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12.0 TABLES

Table 1: Performance and Average Price of Bycatch Reduction Devices Tested in the Gulf of Mexico

BRD TYPE	REDUCTION CRITERION			Shrimp Loss (Percent)	Average Price per Unit
	Percentage Reduction in Red Snapper (Ages 0 - 1) Mortality	Percentage Reduction in CPUE on Red Snapper (Ages 0 - 1)	Percentage Reduction in Total Finfish Bycatch (by weight)		
Fisheye Legal 8.5'-10.5'	26.6 (5.5 - 47.8)	26.6 (5.5 - 47.5)	22.8 (18.0 - 27.5)	6.3 (4.0 - 8.7)	\$45
Fisheye Legal 10.6'-12.5'	10.8 (-1.3 - 22.9)	8.8 (1.1 - 16.5)	13.5 (11.1 - 15.9)	1.6 (-0.4 - 3.6)	\$45
Fisheye – All	9.4 (3.3 - 15.5)	6.2 (0.1 - 12.2)	17.0 (16.1 - 17.9)	1.2 (0.4 - 2.1)	\$45
Jones Davis	52 (* *)	40.0 (30.0 - 50.0)	58.0 (53.0 - 63.0)	4.0 (0.0 - 9.0)	\$425
Modified Jones Davis	30.6 (25.6 - 35.7)	24.1 (18.6 - 29.6)	33.1 (30.3 - 36.0)	3.2 (1.4 - 4.9)	\$200
Extended Funnel	25.1 (11.8 - 38.4)	17.4 (6.5 - 28.2)	26.6 (21.7 - 31.6)	2.2 (-1.7 - 6.0)	\$350

Source: Dan Foster, NMFS – 95% confidence interval in parentheses; ** based on Goodyear model: confidence interval not available.

Table 2: Certifiable Bycatch Reduction Devices under Considered Management Alternatives

BRD TYPE	Alternative 1	Alternative 2			Alternative 3			
	44 % Reduction in Red Snapper (Ages 0-1) Mortality	Percentage Reduction in CPUE on Red Snapper (Ages 0 - 1)			Percentage Reduction in Total Finfish Bycatch (by weight)			
	Status Quo	Option A 12 %	Option B 20 %	Option C 30 %	Option A 10 %	Option B 20 %	Option C 30 %	Option D 40 %
Fisheye Legal 8.5'-10.5'		X	X		X	X		
Fisheye Legal 10.6'-12.5'					X			
Fisheye – All					X			
Jones Davis	X	X	X	X	X	X	X	X
Modified Jones Davis		X	X		X	X	X	
Extended Funnel		X			X	X		

Table 3. Distribution of Revenues and Selected Statistics for All Qualifying Vessels in 2004.

	<u>Gulf Food Shrimp Landings</u>	<u>Gulf Food Shrimp Revenues</u>	<u>Gulf Bait Shrimp Revenues</u>	<u>S. Atlantic Shrimp Revenues</u>	<u>S. Atlantic Non-Shrimp Revenues</u>	<u>Gulf Non-Shrimp Revenues</u>	<u>Total Shrimp Revenues</u>	<u>Total Revenues</u>	<u>Percentage of Revenue from Gulf Food Shrimp</u>
Number of vessels	2,666	2,666	2,666	2,666	2,666	2,666	2,666	2,666	2,666
Minimum	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
Maximum	335,132	\$647,723	\$12,574	\$1,042,292	\$189,023	\$531,209	\$1,042,292	\$1,045,992	100
Total	104,332,450	\$273,832,982	\$12,574	\$14,606,370	\$982,455	\$4,742,954	\$288,451,926	\$294,177,335	N/A
Mean	39,134	\$102,713	\$5	\$5,479	\$369	\$1,779	\$108,197	\$110,344	74.2
Standard Dev	42,992	\$115,396	\$244	\$39,829	\$6,331	\$18,465	\$119,496	\$119,786	42.8

Source: Mike Travis, NMFS (personal communication, 2006)

Table 4. Physical Characteristics and Selected Statistics for All Qualifying Vessels in 2004.¹

