

Instrument(s) for Navigation Improvement Survey(s)

Questions for carriers and shippers

During the last three years, what is the largest number of towboats that you have operated?

\_\_\_\_\_TOWBOATS OPERATED

During the last three years, what is the largest number of towboats you have owned at any one time?

\_\_\_\_\_TOWBOATS OWNED

Please give the name, horsepower, year built, and average number of barges pushed for each of the towboats you own:

	<u>TOWBOAT NAME:</u>	<u>HORSEPOWER:</u>	<u>YEAR BUILT:</u>	<u>AVG. NO. BARGES:</u>
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____

During the past three years, how many total towboat leases have you made to other companies?

\_\_\_\_\_TOWBOAT LEASES

During the past three years, what is the largest number of barges that you have operated at any one time?

\_\_\_\_\_BARGES OPERATED

During the past three years, how many of the barges that you have operated that you leased from other companies?

\_\_\_\_\_BARGES LEASED FROM OTHERS

In the left column, please list the major commodities that your firm transports by water. Then for each commodity, please list the origin, destination, typical annual tonnage, and rate per ton.

COMMODITY	MOST FREQUENT ORIGIN	MOST FREQUENT DESTINATION	ANNUAL TONNAGE	RATE/TON
1.				
2.				
3.				
4.				
5.				
6.				
7.				

1. Does your firm transport commodities which are regulated because they are of a hazardous or environmentally sensitive nature? (CIRCLE)

- 1. Yes
- 2. No



3. Engaged in fleeting operations?

\_\_\_\_\_ % of TIME

4. Used in general towing?

\_\_\_\_\_ % of TIME

5. Used in dedicated towing?

\_\_\_\_\_ % of TIME

What percent of time are your towboats:

1. Idle (not including maintenance and repair time)?

\_\_\_\_\_ % of TIME

2. Loading and unloading?

\_\_\_\_\_ % of TIME

3. Engaged in fleeting operations?

\_\_\_\_\_ % of TIME

4. Used in general towing?

\_\_\_\_\_ % of TIME

5. Used in dedicated towing?

\_\_\_\_\_ % of TIME

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For what percentage of trips, on average, include backhauls?

\_\_\_\_\_ % OF TRIPS

What percentage of the barges you use are involved in fleeting?

\_\_\_\_\_ %

Are there any trends in equipment technology, such as bigger or more efficient TOW BOAT engines that may benefit your firm in the future? (CIRCLE)

1 NO

2 YES (Please explain: ) \_\_\_\_\_

Please give your average total operating costs per mile, for each waterway you use:

<u>Waterways You Use</u>	<u>Operating Costs</u>
1. _____	_____ \$/Mile
2. _____	_____ \$/Mile
3. _____	_____ \$/Mile

For each type of work (list below), please give the number of Full Time and Part Time employees in your firm and the average hourly wage for each type:

<u>Type of Work:</u>	<u>Number Full Time</u>	<u>Number Part Time</u>	<u>Average Hourly Wages</u>
1. Captains	_____		_____ \$/Hour
		_____	_____ \$/Hour
<hr/>			
2. Pilots	_____		_____ \$/Hour
		_____	_____ \$/Hour
<hr/>			
3. Deck Hands	_____		_____ \$/Hour
		_____	_____ \$/Hour
<hr/>			
4. Other Employees			
(What Kind? _____)			
	_____		_____ \$/Hour
		_____	_____ \$/Hour

For each waterway you use, please give your barge rates per ton and the cost to shipper for inventory (storage), for each major commodity you carry, and the major origin and destination combinations between which commodities are shipped.

(Use a separate line for each combination of commodity, origin, and destination.)

A. Waterway Name: \_\_\_\_\_

	<u>Commodity Names:</u>	<u>Origin:</u>	<u>Destination:</u>	Inventory	
				<u>Rate/Ton</u>	<u>Cost/Ton</u>
1.	_____	_____	_____	\$_____	\$_____
2.	_____	_____	_____	\$_____	\$_____
3.	_____	_____	_____	\$_____	\$_____
4.	_____	_____	_____	\$_____	\$_____

B. Waterway Name: \_\_\_\_\_

	<u>Commodity Names:</u>	<u>Origin:</u>	<u>Destination:</u>	Inventory	
				<u>Rate/Ton</u>	<u>Cost/Ton</u>
1.	_____	_____	_____	\$_____	\$_____
2.	_____	_____	_____	\$_____	\$_____
3.	_____	_____	_____	\$_____	\$_____
4.	_____	_____	_____	\$_____	\$_____

C. Waterway Name: \_\_\_\_\_

.  
.  
ETC.

(Please attach your shipping rate schedule.)

Have you experienced any problems using any particular waterway?

1. NO
2. YES (Please Specify:)

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If Yes, how would correcting the problem(s) affect your operations? Do not provide any Personally Identifiable Information (PII).

