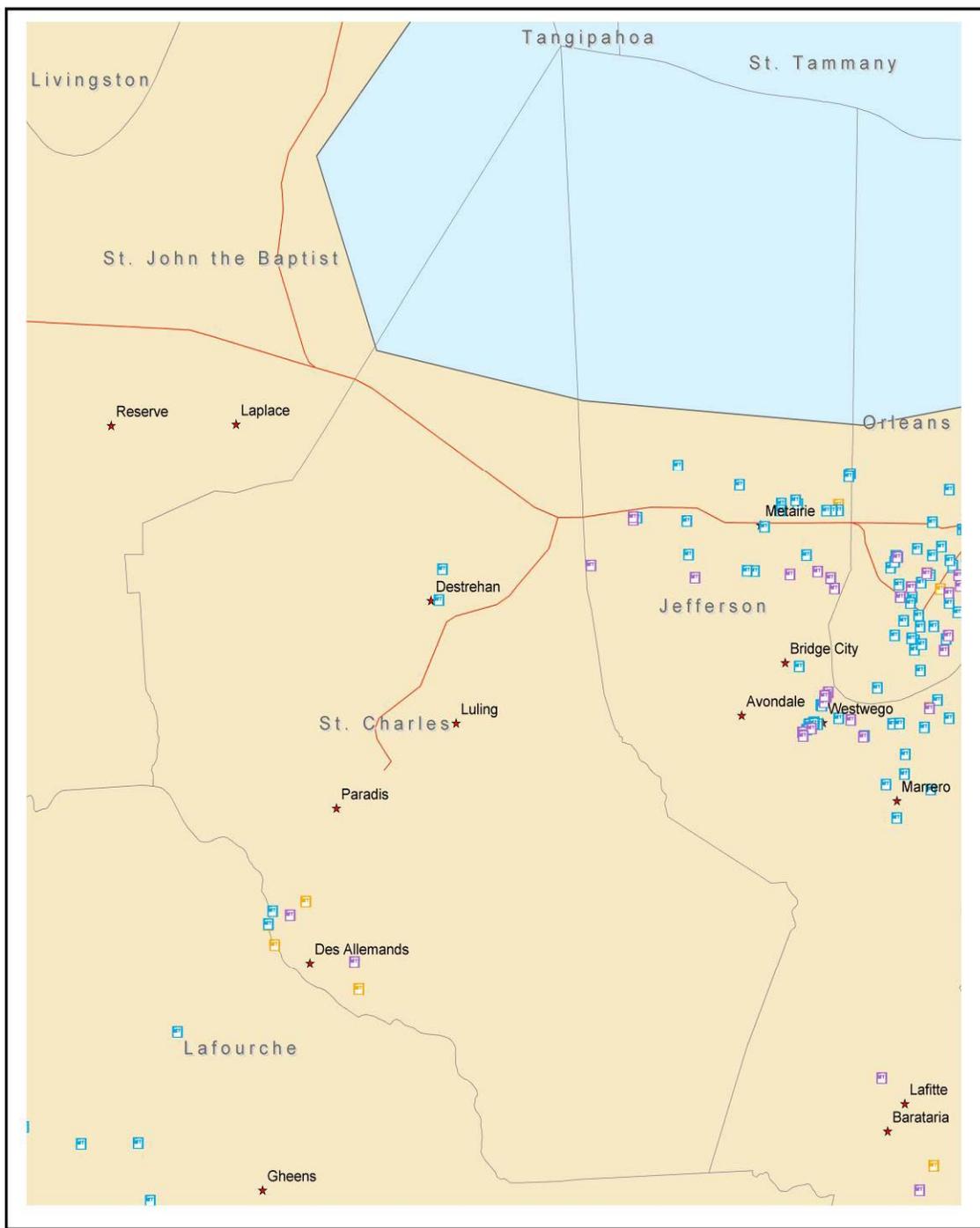
**Table 3.18-2 Year 2000 Permits and Licenses, and 2003 Gulf Shrimp Permits: St. Charles Parish\***

Permit Type	Study Communities			
	Des Allemands	Destrehan	Luling	Paradis
Pelagic Charter	--	--	--	--
Reef Fish Charter	--	--	--	--
Swordfish	--	--	--	--
King Mackerel	--	--	--	--
Rock Shrimp	--	--	--	--
Red Snapper	3	1	--	--
Spiny Lobster	--	--	--	--
Spanish Mackerel	--	1	--	--
Gulf Reef Fish	3	1	--	--
Shark	--	--	--	--
South Atlantic Snapper Grouper	--	--	--	--
Total Permits 2000	6	3	--	--
Total Permit Holders 2000	3	1	--	--
Total State License Holders 2000	129	15	18	7
Gulf Shrimp Permits 2003 **	--	--	1	--

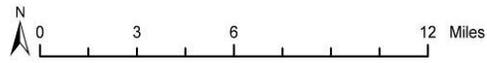
\* Includes all permits and licenses that can be attributed to the communities by *both* street and post office box addresses; these data are used to generate counts of permit holders for whom evidence indicates actual residence, as provided in the community descriptions. \*\* 2003 is the first year for which shrimp permit data are available.



**Industrial Area in St. Charles Parish** (courtesy of stcharlesgov.net)



**St. Charles Parish**



- ★ Study Communities
- ☐ Seafood Processor and Dealer
- ☐ Seafood Dealer
- ☐ Seafood Processor
- Reference Cities
- Reef
- ⚓ Wreck
- ▲ Platform
- Interstate

### 3.18.1 Des Allemands (unincorporated, pop.2,500)

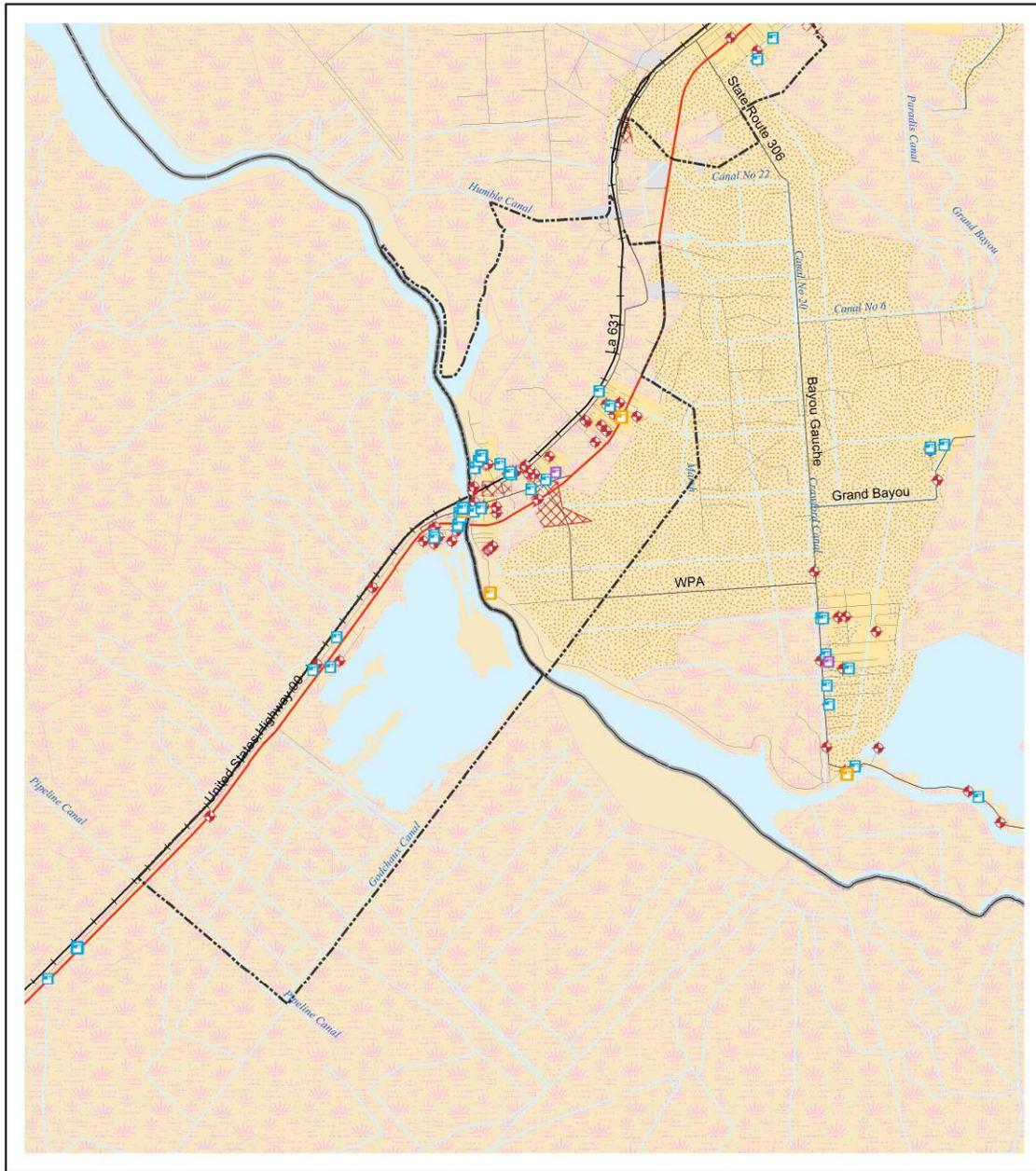
**Location and Overview.** Des Allemands is located along Highways 90 and 631, some 25 miles south and west of New Orleans. Although the commercial heart of Des Allemands is primarily on Highway 631, many residences are along Bayou Des Allemands. The Louisiana Catfish Festival is held here each July. Highways 631 and 90 provide easy access to Lake Des Allemands, Bayou Des Allemands, and Lake Salvador. There is extensive recreational fishing in nearby water bodies. Gulf access is distant, but there are three active federal permits here.

**History.** German immigrants settled the area around Des Allemands some 250 years ago. French Acadians eventually dominated the region's cultural landscape, although "Des Allemands," meaning "the Germans" described the ethnic nature of the town.

**Current Conditions and Trends.** Des Allemands had a year 2000 population of 2,500 persons -- little changed from the last decade. Commercial fishing is important here, especially crab and freshwater catfish. Shrimp are taken as well, primarily with skimmer rigs during the inland season. Several seafood wholesalers claim that their business is declining. One attributes problems to a tough regional market, another to unscrupulous fishermen who evade regulatory limits. One seafood wholesaler indicated that he would sell his business, if only there were a buyer. There remain five seafood buyers/dealers in Des Allemands, and several boat docks along Highways 90 and 631. Local processors employed an average of five persons in 1980, 11 in 1990, and an undisclosed number in 2000. Although we could prove physical residence for only 60 state commercial license holders, 129 lived or maintained post office boxes in the area in 2000.