	<u>Crew Size</u>	<u>Number of Nets</u>	<u>Net Size (feet)</u>	<u>Vessel Age</u>	<u>Length (feet)</u>	<u>Horsepower</u>	<u>Fuel Capacity (gallons)</u>	<u>Gross Tons</u>	<u>Hold Capacity (tons)</u>
Number of vessels	2,205	2,201	2,203	2,664	2,666	2,660	2,665	2,455	1,324
Minimum	1	1	1	1.0	11.0	8.0	10.0	6.0	0.3
Maximum	6	4	93	104.0	131.0	3,412.0	80,000.0	1,860.0	110.0
Total	7,330.6	7,731.6	114,620.5	52,662.0	175,192.0	1,277,169.0	30,528,944.0	261,856.0	21,657.6
Mean	3.3	3.5	52.0	19.8	65.7	480.0	11,451.3	106.7	16.4
Standard Dev	0.8	0.9	16.9	11.8	16.3	269.2	10,144.7	82.2	13.4

Source: Mike Travis, NMFS (personal communication, 2006)

Table 5: Distribution of Additional Physical Characteristics for All Qualifying Vessels in 2004

<u>Hull Type</u>	<u>Percent</u>	<u>Refrigeration</u>	<u>Percent</u>	<u>Gear</u>	<u>Percent</u>
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¹The 2003 Vessel Operating Units File (VOUF) was the source of data for hull type, crew size, number of nets, and net size. The Gulf Shrimp Permits database is the source of data for all other characteristics. Characteristics data was not available for every qualifying vessel for a variety of reasons. For example, a vessel may not have been found in the VOUF (which only tracks Coast Guard documented vessels), the data may not have been provided by the permit owner, or the data is not applicable to particular vessels, as is the case with state registered boats and tonnage.

Steel	69.1	Freezer	49.2	Otter Trawl	99.2
Fiberglass	15.2	Ice	49.2	Skimmer Net	0.3
Wood	14.7	Live Well	1.6	Other	0.5
Other	1.0				

Source: Mike Travis, NMFS (personal communication, 2006)

Table 6. Distribution of Revenues and Selected Statistics for Large Qualifying Vessels in 2004

	<u>Gulf Food Shrimp Landings</u>	<u>Gulf Food Shrimp Revenues</u>	<u>Gulf Bait Shrimp Revenues</u>	<u>S. Atlantic Shrimp Revenues</u>	<u>S. Atlantic Non- Shrimp Revenues</u>	<u>Gulf Non- Shrimp Revenues</u>	<u>Total Shrimp Revenues</u>	<u>Total Revenues</u>	<u>Percentage of Revenue from Gulf Food Shrimp</u>
Number of Vessels	1,934	1,934	1,934	1,934	1,934	1,934	1,934	1,934	1,934
Minimum	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
Maximum	335,132	\$647,723	\$0	\$1,042,292	\$189,023	\$531,209	\$1,042,292	\$1,045,992	100
Total	92,362,260	\$256,544,514	\$0	\$14,245,996	\$975,831	\$1,942,175	\$270,790,510	\$273,708,516	N/A
Mean	47,757	\$132,650	\$0	\$7,366	\$505	\$1,004	\$140,016	\$141,525	80.5
Standard Dev	45,063	\$121,049	\$0	\$46,448	\$7,429	\$16,951	\$124,697	\$125,033	38.9

Source: Mike Travis, NMFS (personal communication, 2006)

Table 7. Physical Characteristics and Selected Statistics for Large Qualifying Vessels in 2004

	<u>Crew Size</u>	<u>Number of Nets</u>	<u>Net Size (feet)</u>	<u>Vessel Age</u>	<u>Length</u>	<u>Horsepower</u>	<u>Fuel Capacity (gallons)</u>	<u>Gross Tons</u>	<u>Hold Capacity (tons)</u>
Number of vessels	1,869	1,830	1,856	1,932	1,934	1,930	1,933	1,932	989
Minimum	1.0	1.0	2.0	1.0	60.0	8.0	1,000.0	13.0	0.5
Maximum	5.3	4.0	93.0	53.0	131.0	3,412.0	80,000.0	1,860.0	110.0
Total	6,619.8	6,798.2	103,741.3	34,926.0	143,344.0	1,054,625.0	29,400,495.0	242,943.0	19,073.7
Mean	3.5	3.7	55.9	18.1	74.1	546.4	15,209.8	125.7	19.3
Standard Dev	0.6	0.6	13.0	11.1	8.4	268.8	9,456.5	81.9	13.8

Source: Mike Travis, NMFS (personal communication, 2006)

Table 8. Distribution of Additional Physical Characteristics for Large Qualifying Vessels in 2004