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Please give any recommendations you may have for improvements the Corps of Engineers could make on particular segments of the waterways you use. Do not provide any Personally Identifiable Information (PII)"

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## Dock and Terminal Survey Question

Terminal Name: \_\_\_\_\_

Is this a public or privately owned terminal? (CIRCLE)

1. PUBLIC

2. PRIVATELY OWNED

Terminal Operator (Firm): \_\_\_\_\_

Mailing Address: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Parent Firm/Terminal Owner: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Terminal Number: \_\_\_\_\_

Corps CODE numbers for each dock at the terminal:

\_\_\_\_\_

River mile location of terminal:

MILE NUMBER \_\_\_\_\_

Latitude and Longitude of Terminal Geographic Location:

\_\_\_\_\_ Degrees North Latitude

\_\_\_\_\_ Degrees West Longitude

Standard Industrial Classification (SIC) Code: \_\_\_\_\_

What is the total land area in acres for these terminal and dock facilities?

\_\_\_\_\_ ACRES

How many total feet of waterfront footage is there for these terminal and dock facilities?

\_\_\_\_\_ FEET

Please list the names of all your docks below and give the length, width, and water depth for each dock:

<u>Docks:</u>	<u>Length (Feet)</u>	<u>Width (Feet)</u>	<u>Depth of Water (Ft.)</u>
1. _____:	_____ FT.	_____ FT.	_____ FT.
2. _____:	_____ FT.	_____ FT.	_____ FT.
3. _____:	_____ FT.	_____ FT.	_____ FT.
4. _____:	_____ FT.	_____ FT.	_____ FT.
5. _____:	_____ FT.	_____ FT.	_____ FT.

Please list the different types of loading and unloading equipment at this terminal and dock facility, the number of pieces of each type, their average loading and unloading rates, average age, and total replacement costs for all pieces of each type:

<u>Types of Equipment:</u>	<u>Total</u> <u>Number Pieces</u>	<u>Years</u> <u>Old</u>	<u>Cost to</u> <u>Replace</u>	<u>Rates Of</u> <u>Loading/</u> <u>Unloading</u>
1. _____:	_____	_____	\$_____	_____/HR
2. _____:	_____	_____	\$_____	_____/HR
3. _____:	_____	_____	\$_____	_____/HR
4. _____:	_____	_____	\$_____	_____/HR
5. _____:	_____	_____	\$_____	_____/HR
6. _____:	_____	_____	\$_____	_____/HR

Please list the different types of storage facilities at this terminal and dock facility and tell whether or not facilities are under cover (e.g. roof), their storage capacity, and the types of commodities stored by each type of facility.

<u>Types of</u> <u>Storage</u> <u>Facilities:</u>	<u>Covered</u> <u>Facilities?</u> <u>(Circle)</u>	<u>Storage</u> <u>Capacity</u> <u>Amount</u>	<u>Units</u>	<u>Types of</u> <u>Commodities</u> <u>Stored</u>
1. _____	Yes No	_____	_____	_____
2. _____	Yes No	_____	_____	_____
3. _____	Yes No	_____	_____	_____

Please list the PRIMARY COMMODITIES below for which you received shipments during the last 12 months. Give the total tons of each commodity received during this time, the seasons of year when received, origin, ultimate destination, and distance shipped.

<u>Primary</u> <u>Commodities<sup>2</sup></u>	<u>Tons in</u> <u>Last 12</u> <u>Months</u>	<u>Seasons</u> <u>Received</u> <u>(Circle)</u>	<u>Shipping</u> <u>Origin</u>	<u>Distance</u> <u>Shipped</u>	<u>Ultimate</u> <u>Destination</u>	<u>Mode<sup>1</sup> of</u> <u>Shipment</u> <u>(Circle)</u>
_____	_____	_____	_____	_____	_____	_____

1. \_\_\_\_\_ : \_\_\_\_\_ SP SU F W \_\_\_\_\_ ; \_\_\_\_\_ mi \_\_\_\_\_ T R B S P
2. \_\_\_\_\_ : \_\_\_\_\_ SP SU F W \_\_\_\_\_ ; \_\_\_\_\_ mi \_\_\_\_\_ T R B S P
3. \_\_\_\_\_ : \_\_\_\_\_ SP SU F W \_\_\_\_\_ ; \_\_\_\_\_ mi \_\_\_\_\_ T R B S P
4. \_\_\_\_\_ : \_\_\_\_\_ SP SU F W \_\_\_\_\_ ; \_\_\_\_\_ mi \_\_\_\_\_ T R B S P
5. \_\_\_\_\_ : \_\_\_\_\_ SP SU F W \_\_\_\_\_ ; \_\_\_\_\_ mi \_\_\_\_\_ T R B S P
6. \_\_\_\_\_ : \_\_\_\_\_ SP SU F W \_\_\_\_\_ ; \_\_\_\_\_ mi \_\_\_\_\_ T R B S P

<sup>1</sup> T = Truck, R = Rail, B = Barge, S = Steamship, P = Pipeline

<sup>2</sup> Repeat Commodity for different Origins and Destinations.

Which of the following ground transportation services do you have available at your terminal?

(CIRCLE ALL THAT APPLY)

1. TRUCK
2. RAIL SERVICE
3. PIPELINE
4. OTHER (Please List: ) \_\_\_\_\_

Please give the total numbers of full-time and part-time employees for each type of work listed below, together with the hourly pay range and hourly fringe benefits for each.

Type of Work:	Hourly Pay	Fringe Benefits (Hourly Value)	Number of Employees	
			Full Time	Part Time
1. Physical Plant				
2. Dock Workers				
3. Stevedores				
4. Longshoremen				
5. Other Types				

What are your charges (rates per ton) for the primary commodities you handle, for the various unloading and translocation services specified below. If you have a published rate schedule, you may attach that in lieu of completing questions 14-16.

