

MARINA SURVEY

(Personal Interview)

OMB 0710-0001

Expires: 30 September 2012

The public report burden this information collection is estimated to average 25 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this data collection, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Executive Services Directorate, Information Management Division, and the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503, Attn.: Desk Officer for U.S. Army Corps of Engineers. Respondents should be aware that notwithstanding any other provision of law, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Please DO NOT RETURN your completed form to either of these offices.

MARINA SURVEY

Please read each question carefully. Choose the most appropriate answer where choices are supplied. Mark the box beside the answer with an "X". Unless otherwise specified, the term boating season refers to the (Year) boating season.

PART I. PHYSICAL STRUCTURE OF THE MARINA.

1. How many years has there been a marina been at this location? _____ years
2. How many years have **you** been the operator of this marina? _____ years
3. Which services and facilities does your marina provide? Mark all categories that apply.

- | | | |
|---|---|---|
| <input type="checkbox"/> wet slips/moorings | <input type="checkbox"/> fuel/oil | <input type="checkbox"/> transient dockage |
| <input type="checkbox"/> summer dry stack service | <input type="checkbox"/> motor repairs | <input type="checkbox"/> parking |
| <input type="checkbox"/> launch ramp | <input type="checkbox"/> hull repair | <input type="checkbox"/> hoist |
| <input type="checkbox"/> marine supplies | <input type="checkbox"/> boat/motor rentals | <input type="checkbox"/> slip electric hookup |
| <input type="checkbox"/> boat/motor sales | <input type="checkbox"/> slip water hookup | <input type="checkbox"/> ice |
| <input type="checkbox"/> pump-out facility | <input type="checkbox"/> gas dock store | <input type="checkbox"/> restrooms |
| <input type="checkbox"/> restaurant | <input type="checkbox"/> other _____ | <input type="checkbox"/> other _____ |

4. Please indicate your dock structure type:

Fixed docks Floating docks Combination floating and fixed docks

5. How many slips are located at your marina for seasonal rent? _____

6. How many slips are located at your marina for daily transient rent? _____

7. During the (Year) season, what percent of your seasonal slips were rented?

Seasonal occupancy: _____%

8. If your occupancy rate was less than 100%, mark the reason(s) you feel contributed this. Mark all categories that apply.

- | | |
|--|--|
| <input type="checkbox"/> poor boat sales | <input type="checkbox"/> high local unemployment |
| <input type="checkbox"/> economic recession | <input type="checkbox"/> insufficient water depths |
| <input type="checkbox"/> docks in need of repair | <input type="checkbox"/> competition from other boating facilities |
| <input type="checkbox"/> decline in populations preference for boating | <input type="checkbox"/> other (please specify) _____ |

9. Indicate the number of seasonal slip renters by boat type and length that used your marina during the (Year) boating season.

BOAT LENGTH

	< 16'	16-20'	21-25'	26-39'	40-64'	>64'
<u>Boat Type</u>						
Outboard	_____	_____	_____	_____	_____	_____
Inboard	_____	_____	_____	_____	_____	_____
I/O	_____	_____	_____	_____	_____	_____
Sailboat	_____	_____	_____	_____	_____	_____

10. What is the basis for your slip rental fees for seasonal users?

Per Foot of boat length _____ Flat rate by slip or dock length _____ Other _____

11. Does the rental rate include: Water Y N Electricity Y N

Winter Storage Y N

12. Please provide the (Year) rental rates for seasonal slip renters by the following boat class sizes/dock lengths:

	RATE PER BOAT OR DOCK LENGTH				
	< 16'	16-26'	26-39'	40-64'	>64'
<u>Boat Type</u>					
Power Boats	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Sail boats	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
Other rates	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

13. What is the daily transient rental fee? \$ _____

14. When can slip renters start to put their boats in the water and when do they have to have their boats out?

a. Earliest date boat can go in slip?

_____ Day _____ Month

b. Latest date before boat must be out of water?

_____ Day _____ Month

15. Estimate the percent distribution for the (Year) seasonal slip rental fleet by draft of their boat.

Boat draft	Boat draft
< 0.5 Foot _____%	1.6- 2.0 Feet _____%
0.6- 1.0 Foot _____%	2.1- 2.5 Feet _____%
1.1- 1.5 Feet _____%	> 2.5 Feet _____%

PART II WATER LEVELS

Information on water levels for the _____ area is provided below for the (Year) boating season as well as the period 1900 to (Year). Please refer to this information when answering the following questions.

WATER LEVELS	

APRIL 1 THRU OCTOBER 31

Average Monthly Levels (Year) to (Year) Average Daily - (Year) Boating Season

	<u>LEVEL</u>	<u>DATE</u>	<u>LEVEL</u> <u>DATE</u>
Maximum Year	xxx.xx feet	Month Year	xxx.xx feet Month
Minimum Year	xxx.xx feet	Month Year	xxx.xx feet Month
Average	xxx.xx feet		xxx.xx feet
Variation	xx.xx feet		xx.xx feet

16. When water levels were their **highest** during the (Year) boating season, what was the **range** of water depths (distance from water surface to bottom) throughout the following areas at your facility: (Sample answers, 5 Feet, 2 Inches, 7 Feet 9 Inches.)

