

7. In the past 12 months, how many *days* did you go *freshwater* fishing from:

- _____ DAYS A PRIVATELY OWNED BOAT IN MASSACHUSETTS
- _____ DAYS A PRIVATELY OWNED BOAT IN ANOTHER STATE
- _____ DAYS THE SHORE IN MASSACHUSETTS
- _____ DAYS THE SHORE IN ANOTHER STATE

Next we would like some more detailed information about your fishing skill level and the importance of fishing in your life.

8. Please fill in the appropriate letter from the list provided, of the fish species you most prefer to catch when *saltwater private boat fishing* in Massachusetts.

- _____ Most Preferred
- _____ Second Most Preferred
- _____ Third Most Preferred

- | | |
|----------------------------|--------------------|
| a) summer flounder (fluke) | f) bluefish |
| b) scup (pogy) | g) winter flounder |
| c) Atlantic cod | h) striped bass |
| d) tautog (blackfish) | i) other (specify) |
| e) Atlantic mackerel | j) no preference |

9. When I participate in the sport of *saltwater private boat fishing* I feel like:
(Please circle only one number)

- 1 an outsider. I am uncomfortable when I go saltwater private boat fishing, and I don't really feel like I am part of the fishing scene.
- 2 an observer or irregular participant. Sometimes it is fun, entertaining or rewarding to go saltwater private boat fishing.
- 3 a habitual and regular participant in the sport of saltwater private boat fishing.
- 4 an insider to the sport. Saltwater private boat fishing is an important part of who I am.

10. During a saltwater private boat fishing experience, I can best be described as:

- 1 being somewhat uncertain. I am unsure about what I can or cannot do while saltwater private boat fishing, or how to do it.
- 2 having some understanding of saltwater private boat fishing, but still in the process of learning more about saltwater shore fishing. I am becoming more familiar and comfortable with saltwater private boat fishing.
- 3 becoming comfortable with the sport. I have regular, routine, and predictable experiences. I have a good understanding of what I can do while saltwater private boat fishing, and how to do it.
- 4 a knowledgeable expert in the sport and/or someone who is comfortable encouraging, teaching and enhancing opportunities for others who are interested in saltwater private boat fishing.

11. My *relationships* with other saltwater private boat anglers are:

- 1 not established. I really don't know any other saltwater private boat anglers.
- 2 very limited. I know some other saltwater private boat anglers by sight and sometimes talk with them, but I don't know their names.
- 3 one of familiarity. I know the names of other saltwater private boat anglers, and often speak with them.
- 4 close. I have personal and close friendships with other saltwater private boat anglers. These friendships often revolve around saltwater private boat fishing.

12. My *commitment* to saltwater private boat fishing is:

- 1 almost nonexistent. I basically don't care whether or not I continue to go saltwater private boat fishing.
- 2 moderate. I will continue to go saltwater private boat fishing as long as it is entertaining and provides the benefits I want.
- 3 fairly strong. I have a sense of being a member of the activity, and it is likely I will continue to fish in saltwater from private boats for a long time.
- 4 very strong. I am totally committed to saltwater private boat fishing. I encourage others to go saltwater boat fishing, and seek to ensure the activity continues into the future.

13. What type of group do you go saltwater private boat fishing with *most often*?
(Please circle only one number)

- 1 BY YOURSELF
- 2 FAMILY
- 3 FRIENDS
- 4 CO-WORKERS
- 5 OTHER (specify) _____

14. Who first introduced you to saltwater private boat fishing?
(Please circle only one number)

- 1 YOURSELF
- 2 FATHER
- 3 MOTHER
- 4 SPOUSE
- 5 BROTHER/SISTER
- 6 GRANDPARENTS
- 7 OTHER CLOSE RELATIVE
- 8 FRIEND
- 9 CO-WORKER
- 10 OTHER (specify) _____

The following questions will be used to perform an economic analysis of saltwater private boat fishing in Massachusetts. The information you provide will remain strictly confidential and you will not be identified with your answers. Please refer to the enclosed map of Massachusetts to answer zone specific questions in this section.