**Skimmer-rigged Vessels at Seafood Buyer on Bayou Des Allemands, 2003**



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Des Allemands Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	2,504	2,500
<b>Gender Ratio M/F (Number)</b>	1,245/1,259	1,219/1,281
<b>Age (Percent of total population)</b>		
Under 18 years of age	27.3	26.0
18 to 64 years of age	62.5	60.8
65 years and over	10.2	13.2
<b>Ethnicity or Race (Number)</b>		
White	2,170	2,172
Black or African American	323	261
American Indian and Alaskan Native	5	7
Asian	1	4
Native Hawaiian and other Pacific Islander	N/A	1
Some other race	5	21
Two or more races	N/A	34
Hispanic or Latino (any race)	30	62
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	27.5	19.0
Percent high school graduate or higher	49.2	62.5
Percent with a Bachelor's degree or higher	3.8	6.7
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	17.9	12.5
Percent who speak English less than very well	7.2	3.5
<b>Household income (Median \$)</b>	17,344	27,908
<b>Poverty Status (Percent of population with income below poverty line)</b>	29.7	21.4
<b>Percent female headed household</b>	10.8	11.1
<b>Home Ownership (Number)</b>		
Owner occupied	759	789
Renter occupied	128	154
<b>Value Owner-occupied Housing (Median \$)</b>	47,900	76,000
<b>Monthly Contract Rent (Median \$)</b>	214	407
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	49.3	53.9
Percent of civilian labor force unemployed	4.0	4.4
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	20.0
Service occupations	N/A	12.1
Sales and office occupations	N/A	21.4
Farming, fishing, and forestry occupations	4.5	6.1
Construction, extraction, and maintenance occupations	N/A	22.6
Production, transportation, and material moving occupations	N/A	17.9
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	5.2	6.7
Mining (includes the offshore oil/gas industry workforce)	4.6	1.4
Manufacturing	21.6	21.2
Percent government workers	12.8	12.7
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	28.0
Percent worked outside of county of residence	42.1	41.4

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Des Allemands in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	8-10
Skimmers	15-20
Butterfly	0
Crabbers	15-20
Oyster	0
Other Commercial	0
<b>Recreational Fishing Boats</b>	-
Freshwater	30-35
Saltwater	25-30
<b>Infrastructure and Services</b>	-
Marinas	1
Seafood Docks/Dealers	5
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	3
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Des Allemands in 2003**

Type of Business	Frequency
Processor; Seafood Dealer (Wholesaler)	4
Seafood Retailer	3
Seafood Dealer (Wholesaler)	1
Total	8

**Table 4. Des Allemands Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	5,075,513	3,375,860

**Table 5. Des Allemands License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
60	--	781	204
Total = 60		Average Number of Licenses per Household: 781/943 = .8	--
% Households Holding Commercial Permit or License: 60/943 = 6.3			

Please reference Table 3.18-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.18.2 Destrehan (unincorporated, pop. 11,260)

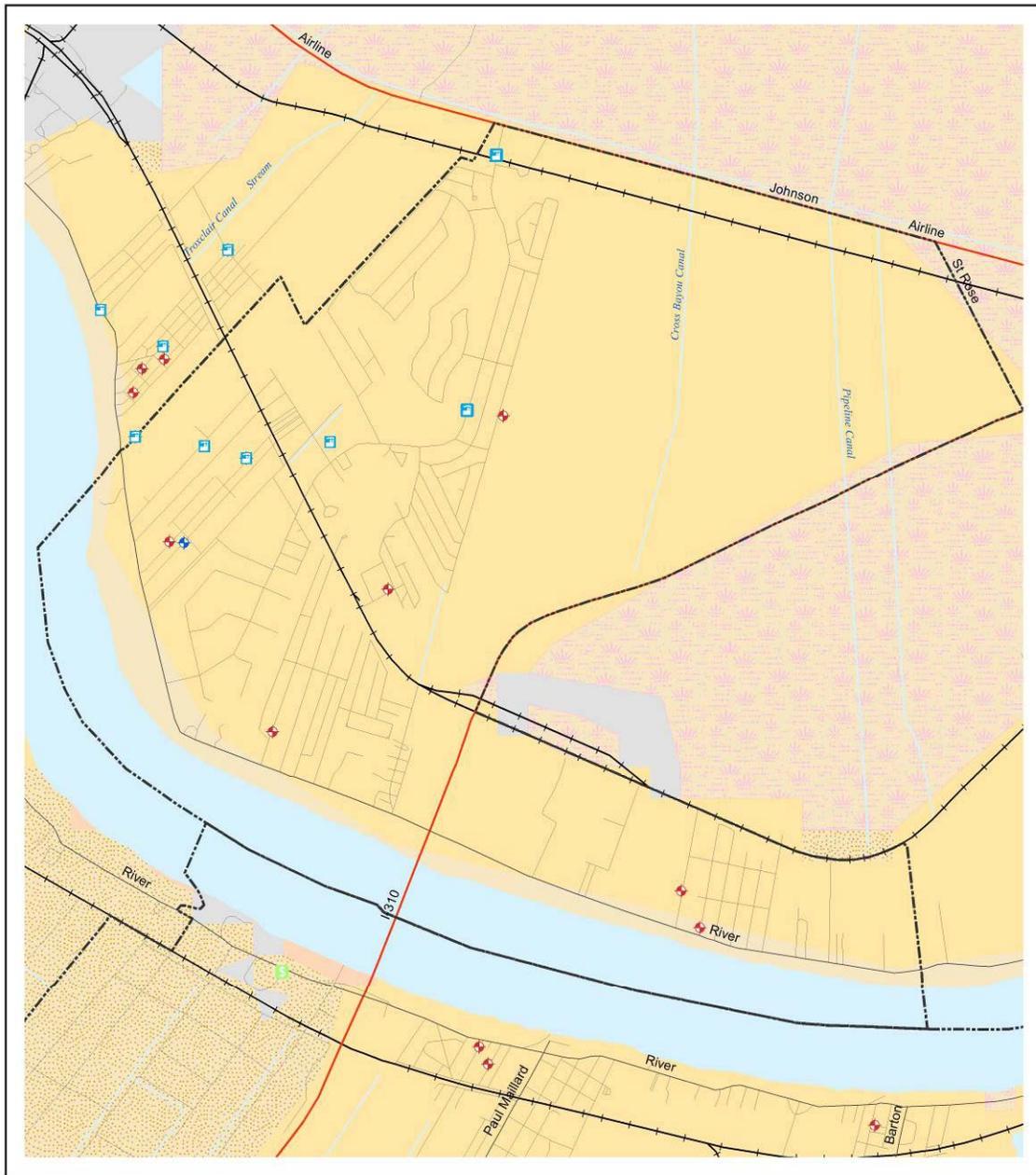
**Location and Overview.** Destrehan is located along the Mississippi, between Kenner and La Place, on Highway 6, not far from Metropolitan New Orleans. The New Orleans International Airport is eight miles east. Located near a large Shell refinery in Norco, Destrehan's economy is based largely in the petrochemical industry. Sugar milling is also important. There are numerous manufacturing areas here. Local historical attractions generate some tourism revenue. Several bars in the River Road area cater to visiting seaman who do not have enough shore time for travel to New Orleans.

**Current Conditions and Trends.** Destrehan had a year 2000 population of 11,260 persons, an increase of 3, 229 residents from 1990. Many Destrehan residents are employed in the petrochemical industry or commute to jobs in New Orleans; relatively few work in the fishing industry. Although a small and productive commercial fleet is based here, a local informant described Destrehan as a "middle-class community" of "weekend fishers." The large number of residences with recreational boats parked in driveways supports this depiction. Lake Pontchartrain is a popular place for sailing. The Hale Boggs Bridge spans the Mississippi River and connects Destrehan to Lake Salvador and the Gulf of Mexico.

There are several boat launches nearby, and at least one small boat/engine repair facility. A bait shop at the Bonnet Carre Crevasse and Spillway serves as a marine supply center for fishing in this area. The Spillway is a grassy marsh, noted for fishing, crawfishing, camping, bird watching, hunting, and off-road vehicle riding. It, too, has several boat launches. There are numerous fishing piers in the area. Crab and shrimp are commonly pursued by the local commercial fleet.



Fishing Supplies at the Bonnet Carre Spillway



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Destrehan Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	8,031	11,260
<b>Gender Ratio M/F (Number)</b>	3,968/4,063	5,527/5,733
<b>Age (Percent of total population)</b>		
Under 18 years of age	32.1	32.4
18 to 64 years of age	63.1	61.0
65 years and over	4.8	6.6
<b>Ethnicity or Race (Number)</b>		
White	6,999	9,531
Black or African American	900	1,439
American Indian and Alaskan Native	14	13
Asian	46	117
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	72	64
Two or more races	N/A	96
Hispanic or Latino (any race)	296	429
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	2.7	3.0
Percent high school graduate or higher	89.4	89.6
Percent with a Bachelor's degree or higher	32.3	35.4
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	4.7	7.0
Percent who speak English less than very well	1.2	2.1
<b>Household income (Median \$)</b>	46,746	63,425
<b>Poverty Status (Percent of population with income below poverty line)</b>	3.2	4.4
<b>Percent female headed household</b>	7.1	9.4
<b>Home Ownership (Number)</b>		
Owner occupied	2,093	3,132
Renter occupied	542	497
<b>Value Owner-occupied Housing (Median \$)</b>	105,500	141,300
<b>Monthly Contract Rent (Median \$)</b>	371	624
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	73.6	73.8
Percent of civilian labor force unemployed	3.0	2.4
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	40.5
Service occupations	N/A	8.0
Sales and office occupations	N/A	29.9
Farming, fishing, and forestry occupations	0.2	0
Construction, extraction, and maintenance occupations	N/A	10.1
Production, transportation, and material moving occupations	N/A	11.5
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	0.4	0.0
Mining (includes the offshore oil/gas industry workforce)	2.5	1.3
Manufacturing	15.5	12.8
Percent government workers	11.2	12.3
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	29.9
Percent worked outside of county of residence	62.0	65.2

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Destrehan in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
<b>Trawls</b>	0
Skimmers	0
Butterfly	0
Crabbers	5-10
Oyster	0
Other Commercial	0
<b>Recreational Fishing Boats</b>	-
Freshwater	100-150
Saltwater	50-75
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	1
Commercial Ship/Boat Repair	1
Commercial Ship/Boat Builders	0
Commercial Marine Supply	1
Fishing Pier	5

**Table 3. Primary Fishing-related Businesses Listed for Destrehan in 2003**

Type of Business	Frequency
Seafood Retailer	1
Seafood Dealer (Wholesaler)	1
Total	2

**Table 4. Destrehan Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	251,393	329,813

**Table 5. Destrehan License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
14	1	1,562	235
Total = 15		Average Number of Licenses per Household: 1,562/3,629 = .4	--
% Households Holding Commercial Permit or License: 15/3,629 = .4			

Please reference Table 3.18-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

