

# 1. Owner Households and Communities

Section 1 asks questions about household and community topics, and also some direct questions about how different fishermen and fishing families go about fishing. By looking for patterns across all fishermen, we can see how different communities or other groups may be impacted by management decisions.

## Total Number of Surveys Received: 286

1a. Would a question about your ethnicity be too personal to ask in an interview setting?

Number No	266	Percent No	93.33%
Number Yes	19	Percent Yes	6.67%
Number Other	0	Percent Other	0.00%
Number Responded	285	Percent Responded	99.65%
Number Not Responded	1		

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1b. If yes, how could such a question be improved?

Number A	11	% A	44.00%
Number B	0	% B	0.00%
Number C	8	% C	32.00%
Number D	6	% D	24.00%
Number Other	0	% Other	0.00%
Number Responded	25	Percent Responded	100.00%
Number Not Responded	0		

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2a. Would asking for your education level be too personal in an interview setting?

Number No	269	Percent No	94.72%
Number Yes	15	Percent Yes	5.28%
Number Other	0	Percent Other	0.00%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

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2b. If yes, how could such a question be improved?

Number A	4	% A	21.05%
Number B	2	% B	10.53%
Number C	8	% C	42.11%
Number D	5	% D	26.32%
Number Other	0	% Other	0.00%
Number Responded	19	Percent Responded	0.00%
Number Not Responded	0		

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3. How long have you been in commercial fishing (including the recreation for-hire sector)?

Average: 27.96 Years  
Minimum: 7 Years  
Maximum: 60 Years

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5a. Was your father a commercial fisherman?

Number No	159	Percent No	55.79%
Number Yes	126	Percent Yes	44.21%
Number Other	0	Percent Other	0.00%
Number Responded	285	Percent Responded	99.65%
Number Not Responded	1		

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5b. Was your grandfather a commercial fisherman?

Number No	167	Percent No	58.80%
Number Yes	117	Percent Yes	41.20%
Number Other	0	Percent Other	0.00%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

5c. (If you're married) Does your spouse come from a fishing family?

Number No	198	Percent No	69.72%
Number Yes	57	Percent Yes	20.07%
Number N/A	29	Percent N/A	10.21%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

6. Owner Survey Family Dynamic:

Average age of Fisherman: **46.84**

Average Family Size: **3.22** Persons

Average Number of Family Members Involved in Fishing Other than the Fisherman: **0.73**

8. Work relations within your family?

Average hrs spent weekly doing the following activities:

	Fisherman	Spouse	Other
Household Finance	2.19	5.35	1.77
Operating the boat	66.76	1.06	18.00
Record keeping	3.94	4.62	5.44
Supervising crew	37.50	0.35	0.00
Sales	4.55	1.29	0.63
Repair and maintenance	14.02	1.16	6.77
Non-fishing employment	3.25	20.93	11.25

9a. Do you think this question captures the way fishing duties are organized in your family?

Number No	71	Percent No	25.00%
Number Yes	212	Percent Yes	74.65%
Number Other	1	Percent Other	0.35%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

9b. Do you think it generally captures the way other fishermen organize their businesses?

Number No	79	Percent No	29.48%
Number Yes	188	Percent Yes	70.15%
Number Other	1	Percent Other	0.37%
Number Responded	268	Percent Responded	93.71%
Number Not Responded	18		

10a. Do any members of your household belong to any fishing-related organizations?

Number No	138	Percent No	48.42%
Number Yes	147	Percent Yes	51.58%
Number Other	0	Percent Other	0.00%
Number Responded	285	Percent Responded	99.65%
Number Not Responded	1		

10b. Have you participated in any fishing organizations' activities or meetings on a regular basis?

Number No	129	Percent No	46.40%
Number Yes	146	Percent Yes	52.52%
Number Other	3	Percent Other	1.08%
Number Responded	278	Percent Responded	97.20%
Number Not Responded	8		

10c. Do you feel these groups represent fishermen's interests

Number No	88	Percent No	32.47%
Number Yes	178	Percent Yes	65.68%
Number Other	5	Percent Other	1.85%
Number Responded	271	Percent Responded	94.76%
Number Not Responded	15		

12a. Would asking you for your income be too personal in an interview setting?

Number No	201	Percent No	70.28%
Number Yes	85	Percent Yes	29.72%
Number Other	0	Percent Other	0.00%
Number Responded	286	Percent Responded	100.00%
Number Not Responded	0		

12b. If yes, how could such a question be improved?

Number A	10	% A	11.36%
Number B	8	% B	9.09%
Number C	50	% C	56.82%
Number D	20	% D	22.73%
Number Other	0	% Other	0.00%
Number Responded	88	Percent Responded	100.00%
Number Not Responded	0		

13. Have the fishermen in your household ever worked outside the fishing industry?

Number No	155	Percent No	54.20%
Number Yes	131	Percent Yes	45.80%
Number Other	0	Percent Other	0.00%
Number Responded	286	Percent Responded	100.00%
Number Not Responded	0		

14. What percent of your household's total annual income comes from all aspects of the fishing industry?

Average: 83.88 Percent  
 Minimum: 0 Percent  
 Maximum: 100 Percent

15a. Would a question about the level of your household indebtedness (for example, as a percentage of your household income) be too personal to ask in an interview setting?