Questions 15-23 Relate Only to Zone 1 Private Boat Fishing
In Saltwater (please refer to enclosed map)

15. In the past 12 months, how many *days* did you go saltwater private boat fishing in *Zone 1*? (Barnstable, Dukes, Nantucket, Plymouth, Bristol, Suffolk, Norfolk counties.)

_____ DAYS (If no days, skip to question 24 / If one or more days go to question 16)

16. In the past 12 months, did *any* of your saltwater private boat fishing in *Zone 1* involve spending at least one night away from your residence (motel, campsite, at friends, etc.)?

- 1 YES (If yes, go to question 17)
- 2 NO (If no, skip to question 23)

17. In the past 12 months, how many trips did you take that involved spending at least one night away from your residence and included at least one day of saltwater private boat fishing in *Zone 1*?

_____ TRIPS IN PAST 12 MONTHS

18. On a typical overnight trip that involved saltwater private boat fishing in *Zone 1* in the past 12 months, how many nights did you spend away from your residence?

_____ NIGHTS PER TRIP

19. On a typical trip during which you went saltwater private boat fishing in *Zone 1* in the past 12 months, how many days did you spend saltwater private boat fishing?

_____ DAYS SALTWATER PRIVATE BOAT FISHING PER TRIP

20. Considering a typical trip during which you went saltwater private boat fishing in *Zone 1* in the past 12 months, would you have made this trip had you not gone boat fishing?

1 YES

2 NO

21. On a *typical* trip in the past 12 months that involved spending at least one night away from your residence and included at least one day of saltwater private boat fishing in *Zone 1*, please estimate how much you spent on each of the following items.

	Total Spent On Trip	Money Spent in Massachusetts	Money Spent In Zone 1
a) Auto costs (fuel, rental car, tolls).....	\$ _____	\$ _____	\$ _____
b) Other transportation (airplane, etc.) .	\$ _____	\$ _____	\$ _____
c) Boat launch fee/docking fee	\$ _____	\$ _____	\$ _____
d) Boat fuel	\$ _____	\$ _____	\$ _____
e) Bait	\$ _____	\$ _____	\$ _____
f) Tackle	\$ _____	\$ _____	\$ _____
g) Parking	\$ _____	\$ _____	\$ _____
h) Lodging (hotel, rental, camping)	\$ _____	\$ _____	\$ _____
i) Restaurant meals	\$ _____	\$ _____	\$ _____
j) Groceries (food, drinks, ice, etc.).....	\$ _____	\$ _____	\$ _____
k) Anything else (please specify)	\$ _____	\$ _____	\$ _____

22. In the past 12 months, did you take any saltwater private boat fishing trips in *Zone 1* that did not involve spending any nights away from your residence?

- 1 YES (*If yes, go to question 23*)
- 2 NO (*If no, skip to question 24*)

23. On a *typical* saltwater private boat fishing trip in the past 12 months from *Zone 1*, that did not involve spending any nights away from your residence, please estimate how much you spent on each of the following items.

	Total Spent On Trip	Money Spent in Massachusetts	Money Spent In Zone 1
a) Auto costs (fuel, rental car, tolls).....	\$ _____	\$ _____	\$ _____
b) Other transportation (airplane, etc.) .	\$ _____	\$ _____	\$ _____
c) Boat launch fee/docking fee	\$ _____	\$ _____	\$ _____
d) Boat fuel	\$ _____	\$ _____	\$ _____
e) Bait	\$ _____	\$ _____	\$ _____
f) Tackle	\$ _____	\$ _____	\$ _____
g) Parking	\$ _____	\$ _____	\$ _____
h) Restaurant meals	\$ _____	\$ _____	\$ _____
i) Groceries (food, drinks, ice, etc.).....	\$ _____	\$ _____	\$ _____
j) Anything else (please specify)	\$ _____	\$ _____	\$ _____

**Questions 24-32 Relate Only to Zone 2 Private Boat Fishing
In Saltwater (please refer to enclosed map)**

24. In the past 12 months, how many *days* did you go saltwater private boat fishing in *Zone 2*? (Essex and Middlesex counties)

_____ DAYS (*If no days, skip to question 33 ; If one or more days go to question 25*)

25. In the past 12 months, did *any* of your saltwater private boat fishing in *Zone 2* involve spending at least one night away from your residence (motel, campsite, at friends ,etc)?