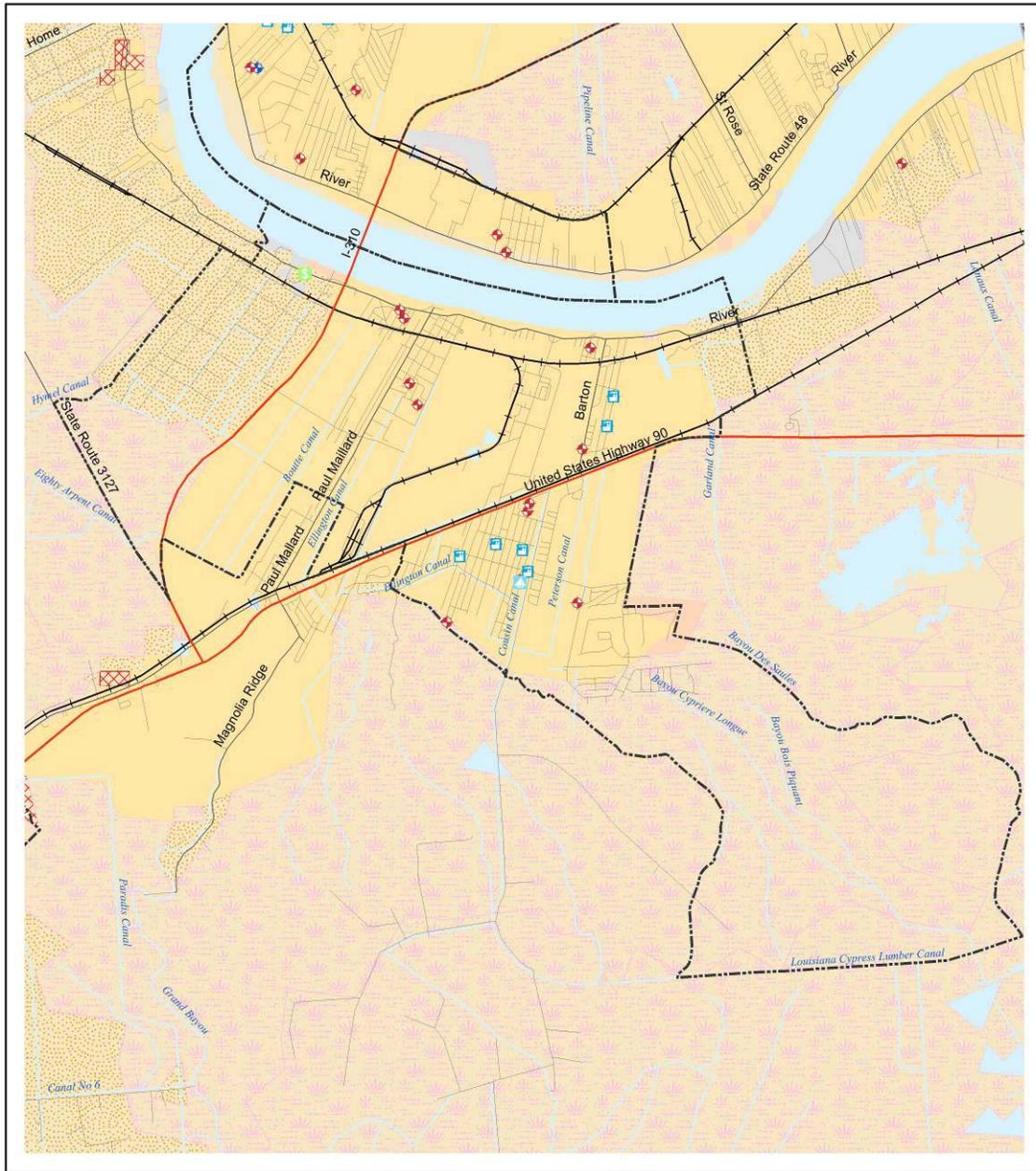
### 3.18.3 Luling (unincorporated, pop. 11,512)

**Location and Overview.** Luling is considered part of the New Orleans Metropolitan Area. Although the town is located on the Mississippi River, there is limited access to any significant marine fishery. Historically, the area's economy was based primarily on sugarcane agriculture. More recently, petrochemical production and jobs (enabled by close proximity to New Orleans) have replaced agriculture as the dominant economic activity. The construction of a bridge connecting Luling to Destrehan, across the Mississippi River, has also stimulated Luling's economy. Visitors take advantage of tours of the Destrehan and Ormond Plantations, and the historical St. Charles Borromeo Church. The town also hosts an annual Alligator Festival in September.



Typical Residential Area in Luling in 2003

**Current Conditions and Trends.** This town had a year 2000 population of 11,512 persons, up significantly from the 1990 figure of 2,803. Parish government officials suggest that this is reflective of a larger trend of growth in the Parish, and development of large tracts of land in the Luling area, but it is also the case that the census-designated boundaries for 2000 encompassed a larger land area than in 1990. Numerous residents fish recreationally here, and there is a small contingent of commercial participants scattered throughout the municipality, with shrimp and crab leading the landings. Luling lacks commercial fishing infrastructure, however, and there are no wholesale or retail fish businesses here, suggesting locally-based participants operate small, trailerable vessels, or moor elsewhere.



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Luling Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	2,803	11,512
<b>Gender Ratio M/F (Number)</b>	1,320/1,483	5,578/5,934
<b>Age (Percent of total population)</b>		
Under 18 years of age	28.7	29.9
18 to 64 years of age	57.2	60.9
65 years and over	14.1	9.2
<b>Ethnicity or Race (Number)</b>		
White	2,073	9,437
Black or African American	680	1,784
American Indian and Alaskan Native	9	30
Asian	12	85
Native Hawaiian and other Pacific Islander	N/A	3
Some other race	29	73
Two or more races	N/A	100
Hispanic or Latino (any race)	56	310
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	10.3	3.8
Percent high school graduate or higher	67.7	85.5
Percent with a Bachelor's degree or higher	8.6	20.7
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	6.6	5.5
Percent who speak English less than very well	2.6	1.7
<b>Household income (Median \$)</b>	24,211	56,114
<b>Poverty Status (Percent of population with income below poverty line)</b>	26.7	8.3
<b>Percent female headed household</b>	15.0	11.9
<b>Home Ownership (Number)</b>		
Owner occupied	723	3,283
Renter occupied	243	616
<b>Value Owner-occupied Housing (Median \$)</b>	54,400	125,900
<b>Monthly Contract Rent (Median \$)</b>	276	517
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	51.3	64.6
Percent of civilian labor force unemployed	5.5	4.4
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	37.0
Service occupations	N/A	12.1
Sales and office occupations	N/A	23.0
Farming, fishing, and forestry occupations	0.7	0.2
Construction, extraction, and maintenance occupations	N/A	13.2
Production, transportation, and material moving occupations	N/A	14.4
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	0.0	0.3
Mining (includes the offshore oil/gas industry workforce)	0.6	0.9
Manufacturing	28.3	8.8
Percent government workers	15.3	16.2
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	24.5
Percent worked outside of county of residence	36.6	41.3

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Luling in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	0
Skimmers	None seen
Butterfly	0
Crabbers	0
Oyster	0
Other Commercial	0
<b>Recreational Fishing Boats</b>	-
Freshwater	4-5
Saltwater	None Seen
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	0
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	0
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Luling in 2003**

Type of Business	Frequency
Boat Builder/Broker	1
Boat Rentals & Pier	1
Total	2

**Table 4. Luling Commercial Landings and Value Summary: 2000** (based on all address data)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	456,631	565,473

**Table 5. Luling License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address data)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
16	0	1,842	648
Total = 16		Average Number of Licenses per Household: 1,842/3,899 = .5	--
% Households Holding Commercial Permit or License: 16/3,899 = .4			

Please reference Table 3.18-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.



Mississippi River Levee and Businesses in Luling Area, 2003

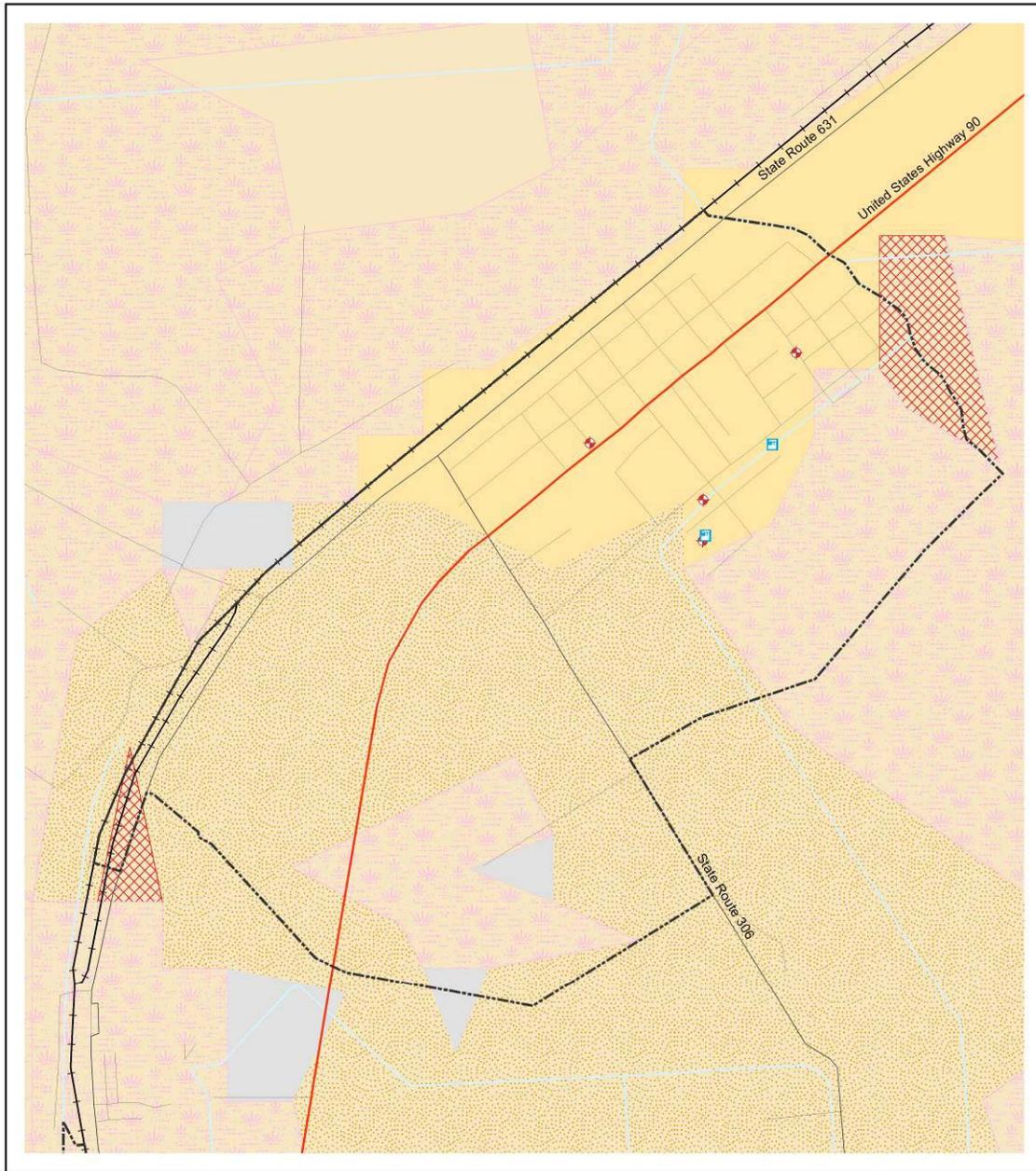
#### 3.18.4 Paradis (unincorporated, pop. 1,252)

**Location and Overview.** Paradis is a small community located between Des Allemands and Boutte, on Highway 90, southwest of New Orleans. Its history relates to its location along the old rail line to New Orleans, and to sugarcane agriculture. Nearby oil discoveries have also been important in its development.



Looking East along Route 90 in Paradis

**Current Conditions and Trends.** Paradis had a year 2000 population of 1,252 residents; an increase of 186 persons from 1990. While recreational fishing is popular here, Gulf access is distant, and there is little visible evidence of a strong, locally-based commercial fishery or associated infrastructure. A small group of commercial participants moor their boats at Des Allemands and other points south along Bayou Lafourche. Crab and shrimp are the primary focus of this small fleet.