Number No	197	Percent No	68.88%
Number Yes	89	Percent Yes	31.12%
Number Other	0	Percent Other	0.00%
Number Responded	286	Percent Responded	100.00%
Number Not Responded	0		

15b. If yes, how could such a question be improved?

Number A	10	% A	11.36%
Number B	2	% B	2.27%
Number C	63	% C	71.59%
Number D	13	% D	14.77%
Number Other	0	% Other	0.00%
Number Responded	88	Percent Responded	100.00%
Number Not Responded	0		

16a. Would a question about whether your home mortgage is tied to your vessel be too personal to ask in an interview setting?

Number No	240	Percent No	84.51%
Number Yes	44	Percent Yes	15.49%
Number Other	0	Percent Other	0.00%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

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16b. If yes, how could such a question be improved?

Number A	6	% A	13.04%
Number B	1	% B	2.17%
Number C	32	% C	69.57%
Number D	7	% D	15.22%
Number Other	0	% Other	0.00%
Number Responded	46	Percent Responded	100.00%
Number Not Responded	0		

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18. How long have you lived here?

Average:	30.98 Years
Minimum:	1 Years
Maximum:	70 Years

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19a. Do you consider this town a fishing community?

Number No	103	Percent No	36.01%
Number Yes	180	Percent Yes	62.94%
Number Other	3	Percent Other	1.05%
Number Responded	286	Percent Responded	100.00%
Number Not Responded	0		

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19c. Has your view about this changed in the past few years?

Number No	204	Percent No	71.58%
Number Yes	79	Percent Yes	27.72%
Number Other	2	Percent Other	0.70%
Number Responded	285	Percent Responded	99.65%
Number Not Responded	1		

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20a. Is this community dependent on the fishing industry?

Number No	158	Percent No	55.24%
Number Yes	124	Percent Yes	43.36%
Number Other	4	Percent Other	1.40%
Number Responded	286	Percent Responded	100.00%
Number Not Responded	0		

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20c. Has your view about this changed in the past few years?

Number No	224	Percent No	79.15%
Number Yes	57	Percent Yes	20.14%
Number Other	2	Percent Other	0.71%
Number Responded	283	Percent Responded	98.95%
Number Not Responded	3		

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21. Would you have to move out of your town if fishing became more difficult because of more regulations?

Number No	150	Percent No	54.74%
Number Yes	118	Percent Yes	43.07%
Number Other	6	Percent Other	2.19%
Number Responded	274	Percent Responded	95.80%
Number Not Responded	12		

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22. Do you or your vessel participate in a Blessing of the Fleet ceremony?

Number No	182	Percent No	63.86%
Number Yes	101	Percent Yes	35.44%
Number Other	2	Percent Other	0.70%
Number Responded	285	Percent Responded	99.65%
Number Not Responded	1		

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23. Do you or any household members participate in community organizations?

Number No	161	Percent No	57.50%
Number Yes	119	Percent Yes	42.50%
Number Other	0	Percent Other	0.00%
Number Responded	280	Percent Responded	97.90%
Number Not Responded	6		

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24. Do you have relatives who are fishermen and live in other towns than you?

Number No	186	Percent No	65.49%
Number Yes	98	Percent Yes	34.51%
Number Other	0	Percent Other	0.00%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

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## 2. Owner Expenditure Impacts of Fishing Industry in New England

The fishing industry is not isolated from the rest of the New England economy. Commercial fishermen purchase fuel, ice, bait, insurance and other products and services from businesses that help make fishing possible. How fishermen and coastal communities are impacted by fishery regulation requires information about what fishermen buy, where they buy it and where captain and crew income is spent.

Information on what fishing businesses buy helps us understand what other types of shore-side businesses may be affected when fishing conditions change. Knowing where these businesses are located and where captain and crew live helps us understand how economic impacts are spread throughout the New England coastal region.

On the next page you will find a map of New England with several different coastal subregions identified along with towns and cities for reference. Each subregion has been identified with a number and a name. For example, subregion 2 has been called the “Upper Mid-Coast region of Maine.” Altogether there are 11 coastal subregions for New England, one non-coastal region for the entire inshore part of New England (region 12), and one region for everything outside New England (region 13).