- 1 YES (*If yes, go to question 26*)
- 2 NO (*If no, skip to question 32*)

26. In the past 12 months, how many trips did you take that involved spending at least one night away from your residence and included at least one day of saltwater private boat fishing in *Zone 2*?

_____ TRIPS IN PAST 12 MONTHS

27. On a typical overnight trip that involved saltwater private boat fishing in *Zone 2* in the past 12 months, how many nights did you spend away from your residence?

_____ NIGHTS PER TRIP

28. On a typical trip during which you went saltwater private boat fishing in *Zone 2* in the past 12 months, how many days did you spend private boat fishing?

_____ DAYS PRIVATE BOAT FISHING PER TRIP

29. Considering a typical trip during which you went saltwater private boat fishing in *Zone 2* in the past 12 months, would you have made this trip had you not gone boat fishing?

1 YES

2 NO

30. On a *typical* trip in the past 12 months that involved spending at least one night away from your residence and included at least one day of saltwater private boat fishing in *Zone 2*, please estimate how much you spent on each of the following items.

	Total Spent On Trip	Money Spent in Massachusetts	Money Spent In Zone 2
a) Auto costs (fuel, rental car, tolls).....	\$ _____	\$ _____	\$ _____
b) Other transportation (airplane, etc.) .	\$ _____	\$ _____	\$ _____
c) Boat launch fee/docking fee	\$ _____	\$ _____	\$ _____
d) Boat fuel	\$ _____	\$ _____	\$ _____
e) Bait	\$ _____	\$ _____	\$ _____
f) Tackle	\$ _____	\$ _____	\$ _____
g) Parking	\$ _____	\$ _____	\$ _____
h) Lodging (hotel, rental, camping)	\$ _____	\$ _____	\$ _____
i) Restaurant meals	\$ _____	\$ _____	\$ _____
j) Groceries (food, drinks, ice, etc.).....	\$ _____	\$ _____	\$ _____
k) Anything else (please specify)	\$ _____	\$ _____	\$ _____

31. In the past 12 months, did you take any saltwater private boat fishing trips in *Zone 2* that did not involve spending any nights away from your residence?

- 1 YES (*If yes, go to question 32*)
- 2 NO (*If no, skip to question 33*)

32. On a *typical* saltwater private boat fishing trip in *Zone 2* in the past 12 months, that did not involve spending any nights away from your residence, please estimate how much you spent on each of the following items.

	Total Spent On Trip	Money Spent in Massachusetts	Money Spent In Zone 2
a) Auto costs (fuel, rental car, tolls).....	\$ _____	\$ _____	\$ _____
b) Other transportation (airplane, etc.) .	\$ _____	\$ _____	\$ _____
c) Boat launch fee/docking fee	\$ _____	\$ _____	\$ _____
d) Boat fuel	\$ _____	\$ _____	\$ _____
e) Bait	\$ _____	\$ _____	\$ _____
f) Tackle	\$ _____	\$ _____	\$ _____
g) Parking	\$ _____	\$ _____	\$ _____
h) Restaurant meals	\$ _____	\$ _____	\$ _____
i) Groceries (food, drinks, ice, etc.).....	\$ _____	\$ _____	\$ _____
j) Anything else (please specify)	\$ _____	\$ _____	\$ _____

The following questions will help us better understand saltwater private boat anglers' reasons to fish and their expectations for a satisfying experience.

33. Since the year you started saltwater private boat fishing in Massachusetts, the number of fish you catch per trip has generally:

- 1 DECREASED
- 2 INCREASED
- 3 STAYED ABOUT THE SAME
- 4 DON'T KNOW

34. Below is a list of reasons why people fish. Please circle the number that indicates how important each item is to you as a reason for going *saltwater private boat fishing* in Massachusetts.