<u>Commodity Names:</u>	<u>Rail Switching Rate/Ton</u>	<u>Wharfage/ Dockage Rate/Ton</u>	<u>Rehandling Rate/Ton</u>	<u>Loss &amp; Storage Rate/Ton</u>	<u>Damage Charge/Ton</u>
1. _____:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
2. _____:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
3. _____:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
4. _____:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
5. _____:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
6. _____:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
7. _____:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____
8. _____:	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____

Are there any OTHER charges for the primary commodities you handle?

1 NO 2 YES (Please Specify:)

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What are the transfer charges on the following intermodal combinations of transport?

	<u>Rail</u>	<u>Barge</u>	<u>Truck</u>	<u>Pipeline</u>
<u>Transfer from:</u>				
1. Rail to:	_____ \$/Ton	_____ \$/Ton	_____ \$/Ton	_____ \$/Ton
2. Barge to:	_____ \$/Ton	_____ \$/Ton	_____ \$/Ton	_____ \$/Ton
3. Truck to:	_____ \$/Ton	_____ \$/Ton	_____ \$/Ton	_____ \$/Ton
4. Pipeline to:	_____ \$/Ton	_____ \$/Ton	_____ \$/Ton	_____ \$/Ton

1. Have users of your terminal and/or dock facilities experienced any problems related to the waterway?

1 NO  
2 YES (Please Specify:)

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2. If Yes, how would correcting the problem(s) affect terminal operations, including effects on costs, throughput levels, and future market or supply sources? Do not provide any Personally Identifiable Information (PII).

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## Lock Closure Survey Questions

Did your company have sufficient notice of the scheduled (lock name) closure to prepare a response plan?

Yes

No

Was your response preplanned or was it designed for this particular closure?

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1. During the period of closure of the main lock chamber at the (lock name) facility, what was your company's response? (Select all that apply)
- a. No change in procedures.
  - b. Stockpiled product and waited for (lock name) traffic to clear.
  - c. Switched to all-overland mode for product delivery from existing sources.
  - d. Switched to different waterway routing for product delivery from existing sources
  - e. Switched product source to an entirely new source.
  - f. Ceased operations during the period of closure.
  - g. Altered production during the period of closure.
  - h. Switched production to another facility.
  - i. Purchased intermediate or final product, rather than produced.
  - j. Other or combinations of the above. (Please explain.) \_\_\_\_\_

(1.j. cont'd.)

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2. If you have checked "c" or "d" in question 2, please complete the following table:







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6. If you checked response “g” under question 2, what was the total estimated loss to your firm as a result of altering production processes during the closure period?

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7. If you checked response “h” under question 2, what was the total increase in costs to your firm as a result of changing production locations during the closure period?

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8. If you checked “i” under question 2, to what extent did purchasing intermediate or final product increase your company’s total costs during the period of closure?

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9. If you checked response “j” under question 2, to what extent did the other measures or combination of measures undertaken as a result of the closure increase your company’s total production costs during the period of closure?

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Has the closure at the (lock name) Locks caused your company to alter its long-term transportation strategy (e.g. switch to all-overland modes, increase stockpiles, etc.)?

Yes

No

If yes, how will this impact your total commodity transportation or other costs (per year)? Please explain. Do not provide any Personally Identifiable Information (PII)

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Has the closure at the (lock name) Locks caused your company to take any other long-term permanent measures?

Yes

No

If yes, please explain. How will this affect your company's long-term operating costs (per year)? Do not provide any Personally Identifiable Information (PII)

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As you may be aware, the original closure period for the main chamber at (lock name) was \_\_\_\_\_. This closure period was unexpectedly extended an \_\_\_\_\_. Did your company alter its plans in anticipation of the original closure?

Yes

No

Did your company alter its plans in response to the additional delay?

Yes

No

If yes, please explain.

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Has your company been impacted by other navigation system disruptions?

- Yes
- No

Did they influence your response to the (lock name) closure?

- Yes
- No

If yes, please explain:

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Significant navigation system disruptions are defined as disruptions that result in delays to your shipment of more than 48 hours (including scheduled and unscheduled lock outages, accidents, and low and high water events). Has your company experienced significant navigation disruptions prior to the (lock name) closure?

- Yes – please complete the following table
- No – skip to item #

The following table asks for the event, date, short- and long- term responses for all significant navigation system disruptions experienced by your company. Please read the short and long term definitions provided below the table prior to completing the table.



c. Rail Cars..... <sub>1</sub> <sub>2</sub> <sub>1</sub> <sub>2</sub>

**Q3b. If NO to Barge loading capability, how close is the nearest barge loading facility to this facility?**

\_\_\_\_\_ miles

**Q3c. If NO to Rail loading capability, how close is the nearest rail loading facility to this facility?**

\_\_\_\_\_ miles

**Q4. What type (or mode) of transportation do you use most often for your freight shipments from this location? (Check all that apply)**

- <sub>1</sub> Private Truck
- <sub>2</sub> For-Hire Truck
- <sub>3</sub> Barge
- <sub>4</sub> Rail
- <sub>5</sub> Other (Please specify: \_\_\_\_\_)