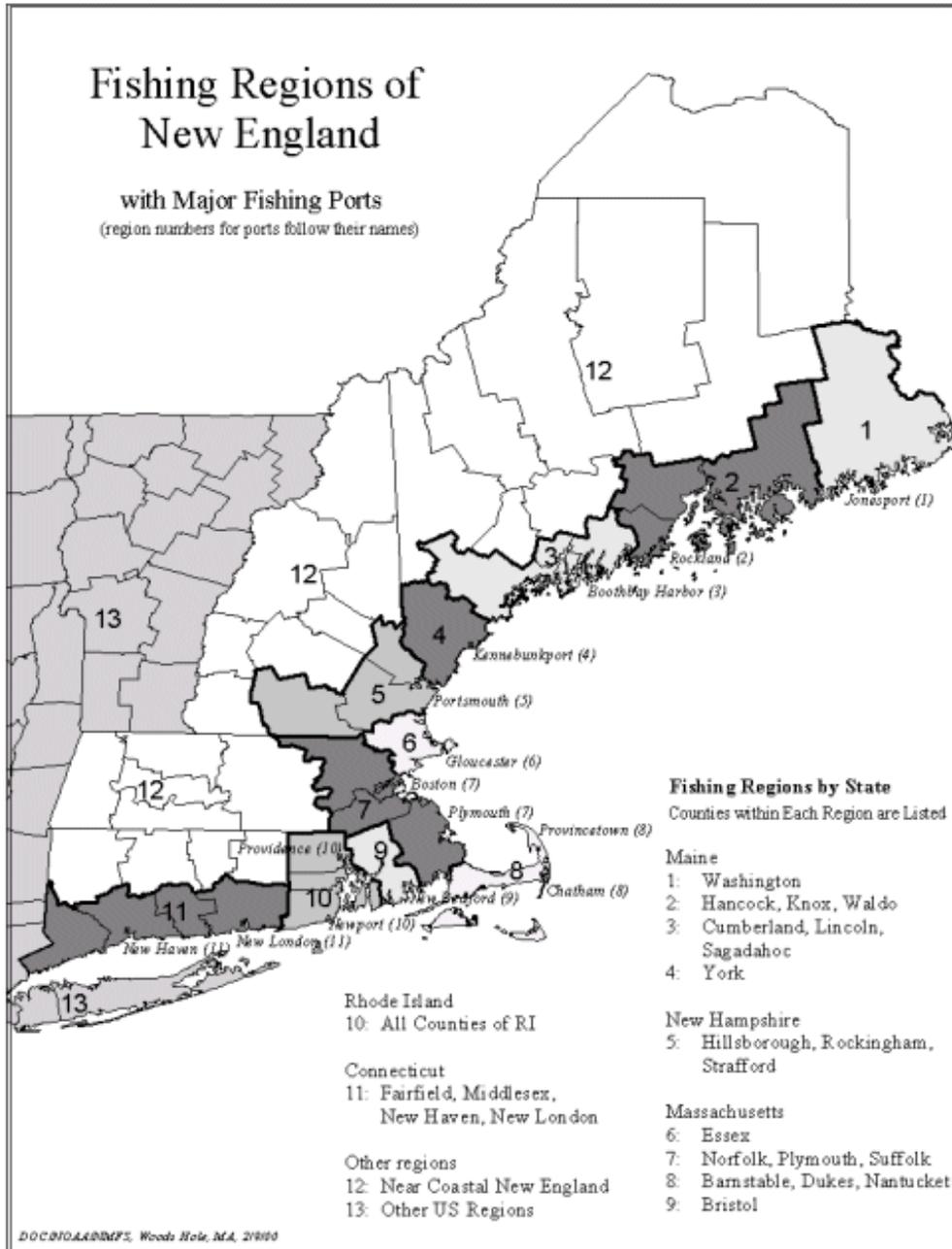
Following the map are tables for recording where you make purchases. Table 1 is for trip costs, annual repair and maintenance costs, and fixed costs. Table 2 asks for the home region of your vessel, your current crew and, if not yourself, your current captain.

If you buy goods and services from more than one region, try to give approximately what percent you purchase in each region. For example, if you operate out of Portland, Maine, then in 1999 you may have purchased 50% of your fuel within the Lower Mid-Coast region, 25% from Southern Maine and the remaining 25% from the Gloucester/North Shore region (the percentages should sum to 100). **Please use a best guess - do not go through your records.** For any listed item that you did not purchase over the course of 1999, please write a zero in the Total column for that item.



# Fishing Regions of New England

with Major Fishing Ports  
(region numbers for ports follow their names)



Total Number of Surveys Received: 286

Average Annual Expense Percentage:

<b>Table 1</b>														
Annual Expenses	Downeast Maine	Upper Mid-Coast Maine	Lower Mid-Coast Maine	Southern Maine	New Hampshire Coast	Gloucester/North Shore	Boston/South Shore	Cape and Islands	New Bedford Area	Rhode Island	Connecticut Coast	Non-Coastal New England	Outside New England	
Region Number	1	2	3	4	5	6	7	8	9	10	11	12	13	
	%	%	%	%	%	%	%	%	%	%	%	%	%	Total
<b>Trip Needs (where bought)</b>														
Fuel	54	78	86	62	93	94	83	58	52	31	0	0	42	732
Ice	59	80	87	60	95	93	75	56	70	35	0	0	42	750
Food	49	79	87	58	90	95	88	64	55	39	0	0	42	747
Bait	51	50	71	64	87	89	75	45	50	0	0	0	25	608
New Gear	40	46	69	37	52	70	60	31	57	38	44	15	11	570
<b>Repair Needs (where bought)</b>														
Hull	79	74	74	64	66	90	71	73	76	55	0	0	62	785
Engine	68	67	81	58	78	89	81	66	77	55	0	80	40	840
Gear	43	51	75	49	53	83	67	42	62	52	46	0	22	642
Electronics	18	69	81	48	62	89	85	54	78	100	0	0	43	727
<b>Fixed Needs (where bought)</b>														
Insurance	52	73	88	100	90	88	97	71	96	95	0	58	92	1001
Accounting	52	99	93	93	97	99	97	95	100	100	0	100	67	1092
Legal	35	89	92	74	76	93	87	75	79	44	0	0	38	780
Moorage	53	89	87	82	92	96	86	72	48	52	0	100	38	895