	Not At All Important	Slightly Important	Moderately Important	Very Important	Extremely Important
a) To be outdoors	1	2	3	4	5
b) For family recreation	1	2	3	4	5
c) To experience new and different things	1	2	3	4	5
d) For relaxation	1	2	3	4	5
e) To be close to the water	1	2	3	4	5
f) To obtain fish for eating	1	2	3	4	5
g) To get away from the demands of other people	1	2	3	4	5
h) For the experience of the catch	1	2	3	4	5
i) To test my equipment	1	2	3	4	5
j) To share experiences with friends, family, or other fishing partners	1	2	3	4	5
k) To catch a "trophy" fish	1	2	3	4	5
l) To develop my skills	1	2	3	4	5
m) For the challenge or sport	1	2	3	4	5
n) For the fun of catching fish	1	2	3	4	5
o) To catch fish to share with other people	1	2	3	4	5

35. Please list the three reasons from above that you would rank as most important to your Massachusetts *saltwater private boat fishing* experience. (Insert the appropriate letters below).

_____ MOST IMPORTANT

_____ SECOND MOST IMPORTANT

_____ THIRD MOST IMPORTANT

36. Please indicate the extent to which you agree or disagree with each of the following statements about *saltwater private boat fishing* in Massachusetts.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
a) The more fish I catch the happier I am	1	2	3	4	5
b) A fishing trip can be successful even if no fish are caught	1	2	3	4	5
c) I usually eat the fish I catch	1	2	3	4	5
d) A successful fishing trip is one in which many fish are caught	1	2	3	4	5
e) I would rather catch one or two big fish than ten smaller fish	1	2	3	4	5
f) When I go fishing I'm just as happy if I don't catch a fish	1	2	3	4	5
g) It doesn't matter to me what type of fish I catch	1	2	3	4	5
h) The bigger the fish, the better the fishing trip	1	2	3	4	5
i) I'm just as happy if I don't keep the fish I catch	1	2	3	4	5
j) The saltwater private boat fishing opportunities in Massachusetts generally meet my needs for a satisfying experience	1	2	3	4	5
k) The private boat dockage and launch sites in Massachusetts meet my needs for saltwater fishing	1	2	3	4	5

37. Do you support or oppose the idea of a mandatory saltwater fishing license for Massachusetts? (Please circle only one number)

- 1 SUPPORT LICENSE WITHOUT A FEE
- 2 SUPPORT LICENSE WITH A FEE
- 3 OPPOSE LICENSE ALTOGETHER
- 4 NO OPINION

38. Please indicate the extent to which you agree or disagree with the following statements as to why you don't participate in *saltwater private boat fishing* in Massachusetts more often.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
a) Fishing regulations are too confusing	1	2	3	4	5
b) I believe an increase in my fishing activity would be bad for the resource	1	2	3	4	5
c) Costs associated with private boat fishing are too high	1	2	3	4	5
d) I can't catch enough fish to suit me	1	2	3	4	5
e) I can't catch enough keepers to take home	1	2	3	4	5
f) Too far a drive to get to marina/launch site	1	2	3	4	5
g) I have too many other demands on my time	1	2	3	4	5
h) It is difficult to find others to fish with me	1	2	3	4	5
i) Other leisure activities take up my time	1	2	3	4	5
j) Fishing regulations are too restrictive	1	2	3	4	5
k) I am afraid to eat the fish I catch because of pollutants and contamination	1	2	3	4	5
l) Too much effort to keep boat in good working order	1	2	3	4	5
m) I don't always have access to a private boat	1	2	3	4	5

39. Did you purchase a freshwater fishing license in your state of residence in 1998?

1 YES

2 NO

40. Please indicate whether you support or oppose the following management tools for management of Massachusetts' recreational saltwater fisheries.

	Strongly Support	Somewhat Support	Neutral	Somewhat Oppose	Strongly Oppose	Don't Know
a) Releasing fish below a certain length (minimum size limit)	1	2	3	4	5	6
b) Releasing fish below a certain length and above a certain maximum length (slot limit)	1	2	3	4	5	6
c) Being allowed to keep only a certain number of fish you catch per day (daily bag limit) ...	1	2	3	4	5	6
d) Not being allowed to keep certain types of fish during certain times of year	1	2	3	4	5	6
e) Not allowing recreational anglers to sell their catch	1	2	3	4	5	6
f) Not allowing recreational harvest of striped bass in <i>federal</i> waters beyond three miles from shore	1	2	3	4	5	6
g) Increasing the minimum size limit while also increasing the daily bag limit of a given type of fish	1	2	3	4	5	6
h) Decreasing the minimum size limit while also decreasing the daily bag limit of a given type of fish	1	2	3	4	5	6

41. Please indicate how important each of the following factors is in deciding whether you go saltwater private boat fishing in Massachusetts as compared to some other type of fishing you may do in Massachusetts.