## Paradis

Projection: Alber's Equal Area, NAD83  
Data Sources: See Metadata Report  
Printed: May 2004

<p><b>Transportation:</b></p> <ul style="list-style-type: none"> <li>Highway</li> <li>Major Rd.</li> <li>Residential</li> <li>Railroad</li> </ul> <p><b>Boundaries:</b></p> <ul style="list-style-type: none"> <li>River/Stream</li> <li>Ocean/Lake</li> <li>County</li> <li>Municipal</li> </ul> <p><b>Marine Features:</b></p> <ul style="list-style-type: none"> <li>Platform</li> <li>Reef</li> <li>Wreck</li> </ul>	<p><b>Land Use:</b></p> <ul style="list-style-type: none"> <li>Forest</li> <li>Wetland</li> <li>Reservoir</li> <li>Agriculture</li> <li>Residential</li> <li>Other Urban</li> <li>Scrub/Shrub</li> <li>Sand</li> <li>Barren Land</li> </ul>	<p><b>License/Permit Types:</b></p> <ul style="list-style-type: none"> <li>State Commercial</li> <li>Federal</li> <li>Federal/State</li> <li>Federal/Federal Charter</li> <li>Federal/Federal Charter/State</li> </ul>	<p><b>Fishing Businesses:</b></p> <ul style="list-style-type: none"> <li>Aquaculture</li> <li>Boat Dealer/Broker</li> <li>Fish Hatchery</li> <li>Fishing Tackle/Dive Equipment</li> <li>Headboat Operation</li> <li>Marine Electronics Retail</li> <li>Marina/Boatyard</li> <li>Pier/Boat Rentals</li> <li>Seafood Processor</li> <li>Seafood Dealer</li> <li>Seafood Processor and Dealer</li> <li>Post Office</li> </ul>
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Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Paradis Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,066	1,252
<b>Gender Ratio M/F (Number)</b>	527/539	621/631
<b>Age (Percent of total population)</b>		
Under 18 years of age	26.3	30.4
18 to 64 years of age	63.1	61.0
65 years and over	10.6	8.6
<b>Ethnicity or Race (Number)</b>		
White	985	1,155
Black or African American	75	61
American Indian and Alaskan Native	0	7
Asian	1	4
Native Hawaiian and other Pacific Islander	N/A	1
Some other race	5	11
Two or more races	N/A	13
Hispanic or Latino (any race)	14	30
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	28.8	12.0
Percent high school graduate or higher	58.3	81.1
Percent with a Bachelor's degree or higher	8.5	5.6
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	16.5	8.4
Percent who speak English less than very well	4.9	2.8
<b>Household income (Median \$)</b>	25,417	36,912
<b>Poverty Status (Percent of population with income below poverty line)</b>	15.6	7.7
<b>Percent female headed household</b>	12.1	12.1
<b>Home Ownership (Number)</b>		
Owner occupied	311	336
Renter occupied	59	102
<b>Value Owner-occupied Housing (Median \$)</b>	53,600	102,300
<b>Monthly Contract Rent (Median \$)</b>	211	497
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	56.2	67.1
Percent of civilian labor force unemployed	0	3.8
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	22.1
Service occupations	N/A	10.6
Sales and office occupations	N/A	31.0
Farming, fishing, and forestry occupations	1.4	0
Construction, extraction, and maintenance occupations	N/A	15.0
Production, transportation, and material moving occupations	N/A	21.3
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	0.0	0.0
Mining (includes the offshore oil/gas industry workforce)	1.9	0.0
Manufacturing	20.5	27.1
Percent government workers	19.2	18.9
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	23.6
Percent worked outside of county of residence	37.3	36.9

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Paradis in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	0
Skimmers	3-4 (small on trailers)
Butterfly	0
Crabbers	0
Oyster	0
Other Commercial	0
<b>Recreational Fishing Boats</b>	-
Freshwater	20-30
Saltwater	4-5
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	0
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	0
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Paradis in 2003**

None listed.

**Table 4. Paradis Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	305,492	248,665

**Table 5. Paradis License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address data)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
2	0	242	13
Total = 2			
% Households Holding Commercial Permit or License: 2/438 = .4		Average Number of Licenses per Household: 242/438 = .6	--

Please reference Table 3.18-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.19 St. James Parish Community

This section describes the community of Vacherie in St. James Parish. The economy of St. James Parish is diverse, and based primarily in petrochemical manufacturing, agriculture, and tourism. Despite a significant decline in petrochemical manufacturing between 1990 and 1999, earnings from this industry still constituted 27 percent of total earnings for the parish. The parish reportedly survived the regional oil bust of the 1980s, largely because it is not solely oil-dependent. Sugar remains important to St. James' economy, and the parish brought in eight percent of the state's total sugar product in the late 1980s.

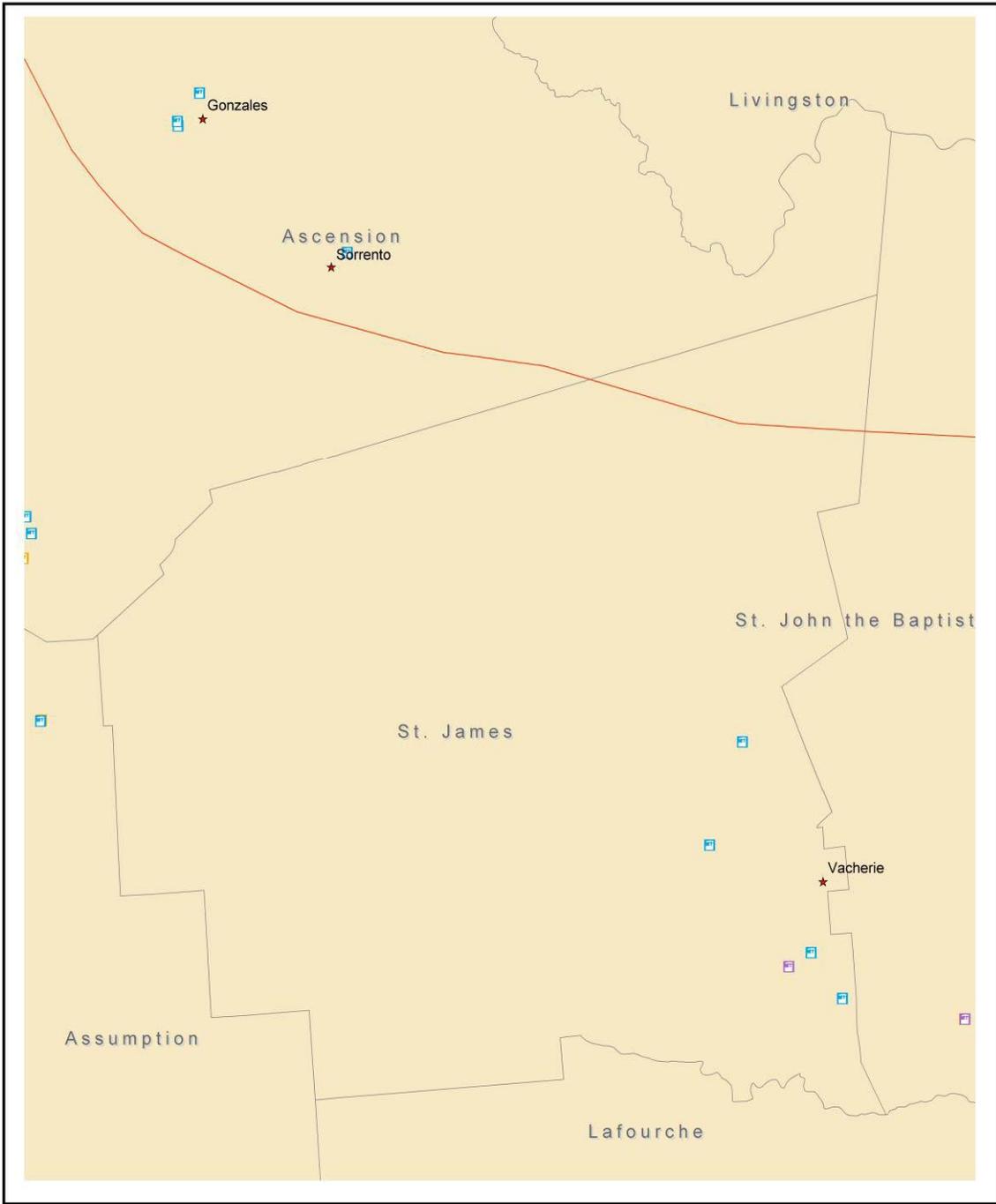
The year 2000 population of St. James Parish was 21,216 persons, making it the 46<sup>th</sup> most populous parish in Louisiana that year. The parish seat is Convent, located 60 miles west of New Orleans. Other communities include South Vacherie (3,462 residents in 2000), Lutcher (4,131), Gramercy (2,824), and North Vacherie (2,354).

St. James' distance from the Gulf means fishing-related activities here are minimal. Local aquaculture businesses primarily involve crawfish farming. In 2002, St. James Parish produced 559,500 pounds of crawfish, representing a gross farm value of \$447,600 (Louisiana State University 2002). There is some crab harvest from vessels working around Vacherie.

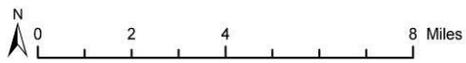
**Table 3.19-1 Year 2000 Permits and Licenses, and 2003 Gulf Shrimp Permits: St. James Parish\***

Permit Type	Study Communities
	Vacherie
Pelagic Charter	--
Reef Fish Charter	--
Swordfish	--
King Mackerel	--
Rock Shrimp	--
Red Snapper	--
Spiny Lobster	--
Spanish Mackerel	--
Gulf Reef Fish	--
Shark	--
South Atlantic Snapper Grouper	--
Total Permits 2000	--
Total Permit Holders 2000	--
Total State License Holders 2000	27
Gulf Shrimp Permits 2003 **	--

\* Includes all permits and licenses that can be attributed to the communities by *both* street and post office box addresses; these data are used to generate counts of permit and license holders for whom evidence indicates actual residence, as provided in the community descriptions. \*\* 2003 is the first year for which Gulf shrimp permit data are available.



**St. James Parish**



- |                                |              |
|--------------------------------|--------------|
| ★ Study Communities            | ● Reef       |
| 🏭 Seafood Processor and Dealer | ⚓ Wreck      |
| 🏢 Seafood Dealer               | ▲ Platform   |
| 🏭 Seafood Processor            | — Interstate |
| ● Reference Cities             |              |

### 3.19.1 Vacherie (unincorporated, pop. 2,829)

**Location and Overview.** Vacherie is located on the west bank of the Mississippi River, between Convent and New Orleans. The intersection of Highways 18 and 20 defines the town's center. Vacherie's economy is based primarily in agriculture, petrochemicals, and, to a lesser extent, tourism. Several plantation homes have been converted into bed and breakfast inns: most are listed on the National Historic Register and one dates from 1803. There is good recreational fishing at Lake Des Allemands, about ten miles away. This spot provides additional access to Lake Salvador and, ultimately, Barataria Bay. Swamp tours are offered in these areas.