<u>Hull Type</u>	<u>Percent</u>	<u>Refrigeration</u>	<u>Percent</u>	<u>Gear</u>	<u>Percent</u>
Steel	83.1	Freezer	64.9	Otter Trawl	99.7
Wood	9.7	Ice	35.1	Other	0.3
Fiberglass	7.0				
Other	0.2				

Source: Mike Travis, NMFS (personal communication, 2006)

Table 9. Distribution of Revenues and Selected Statistics for Small Qualifying Vessels in 2004

	<u>Gulf Food Shrimp Landings</u>	<u>Gulf Food Shrimp Revenues</u>	<u>Gulf Bait Shrimp Revenues</u>	<u>S. Atlantic Shrimp Revenues</u>	<u>S. Atlantic Non-Shrimp Revenues</u>	<u>Gulf Non- Shrimp Revenues</u>	<u>Total Shrimp Revenues</u>	<u>Total Revenues</u>	<u>Percentage of Revenue from Gulf Food Shrimp</u>
Number of vessels	732	732	732	732	732	732	732	732	732
Minimum	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	0
Maximum	203,186	\$228,590	\$12,574	\$127,225	\$3,881	\$322,301	\$228,590	\$322,301	100
Total	11,970,190	\$17,288,468	\$12,574	\$360,374	\$6,624	\$2,800,780	\$17,661,415	\$20,468,819	N/A
Mean	16,353	\$23,618	\$17	\$492	\$9	\$3,826	\$24,128	\$27,963	57.7
Standard Dev	25,535	\$34,124	\$465	\$6,638	\$175	\$21,850	\$34,422	\$40,041	48.1

Source: Mike Travis, NMFS (personal communication, 2006)

Table 10. Physical Characteristics and Selected Statistics for Small Qualifying Vessels in 2004

	<u>Crew Size</u>	<u>Number of Nets</u>	<u>Net Size (feet)</u>	<u>Vessel Age</u>	<u>Length</u>	<u>Horsepower</u>	<u>Fuel Capacity (gallons)</u>	<u>Gross Tons</u>	<u>Hold Capacity (tons)</u>
Number of vessels	432	431	431	732	732	730	732	523	335
Minimum	1	1	8	1.0	11.0	10.0	10.0	6.0	0.3
Maximum	4	4	80	104.0	59.0	3,000.0	15,000.0	330.0	50.0
Total	1,006.6	1,000.6	12,173.4	17,736.0	31,848.0	222,544.0	1,128,449.0	18,913.0	2,583.9
Mean	2.3	2.3	28.2	24.2	43.5	304.7	1,539.7	36.2	7.7
Standard Dev	0.5	0.8	12.8	12.7	10.2	174.9	1,726.8	24.6	6.8

Source: Mike Travis, NMFS (personal communication, 2006)

Table 11. Distribution of Additional Physical Characteristics for Small Qualifying Vessels in 2004

<u>Hull Type</u>	<u>Percent</u>	<u>Refrigeration</u>	<u>Percent</u>	<u>Gear</u>	<u>Percent</u>
Fiberglass	36.6	Ice	86.3	Otter Trawl	97.8
Steel	32.0	Freezer	7.9	Skimmer Net	1.1
Wood	27.9	Live Well	5.7	Other	1.1
Other	3.5				

Source: Mike Travis, NMFS (personal communication, 2006)

Table 12. Selected Statistics for Gulf Food Shrimp Dealers in 2004

	<u>Gulf Food Shrimp Landings</u>	<u>Gulf Food Shrimp Sales</u>
Number of dealers	745	743 ²
Minimum	1	\$7
Maximum	5,357,349	\$18,158,018
Total	161,058,094	\$358,595,658
Mean	216,185	\$482,632
Standard Dev	602,620	\$1,466,945

Source: Mike Travis, NMFS (personal communication, 2006)

Table 13. Employment, Production and Value in the Gulf Shrimp Processing Sector, 2004.

	<u>Number of Employees</u> ³	<u>Total Pounds</u>	<u>Total Product Value</u>	<u>Shrimp Pounds</u>	<u>Value of Shrimp</u>	<u>Shrimp As Percent of Total Product Value</u>
Number of Processors	60	61	61	61	61	61
Minimum	2	789	\$6,312	90	\$720	0.8
Maximum	416	33,046,021	\$104,684,459	30,111,680	\$88,328,636	100
Total	3,666	236,052,069	\$656,209,747	217,114,784	\$600,611,609	N/A
Mean	61	3,869,706	\$10,757,537	3,559,259	\$9,846,092	87.1
Standard Dev	80	5,883,840	\$16,266,088	5,618,175	\$14,761,298	28.3

Source: Mike Travis, NMFS (personal communication, 2006)

² Two dealers reported their purchases of Gulf food shrimp landings, but did not report the sales value.