**Q5. What commodity was shipped in your very last freight shipment?**

\_\_\_\_\_ commodity shipped

**Q6. We are interested in learning more about your shipment decisions and patterns. When answering the following questions, please think about your very last freight shipment**

<b>Mode and Destination Combinations</b>						
<b>Truck to</b>						
<i>Please answer for each mode and destination listed</i>	<b>Truck to</b> <i>(insert location) then</i>	<i>(write in river port*)</i> <b>then</b>	<b>Rail to</b>	<b>Truck to Railroad then Rail to</b>	<b>Barge to</b>	<b>Other</b>
	<b>Barge to</b>	<b>Barge to</b>				<i>(please specify)</i>
	▼	▼	▼	▼	▼	▼
<b>A. Is this transportation mode physically available at this elevator?</b>	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>2</sub> No	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>2</sub> No	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>2</sub> No	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>2</sub> No	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>2</sub> No	<input type="checkbox"/> <sub>1</sub> Yes <input type="checkbox"/> <sub>2</sub> No
<b>B. What is the transportation rate for this shipment? (\$/unit)</b>	_____	_____	_____	_____	_____	_____
	<i>Truck</i>		<i>Rail</i>			
		<i>Barge</i>				

**Q7. Which one of these did you use for your very last freight shipment?**

- <sub>1</sub> Truck to \_\_\_\_\_
- <sub>2</sub> Truck to \_\_\_\_\_ then Barge to \_\_\_\_\_
- <sub>3</sub> Rail to \_\_\_\_\_
- <sub>4</sub> Truck to Railroad then Rail to \_\_\_\_\_

- <sub>5</sub> Barge to \_\_\_\_\_
- <sub>6</sub> Other (*Specify mode and destination*): \_\_\_\_\_

**Q8. Now suppose your original option for transportation (listed in Q7) was unavailable for six months. During that time period, what mode/destination option would you now utilize? (Please check ONE box)**

Alternative Mode

- <sub>1</sub> Truck to (*enter location*) then Barge to \_\_\_\_\_
- <sub>2</sub> Truck to \_\_\_\_\_ then Barge to \_\_\_\_\_
- <sub>3</sub> Rail to \_\_\_\_\_
- <sub>4</sub> Truck to Railroad then Rail to \_\_\_\_\_

Q9. If the transportation rate increased **«Percent change1»%**, would you switch to the alternative at this location or continue with the original mode and destination?

- <sub>1</sub> Switch to Alternative mode → Skip to Q10
- <sub>2</sub> Continue to use Original mode

Q9a. If continue to use Original mode, what percentage increase in the transportation rate would be necessary to cause you to switch to the Alternative transportation mode?

\_\_\_\_\_ % increase

4

#### TRANSIT TIME

Q10. If the transit time (including scheduling and wait for equipment) for the original option increased **«Percent change1»%**, would you switch to the alternative at this location or continue with the original mode and destination?

- <sub>1</sub> Switch to Alternative mode → Skip to Q11
- <sub>2</sub> Continue to use Original mode

Q10a. If continue to use Original mode, what percentage increase in the transit time would be necessary to cause you to switch to the Alternative transportation mode?

\_\_\_\_\_ % increase

#### RELIABILITY

Q11. If the reliability (percentage of time shipments arrived on-time) of the original option decreased **«Percent change1»%**, would you switch to the alternative at this location or continue with the original mode and destination?

- <sub>1</sub> Switch to Alternative mode → Skip to Q12
- <sub>2</sub> Continue to use Original mode

Q11a. If continue to use Original mode, what percentage decrease in the reliability would be necessary to cause you to switch to the Alternative transportation mode?

\_\_\_\_\_ % decrease

5



## FACILITY CHARACTERISTICS

**Q12. How long has this elevator been at its current location?**

\_\_\_\_\_ years

**Q13. How important were logistic costs in determining your current plant location?**

- <sub>1</sub> Very important
- <sub>2</sub> Somewhat important
- <sub>3</sub> Not very important
- <sub>4</sub> Not important at all
- <sub>5</sub> Not applicable

**Q14. If you were offered an alternative plant location that would result in lower logistic and transportation costs, what percentage decrease in logistics and transportation costs would be necessary to induce you to relocate?**

\_\_\_\_\_ % decrease in costs

Check here if you would not relocate.

**Q15. What modes of transportation do you commonly use for inbound and outbound shipments (check all that apply) and what percentage of your shipments does each mode comprise?**

	Inbound Shipments			Outbound Shipments		
	Is this mode used?		What percentage of your total shipments come in this way?	Is this mode used?		What percentage of your total shipments go out this way?
	Yes	No		Yes	No	
Private Truck.....	▼ <input type="checkbox"/> <sub>1</sub>	▼ <input type="checkbox"/> <sub>2</sub>	▼ _____ %	▼ <input type="checkbox"/> <sub>1</sub>	▼ <input type="checkbox"/> <sub>2</sub>	▼ _____ %
For-Hire Truck.....	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	_____ %	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	_____ %
Barge .....	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	_____ %	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	_____ %
Rail .....	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	_____ %	<input type="checkbox"/> <sub>1</sub>	<input type="checkbox"/> <sub>2</sub>	_____ %

6

**Q16. How many rail cars can be loaded or unloaded at your facility at a given time?**

\_\_\_\_\_ # of cars

Check here if you cannot load or unload rail cars at this facility.