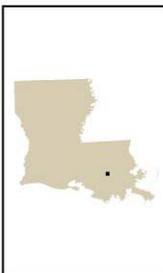
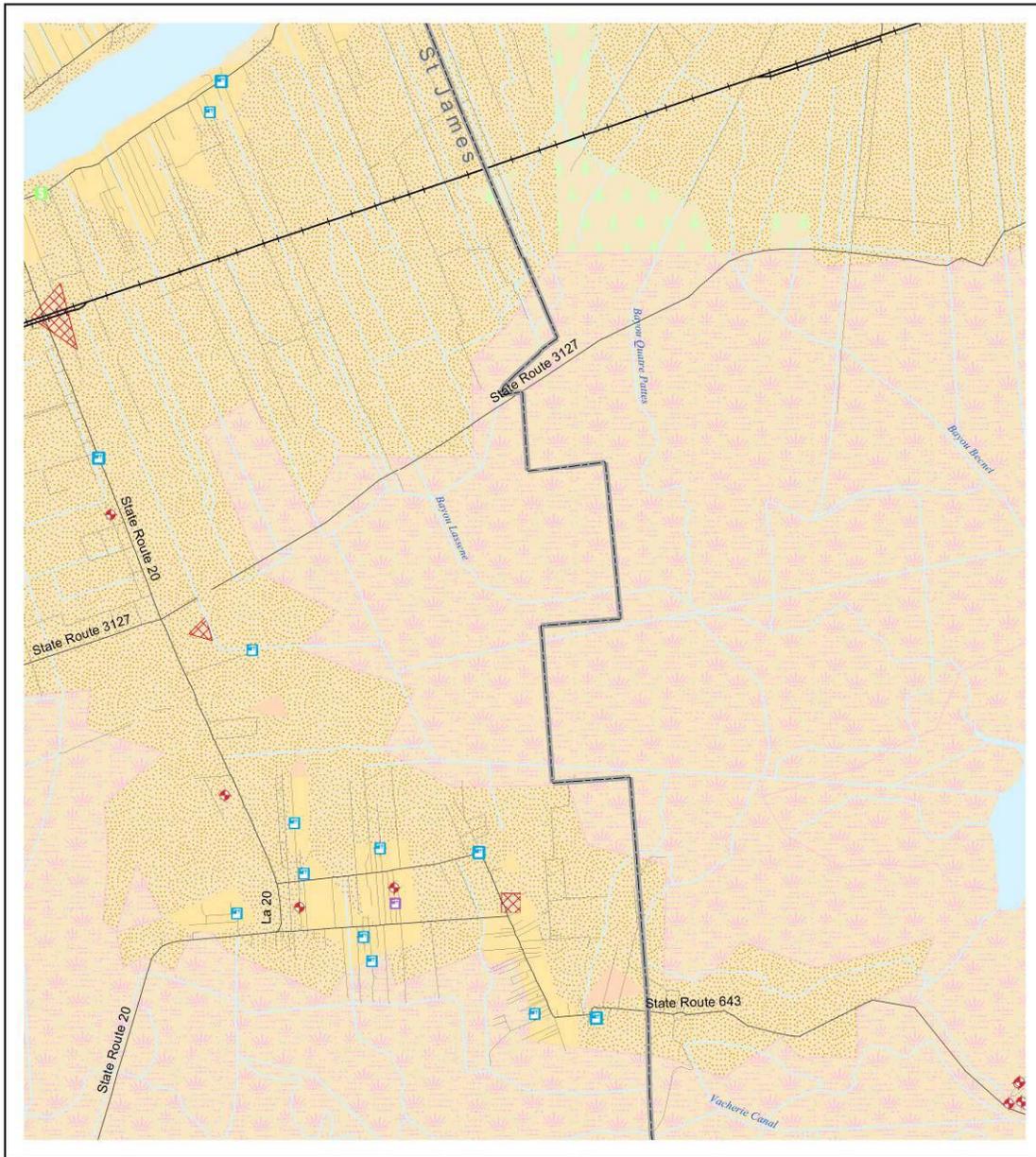


**Mississippi River Levee at Vacherie**

**Current Conditions and Trends.** Vacherie had a year 2000 population of 2,829 residents. While many residents fish recreationally, relatively few earn their living through commercial fishing. The nearest access to saltwater is ten miles away, and most moor or "put in" at Des Allemands. Local informants and fishery participants describe Vacherie as involved more deeply in oil support services and farming than fishing, asserting that anyone who really wants to make money works at one of the area's petrochemical plants. Nevertheless, a small but productive contingent of commercial operators is based here. Crab and catfish are the primary species of harvest. Two large seafood dealers are based here, one of which is a major catfish buyer who maintains repair facilities for recreational boats and engines. Marine supplies are also available. A local processor employed an average of five persons during 1990.



**Rural Route through Vacherie in 2003**



## Vacherie

Projection: Alber's Equal Area, NAD83  
 Data Sources: See Metadata Report  
 Printed: May 2004

- |  |   |   |  |
|--|---|---|--|
| <b>Transportation:</b><br>Highway<br>Major Rd.<br>Residential<br>Railroad<br><b>Boundaries:</b><br>River/Stream<br>Ocean/Lake<br>County<br>Municipal<br><b>Marine Features:</b><br>Platform<br>Reef<br>Wreck | <b>Land Use:</b><br>Forest<br>Wetland<br>Reservoir<br>Agriculture<br>Residential<br>Other Urban<br>Scrub/Shrub<br>Sand<br>Barren Land | Salt Flat<br>Transportation<br>Industrial/Commercial<br>Feeding Operation<br>Commercial/Service<br><b>License/Permit Types:</b><br>State Commercial<br>Federal<br>Federal/State<br>Federal/Federal Charter<br>Federal/Federal Charter/State | <b>Fishing Businesses:</b><br>Aquaculture<br>Boat Dealer/Broker<br>Fish Hatchery<br>Fishing Tackle/Dive Equipment<br>Headboat Operation<br>Marine Electronics Retail<br>Marina/Boatyard<br>Pier/Boat Rentals<br>Seafood Processor<br>Seafood Dealer<br>Seafood Processor and Dealer<br>Post Office |
|--|---|---|--|

Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Vacherie Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	2,689	2,829
<b>Gender Ratio M/F (Number)</b>	1,256/1,433	1,335/1,494
<b>Age (Percent of total population)</b>		
Under 18 years of age	37.1	31.8
18 to 64 years of age	54.8	58.1
65 years and over	8.1	10.1
<b>Ethnicity or Race (Number)</b>		
White	514	612
Black or African American	2,175	2,206
American Indian and Alaskan Native	0	0
Asian	0	0
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	0	10
Two or more races	N/A	1
Hispanic or Latino (any race)	17	24
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	19.6	7.4
Percent high school graduate or higher	60.1	74.6
Percent with a Bachelor's degree or higher	12.0	15.1
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	8.9	6.4
Percent who speak English less than very well	3.3	1.1
<b>Household income (Median \$)</b>	17,768	31,813
<b>Poverty Status (Percent of population with income below poverty line)</b>	42.4	24.8
<b>Percent female headed household</b>	33.0	27.7
<b>Home Ownership (Number)</b>		
Owner occupied	516	715
Renter occupied	255	174
<b>Value Owner-occupied Housing (Median \$)</b>	60,300	82,050
<b>Monthly Contract Rent (Median \$)</b>	112	103
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	55.4	51.2
Percent of civilian labor force unemployed	20.2	12.3
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	24.9
Service occupations	N/A	19.1
Sales and office occupations	N/A	17.9
Farming, fishing, and forestry occupations	5.0	0.5
Construction, extraction, and maintenance occupations	N/A	14.2
Production, transportation, and material moving occupations	N/A	17.9
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	7.2	2.9
Mining (includes the offshore oil/gas industry workforce)	2.2	0.0
Manufacturing	26.1	26.4
Percent government workers	22.6	21.5
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	N/A
Percent worked outside of county of residence	36.5	59.8

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Vacherie in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	--
Trawls	5-10
Skimmers	5-10
Butterfly	5-10
Crabbers	5-10
Oyster	0
Other Commercial	10-20
<b>Recreational Fishing Boats</b>	--
Freshwater	30-50
Saltwater	30-50
<b>Infrastructure and Services</b>	--
Marinas	0
Seafood Docks/Dealers	3
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Commercial Marine Supply	1
Seafood Transport	3

**Table 3. Primary Fishing-related Businesses Listed for Vacherie in 2003**

Type of Business	Frequency
Boat Builder/Broker	1
Boat Rentals & Pier	1
Processor; Seafood Dealer (Wholesaler)	1
Seafood Retailer	2
Seafood Dealer (Wholesaler)	2
Total	7

**Table 4. Vacherie Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	543,711	338,652

**Table 5. Vacherie License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
18	0	780	333
Total = 18		Average Number of Licenses per Household: 780/889 = .9	--
% Households Holding Commercial Permit or License: 18/889 = 2.0			

Please reference Table 3.19-1 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### **3.20 St. John the Baptist Parish Communities**

This section describes the two study communities in St. John the Baptist Parish. These are La Place and Reserve.

St. John the Baptist Parish is bordered on the north by St. Tammany and Tangipahoa Parishes, on the east by Orleans Parish, on the south by Jefferson Parish and St. Charles Parish, and on the west by St. James, Ascension, and Livingston Parishes. Over a third of the parish is water. The parish encompasses 129 square miles of water area and 219 miles of land. The Mississippi River bisects the parish on an east-west axis.

The year 2000 population of this parish was 43,044 persons, making it the 26<sup>th</sup> most populous in Louisiana that year. Edgard is the parish seat, and was home to 2,637 persons as of the year 2000 census.

St. John the Baptist Parish is well-suited for agriculture, and attracted German settlers early in the eighteenth century. Sugar was introduced to the area in 1751 by the Jesuit priests, and has remained one of the primary industries here. Today, sugarcane fields predominate along the west bank of the Mississippi, while the east is largely industrial. Much of the area lies in a region that produces oil and gas, and the parish has its share of onshore oil fields. The petrochemical industry is central to the parish economy.

Per the year 2000 census, the racial composition of the parish population was 53 percent Caucasian, 45 percent African American and three percent Hispanic. Median family income was \$39,456; this figure was 120 percent of the state median. Some 17 percent of residents lived in conditions of poverty as of the year 2000 census, and 23 percent of families with children were maintained by single females.

Proximity to Lake Pontchartrain enables a small freshwater commercial fishery in the parish. Some \$148,862 was generated through sale of wild catfish in 2002. Marine fisheries production is more limited and generated revenue in 2002 totaling \$40,126. Nearly 75 percent of that total was from the crab harvest. Gross farm value for aquaculture products, largely in the form of bait, totaled \$63,770 (Louisiana State University 2002:239).

**Table 3.20-1 Earnings in St. John the Baptist Parish, 1990-2000**

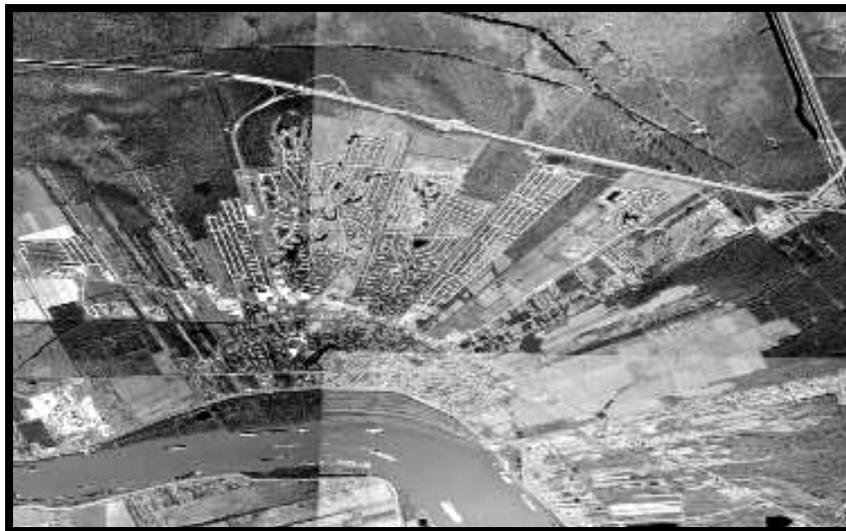
Industry	Earnings (Constant 2000 \$1000s)		Percent Share of 2000 Earnings	\$ Change 1990-2000
	1990	2000		
<b>Earnings</b>	444,748	489,248	100.0	44,499
<b>Farm earnings</b>	675	1,841	0.4	1,166
<b>Ag. services, frstry, fish.</b>	2,183	2,521	0.5	339
Fishing	NA	NA	NA	NA
<b>Mining</b>	9,787	7,736	1.6	-2,051
Oil and gas extraction	9,786	NA	NA	NA
<b>Construction</b>	68,505	62,233	12.7	-6,272
Special trade contractors	10,374	25,269	5.2	14,896
<b>Manufacturing</b>	148,577	147,398	30.1	-1,179
Fabricated metal products	NA	1,998	0.4	NA
Industrial mach. & equip.	NA	NA	NA	NA
Food and kindred	NA	7,439	1.5	NA
Chemicals and allied	61,297	56,419	11.5	-4,878
Petroleum and coal	35,615	NA	NA	NA
<b>Transportation, public utilities</b>	30,357	38,543	7.9	8,186
Trucking and warehousing	5,944	12,504	2.6	6,561
Water transportation	9,230	12,762	2.6	3,532
Transportation by air	NA	NA	NA	NA
<b>Wholesale trade</b>	23,071	29,240	6.0	6,170
<b>Retail trade</b>	28,855	39,059	8.0	10,204
Eating and drinking places	6,202	9,590	2.0	3,388
<b>Fin., ins., and real estate</b>	9,281	13,442	2.7	4,161
<b>Services</b>	67,801	83,541	17.1	15,739
Business services	16,519	14,982	3.1	-1,537
Health services	20,222	30,397	6.2	10,174
Legal services	3,872	4,539	0.9	667
Engineer. & mngmt. serv.	9,037	5,637	1.2	-3,400
<b>Government</b>	55,657	63,694	13.0	8,037

Source: Bureau of Economic Analysis, Regional Economic Information System, 1999.