Total Number of Surveys Received: 286

TOTAL COUNT:

VESSEL HOME PORT AND CREW RESIDENCE

<b>Table 2</b>													
Home Region of Current Captain and Crew	Downeast Maine	Upper Mid-Coast Maine	Lower Mid-Coast Maine	Southern Maine	New Hampshire Coast	Gloucester/North Shore	Boston/South Shore	Cape and Islands	New Bedford Area	Rhode Island	Connecticut Coast	Non-Coastal New England	Outside New England
Region Number	1	2	3	4	5	6	7	8	9	10	11	12	13
Vessel Home	2	20	41	15	35	109	33	21	6	1	0	0	0
Current Captain	2	20	38	18	37	105	34	20	5	1	0	0	0
Current Crew #1	2	22	36	15	26	88	33	18	5	1	0	0	0
Member #2	3	10	17	7	10	37	16	8	3	1	0	0	0
Member #3	0	1	6	2	6	15	9	0	1	3	0	0	0
Member #4	0	0	2	1	1	7	4	0	0	2	0	0	0
Member #5	0	0	2	0	0	1	2	0	0	0	0	0	0

3. Have area closures shifted where you make purchases?

Number No	229	Percent No	80.07%
Number Yes	57	Percent Yes	19.93%
Number Other	0	Percent Other	0.00%
Number Responded	286	Percent Responded	100.00%
Number Not Responded	0		

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4. Beside area closures, have other regulations shifted where you make purchases?

Number No	242	Percent No	84.91%
Number Yes	43	Percent Yes	15.09%
Number Other	0	Percent Other	0.00%
Number Responded	285	Percent Responded	99.65%
Number Not Responded	1		

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5. Are there better ways of asking fishermen about where they make their purchases?

Number No	258	Percent No	92.14%
Number Yes	22	Percent Yes	7.86%
Number Other	0	Percent Other	0.00%
Number Responded	280	Percent Responded	97.90%
Number Not Responded	6		

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6. Are there any other questions you think fishermen want to be asked about their industry's impact on the broader economy?

Number No	173	Percent No	62.68%
Number Yes	103	Percent Yes	37.32%
Number Other	0	Percent Other	0.00%
Number Responded	276	Percent Responded	96.50%
Number Not Responded	10		

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### 3. Owner Fishing Business Practices

Over the past five years fishery regulations have significantly impacted fishing practices. This section seeks to find out what adjustments fishermen have made to their fishing activities and business practices because of these regulations and because of changes in the industry as a whole. Some questions look at how these changes impact the family as well.

**Total Number of Surveys Received: 286**

1. Please list the most significant changes that you have made in your fishing practices in the last five years because of regulations.

	Total	%
a. Switched to different gears	164	57.34%
b. Cut back on gear/vessel maint.	189	66.08%
c. Decreased time on water	209	73.08%
d. Changed fish dealer	85	29.72%
e. Took on less crew	193	67.48%
f. Postponed new motor	123	43.01%
g. Other	42	14.69%
h.	1	0.35%
i. Spent less time in exploratory fishing	142	49.65%
j. Increased time on water	33	11.54%
k. Changed fishing location	196	68.53%
l. Fished more species	135	47.20%
m. Postponed purchases of new gear	204	71.33%
n. Took longer trips	97	33.92%
o.	1	0.35%
p.	1	0.35%

3. How do you decide which fish dealer to sell to?

	Total	%
a. Belong to organization	43	15.03%
b. Decide where while at sea	32	11.19%
c. Call Market News	19	6.64%
d. Call contacts in ports	36	12.59%
e. Other	63	22.03%
f. Shop around for best prices	82	28.67%
g. Tied into buyer through contract/loans	11	3.85%
h. Pre-arranged before trip	79	27.62%
i. Depends on species	91	31.82%
j.	6	2.10%

4. Do you think you have good price information going into a sale?

Number No	125	Percent No	44.64%
Number Yes	154	Percent Yes	55.00%
Number Other	1	Percent Other	0.36%
Number Responded	280	Percent Responded	97.90%
Number Not Responded	6		

5. Do you pay for price information now?

Number No	265	Percent No	93.31%
Number Yes	19	Percent Yes	6.69%
Number Other	0	Percent Other	0.00%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

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7. How do auctions compare to non-auction sales of your fish.

	Traditional	%	Auction	%
a. Speed of sales	75	26.22%	192	67.13%
b. Firm prices	77	26.92%	165	57.69%
c. Prices reflects broad market	48	16.78%	198	69.23%
d. Personal contact	139	48.60%	105	36.71%
e. Get good information	72	25.17%	154	53.85%
f. Treated well	96	33.57%	164	57.34%
g. No hassles	85	29.72%	159	55.59%
h. Good idea of prices beforehand	105	36.71%	120	41.96%
i. Quality is rewarded	53	18.53%	202	70.63%
j. Works better with my accounting arrangement	58	20.28%	152	53.15%
k. Speed of payment	46	16.08%	210	73.43%
l. Other	5	1.75%	16	5.59%

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8. Have you needed help while at sea or in getting back to port over the last five years?