**Q17. Thinking about the commodity you ship most often, what was the average commodity price over the last three years in your county before it was shipped?**

\_\_\_\_\_ price per unit

*please check the type of unit for this commodity*

<sub>1</sub> Tons      <sub>2</sub> Bushels      <sub>3</sub> Cwt.  
<sub>4</sub> Gallons      <sub>5</sub> Other (specify: \_\_\_\_\_)

**Q18. How large is this elevator facility?**

\_\_\_\_\_ Total Amount of Annual Units Shipped

*please check the type of unit for this elevator*

<sub>1</sub> Tons      <sub>2</sub> Bushels      <sub>3</sub> Cwt.  
<sub>4</sub> Gallons      <sub>5</sub> Other (specify: \_\_\_\_\_)

\_\_\_\_\_ Total Amount of Storage Capacity

*please check the type of unit for this elevator*

<sub>1</sub> Tons      <sub>2</sub> Bushels      <sub>3</sub> Cwt.  
<sub>4</sub> Gallons      <sub>5</sub> Other (specify: \_\_\_\_\_)

## Question related to Transportation Choice and Satisfaction

(Many of these questions are conditioned on prior questions)

1. Where is your firm or facility located: (where does the firm receive to or ship from)  
City \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_
2. What is the primary commodity your firm or facility transports: \_\_\_\_\_

### Shipment Characteristics:

3. Consider the very last shipment of **refer to question 2** you made. Where did this shipment travel to and from (in the US)?

From: City \_\_\_\_\_ State \_\_\_\_\_

To: City \_\_\_\_\_ State \_\_\_\_\_

4. On this last shipment, what mode(s) did you use? **(CAN HAVE MORE THAN ONE YES ANSWER, BUT NOT ALL NO'S)**

Barge	Yes	No
Rail	Yes	No
Truck (for hire ____ or your own ____)	Yes	No

5. How large was the shipment? (**just one needed**) \_\_\_\_\_ tons  
\_\_\_\_\_ bushels  
\_\_\_\_\_ cwt (hundred weights)

6. How long did the shipment take (to reach its terminal point, US)?

Days \_\_\_\_\_ Hours \_\_\_\_\_

7. Did the shipment arrive on time? Yes No

If not, how long was it delayed? Days \_\_\_\_\_ Hours \_\_\_\_\_

8. Approximately, how far did the shipment travel? \_\_\_\_\_ miles

9. What was the rate for barge? \$ \_\_\_\_\_  
What was the unit (per ton \_\_\_\_, per cwt \_\_\_\_, per bushel \_\_\_\_, other \_\_\_\_ specify \_\_\_\_\_)

What was the rate for rail? \$ \_\_\_\_\_

What was the unit (per ton\_\_\_\_, per cwt\_\_\_\_, per bushel\_\_\_\_, other \_\_\_\_specify\_\_\_\_\_)

What was the rate for truck? \$\_\_\_\_\_

What was the unit (per ton\_\_\_\_, per cwt\_\_\_\_, per bushel\_\_\_\_, other \_\_\_\_specify\_\_\_\_\_)

Total rates for all modes \_\_\_\_\_ Unit of measurement \_\_\_\_\_

If a private (they own the trucks) shipment, what is your estimate of per unit cost?

\$ \_\_\_\_\_

Is that	Per ton	_____
	Per bushel	_____
	Per cwt (hundredweight)	_____
	Per mile	_____

10. Would you ship by other modes to and from the same locations or would you choose other locations.

Other mode to same location \_\_\_\_\_ Other locations \_\_\_\_\_ Shut down \_\_\_\_\_

If other location, where? From: City \_\_\_\_\_ State \_\_\_\_\_

To: City \_\_\_\_\_ State \_\_\_\_\_

***If they report they have no alternatives ask the following as a prompt/question:***

***Well, does that mean you would shut down? \_\_\_yes \_\_\_no***

***If no, what would you do? FILL IN 10!***

11. For this alternative shipment, what mode or modes would you use?

Barge	Yes	No
Rail	Yes	No
Truck (for hire____ or your own____)	Yes	No

***FOR QUESTION #12, REFER TO QUESTION #11 FOR THE MODES TO ASK:***

12. a. What would be an approximate the rate for barge? \$\_\_\_\_\_

What was the unit (per ton\_\_\_\_, per cwt\_\_\_\_, per bushel\_\_\_\_, other \_\_\_\_specify\_\_\_\_\_)

b. What would be an approximate rate for rail? \$\_\_\_\_\_

What was the unit (per ton\_\_\_\_, per cwt\_\_\_\_, per bushel\_\_\_\_, other \_\_\_\_specify\_\_\_\_\_)

c. What would be an approximate rate for truck? \$\_\_\_\_\_

What was the unit (per ton\_\_\_\_, per cwt\_\_\_\_, per bushel\_\_\_\_, other \_\_\_\_specify\_\_\_\_\_)

\$ \_\_\_\_\_ Unit of measurement \_\_\_\_\_

13. How long would the alternative shipment be expected to take (to reach its terminal point, US)?

Days \_\_\_\_\_ Hours \_\_\_\_\_

14. How often do similar shipments arrive on time? \_\_\_\_\_ %

15. Approximately, how far would the alternative shipment travel? \_\_\_\_\_ miles

16. How large would this alternative shipment be? \_\_\_\_\_ tons  
\_\_\_\_\_ bushels  
\_\_\_\_\_ cwt (hundred weights)

---

We now like you to consider what conditions, if any, might cause you to switch from your original shipment to the alternative. Your last shipment was to/from **(insert question 3 response)** by **(insert question 4 response)**. You said your alternative was a shipment was to/from **(insert question 10 response)** by **(insert question 11 response)**.