**Table 3.20-2 Year 2000 Permits and Licenses, and 2003 Gulf Shrimp Permits: St. John the Baptist Parish\***

Permit Type	Study Communities	
	La Place	Reserve
Pelagic Charter	--	--
Reef Fish Charter	--	--
Swordfish	--	--
King Mackerel	--	--
Rock Shrimp	--	--
Red Snapper	--	--
Spiny Lobster	--	--
Spanish Mackerel	--	--
Gulf Reef Fish	--	--
Shark	--	--
South Atlantic Snapper Grouper	--	--
Total Permits 2000	--	--
Total Permit Holders 2000	--	--
Total State License Holders 2000	37	15
Gulf Shrimp Permits 2003 **	--	--

\* Includes all permits and licenses that can be attributed to the communities by *both* street and post office box addresses; these data are used to generate counts of permit and license holders for whom evidence indicates actual residence, as provided in the community descriptions. \*\* 2003 is the first year for which Gulf shrimp permit data are available.



**USGS Stitched Aerial Imagery of La Place**



**St. John the Baptist Parish**

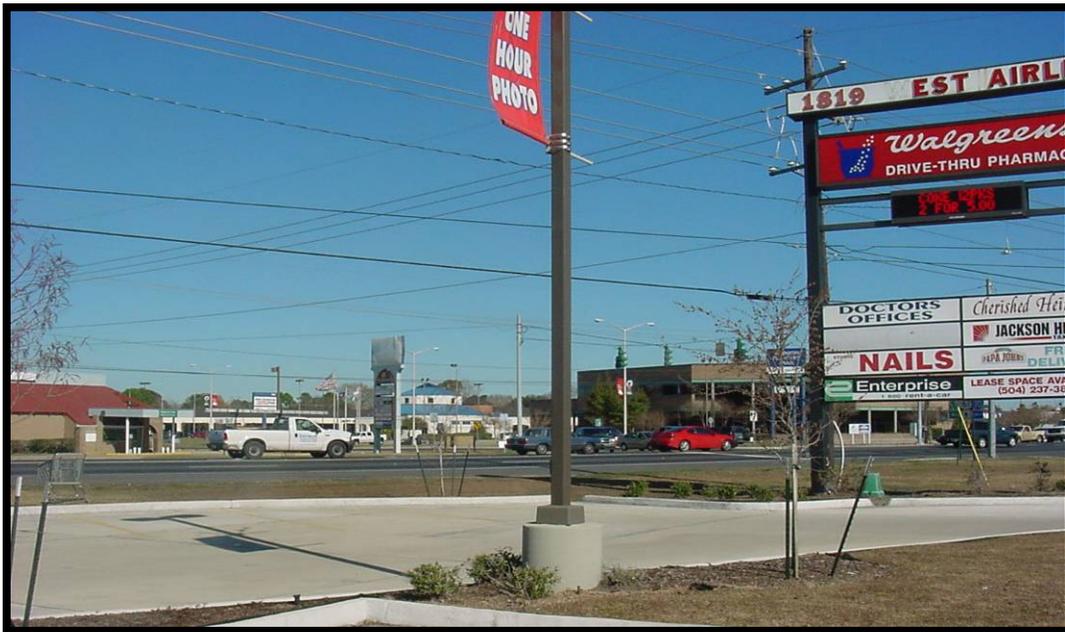
★ Study Communities	● Reef
■ Seafood Processor and Dealer	⚓ Wreck
■ Seafood Dealer	▲ Platform
■ Seafood Processor	— Interstate
● Reference Cities	

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 0 2.5 5 10 Miles

### 3.20.1 La Place (unincorporated, pop. 27,684)

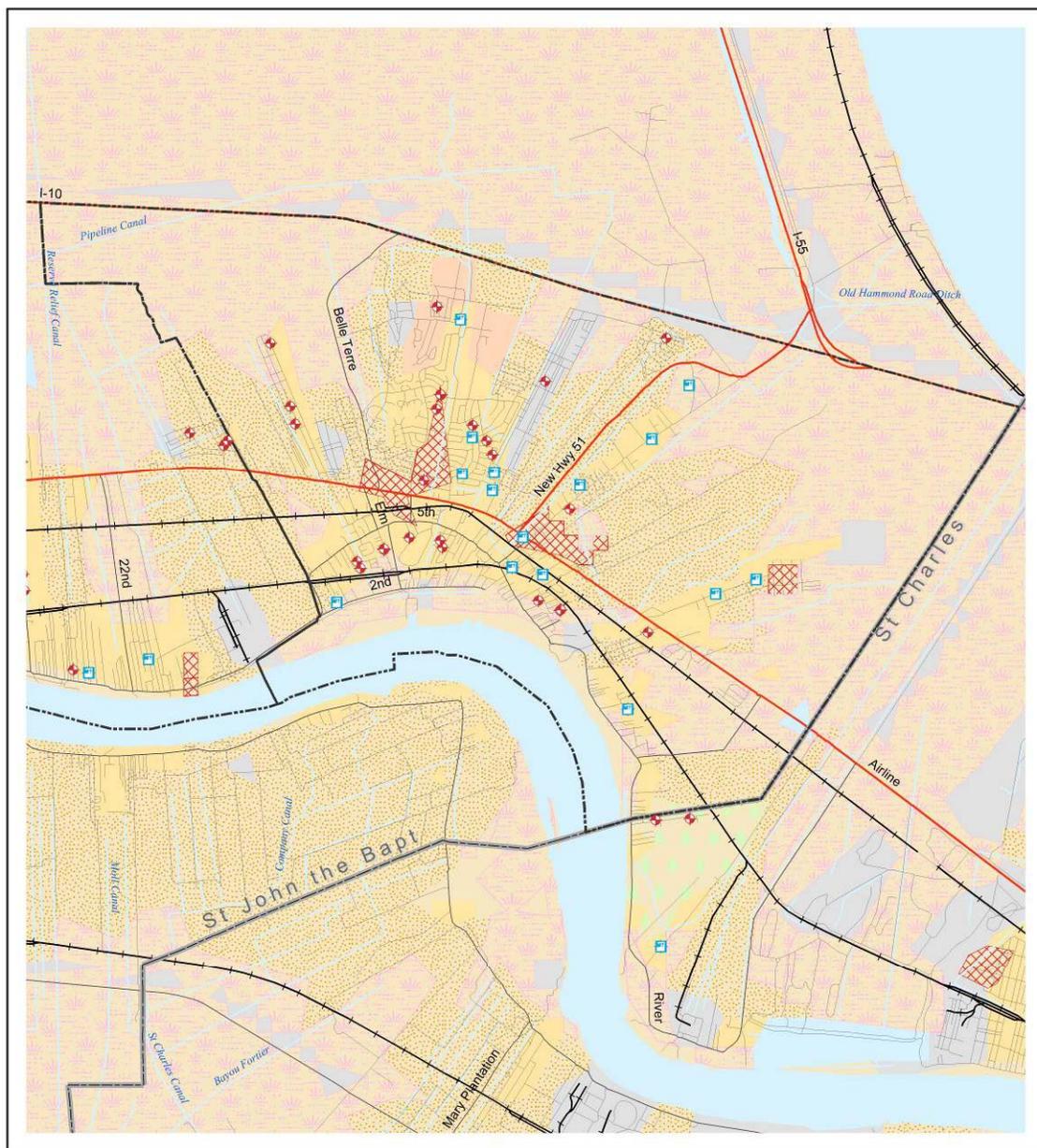
**Location and Overview.** La Place is a suburb of a New Orleans suburb located along the Mississippi. It is also the largest town in the St. Charles, St. James, and St. John the Baptist tri-parish area. The town is a retail destination, and there are many oil, sugar, and chemical plants here. For the most part, La Place residents either work at these plants or commute to New Orleans. La Place is located near noted fisheries areas, such as Des Allemands and Lake Pontchartrain. Gulf of Mexico access is also possible.

**History.** La Place was named after French entrepreneur Basile La Place, who came to New Orleans to open a pharmaceutical business. Once established, Monsieur La Place acquired several plantations which he combined to call “La Place Plantation.” In 1879, he sold the right-of-way through his property to the New Orleans and Mississippi Valley Railroad Company, and the station here was named in his honor.



Highway 61 through La Place

**Current Conditions and Trends.** La Place had a year 2000 population of 27,684 persons, an increase of 3,490 since 1990. Relatively few residents participate in the commercial fishing industry in La Place (our map includes some licenses active in nearby areas), and its few existing services for fishing are in decline. For example, there is a single recreational boat sale and repair facility in La Place. The owner indicates that he plans to retire soon and lease his building. He does not anticipate that it will continue as a marine-related business. Many residents do fish recreationally, and there are several seafood outlets here. Shrimp and crab were the most frequently reported commercial landings for La Place residents in 2000. No seafood processors are located in La Place.