Minimum Water Depth Maximum water Depth

Water depth at slips _____ Feet _____ Inches _____ Feet _____ Inches

Depth at access channel
within the marina _____ Feet _____ Inches _____ Feet _____ Inches

17. As compared to the **highest** water level during the (Year) boating season, how much higher or lower should water levels be for **optimum** (best) operation of your marina. (Sample answers: 1 Feet, 8 Inches, 0 Feet 6 Inches.)

How Much Higher Or How Much Lower

Slips _____ Feet _____ Inches _____ Feet _____ Inches

Access Channel
Within the Marina _____ Feet _____ Inches _____ Feet _____ Inches

18. As compared to the **highest** water level during the (Year) boating season, **how much lower** can water levels **drop** before the adverse impacts listed below would occur.

How much lower before:

(a) Some slips in marina become unusable. _____ Feet _____ Inches

(b) At least half of the slips in marina become unusable. _____ Feet _____ Inches

(c) The marina becomes completely unusable. _____ Feet _____ Inches

19. As compared to the **highest** water level during the (Year) boating season, **how much higher** can water levels **rise** before the adverse impacts listed below would occur.

How much higher before:

- (a) Docks or walkways are underwater or unusable. _____ Feet _____ Inches
- (b) Marina buildings/offices begin to flood. _____ Feet _____ Inches
- (c) Marina becomes completely unusable. _____ Feet _____ Inches

20. For the period that you have operated this marina facility, choose the categories which best describe any impacts that affected the operation of your marina as a result of **high** water levels. Mark all categories that apply.

- | | |
|--|--|
| <input type="checkbox"/> erosion of shoreline property | <input type="checkbox"/> inundated dryland facilities |
| <input type="checkbox"/> wave damage to docks | <input type="checkbox"/> docks difficult to use |
| <input type="checkbox"/> access problems from inadequate clearance under bridges | <input type="checkbox"/> increased accessibility in narrow channels or shallow areas |
| <input type="checkbox"/> greater depths allowed docking of bigger boats | <input type="checkbox"/> money was saved because dredging was reduced or not necessary |
| <input type="checkbox"/> longer boating season | <input type="checkbox"/> no need to shift boats during the season |
| <input type="checkbox"/> flooding of grounds | <input type="checkbox"/> flooding of buildings/office/equipment |
| <input type="checkbox"/> ice damage | <input type="checkbox"/> other (please specify) _____ |

21. If **high water levels** have affected the operation of your marina, please check for each potential cause, to what degree you feel they have contributed to or caused these impacts.

Degree Potential Causes have Contributed to These Impacts

Potential Cause	No Affect	Minor Affect	Moderate Affect	Major Affect
Natural Causes (Rainfall, runoff)	[]	[]	[]	[]
Man Made Control (Lake Level regulation)	[]	[]	[]	[]
Other (Please Specify) _____	[]	[]	[]	[]

22. For the period that you have operated this marina facility, choose the categories which best describe any impacts which affected the operation of your marina as a result of **low** water levels. (Mark all categories that apply.)

- inadequate channel depths
- insufficient depth at dock or berth
- reduced storm damage
- dry rot of wood structures from shallower draft boats
- reduced accessibility in narrow channels or shallow areas
- other (please specify)_____
- shorter boating season
- reduction in number of useable slips/berths
- reduced danger of flooding
- rentals restricted to smaller exposure to air
- docks difficult to use

23. If **low** water levels have adversely impacted the operation of your marina, please check for each potential cause, to what degree you feel that they have contributed to these impacts.

Degree Potential Causes have Contributed to These Impacts

Potential Cause	No Affect	Minor Affect	Moderate Affect	Major Affect
Natural Causes (Rainfall, runoff)	[]	[]	[]	[]
Man Made Control (Lake Level regulation)	[]	[]	[]	[]
Other (Please Specify) _____	[]	[]	[]	[]

PART III : MEASURES IN ADAPTATION TO WATER LEVELS.

24. Which of the following measures did you take to deal with the impacts from **high water levels** that you marked in question #20. Mark all categories that apply.

- | | |
|--|---|
| <input type="checkbox"/> nothing | <input type="checkbox"/> temporarily closed slips or docks |
| <input type="checkbox"/> added fill along the shoreline | <input type="checkbox"/> added to breakwall height |
| <input type="checkbox"/> shortened the slip rental season | <input type="checkbox"/> modified dock height to new water level |
| <input type="checkbox"/> temporarily closed the marina | <input type="checkbox"/> constructed adjustable/floatable docks |
| <input type="checkbox"/> landfilled to raise ground elevation | <input type="checkbox"/> relocated the marina |
| <input type="checkbox"/> floodproofed buildings/office | <input type="checkbox"/> did emergency measures(sandbags, pumping) |
| <input type="checkbox"/> raised building/office contents to higher elevation | <input type="checkbox"/> other (please specify) |
-

25. Which of the following measures did you take to deal with the **low water levels** impacts that you checked in question #22. Mark all categories that apply.