17. If the rate of the original choice was  percent Original Alternative  
higher than what you paid, would you make  
the original choice or the alternative?

If original, by what percentage would rates have to increase to induce a switch to the alternative?  
\_\_\_\_\_ %

18. If the transit time of the original choice was  Original Alternative  
Percent higher than what you paid, would you make  
the original choice or the alternative?

If original, by what percentage would times in transit have to increase to induce a switch to the alternative?  
\_\_\_\_\_ %



Revenues per year \_\_\_\_\_

Tons shipped per year \_\_\_\_\_

Number of employees \_\_\_\_\_

29. What modes do you use to ship your \_\_\_\_\_ (*insert commodity listed in question 2*)
- |                      |     |    |
|----------------------|-----|----|
| Barge                | Yes | No |
| Rail                 | Yes | No |
| For-Hire Truck       | Yes | No |
| Private (your) truck | Yes | No |

30. What percentage of your shipments involve:

Barge:	_____ %
Rail:	_____ %
For-hire Truck	_____ %
Private Truck	_____ %

31. What is the average price or value of the \_\_\_\_\_ (*insert commodity from question 2*) you pay or receive?

Price \_\_\_\_\_ Unit of measurement \_\_\_\_\_ (ton, bushel, cwt (hundred wt.))

Is this the value at your location or at the location being transported to or from? Yours Other

32. How far is the nearest rail loading facility? \_\_\_\_\_ miles

33. How far is the nearest barge loading facility? \_\_\_\_\_ miles

34. Do you have loading and unloading equipment for:

Barge Shipments	Yes	No
Rail Shipments	Yes	No
Truck Shipments	Yes	No

35. What fraction of the delivered value of your commodity represents logistics costs (i.e., rate + inventory + handling/landed price)?

\_\_\_\_\_

## Shipper interview questions

1. Name the primary types of commodities you receive and ship. Give the number of tons of each commodity moved during a typical year by each mode of transportation listed on the right.

	<b>Name of Commodity</b>	<u>Truck Tons/Year</u>	<u>Rail Tons/Year</u>	<u>Barge Tons/Year</u>	<u>Steamship Tons/Year</u>	<u>Pipeline Tons/yr.</u>
<u>Receipts:</u>	1. _____	_____	_____	_____	_____	_____
	2. _____	_____	_____	_____	_____	_____
	3. _____	_____	_____	_____	_____	_____
	4. _____	_____	_____	_____	_____	_____
	5. _____	_____	_____	_____	_____	_____
	6. _____	_____	_____	_____	_____	_____
	7. _____	_____	_____	_____	_____	_____
	8. _____	_____	_____	_____	_____	_____
	9. _____	_____	_____	_____	_____	_____
	10. _____	_____	_____	_____	_____	_____
<u>Shipments:</u>	1. _____	_____	_____	_____	_____	_____
	2. _____	_____	_____	_____	_____	_____
	3. _____	_____	_____	_____	_____	_____
	4. _____	_____	_____	_____	_____	_____
	5. _____	_____	_____	_____	_____	_____
	6. _____	_____	_____	_____	_____	_____
	7. _____	_____	_____	_____	_____	_____
	8. _____	_____	_____	_____	_____	_____
	9. _____	_____	_____	_____	_____	_____
	10. _____	_____	_____	_____	_____	_____



2. How are each of these products shipped? (Circle one)

Names of Commodities	Form Shipped				
	Drums	Pallets	Packages	Dry Bulk	Liquid Bulk
1. _____	a	b	c	d	e
2. _____	a	b	c	d	e
3. _____	a	b	c	d	e
4. _____	a	b	c	d	e
5. _____	a	b	c	d	e
6. _____	a	b	c	d	e
7. _____	a	b	c	d	e
8. _____	a	b	c	d	e
9. _____	a	b	c	d	e
10. _____	a	b	c	d	e

4. What size barges, railroad cars, and trucks (in terms of tons) do you generally use to receive or ship each of your commodities and what are the specific frequency of shipments of each of these commodities? \*Repeat commodity listing for each mode of transportation.

*Names of Commodities	Transport Mode	Mode Size (in tons)	Frequency (Times per mo.)
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____

5. For each mode of movement, what are the line haul rates of shipment for each commodity? You may attach a published rate schedule in lieu of filling out the information below.

	<b>Name of Commodity</b>	Truck \$ Per Ton	Rail \$ Per Ton	Barge \$ Per Ton	Steamship \$ Per Ton	Pipeline \$ Per Ton
<u>Receipts:</u>	1.					
	2.					
	3.					
	4.					
	5.					
	6.					
	7.					
	8.					
	9.					
	10.					
<u>Shipments:</u>	1.					
	2.					
	3.					
	4.					
	5.					
	6.					
	7.					
	8.					
	9.					
	10.					

6. Who generally controls the modal choice (routing) of these movements?

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7. Who generally pays the freight of these movements?