Number No	129	Percent No	45.42%
Number Yes	155	Percent Yes	54.58%
Number Other	0	Percent Other	0.00%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

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9. How many time in last following years?

Year 1995	68	Average 1995	72.34%
Year 1996	84	Average 1996	88.42%
Year 1997	107	Average 1997	97.27%
Year 1998	108	Average 1998	94.74%
Year 1999	91	Average 1999	81.98%

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10. How many times have you delayed leaving because of mechancial/electrical problems in the last 12 months?

Average: 2.80 Times  
 Minimum: 0 Times  
 Maximum: 52 Times

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11. What percentage of the fishermen that you know have all of the required safety equipments on board their vessel?

Average: 84.05 Percent  
 Minimum: 0 Percent  
 Maximum: 100 Percent

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12. What additional information do you need to better conduct your business?

	Total	%
a. More about regulations	154	53.85%
b. Local markets	98	34.27%
c. Export markets	105	36.71%
d. Harvest techniques	89	31.12%
e. Aquaculture	26	9.09%
f. Value added handling	74	25.87%
g. Other management approaches	72	25.17%
Gear technology	179	62.59%
i. Buybacks	89	31.12%
j. Research survey results	141	49.30%
k. Onboard processing	24	8.39%
l. Advanced license opportunities	84	29.37%
m. Retraining	27	9.44%
n. Other	19	6.64%
o.	0	0.00%

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13. Do you get the services of professionals to handle the following for you?

	Total	%
a. Accounting/Bookkeeping services	236	82.52%
b. Settlement	62	21.68%
c. Insurance	184	64.34%
d. Fish stock information	55	19.23%
e. Selling	128	44.76%
f. Vessel electronics	221	77.27%
g. Office automation	19	6.64%
h. Other	31	10.84%
i	0	0.00%
j	0	0.00%

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14. How much have the following things changed over the last five years?

	Major Decrease	Some Decrease	No Change	Some Increase	Major increase
a. Dependence on non-fishing income	10	4	133	72	55
b. Record keeping needs	12	9	75	55	131
c. Amount of time in sales/marketing	15	17	161	66	13
d. Use of non-family, hired labor or crew	49	37	135	41	15
e. Time spent in trade association meetings	17	5	135	59	57
f. Use of loans and other credit	80	10	83	90	80
g. Use of family labor	8	7	140	79	41
h. Need for family members in more roles	3	5	117	88	56
i. What else?	3	0	4	3	19
j.	8	0	1	1	19
k.	2	0	1	2	8

15. How much have the following affected your ability to make a living fishing?

	No Effect	Moderately Negative Effect	Very Negatively
a. Loss of habitat	76	67	122
b. Increased number of recreational fishers	106	103	58
c. Increased seafood imports	54	108	107
d. Increased marine fishery regulation	7	36	239
e. Coastal development	103	112	54
f. Loss of markets for harvested fish	101	97	70
g. Increased costs of harvesting fish	32	110	129
h. Imports	52	99	90
i. Others	4	4	25
j.	4	2	21

16. What do you do when your regular grounds are closed for a period?

	Total	%
a. Fish in the closest area to closed area, if there is a reasonable chance of success for the same species	194	67.83%
b. Depending on length/size of closure, might move to a different port altogether	63	22.03%
c. Try several areas around the closed area	142	49.65%
d. Depending on length/size of closure, might switch target species	130	45.45%
e. Go to the next area that has a reasonable chance of success for any species I'm allowed to fish	171	59.79%
f. Fish in closed area with exempted gear	61	21.33%
g. Other	71	24.83%



## 4. Owner Management & Enforcement

The following questions ask for your perspective, as a fisherman, on the fisheries management process, the use of economic information in that process, the role of fishermen in the process, and on enforcement issues. Besides getting these perspectives, we also want to know what information you feel is important for managers to understand about fishermen's roles in enforcement and fisheries management, and which management measures you view as effective.

### Total Number of Surveys Received: 286

1. What local, informal, traditional fishing rules or codes or agreements affect how you fish?

	Total	%
a. Rules that designate areas for different gears	151	52.80%
b. Rules for cooperation among same gear vessels	130	45.45%
c. Rules for first establishing a fishing area	93	32.52%
d. Rules for accommodating same gear vessel from somewhere else	88	30.77%
e. Rules or traditions for avoiding gear damage to other gears	175	61.19%
f. Rules or traditions to minimize waste and discards and encourage conservation	154	53.85%
g. Rules that limit my total effort	130	45.45%
h. Rules that limit when I fish	151	52.80%
i. Rules that limit where I fish	157	54.90%
j. Other rules (please list)	19	6.64%
k.	0	0.00%
l.	0	0.00%
m.	0	0.00%

3. Do you feel your views get expressed in the Formal Council/Committee management process?

Number No	210	Percent No	74.73%
Number Yes	70	Percent Yes	24.91%
Number Other	1	Percent Other	0.36%
Number Responded	281	Percent Responded	98.25%
Number Not Responded	5		

5. Do you feel you understand the Council/Committee management system?

Number No	112	Percent No	39.72%
Number Yes	169	Percent Yes	59.93%
Number Other	1	Percent Other	0.35%
Number Responded	282	Percent Responded	98.60%
Number Not Responded	4		

