

Table 1: Sampling Frame, Sampling Strata, Population Characteristics, Response Rate and Sample Size

	Population	Permits (% of Population by Permit Type)				Vessel Characteristics					Sample	Response Rate	E(Completed)
		SPA ₁	RSCZ ²	RSLA ³	SPGM ⁴	Length	H P	Year	Steel Hull	Freezer			
NC	150	95%	33%	14%	24%	62	45 3	1983	35%	15%	52	0.9	47
SC	53	98%	15%	0%	6%	54	38 2	1978	11%	13%	19	0.9	18
GA	106	98%	8%	5%	10%	57	41 5	1977	14%	15%	37	0.9	34
FL	350	60%	13%	9%	67%	52	40 2	1982	20%	38%	120	0.9	109
AL	110	38%	5%	32%	98%	65	54 0	1990	71%	55%	38	0.9	35
MS	122	10%	2%	4%	99%	71	59 3	1988	83%	48%	42	0.9	38
LA	430	3%	1%	0%	100%	63	49 7	1989	77%	28%	147	0.9	133
TX	600	4%	1%	1%	100%	74	63 7	1986	89%	82%	205	0.9	185
Other	51	49%	47%	14%	71%	73	62 2	1989	78%	39%	18	0.9	17
Total	1972	32%	8%	5%	80%	65	52 3	1985	62%	47%	678		616

Permit Type

Count: 625 154 108 1578

Sample by Permit: 198 49 34 490

¹ SPA: South Atlantic penaeid shrimp permit (open access).
² RSCZ: South Atlantic rock shrimp permit – Carolina Zone (open access).
³ RSLA: South Atlantic rock shrimp permit – Limited Access (limited access).
⁴ SPGM: Gulf of Mexico shrimp permit (limited access).

Figure 1: Example of Information Material

Your information is treated as confidential.

Your information will not be released.

We are interested only in industry-wide economic indicators.

Your information will be combined with the information from other fishermen.

With statistical methods we will estimate industry averages and industry totals.

The results of this research will be made available to you.

Why we need to Know

Fishery Managers need up-to-date information about the economic health of the Gulf shrimp fishery in order to make sound decisions, such as producing Fishery Management Plan Amendments that take account of the economic situation and contribution of this important industry.

Most importantly, we, the scientists collecting and analyzing this data, need to know the total profit (or loss) generated by the industry. This information enables us to calculate the value of the shrimp fishery to fishermen and to the nation. Other things we report to the Council, decision makers, fishermen and the public include:

- Income shares of owners and crew in the industry
- Overall capital invested and total debt in the industry
- Financial risk the industry is exposed to
- The impact of fluctuating fuel and ice prices on the industry

Table 2: Example of the Presentation of Results

Table 4: F&E Results: Averages for the Active Gulf Shrimp Fleet by State (2009)