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8. Who in your organization could I talk to about getting additional line-haul rate information?

Name: \_\_\_\_\_

Address: \_\_\_\_\_

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Phone: \_\_\_\_\_

Location: \_\_\_\_\_

9. Are you anticipating a major shift in transportation modes in the near future?

Yes  No

If yes, please explain:

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10. What are the various reasons you ship by each mode of transportation? Are service, cost, or other factors overriding? Do not provide any Personally Identifiable Information (PII)

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## Location related question.

Name of Firm: \_\_\_\_\_

Nature of Business: \_\_\_\_\_

Name of Parent Firm: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Name of Interviewee: \_\_\_\_\_

Job Title of Interviewee: \_\_\_\_\_

Business Mailing Address: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Business Phone Number: (\_\_\_\_\_) \_\_\_\_\_

FAX Number: (\_\_\_\_\_) \_\_\_\_\_

Business E-Mail Address: \_\_\_\_\_

1. Please list the names and addresses of all terminals and docks owned by this company, their waterway location, and this port-dock codes.

a. Dock/Terminal Name: \_\_\_\_\_

Address: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Waterway: \_\_\_\_\_

River Mile Location: \_\_\_\_\_

Port/Dock Code: \_\_\_\_\_

b. Dock/Terminal Name: \_\_\_\_\_

Address: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Waterway: \_\_\_\_\_

River Mile Location: \_\_\_\_\_

Port/Dock Code: \_\_\_\_\_

2. Are the commodities you ship regulated, unregulated or both regulated and unregulated? (CIRCLE)

- 1. REGULATED ONLY
- 2. UNREGULATED ONLY
- 3. BOTH REGULATED AND UNREGULATED

3. Please give the following information for the primary commodities shipped during the last full calendar year (Year):

<u>Commodities Shipped:</u> (Description)	<u>Code</u>	<u>Tons/</u> <u>Year</u>	<u>% Tons by Season</u>				<u>Modes of</u> <u>Transport</u>	<u>Terminals</u> <u>Used</u>
			<u>Spring</u>	<u>Summer</u>	<u>Fall</u>	<u>Winter</u>		
1. _____	_____	_____	_____	_____	_____	_____	_____	
2. _____	_____	_____	_____	_____	_____	_____	_____	
Etc.								

4. Please give the following information for the primary commodities received during the last full calendar year (Year):

Commodities Shipped: Tons/ % Tons by Season      Modes of Terminals  
(Description)   Code   Year   Spring   Summer   Fall   Winter   Transport   Used

1. \_\_\_\_\_  
2. \_\_\_\_\_ Etc.

5. Please list both the primary commodities (as measured by tons, dollar value) that you shipped during the last full calendar year and the primary commodities received in that year:

Primary Commodities SHIPPED

Primary Commodities RECEIVED

1. \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

5. \_\_\_\_\_

6. Please list both the primary commodities (as measured by tons, dollar value) that you ship during a typical year, and the primary commodities that you receive in such a year:

Primary Commodities SHIPPED

Primary Commodities RECEIVED

1. \_\_\_\_\_

1. \_\_\_\_\_

2. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

5. \_\_\_\_\_

7. In the left column, please list the major commodities that your firm ships by water. Then for each commodity, please list the origin, destination, typical annual tonnage, and rate per ton.

COMMODITY	MOST FREQUENT ORIGIN	MOST FREQUENT DESTINATION	ANNUAL TONNAGE	RATE/TON
1.				
2.				
3.				
4.				
5.				
6.				
7.				

## Questions related to commercial fishing

1. How long have you been a fisherman? \_\_\_\_\_years
2. Are channel conditions causing you any delays?  
\_\_\_\_YES - Answer Sections A and B  
\_\_\_\_NO - Answer Section B only

### Section A

For the following questions, assume channel conditions have been improved as shown on the attached exhibit.

3. Would you harvest more per trip?  
\_\_\_\_YES Approximately \_\_\_\_\_LBS.. PER TRIP  
\_\_\_\_NO Why? \_\_\_\_\_
4. Would you make more trips per year?  
\_\_\_\_YES \_\_\_\_MORE TRIPS PER YEAR  
\_\_\_\_NO Why? \_\_\_\_\_
5. Do you expect to spend more in boat repair and maintenance if you make more trips?  
\_\_\_\_YES \$\_\_\_\_\_ more per year  
\_\_\_\_NO Why? \_\_\_\_\_
6. Do you expect to spend more in fishing equipment repair and maintenance if you fish more and/or make more trips?  
\_\_\_\_YES \$\_\_\_\_\_ more per year  
\_\_\_\_NO Why? \_\_\_\_\_
7. Would you save in repairs and maintenance from boat groundings?



\_\_\_\_\_ YES \$ \_\_\_\_\_ PER YEAR  
\_\_\_\_\_ NO

EXHIBIT TO ACCOMPANY SECTION A

(Show diagram specific to study area.)

8. Would you take less ice per trip?

\_\_\_\_\_ YES \_\_\_\_\_ LBS. LESS PER TRIP

\_\_\_\_\_ NO Why? \_\_\_\_\_

9. How much would you save per trip in expenses such as groceries, fuel, etc.? If none, write zero.

\$ \_\_\_\_\_ PER YEAR

10. Would you consider buying a larger boat after channel improvements?

\_\_\_\_\_ YES Length \_\_\_\_\_ Width \_\_\_\_\_ Draft \_\_\_\_\_

\_\_\_\_\_ NO

11. Would you save any time in departures and arrivals?

\_\_\_\_\_ YES \_\_\_\_\_ PER TRIP (AVERAGE HOURS, DAYS, ETC.)