- | | |
|--|---|
| <input type="checkbox"/> performed dredging | <input type="checkbox"/> constructed adjustable/floatable docks |
| <input type="checkbox"/> did not use channels with low water level | <input type="checkbox"/> modified dock heights or length to accommodate new water level |
| <input type="checkbox"/> closed the marina | <input type="checkbox"/> did not rent slips with low water levels |
| <input type="checkbox"/> relocated the marina | <input type="checkbox"/> replaced structures with dry rot |
| <input type="checkbox"/> allowed a greater number of smaller boats to rent slips | <input type="checkbox"/> other (please specify) |
-

26. The following information on your marina revenues and expenses for the **(Year) boating season** will allow us to better evaluate the economic impact of fluctuating water levels for all marinas throughout the Great Lakes.

Revenues and Expenses For The (Year) Boating Season

Revenue Category	Revenues
Boat Slip Rental Number of slips rented _____	\$ _____
In & Out Rack Storage Number rented _____	\$ _____
Winter storage Number of boats stored _____	\$ _____
Building Rental Income	\$ _____
Launch Ramp Revenue	\$ _____
Gasoline Sales	\$ _____
Pump-out Revenue	\$ _____
Other _____	\$ _____
Sum of All Revenue Categories	\$ _____

26. (continued) Expenses	(Year) Expenses
Salaries And Wages (include employee benefits)	\$ _____
Advertising and promotion	\$ _____
Accounting, Legal & Professional services	\$ _____
Dock Replacement	\$ _____
Dredging	\$ _____
Taxes And licenses	\$ _____
Utilities (gas, electric, water, telephone)	\$ _____
Vehicle Expenses	\$ _____
Marina Insurance (Accident, Fire theft, Etc.)	\$ _____
General Office Supplies	\$ _____
Outside Services (Cleaning, security, Etc.)	\$ _____
Maintenance & Repairs (To docks, buildings, grounds)	\$ _____
Interest Expenses (On loans, to Partners, Etc.)	\$ _____
Amortization Expenses	\$ _____
Depreciation	\$ _____
Other (please specify)_____	\$ _____
Other (please specify)_____	\$ _____
Sum of All Expense Categories	\$ _____

27. Assume that the water level during the (Year) boating season was **one foot less** than the level indicated in your response to question 18a. In other words, assume that the water levels at your marina during the (Year) boating season remained at one foot less than where you indicated adverse impacts begin. Provide the **increase in costs** that you would have incurred next to the following categories listed below.

	Increase in Costs
dredging costs	\$ _____
wages and salaries (include employee benefits)	\$ _____
cost of relocating docks (move docks to deeper water)	\$ _____
cost for changing dock and walkway heights and lengths	\$ _____
cost of installing new docks (docks floatable or adjustable)	\$ _____
cost for moving around slip renters boats	\$ _____
other (please specify) _____	\$ _____
other (please specify) _____	\$ _____

28 Assume that the water levels at your marina, during the (Year) boating season, remained at **one foot less** than where you indicated adverse impacts begin in question 18a. Provide the **decrease in revenues** that you would have incurred next to the categories listed below.

Boat Slip Rental	\$ _____	In & Out Rack Storage	\$ _____
Winter storage	\$ _____	Building Rental Income	\$ _____
Launch Ramp Revenue	\$ _____	Gasoline Sales	\$ _____
Pump-out Revenue	\$ _____	Other _____	\$ _____
Other _____	\$ _____	Other _____	\$ _____

29. Assume that the water level during the (Year) boating season was **one foot greater** than the level indicated in your response to question 19 (a). In other words, assume that the water levels at your marina during the (Year) boating season remained **one foot higher** than where you indicated adverse impacts begin. Provide the **increase/decrease in costs** that you would have incurred next to the categories listed below.

Increases:	Increased Costs
adding additional height to the marinas breakwater	\$ _____
wages and salaries (include employee benefits)	\$ _____
cost for changing dock and walkway heights and lengths	\$ _____
cost of installing new docks (docks floatable or adjustable)	\$ _____
floodproofing buildings/offices	\$ _____
cost of raising building/office contents to higher elevation	\$ _____
emergency measures (sandbags, pumping)	\$ _____
landfill of low areas	\$ _____
other (please specify _____)	\$ _____
other (please specify _____)	\$ _____

Decreases:	Decrease In Costs
decrease in dredging costs	\$ _____
decrease in cost of moving around slip renters boats	\$ _____
other (please specify _____)	\$ _____
other (please specify _____)	\$ _____