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. La Place Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	24,194	27,684
<b>Gender Ratio M/F (Number)</b>	11,944/12,250	13,604/14,080
<b>Age (Percent of total population)</b>		
Under 18 years of age	34.7	31.2
18 to 64 years of age	59.8	62.3
65 years and over	5.5	6.5
<b>Ethnicity or Race (Number)</b>		
White	18,448	16,904
Black or African American	5,299	9,860
American Indian and Alaskan Native	80	90
Asian	146	195
Native Hawaiian and other Pacific Islander	N/A	6
Some other race	221	306
Two or more races	N/A	323
Hispanic or Latino (any race)	762	1,021
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	8.4	5.5
Percent high school graduate or higher	78.8	81.8
Percent with a Bachelor's degree or higher	14.2	15.8
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	5.9	7.3
And Percent who speak English less than very well	1.9	2.4
<b>Household income (Median \$)</b>	34,295	45,103
<b>Poverty Status (Percent of population with income below poverty line)</b>	11.4	12.1
<b>Percent female headed household</b>	11.8	14.9
<b>Home Ownership (Number)</b>		
Owner occupied	6,102	7,458
Renter occupied	1,608	1,713
<b>Value Owner-occupied Housing (Median \$)</b>	67,300	90,100
<b>Monthly Contract Rent (Median \$)</b>	304	516
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	69.3	65.8
Percent of civilian labor force unemployed	4.7	5.7
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	26.3
Service occupations	N/A	14.3
Sales and office occupations	N/A	29.6
Farming, fishing, and forestry occupations	0.8	0.3
Construction, extraction, and maintenance occupations	N/A	14.0
Production, transportation, and material moving occupations	N/A	15.6
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	0.8	0.3
Mining (includes the offshore oil/gas industry workforce)	1.0	0.5
Manufacturing	18.6	14.4
Percent government workers	10.3	10.7
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	27.9
Percent worked outside of county of residence	59.2	58.8

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in La Place in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	None Seen
Skimmers	None Seen
Butterfly	None Seen
Crabbers	None Seen
Oyster	None Seen
Other Commercial	None Seen
<b>Recreational Fishing Boats</b>	-
Freshwater	100-150
Saltwater	50-100
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	2-4
Commercial Ship/Boat Repair	None Seen
Commercial Ship/Boat Builder	None Seen
Net Makers/Dealers	0
Commercial Marine Supply	1
Seafood Transport	2
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for La Place in 2003**

Type of Business	Frequency
Boat Dealers	1
Total	1

**Table 4. La Place Commercial Landings and Value Summary: 2000** (based on all address data)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total	127,108	146,031

**Table 5. La Place License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address data)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
36	0	3,172	4,457
Total = 36			
% Households Holding Commercial Permit or License: 36/9,171 = .4		Average Number of Licenses per Household: 3,172/9,171 = .3	--

Please reference Table 3.20-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### **3.20.2 Reserve** (unincorporated, pop. 9,111)

***Location and Overview.*** Reserve is situated along the banks of the Mississippi River in the Greater New Orleans Metropolitan Area. The towns of Garyville, Litcher, and Gramercy are closely related to Reserve. The tri-parish area of St. John, St. Charles, and St. James encompasses one of the largest concentrations of petrochemical plants in the United States.

***History.*** Reserve is the site of the first Acadian settlement in Louisiana in 1756. The historic San Francisco and Godchaux plantations (both settled in 1760) are located in Reserve. Agriculture predominated for almost two hundred years until petrochemicals surpassed sugarcane farming in the mid-1900s.

***Current Conditions and Trends.*** Reserve had a year 2000 population of 9,111 persons, up from 8,847 in 1990. While few residents here earn their living from commercial fishing, a small commercial contingent does operate from the Des Allemands area, most of whom pursue shrimp. There is little fishing infrastructure here.



**USGS Image of Rural Reserve, Louisiana**



Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only.

**Table 1. Reserve Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	8,847	9,111
<b>Gender Ratio M/F (Number)</b>	4,262/4,585	4,338/4,773
<b>Age (Percent of total population)</b>		
Under 18 years of age	33.3	32.2
18 to 64 years of age	58.0	58.3
65 years and over	8.7	9.5
<b>Ethnicity or Race (Number)</b>		
White	4,691	4,024
Black or African American	4,076	4,913
American Indian and Alaskan Native	17	17
Asian	12	29
Native Hawaiian and other Pacific Islander	N/A	2
Some other race	51	55
Two or more races	N/A	71
Hispanic or Latino (any race)	173	180
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	13.2	8.5
Percent high school graduate or higher	66.4	71.5
Percent with a Bachelor's degree or higher	7.6	7.9
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	7.1	5.1
And Percent who speak English less than very well	2.7	1.8
<b>Household income (Median \$)</b>	22,517	32,466
<b>Poverty Status (Percent of population with income below poverty line)</b>	23.9	21.5
<b>Percent female headed household</b>	17.4	22.2
<b>Home Ownership (Number)</b>		
Owner occupied	2,297	2,428
Renter occupied	585	640
<b>Value Owner-occupied Housing (Median \$)</b>	52,500	67,400
<b>Monthly Contract Rent (Median \$)</b>	247	467
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	59.7	56.7
Percent of civilian labor force unemployed	10.6	8.8
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	19.9
Service occupations	N/A	17.4
Sales and office occupations	N/A	26.6
Farming, fishing, and forestry occupations	0.9	0
Construction, extraction, and maintenance occupations	N/A	15.3
Production, transportation, and material moving occupations	N/A	20.8
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	0.6	0.0
Mining (includes the offshore oil/gas industry workforce)	0.6	0.7
Manufacturing	25.0	18.7
Percent government workers	15.1	12.3
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	27.0
Percent worked outside of county of residence	39.6	45.9

\*\*Differences in the types of data the U.S. Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Reserve in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	0
Skimmers	3-5 (small on trailers)
Butterfly	0
Crabbers	0
Oyster	0
Other Commercial	5-10
<b>Recreational Fishing Boats</b>	-
Freshwater	75-100
Saltwater	40-50
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	0
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0

**Table 3. Primary Fishing-related Businesses Listed for Reserve in 2003**

Business	Frequency
Boat Builders	1
Total	1

**Table 4. Reserve Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	60,916	92,730

**Table 5. Reserve License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
9	0	730	312
Total = 9			
% Households Holding Commercial Permit or License: $9/3,068 = .2$		Average Number of Licenses per Household: $730/3,068 = .2$	--

Please reference Table 3.20-2 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.

### 3.21 St. Landry Parish Community

This section describes Krotz Springs, the sole study community in St. Landry Parish. St. Landry Parish is located northwest of Baton Rouge and northeast of Lafayette. Avoyelles Parish lies to the north, Pointe Coupee and St. Martin Parishes to the east, Lafayette and Acadia Parishes are south, and Evangeline Parish is west. The parish encompasses 929 square miles of land and ten square miles of water within Bayou Teche.

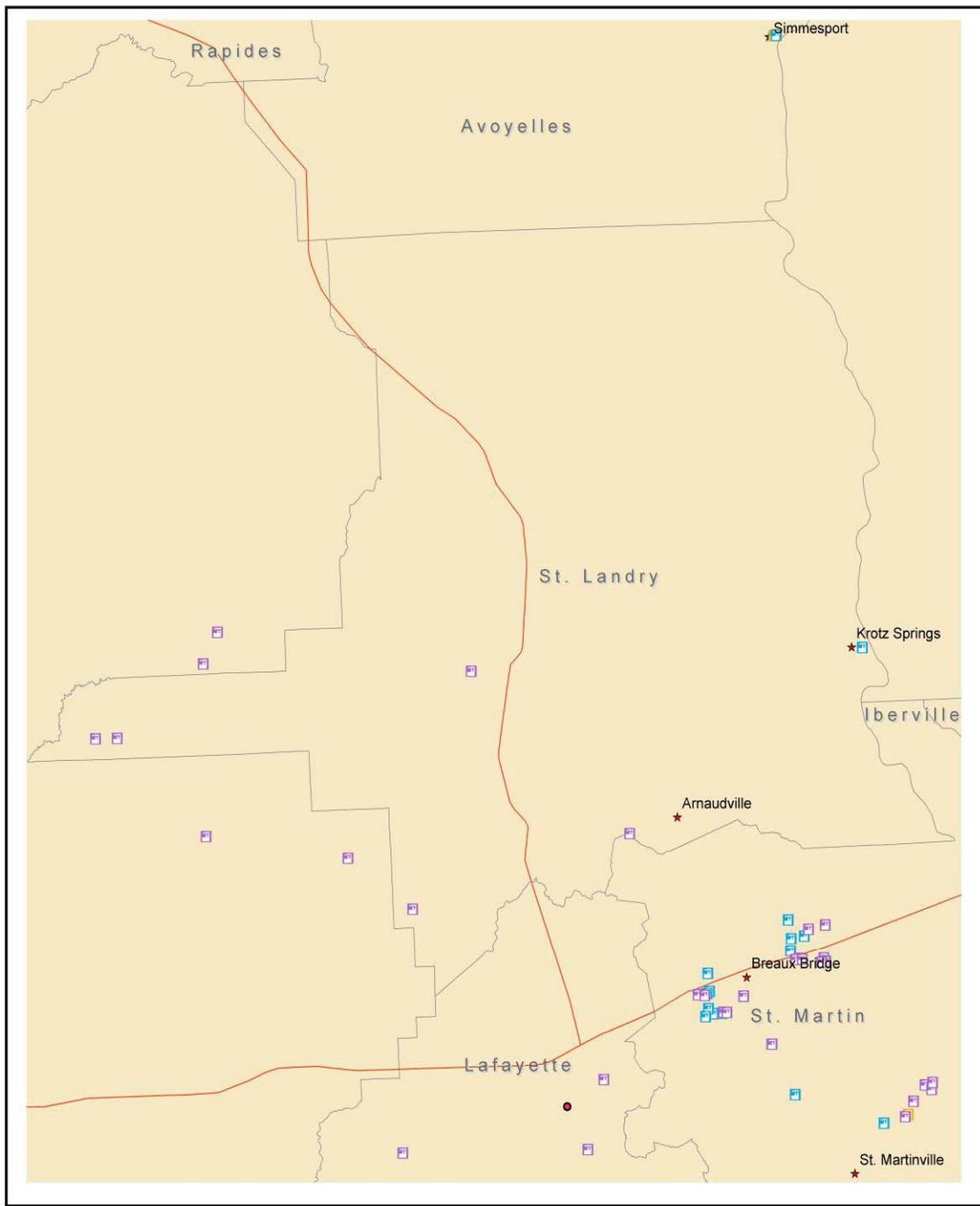
St. Landry was one of first European settlements in the state - *Le Poste des Opelousas*. The post was established by the French in 1720 as a center of administration for settlements in the western part of the state. Today, St. Landry is home to some 87,700 persons, making it the 15<sup>th</sup> most populous parish in 2000. Opelousas is the parish seat, with a year 2000 population of 22,060 persons.

The St. Landry Parish economy was once based largely in cattle, but over the last half-century has become dependent, in part, on production of feed grain and soybeans (Goins and Caldwell 1995: 82). The service sector is also important. Some residents commute to jobs in Lafayette, while others work in onshore and offshore oil fields. Total gross farm value for aquaculture products was \$5.7 million, and freshwater fisheries products were valued at \$224,453 (Louisiana State University 2002: 244).

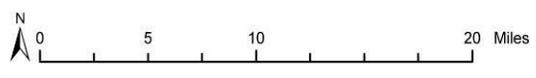
**Table 3.21-1 Year 2000 Permits and Licenses, and 2003 Gulf Shrimp Permits: St. Landry Parish\***

Permit Type	Study Communities
	Krotz Springs
Pelagic Charter	--
Reef Fish Charter	--
Swordfish	--
King Mackerel	--
Rock Shrimp	--
Red Snapper	--
Spiny Lobster	--
Spanish Mackerel	--
Gulf Reef Fish	--
Shark	--
South Atlantic Snapper Grouper	--
Total Permits 2000	--
Total Permit Holders 2000	--
Total State License Holders 2000	26
Shrimp Permits 2003 **	--

\* Includes all permits and licenses that can be attributed to the communities by *both* street and post office box addresses; these data are used to generate counts of permit and license holders for whom evidence indicates actual residence, as provided in the community descriptions. \*\* 2003 is the first year for which Gulf shrimp permit data are available.



**St. Landry Parish**



- ★ Study Communities
- Seafood Processor and Dealer
- ▲ Seafood Dealer
- Seafood Processor
- Reference Cities
- Reef
- ⚓ Wreck
- ▲ Platform
- Interstate

### 3.21.1 Krotz Springs (incorporated, pop. 1,219)

**Location and Overview.** Krotz Springs is located along Highway 190, in the eastern-most portion of St. Landry Parish. The town is directly adjacent to the Atchafalaya River. Highway 190, built along an early rail line, was once the main east-west thoroughfare in the region. Interstate 10 has reduced flow through the town, and many small businesses have relocated or closed. This, in turn, has forced residents of Krotz Springs to travel to nearby Opelousas or Port Barre for certain services. Highway 190 does provide the most direct route to several recreational fishing areas, including False River and the Atchafalaya River and Basin.