³ One processor did not report employment figures for 2004. An additional eight historical shrimp processors reported that they were still "in operation" but did not process any shrimp in 2004.

Table 14. Gulf Food Shrimp Landings, Sales, and Number of Dealers by Select Communities, Ranked by Sales in 2004 ⁴

<u>City</u>	<u>State</u>	<u>Gulf Food Shrimp Landings</u>	<u>Gulf Food Shrimp Sales</u>	<u>Number of Dealers</u>
PORT ARTHUR	TX	11,072,636	\$35,786,711	6
PALACIOS	TX	8,138,525	\$26,420,130	12
BROWNSVILLE	TX	***	***	2
BAYOU LA BATRE	AL	7,317,291	\$21,234,219	16
BILOXI	MS	7,731,454	\$20,733,750	7
ABBEVILLE	LA	7,223,617	\$18,858,495	14
PORT ISABEL	TX	4,209,110	\$14,811,573	12
GOLDEN MEADOW	LA	7,106,854	\$14,184,595	16
DULAC	LA	7,351,390	\$12,808,423	9
GRAND ISLE	LA	8,539,624	\$11,104,653	6
FT MYERS BEACH	FL	3,467,413	\$11,068,903	4
PORT BOLIVAR	TX	3,548,392	\$10,106,026	5
CHAUVIN	LA	7,802,124	\$9,796,974	30
BOOTHVILLE	LA	4,572,036	\$8,330,555	3
LAKE CHARLES	LA	4,533,401	\$7,909,121	9
VENICE	LA	4,845,619	\$7,702,601	6
EMPIRE	LA	5,275,263	\$7,100,618	6
FREEPORT	TX	1,912,653	\$6,151,094	3
BELLE CHASSE	LA	3,944,856	\$5,784,117	7
LAFITTE	LA	4,092,292	\$5,593,181	20
BON SECOUR	AL	1,701,705	\$5,466,508	7
ARANSAS PASS	TX	1,598,278	\$5,242,675	9
CUT OFF	LA	2,326,382	\$5,193,636	18
TAMPA	FL	1,519,734	\$4,829,043	3
GALVESTON	TX	1,558,608	\$4,303,723	6
KEY WEST	FL	2,082,053	\$4,210,999	4
CROWN POINT	LA	***	***	1
CAMERON	LA	1,817,939	\$2,857,130	31
PORT ST JOE	FL	***	***	1
DELCAMBRE	LA	1,850,013	\$2,642,891	10

⁴ For communities where the number of dealers is less than three, landings and sales are suppressed to protect firms' confidential data. Only communities with more than \$250,000 in landings were selected for presentation.

SABINE PASS	TX	929,172	\$2,616,433	4
THERIOT	LA	2,384,890	\$2,519,939	10
MONTEGUT	LA	1,599,652	\$2,115,996	13
LOCKPORT	LA	998,704	\$1,976,597	6
NEW ORLEANS	LA	1,098,255	\$1,728,613	14
TARPON SPRINGS	FL	***	***	2
BAY SAINT LOUIS	MS	1,131,973	\$1,530,046	2
MORGAN CITY	LA	647,610	\$1,348,935	17
GULFPORT	MS	721,830	\$1,317,122	2
PORT SULPHUR	LA	1,131,101	\$1,302,418	5
SARASOTA	FL	***	***	1
PASCAGOULA	MS	543,191	\$1,204,809	4
PORT LAVACA	TX	510,391	\$1,112,123	4
IRVINGTON	AL	371,377	\$1,031,021	5
DICKINSON	TX	630,097	\$1,021,481	3
SAN LEON	TX	698,241	\$935,302	4
SEABROOK	TX	***	***	2
PASS CHRISTI	MS	548,271	\$809,688	3
NEW PORT RICHEY	FL	***	***	1
HOPEDALE	LA	576,279	\$772,351	4
LAKESHORE	MS	***	***	2
APALACHICOLA	FL	451,798	\$754,976	4
THEODORE	AL	318,452	\$650,399	3
ST PETERSBURG	FL	***	***	1
HOUMA	LA	547,335	\$603,459	21
ST BERNARD	LA	412,396	\$567,435	9
FULTON	TX	285,619	\$496,000	6
CRYSTAL BEACH	TX	173,596	\$483,709	3
CARRABELLE	FL	***	***	2
MATAGORDA	TX	***	***	1
DELACROIX	LA	458,032	\$382,996	4
YSCLOSKEY	LA	301,785	\$365,452	3
PORT O'CONNOR	TX	230,327	\$339,719	4
BAYTOWN	TX	261,896	\$333,577	3
INGLIS	FL	***	***	1
CODEN	AL	113,414	\$301,737	9