(in USD unless otherwise noted)	Active Gulf Shrimp Fleet				
	Active Gulf Shrimp	FL	AL+MS	LA	TX
# of Observations	348	51	24 + 30	97	142
<u>Vessel Characteristics</u>					
Length (feet)	69	60	73	65	74
Gross tons	110	87	117	93	127
Horse power	551	422	623	506	597
Year built	1987	1981	1989	1988	1988
Hull material - Steel (%)	79%	24%	83%	86%	94%
Refrigeration - Freezer (%)	60%	57%	56%	29%	84%
State of Owner - Florida (%)	15%	100%	0%	0%	0%
State of Owner - Alabama or Mississippi (%)	16%	0%	100%	0%	0%
State of Owner - Louisiana (%)	28%	0%	0%	100%	0%
State of Owner - Texas (%)	41%	0%	0%	0%	100%
State of Owner - Other (%)	1%	0%	0%	0%	0%
<u>Balance Sheet (end of 2009)</u>					
Assets - Market value of vessel	194,510	122,617	261,817	196,536	189,676
<i>Original value of vessel (purchase price)</i>	277,796	142,876	347,759	260,622	312,091
<i>Implicit permit value</i>	21,613	8,489	21,889	13,320	33,491
Liabilities - Loan on vessel	65,808	11,655	81,669	62,289	81,910
<i>% of vessels with loan</i>	46%	20%	52%	48%	51%
Equity - Owner's equity in vessel	128,703	110,962	180,147	134,247	107,766
<i>Insurance coverage (% of vessels / % of assets)</i>	41% / 54%	18% / 29%	57% / 70%	40% / 39%	43% / 60%
<u>Vessel Operation (2009)</u>					
Owner-operator (%)	50%	37%	50%	76%	37%
Actively shrimping (%)	100%	100%	100%	100%	100%
Shrimp landed (pounds)	100,412	65,735	117,475	86,222	115,894
Shrimp price per pound (vessel basis / pound basis)	2.32 / 2.23	3.15 / 2.53	2.14 / 2.20	1.80 / 1.84	2.43 / 2.37
Annual fuel use (gallons)	48,102	33,768	52,070	31,743	62,611
Fuel price per gallon (vessel basis / gallon basis)	2.12 / 2.05	2.22 / 2.08	2.17 / 2.08	2.15 / 2.10	2.05 / 2.02
Fuel efficiency I (vessel basis / gallon basis)	3.2 / 2.1	2.5 / 1.9	2.9 / 2.3	4.6 / 2.7	2.7 / 1.9
Fuel efficiency II (vessel basis / gallon basis)	6.13 / 4.65	7.81 / 4.93	5.41 / 4.97	7.17 / 5.00	5.11 / 4.39
<u>Cash Flow (2009)</u>					
Inflow - Total	230,690	169,971	268,147	169,036	279,264
Shrimp landings	223,827	166,325	258,899	158,611	274,640
Non-shrimp landings	1,606	349	3,791	1,453	1,181
Government payments received (shrimp related)	5,257	3,297	5,457	8,972	3,443
Outflow - Total	224,735	178,623	251,712	162,577	270,061
Fuel	98,574	70,356	108,071	66,602	126,426
Other supplies	21,270	19,673	20,783	18,240	23,747
Crew & captain (hired)	50,393	47,394	58,216	34,302	59,128
Regular maintenance (vessel and gear)	15,715	16,586	17,040	10,479	17,787
Major repair and haul-out	8,682	12,432	7,535	6,204	8,769
Overhead (excluding loan payments)	14,641	7,410	19,983	11,219	17,172
Interest payments made (on vessel loans)	4,231	831	4,852	3,998	5,389
Principal payments made (on vessel loans)	8,763	2,574	11,520	8,875	10,037
New investments and upgrades (in vessel)	2,466	1,368	3,712	2,658	1,605
Net Cash Flow	5,955	(8,652)	16,434	6,459	9,203

	Active Gulf	Active Gulf Shrimp Fleet			
	Shrimp	FL	AL+MS	LA	TX
# of Observations	348	51	24 + 30	97	142
Income Statement (2009)					
Operating Activities					
Revenue (from commercial fishing)	225,433	166,674	262,690	160,064	275,821
Expenses	228,804	185,332	249,297	171,818	272,689
<i>Variable costs - Non-Labor</i>	<u>52.4%</u>	<u>48.6%</u>	<u>51.7%</u>	<u>49.4%</u>	<u>55.1%</u>
Fuel	43.1%	38.0%	43.4%	38.8%	46.4%
Other supplies	9.3%	10.6%	8.3%	10.6%	8.7%
<i>Variable costs - Labor</i>	<u>25.4%</u>	<u>28.5%</u>	<u>26.8%</u>	<u>26.5%</u>	<u>23.9%</u>
Crew & captain (hired)	22.0%	25.6%	23.4%	20.0%	21.7%
Owner's vessel time	3.4%	2.9%	3.4%	6.5%	2.2%
<i>Fixed costs</i>	<u>22.2%</u>	<u>22.9%</u>	<u>21.6%</u>	<u>24.1%</u>	<u>21.0%</u>
Regular maintenance (vessel and gear)	6.9%	8.9%	6.8%	6.1%	6.5%
Major repair and haul-out	3.8%	6.7%	3.0%	3.6%	3.2%
Depreciation	5.2%	3.3%	3.7%	7.9%	5.0%
Overhead (excluding loan payments)	6.4%	4.0%	8.0%	6.5%	6.3%
Net Revenue from Operations	(3,371)	(18,658)	13,393	(11,754)	3,132
Non-Operating Activities					
Interest payments made (on vessel loans)	4,231	831	4,852	3,998	5,389
Government payments received (shrimp related)	5,257	3,297	5,457	8,972	3,443
Net Revenue (before tax) - "Profit/Loss"	(2,345)	(16,191)	13,998	(6,779)	1,187
<i>Owner's vessel time</i>	7,730	5,411	8,488	11,221	6,014
<i>Depreciation</i>	11,799	6,070	9,180	13,551	13,646