7. How often do you express your views to the Council or a Committee of the Council in person or in writing over a year?

A. Never	66	Percent No	23.24%
B. Seldom	138	Percent Yes	48.59%
C. Frequently	80	Percent Other	28.17%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

8. Do you think you understand the basics of fish population dynamics?

Number No	73	Percent No	26.07%
Number Yes	207	Percent Yes	73.93%
Number Other	0	Percent Other	0.00%
Number Responded	280	Percent Responded	97.90%
Number Not Responded	6		

10. Do you feel you know the important laws (like the Magnuson Act) that guide the fisheries management?

Number No	91	Percent No	32.73%
Number Yes	186	Percent Yes	66.91%
Number Other	1	Percent Other	
Number Responded	278	Percent Responded	97.20%
Number Not Responded	8		

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12. Do you think you know how economic information is used in the management process?

Number No	185	Percent No	66.07%
Number Yes	92	Percent Yes	32.86%
Number Other	3	Percent Other	1.07%
Number Responded	280	Percent Responded	97.90%
Number Not Responded	6		

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14. Do you feel you know why social/cultural information is needed in the management process?

Number No	124	Percent No	44.13%
Number Yes	157	Percent Yes	55.87%
Number Other	0	Percent Other	0.00%
Number Responded	281	Percent Responded	98.25%
Number Not Responded	5		

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15. Do you know how social/cultural information is used in the management process?

Number No	216	Percent No	76.33%
Number Yes	67	Percent Yes	23.67%
Number Other	0	Percent Other	0.00%
Number Responded	283	Percent Responded	98.95%
Number Not Responded	3		

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17. Do you think fishermen generally want to comply with regulations?

Number No	21	Percent No	7.37%
Number Yes	264	Percent Yes	92.63%
Number Other	0	Percent Other	0.00%
Number Responded	285	Percent Responded	99.65%
Number Not Responded	1		

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18. Do you think most fishermen know how to improve enforcement?

Number No	46	Percent No	16.37%
Number Yes	235	Percent Yes	83.63%
Number Other	0	Percent Other	0.00%
Number Responded	281	Percent Responded	98.25%
Number Not Responded	5		

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20. Do you feel there is adequate fisheries enforcement at sea in the areas where you fish?

Number No	42	Percent No	14.79%
Number Yes	242	Percent Yes	85.21%
Number Other	0	Percent Other	0.00%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

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21. Do you feel there is adequate fisheries enforcement at the dock where you land your catch?

Number No	49	Percent No	17.25%
Number Yes	232	Percent Yes	81.69%
Number Other	3	Percent Other	1.06%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

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22. What percentage of the enforcement in the groundfish fishery is carried out by fishermen themselves without the help or knowledge of enforcement officers?

a. None	53	% a	19.13%
b. 1 - 25%	70	% b	25.27%
c. 26 - 50%	32	% c	11.55%
d. 51 - 75%	34	% d	12.27%
e. 76 - 100%	88	% e	31.77%
Number Responded	277	Percent Responded	96.85%
Number Not Responded	9		

23. Please estimate to the best of your ability, what percent of commercial fishermen usually or always COMPLY with the groundfish laws and regulations?

a. Zero%	1	% a	0.35%
b. 1 - 4%	0	% b	0.00%
c. 5 - 9%	0	% c	0.00%
d. 10 - 24%	4	% d	1.41%
e. 25 - 49%	5	% e	1.76%
f. 50 - 75%	23	% f	8.10%
g. 75 - 89%	43	% g	15.14%
h. 90 - 94%	50	% h	17.61%
i. 95 - 98%	88	% i	30.99%
j. 99 - 100%	70	% j	24.65%
Number of Responses	284	Percent Responded	99.30%
Number Not Responded	2		

24. Please estimate as best you can, what percent of commercial fishermen frequently VIOLATE the groundfish laws and regulations?

a. Zero%	40	% a	13.99%
b. 1 - 4%	107	% b	37.41%
c. 5 - 9%	63	% c	22.03%
d. 10 - 24%	47	% d	16.43%
e. 25 - 49%	14	% e	4.90%
f. 50 - 74%	5	% f	1.75%
g. 75 - 89%	4	% g	1.40%
h. 90 - 94%	1	% h	0.35%
i. 95 - 98%	3	% i	1.05%
j. 99 - 100%	2	% j	0.70%
Number of Responses	286	Percent Responded	100.00%
Number Not Responded	0		

25. What percent of the management meetings (Council or Committee or Advisors' meetings) that you would like to attend are you able to get to?

Average:	33.13 Percent
Minimum:	0 Percent
Maximum:	100 Percent



26. Which of the following general tools of fisheries management do you feel are most effective in reducing fishing mortality?

Average Score

a. Days At Sea (DAS) limits	2.80
b. Large and long closed areas	3.34
c. Short term closed areas	3.35
d. Mesh size regulations	1.68
e. Trip Limits	3.84
f. Overall TAC	4.46

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27. Which of the following general tools of fisheries management do you feel are most difficult for a family to adjust to?