Source: Mike Travis, NMFS (personal communication, 2006)

Table 15. Number of Vessels Supplying Shrimp to Selected Communities, 2004.

City	State	Number of Vessels
GRAND ISLE	LA	639
DULAC	LA	582
GOLDEN MEADOW	LA	580
CHAUVIN	LA	549
LAFITTE	LA	497
VENICE	LA	372
EMPIRE	LA	348
BELLE CHASSE	LA	307
BOOTHVILLE	LA	283
PORT ARTHUR	TX	276
LAKE CHARLES	LA	260
BAYOU LA BATRE	AL	254
PORT SULPHUR	LA	237
MONTEGUT	LA	226
THERIOT	LA	211
ABBEVILLE	LA	211
NEW ORLEANS	LA	207
BILOXI	MS	207
CROWN POINT	LA	206
DELCAMBRE	LA	181
CAMERON	LA	176
PALACIOS	TX	170
BROWNSVILLE	TX	166
CUT OFF	LA	145
LOCKPORT	LA	138
PORT BOLIVAR	TX	136
KEY WEST	FL	128
FREEPORT	TX	118
PORT ISABEL	TX	117
ARANSAS PASS	TX	105
FT MYERS BEACH	FL	103

Source: Mike Travis, NMFS (personal communication, 2006)

Table 16. Number of Qualifying Vessels Supplying Shrimp to Selected Communities, 2004.

<u>City</u>	<u>State</u>	<u>Number of Qualifying Vessels</u>
PORT ARTHUR	TX	229
BAYOU LA BATRE	AL	185
DULAC	LA	160
PALACIOS	TX	160
GRAND ISLE	LA	155
BROWNSVILLE	TX	151
ABBEVILLE	LA	134
GOLDEN MEADOW	LA	130
BILOXI	MS	130
KEY WEST	FL	116
BOOTHVILLE	LA	115
FREEPORT	TX	111
PORT ISABEL	TX	109
FT MYERS BEACH	FL	98
PORT BOLIVAR	TX	96
VENICE	LA	87
ARANSAS PASS	TX	86
LAKE CHARLES	LA	85
CHAUVIN	LA	76
GALVESTON	TX	76
CAMERON	LA	75
DELCAMBRE	LA	70
SABINE PASS	TX	69
CUT OFF	LA	68
BELLE CHASSE	LA	61
EMPIRE	LA	42
BON SECOUR	AL	33
TAMPA	FL	32
LOCKPORT	LA	31
PT ST JOE	FL	28
GULFPORT	MS	28
LAFITTE	LA	27
BAY SAINT LOUIS	MS	26
NEW ORLEANS	LA	24
PORT LAVACA	TX	24

Source: Mike Travis, NMFS (personal communication, 2006)

Table 17. Processed Pounds, Value, and Employment of Gulf Shrimp Processors by Community in 2004, Ranked by Processed Shrimp Value⁵