	Not At All Important	Slightly Important	Moderately Important	Very Important	Extremely Important	Don't Do Any Other Fishing
a) The cost of private boat fishing	1	2	3	4	5	6
b) The types of fish I can catch from when private boat fishing	1	2	3	4	5	6
c) The number of fish I can take home	1	2	3	4	5	6
d) The distance to travel to a boat launch site or marina where boat is docked	1	2	3	4	5	6

42. For each of the types of fishing listed below (a through e), please indicate if the number of fishing trips you made per year in Massachusetts *decreased, stayed about the same, or increased* from 1988-1993 and from 1994-1998.

Circle minus sign for decreased ⊖

Circle “s” for stayed about the same ⊙

Circle plus sign for increased ⊕

Circle “n” for none if you did not do that kind of fishing during the years indicated ⊚

	1988 through 1993				1994 through 1998			
a) saltwater shore fishing in Massachusetts	-	s	+	n	-	s	+	n
b) saltwater charterboat fishing in Mass.	-	s	+	n	-	s	+	n
c) saltwater partyboat fishing in Mass.	-	s	+	n	-	s	+	n
d) saltwater private boat fishing in Mass.	-	s	+	n	-	s	+	n
e) freshwater fishing in Massachusetts	-	s	+	n	-	s	+	n

43. Please indicate how important each of the following items is in your *selection of a particular marina, dock or launch site to use when you go saltwater private boat fishing*

	Not At All Important	Slightly Important	Moderately Important	Very Important	Extremely Important
a) Distance from home to site.....	1	2	3	4	5
b) Cost to use site	1	2	3	4	5
c) Fishing quality in nearby waters	1	2	3	4	5
d) Maintenance and upkeep of site	1	2	3	4	5
e) Scenery and natural surroundings	1	2	3	4	5
f) Cleanliness of water/ water quality	1	2	3	4	5
g) Crowdedness/ number of other private boats	1	2	3	4	5
h) Friendliness and cooperation of on-site staff.....	1	2	3	4	5
i) Previous personal experience	1	2	3	4	5
j) Word of mouth	1	2	3	4	5
k) Opportunity for social interaction.....	1	2	3	4	5
l) Facilities at site	1	2	3	4	5

The following questions will help us to know more about saltwater private boat anglers.
The information provided will remain strictly confidential and you will not be
identified with your answers.

44. How old were you on your last birthday?

_____ YEARS

45. Are you?

1 MALE 2 FEMALE

46. Would you describe your ethnic background as: (Please circle only one)

1 WHITE 4 ASIAN
2 BLACK 5 NATIVE AMERICAN INDIAN
3 HISPANIC 6 OTHER (PLEASE SPECIFY) _____

47. How many years of formal education have you completed?
(for example: high school graduate (or GED) = 12)

_____ YEARS

48. What is the ZIP CODE of your current home residence?

49. What is your current marital status?

1 SINGLE 4 SEPARATED
2 MARRIED 5 WIDOWED
3 DIVORCED

50. What is your approximate annual household income before taxes?

1 Under \$15,000	5 \$60,001 - \$85,000
2 \$15,001 - \$30,000	6 \$85,001 - \$110,000
3 \$30,001 - \$45,000	7 \$110,001 - \$135,000
4 \$45,001 - \$60,000	8 \$135,001 and above

Any additional comments you may have about this survey or saltwater fishing in Massachusetts would be appreciated here:

A summary report of the results of this survey will be posted in the spring of 1999 on our web site at:

<http://www.umass.edu/hd/projects.html>

Would you like a written summary of the results of this survey sent to you?

- 1 YES
- 2 NO

Your contribution of time to this study is greatly appreciated. Please return your completed questionnaire in the postage paid return envelop or to the following address as soon as possible. **Thank you.**

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Questionnaire # _____