Average Score

a. Days At Sea (DAS) limits	3.07
b. Large, long-time closed areas	1.81
c. Short term closed areas	3.31
d. Mesh size regulations	4.85
e. Trip Limits	2.87
f. Overall Quota (TAC)	2.88

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28. Which of the same tools are hardest on income or profit?

Average Score

a. Days At Sea (DAS) limits	2.80
b. Large and long closed areas	1.77
c. Short term closed areas	3.23
d. Mesh size regulations	4.26
e. Trip Limits	2.74
f. Overall TAC	2.95

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# 5. Owner Capacity and the Future

Recently, there has been an increased focus on how fisheries managers should assess and manage the fleet's fishing capacities (number of vessels, total effort, etc). These questions ask for your views on fishing capacity and its impact and ask for your ideas about the future of fishing.

## Total Number of Surveys Received: 286

1. Do you think the current permit system reduces flexibility for fishermen?

Number No	38	Percent No	13.29%
Number Yes	248	Percent Yes	86.71%
Number Other	0	Percent Other	0.00%
Number Responded	286	Percent Responded	100.00%
Number Not Responded	0		

2. Do you think the permit system could be changed to increase flexibility without increasing the pressure on stocks?

Number No	124	Percent No	43.97%
Number Yes	158	Percent Yes	56.03%
Number Other	0	Percent Other	0.00%
Number Responded	282	Percent Responded	98.60%
Number Not Responded	4		

4. Do you see advantages to more local control of fishing capacity and/or effort such as with lobster management by zones in Maine?

Number No	169	Percent No	61.68%
Number Yes	98	Percent Yes	35.77%
Number Other	7	Percent Other	2.55%
Number Responded	274	Percent Responded	95.80%
Number Not Responded	12		

7. Can you think of any existing groups or organizations that could play that kind of role, or would new groups or organizations need to be started?

a. Existing group	66	Percent a	23.24%
b. Need new group	138	Percent b	48.59%
c. Won't work anyway	80	Percent c	28.17%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

10. Have you invested in equipment to increase your catch per day as your days at sea have been reduced?

Number No	146	Percent No	51.23%
Number Yes	138	Percent Yes	48.42%
Number Other	1	Percent Other	0.35%
Number Responded	285	Percent Responded	99.65%
Number Not Responded	1		

12. When stocks recover will you reduce your fishing effort?

Number No	192	Percent No	71.38%
Number Yes	72	Percent Yes	26.77%
Number Other	5	Percent Other	1.86%
Number Responded	269	Percent Responded	94.06%
Number Not Responded	17		

13. Can you think of a way to "bank" capacity until stocks recover?

Number No	178	Percent No	69.53%
Number Yes	78	Percent Yes	30.47%
Number Other	0	Percent Other	0.00%
Number Responded	256	Percent Responded	89.51%
Number Not Responded	30		

15. Do you think there is too much active capacity now for stocks to recover without more regulations?			
Number No	235	Percent No	85.14%
Number Yes	40	Percent Yes	14.49%
Number Other	1	Percent Other	0.36%
Number Responded	276	Percent Responded	96.50%
Number Not Responded	10		

18. Do you think there will be too much active capacity for stocks to stay recovered when they do come back?			
Number No	197	Percent No	72.16%
Number Yes	74	Percent Yes	27.11%
Number Other	2	Percent Other	0.73%
Number Responded	273	Percent Responded	95.45%
Number Not Responded	13		

20. If you were not fishing, what do you think you could be earning?			
a. Much less	95	Percent a	34.55%
b. Less	96	Percent b	34.91%
c. Same	33	Percent c	12.00%
d. More	26	Percent d	9.45%
e. Much more	25	Percent e	9.09%
Number Responded	275	Percent Responded	96.15%
Number Not Responded	11		

22. Would you advise young people to go into the fishing industry?			
Number No	203	Percent No	72.24%
Number Yes	78	Percent Yes	27.76%
Number Other	0	Percent Other	0.00%
Number Responded	281	Percent Responded	98.25%
Number Not Responded	5		

**25. Please indicate if you agree or disagree with the following list of possible goals for fisheries in this region in the future:**

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
25a. Max. economic benefits to the nation:	71	105	69	18	13
% A	25.72%	38.04%	25.00%	6.52%	4.71%
Number of Responses	276				
Number Not Responded	10				
Percent Responded	96.50%				

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
25b. Harvest capacity matched to resources:	79	129	46	19	7
% B	28.21%	46.07%	16.43%	6.79%	2.50%
Number of Responses	280				
Number Not Responded	6				
Percent Responded	97.90%				

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
25c. Unlimited entry in any fishery:	21	26	36	55	141
% C	7.53%	9.32%	12.90%	19.71%	50.54%
Number of Responses	279				
Number Not Responded	7				
Percent Responded	97.55%				

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
25d. New entrants limited to numbers exiting:	69	91	46	30	36
% D	25.37%	33.46%	16.91%	11.03%	13.24%
Number of Responses	272				
Number Not Responded	14				
Percent Responded	95.10%				

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
25e. Secure places for existing fishermen with opportunities not reduced by new entrants:	127	91	33	15	13
% E	45.52%	32.62%	11.83%	5.38%	4.66%
Number of Responses	279				
Number Not Responded	7				
Percent Responded	97.55%				