<u>City</u>	<u>State</u>	<u>Number of Shrimp Processors</u>	<u>Total Processed Pounds</u>	<u>Total Processed Value</u>	<u>Processed Shrimp Pounds</u>	<u>Processed Shrimp Value</u>	<u>Employment</u>	<u>Shrimp as Percent of Processed Value</u>
LAKELAND	FL	1	***	***	***	***	***	84.4
BROWNSVILLE	TX	2	***	***	***	***	***	100.0
BILOXI	MS	8	30,476,972	\$74,777,097	30,023,538	\$74,543,902	375	99.7
DELCAMBRE	LA	4	21,637,929	\$62,382,481	21,637,929	\$62,382,481	228	100.0
BAYOU LA BATRE	AL	7	19,792,636	\$54,054,148	13,563,813	\$43,427,328	221	80.3
DULAC	LA	5	15,999,330	\$37,072,098	15,991,050	\$37,055,952	162	99.9
PORT ARTHUR	TX	1	***	***	***	***	***	100.0
NEW ORLEANS	LA	1	***	***	***	***	***	100.0
D'IBERVILLE	MS	1	***	***	***	***	***	100.0
MOBILE	AL	1	***	***	***	***	***	100.0
BON SECOUR	AL	2	***	***	***	***	***	77.2
SAN BENITO	TX	1	***	***	***	***	***	100.0
ST PETERSBURG	FL	1	***	***	***	***	***	62.9
DOVER	FL	1	***	***	***	***	***	54.3
PORT ISABEL	TX	1	***	***	***	***	***	100.0
BEAUMONT	TX	1	***	***	***	***	***	100.0
PALACIOS	TX	1	***	***	***	***	***	100.0
CHAUVIN	LA	5	1851731	\$6,624,076	1851731	\$6,624,076	71	100.0
PORT ST JOE	FL	1	***	***	***	***	***	100.0
GOLDEN MEADOW	LA	2	***	***	***	***	***	100.0
VIOLET	LA	1	***	***	***	***	***	100.0
PASCAGOULA	MS	1	***	***	***	***	***	100.0
HARAHAN	LA	1	***	***	***	***	***	100.0
APALACHICOLA	FL	3	616330	\$1,936,861	616330	\$1,936,861	12	100.0
TAMPA	FL	1	***	***	***	***	***	53.7

⁵ For communities where the number of processors is less than three, information regarding processed pounds, value, and employment are suppressed to protect firms' confidential data. However, dependency on the value of processed shrimp is reported for all communities with shrimp processors.

<u>City</u>	<u>State</u>	<u>Number of Shrimp Processors</u>	<u>Total Processed Pounds</u>	<u>Total Processed Value</u>	<u>Processed Shrimp Pounds</u>	<u>Processed Shrimp Value</u>	<u>Employment</u>	<u>Shrimp as Percent of Processed Value</u>
OCEAN SPRINGS	MS	1	***	***	***	***	***	99.9
KEMAH	TX	1	***	***	***	***	***	27.3
DALLAS	TX	1	***	***	***	***	***	32.8
THERIOT	LA	1	***	***	***	***	***	100.0
CARRABELLE	FL	1	***	***	***	***	***	100.0
PANACEA	FL	1	***	***	***	***	***	9.4
SEADRIFT	TX	1	***	***	***	***	***	0.8

Source: Mike Travis, NMFS (personal communication, 2006)

Table 18. Ranking of Communities in 2004 Based on Strength of Relationship to Gulf Shrimp Fishery, with Special Emphasis on the EEZ Fishery.

<u>Rank</u>	<u>City</u>	<u>State</u>
1	PORT ARTHUR	TX
2	BAYOU LA BATRE	AL
3	BROWNSVILLE	TX
4	BILOXI	MS
5	PALACIOS	TX
6	DULAC	LA
7	CHAUVIN	LA
8	PORT ISABEL	TX
9	GRAND ISLE	LA
10	ABBEVILLE	LA
11	FREEPORT	TX
12	FT MYERS BEACH	FL
13	NEW ORLEANS	LA
14	GOLDEN MEADOW	LA
15	CUT OFF	LA
16	ARANSAS PASS	TX
17	BON SECOUR	AL
18	CAMERON	LA
19	LAFITTE	LA
20	VENICE	LA
21	BOOTHVILLE	LA
22	KEY WEST	FL
23	TAMPA	FL
24	DELCAMBRE	LA
25	LAKE CHARLES	LA
26	EMPIRE	LA
27	PORT LAVACA	TX
28	BELLE CHASSE	LA
29	PORT BOLIVAR	TX
30	GALVESTON	TX
31	IRVINGTON	AL
32	MONTEGUT	LA
33	D'IBERVILLE	MS
34	HOUMA	LA

Source: Mike Travis, NMFS (personal communication, 2006)

Table 19. Communities Determined to be Vulnerable Based on Socioeconomic Attributes, 2004

<u>Group 1</u>	<u>Group 2</u>	<u>Group 3</u>
Palacios	Abbeville	Grand Isle
Dulac	Port Arthur	Delcambre
Bayou La Batre	Golden Meadow	
Port Isabel	Venice	
Empire	Freeport	
Boothville	Lafitte	
Coden	Aransas Pass	
	Chauvin	
	Cameron	
	Apalachicola	
	Montegut	
	Brownsville	
	Port Lavaca	
	Houma	
	Galveston	

Source: Mike Travis, NMFS (personal communication, 2006)