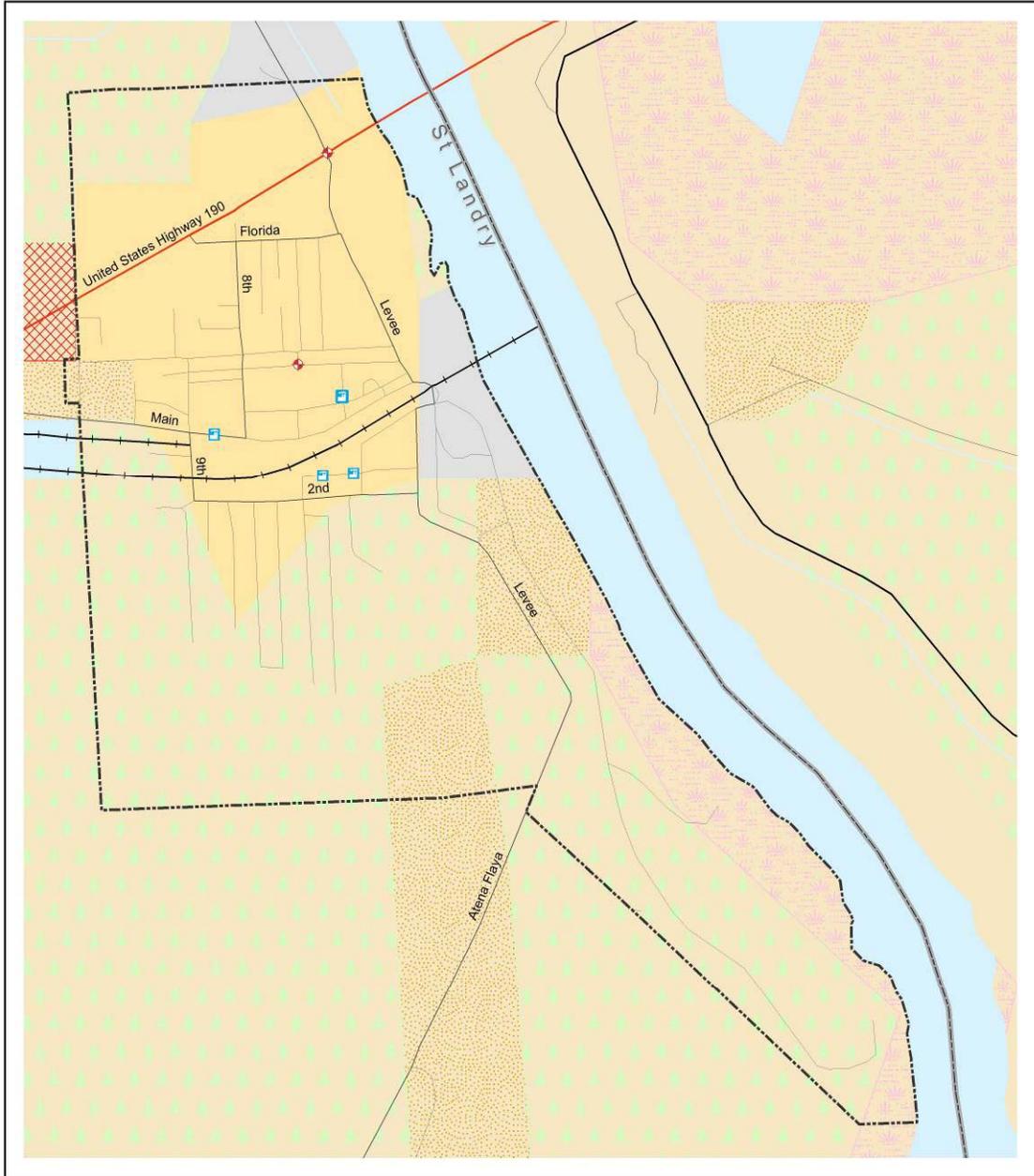


**Main Street Krotz Springs with the Atchafalaya River Bridge in Background**

**Current Conditions and Trends.** Krotz Springs had a year 2000 population of 1,219 persons, up slightly from 1990. Many residents are employed in jobs in nearby gas and oil fields and refineries. Many such persons fish on a recreational basis in nearby water bodies. There is also a small commercial fleet based here. Herring and crawfish were the primary landings in 2000. Informants from this group assert that increasingly stringent regulations and declining profits have diminished the local commercial fleet. Some former participants, reportedly, have relocated or quit fishing in favor of more reliable employment at the area's plants and refineries. A local seafood wholesaler estimates that 50 commercial fishers lived in Krotz Springs as recently as five years ago, but this number is now half that, at best. This same wholesaler has considered leaving the industry, but feels ill-equipped to change occupations at this point in life.



**Boat ramp at Krotz Springs in 2003**



### Krotz Springs

Projection: Alber's Equal Area, NAD83  
Data Sources: See Metadata Report  
Printed: May 2004

<p><b>Transportation:</b></p> <ul style="list-style-type: none"> <li>— Highway</li> <li>— Major Rd.</li> <li>— Residential</li> <li>— Railroad</li> </ul> <p><b>Boundaries:</b></p> <ul style="list-style-type: none"> <li>— River/Stream</li> <li>— Ocean/Lake</li> <li>— County</li> <li>— Municipal</li> </ul> <p><b>Marine Features:</b></p> <ul style="list-style-type: none"> <li>▲ Platform</li> <li>▲ Reef</li> <li>▲ Wreck</li> </ul>	<p><b>Land Use:</b></p> <ul style="list-style-type: none"> <li>■ Forest</li> <li>■ Wetland</li> <li>■ Reservoir</li> <li>■ Agriculture</li> <li>■ Residential</li> <li>■ Other Urban</li> <li>■ Scrub/Shrub</li> <li>■ Sand</li> <li>■ Barren Land</li> </ul>	<ul style="list-style-type: none"> <li>■ Salt Flat</li> <li>■ Transportation</li> <li>■ Industrial/Commercial</li> <li>■ Feeding Operation</li> <li>■ Commercial/Service</li> </ul> <p><b>License/Permit Types:</b></p> <ul style="list-style-type: none"> <li>◆ State Commercial</li> <li>◆ Federal</li> <li>◆ Federal/State</li> <li>◆ Federal/Federal Charter</li> <li>◆ Federal/Federal Charter/State</li> </ul>	<p><b>Fishing Businesses:</b></p> <ul style="list-style-type: none"> <li>● Aquaculture</li> <li>● Boat Dealer/Broker</li> <li>● Fish Hatchery</li> <li>● Fishing Tackle/Dive Equipment</li> <li>● Headboat Operation</li> <li>● Marine Electronics Retail</li> <li>● Marina/Boatyard</li> <li>● Pier/Boat Rentals</li> <li>● Seafood Processor</li> <li>● Seafood Dealer</li> <li>● Seafood Processor and Dealer</li> <li>● Post Office</li> </ul>
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Note: This map depicts spatial distribution of fishing-related entities at the street-level of resolution and thus derives from physical address data only. Numerous licenses are not depicted for Krotz Springs given limited availability of physical address data.

**Table 1. Krotz Springs Demographics**

<b>Factor</b>	<b>1990</b>	<b>2000</b>
<b>Total population</b>	1,285	1,219
<b>Gender Ratio M/F (Number)</b>	598/687	595/624
<b>Age (Percent of total population)</b>		
Under 18 years of age	31.7	26.9
18 to 64 years of age	58.0	59.6
65 years and over	10.3	13.5
<b>Ethnicity or Race (Number)</b>		
White	1,285	1,208
Black or African American	0	3
American Indian and Alaskan Native	0	1
Asian	0	0
Native Hawaiian and other Pacific Islander	N/A	0
Some other race	0	1
Two or more races	N/A	6
Hispanic or Latino (any race)	10	9
<b>Educational Attainment ( Population 25 and over)</b>		
Percent with less than 9th grade	31.3	22.4
Percent high school graduate or higher	47.9	56.7
Percent with a Bachelor's degree or higher	2.2	3.8
<b>Language Spoken at Home (Population 5 years and over)</b>		
Percent who speak a language other than English at home	11.2	6.0
And Percent who speak English less than very well	3.9	0.7
<b>Household income (Median \$)</b>	14,063	26,823
<b>Poverty Status (Percent of population with income below poverty line)</b>	32.6	22.5
<b>Percent female headed household</b>	12.6	11.8
<b>Home Ownership (Number)</b>		
Owner occupied	347	373
Renter occupied	113	117
<b>Value Owner-occupied Housing (Median \$)</b>	40,200	69,800
<b>Monthly Contract Rent (Median \$)</b>	146	335
<b>Employment Status (Population 16 yrs and over)</b>		
Percent in the labor force	39.7	51.5
Percent of civilian labor force unemployed	4.7	4.3
<b>Occupation** (Percent in workforce)</b>		
Management, professional, and related occupations	N/A	21.6
Service occupations	N/A	14.9
Sales and office occupations	N/A	20.3
Farming, fishing, and forestry occupations	2.1	1.7
Construction, extraction, and maintenance occupations	N/A	17.7
Production, transportation, and material moving occupations	N/A	23.9
<b>Industry** (Percent in workforce)</b>		
Agriculture, forestry, fishing and hunting	1.5	2.1
Mining (includes the offshore oil/gas industry workforce)	3.7	5.2
Manufacturing	29.5	12.7
Percent government workers	19.8	12.1
<b>Commuting to Work (Workers 16 yrs and over)</b>		
Mean travel time to work (minutes)	N/A	30.4
Percent worked outside of county of residence	27.7	39.4

\*\* Differences in the types of data the US Census Bureau used to generate Occupation and Industry percentages in 1990 and 2000 preclude valid comparisons for those census years.

**Table 2. Fishing Infrastructure and Services Observed in Krotz Springs in 2003**

Factor	Quantity
<b>Boats with Commercial Gear</b>	-
Trawls	0
Skimmers	0
Butterfly	0
Crabbers	0
Oyster	0
Other Commercial	0
<b>Recreational Fishing Boats</b>	-
Freshwater	40-50
Saltwater	None seen
<b>Infrastructure and Services</b>	-
Marinas	0
Seafood Docks/Dealers	0
Commercial Ship/Boat Repair	0
Commercial Ship/Boat Builders	0
Net Makers/Dealers	0
Commercial Marine Supply	0
Seafood Transport	0
Air Fill Stations (diving)	0
Fishing Pier	0

**Table 3. Primary Fishing-related Businesses Listed for Krotz Springs in 2003**

Type of Business	Frequency
Seafood Retailer	1
Total	1

**Table 4. Krotz Springs Commercial Landings and Value Summary: 2000** (based on all address fields)

Species	Pounds Reported	Ex-Vessel Value (\$)
Total Combined	1,000,204	705,245

**Table 5. Krotz Springs License/Permit Summary: 2000**

Commercial (based on physical address data only)		Recreational (based on all address fields)	
State License Holders	Federal Permit Holders	State Saltwater License Holders (all types)	Total Sold in Community
4	0	173	127
Total = 4		Average Number of Licenses per Household: 173/490 = .4	--
% Households Holding Commercial Permit or License: 4/490 = .8			

Please reference Table 3.21-1 above for the total number of commercial permit and license holders attributable to this community as based on both street *and* post office box address data.