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
25f. Maximum benefits to the community:	112	126	31	7	3
% F	40.14%	45.16%	11.11%	2.51%	1.08%
Number of Responses	279				
Number Not Responded	7				
Percent Responded	97.55%				

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
25g. Maximum possible number of fishermen:	39	55	87	55	43
% G	13.98%	19.71%	31.18%	19.71%	15.41%
Number of Responses	279				
Number Not Responded	7				
Percent Responded	97.55%				

	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
25h. Maximum possible number of fishing jobs the resource can support:	77	96	68	22	17
% H	27.50%	34.29%	24.29%	7.86%	6.07%
Number of Responses	280				
Number Not Responded	6				
Percent Responded	97.90%				



## 6. Owner Fishing Family Assistance

These questions ask about your involvement and views on Fishing Family Assistance Programs in general and about other programs aimed at helping fishermen and their families. Your suggestions for making these programs as useful as possible is invited.

### Total Number of Surveys Received: 286

1. Are you aware of Fishing Family Assistance type Programs?

Number No	51	Percent No	17.83%
Number Yes	235	Percent Yes	82.17%
Number Other	0	Percent Other	0.00%
Number Responded	286	Percent Responded	100.00%
Number Not Responded	0		

3. Have you ever used any of these programs?

Number No	223	Percent No	77.97%
Number Yes	63	Percent Yes	22.03%
Number Other	0	Percent Other	0.00%
Number Responded	286	Percent Responded	100.00%
Number Not Responded	0		

10. Would you use a Center that provided free Internet access, free computer use for resumes, and want ads, etc?

Number No	189	Percent No	67.50%
Number Yes	91	Percent Yes	32.50%
Number Other	0	Percent Other	0.00%
Number Responded	280	Percent Responded	97.90%
Number Not Responded	6		

11. Are you planning to stay in fishing?

Number No	14	Percent No	4.93%
Number Yes	268	Percent Yes	94.37%
Number Other	2	Percent Other	0.70%
Number Responded	284	Percent Responded	99.30%
Number Not Responded	2		

12. How many generations of your family have been involved in the fishing industry?

Average:	2.52 Years
Minimum:	0 Years
Maximum:	22 Years

13. Do you fish alone?

Number No	195	Percent No	69.15%
Number Yes	77	Percent Yes	27.30%
Number Other	10	Percent Other	3.55%
Number Responded	282	Percent Responded	98.60%
Number Not Responded	4		

14. How many crew members do you have now?

Average:	1.75 Crew members
Minimum:	0 Crew members
Maximum:	5 Crew members

15. Were you fishing in 1994?

Number No	9	Percent No	3.15%
Number Yes	277	Percent Yes	96.85%
Number Other	0	Percent Other	0.00%
Number Responded	286	Percent Responded	100.00%
Number Not Responded	0		

14. How many others were on the boat with you back then?

Average: 2.06 Others  
 Minimum: 0 Others  
 Maximum: 9 Others

17. Are you interested in a boat buy back?

Number No	150	Percent No	53.19%
Number Yes	132	Percent Yes	46.81%
Number Other	0	Percent Other	0.00%
Number Responded	282	Percent Responded	98.60%
Number Not Responded	4		

19. Are you interested in using your boat for research, charter, day hire, training or other uses?

Number No	78	Percent No	27.56%
Number Yes	203	Percent Yes	71.73%
Number Other	2	Percent Other	0.71%
Number Responded	283	Percent Responded	98.95%
Number Not Responded	3		

20. Which uses of your boat interested you?

	Total	%
a. Charter	83	29.02%
b. Research	178	62.24%
c. Day-hire	113	39.51%
d. Training	74	25.87%
e. Other	23	8.04%

21. Would you be interested in participating in a fishermen's round-table?

Number No	120	Percent No	42.11%
Number Yes	165	Percent Yes	57.89%
Number Other	0	Percent Other	0.00%
Number Responded	285	Percent Responded	99.65%
Number Not Responded	1		

23. What additional information do you need to better conduct your business?

	Total	%
a. More about regulations	136	47.55%
b. Export Markets	76	26.57%
c. Harvest techniques	106	37.06%
d. Grants	138	48.25%
e. Aquaculture	35	12.24%
f. Other	16	5.59%
g. Local markets	82	28.67%
h. Gear technology	176	61.54%
i. Buy backs	94	32.87%
j. On-board processing	28	9.79%
k. Retraining for yourself or family member	38	13.29%
l.	2	0.70%

24. Would you be interested in attending a career orientation workshop?

Number No	224	Percent No	80.58%
Number Yes	54	Percent Yes	19.42%
Number Other	0	Percent Other	0.00%
Number Responded	278	Percent Responded	97.20%
Number Not Responded	8		

25. Do you have health insurance?

Number No	68	Percent No	23.78%
Number Yes	218	Percent Yes	76.22%
Number Other	0	Percent Other	0.00%
Number Responded	286	Percent Responded	100.00%
Number Not Responded	0		

26. Do you need assistance in preparing any of the following?

	Total	%
a. Loans or credit availability	61	21.33%
b. Bankruptcy/ foreclosure	16	5.59%
c. Setting up a new business	33	11.54%
d. Other	23	8.04%