\_\_\_\_\_ NO

12. To how many fish houses do you sell? \_\_\_\_\_

Please give name and location below:

	NAME	LOCATION
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____

13. Are the proceeds from fishing trips shared on a percentage basis?

\_\_\_\_\_ YES

\_\_\_\_\_ NO

14. If yes above, please give gross percentages as follows:

BOAT	CAPTAIN	CREW	TOTAL
_____	_____	_____	<u>100%</u>

15. Do captain and crew share pay for trip expenses?

\_\_\_\_\_ YES

\_\_\_\_\_ NO Explain. \_\_\_\_\_

16. The following information is needed to describe your commercial fishing fleet.

Boat Number	Length (Ft.)	Width (Ft.)	Draft (Ft.)	Capacity (Lbs.)	Average Length of Trip (No. Days, etc.)	Average Number of Trips Per Year	Crew No. (Including Captain)	Average Expenses Per Trip (\$)	Kind of Catch (By Species)	Average Load Per Trip (By Species) (Lbs.)	Fishing Seasons (Include Months)	Dock Location (Name & Place)	Yearly Boat Repair & Maint. Cost (\$)	Yearly Fishing Equip. Repair & Maint. Cost (\$)

## Vessel Background Information

Please describe your equipment below.

1. Vessel Type: ( ) Outboard ( ) Inboard ( ) Inboard/Outboard

( ) Other (specify) \_\_\_\_\_

2. What is the name and license or registration number of your vessel?  
\_\_\_\_\_.

3. Vessel Size:

Length (feet) \_\_\_\_\_

Beam (feet) \_\_\_\_\_

Draft (light) \_\_\_\_\_

Draft (loaded) \_\_\_\_\_

Net Tonnage \_\_\_\_\_

Engine Size (horsepower) \_\_\_\_\_

Engine Type (gas, diesel) \_\_\_\_\_

4. Vessel Speed (knots):

At Sea \_\_\_\_\_

Minimum maneuvering speed in harbor \_\_\_\_\_

Maximum maneuvering speed in harbor \_\_\_\_\_

5. What is your crew size (including skipper): \_\_\_\_\_

**Description of Operations**

6. Where is your boat currently based (homeport)?

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7. a. Do you rent an exclusive stall? (Circle) Yes No

b. If yes, name of harbor? \_\_\_\_\_

8. If you operate from more than one harbor, please give the approximate amount of working time from each:

	<u>Port</u>	<u>Time in Weeks</u>
a.	_____	_____
b.	_____	_____
c.	_____	_____

9. Which waterways do you use?

10. What type of processing plant (shore-based, at-sea, cannery, etc.) do you use and in what proportion?

	<u>Plant</u>	<u>Percent</u>
a.	_____	_____
b.	_____	_____
c.	_____	_____

11. What is your fuel use per hour while:
- a. Traveling at sea? \_\_\_\_\_ gallons/hour
  - b. Within the harbor area? \_\_\_\_\_ gallons/hour
  - c. At rest? \_\_\_\_\_ gallons/hour
  - d. Fishing? \_\_\_\_\_ gallons/hour

11a. During a typical day of operation, how many gallons of fuel does your vessel use?  
 \_\_\_\_\_ gallons

12. How much do you pay your crew in wages or shares of the catch?

\_\_\_\_\_

13. If the crew is paid a percentage of returns, are some costs deducted?

- a. yes
- b. no

13a. If yes, list the type of cost and the amount deducted per employee.

<u>Type of Cost</u>	<u>Amount deducted per employee</u>
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

14. What are your packing and/or processing costs per 100 pounds? \_\_\_\_\_  
 \_\_\_\_\_

**Fishery Data**

15. Indicate the number of days you spend fishing by month and species (crab, shrimp, halibut, salmon, bottom fish, etc.)

Species	From	Port Operating											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
a. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
b. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
c. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
d. _____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

16. Indicate the number of roundtrips made and the number of days spent fishing vs. in port for each species.

<u>Species</u>	<u>Roundtrips Per Year</u>	<u>Days Fishing Per Trip</u>	<u>Days in Port Per Trip</u>
a. _____	_____	_____	_____
b. _____	_____	_____	_____
c. _____	_____	_____	_____
d. _____	_____	_____	_____

17. What is your catch per year of each type of catch?

<u>Species</u>	<u>Catch per year</u>
a. _____	_____
b. _____	_____
c. _____	_____
d. _____	_____
e. _____	_____

17a. If your catch includes shrimp, is this figure for heads off or on?  
(circle one)

- a. heads off
- b. heads on

18. What was the average price per lb. You received for:

<u>Species</u>	<u>Price</u>
a. _____	_____
b. _____	_____
c. _____	_____
d. _____	_____
e. _____	_____

### Existing Conditions

The purpose of this section is to determine the extent of problems encountered in the \_\_\_\_\_ harbor system.

19. a. What are your estimated annual vessel maintenance and repair costs? \$\_\_\_\_\_
- b. What portion of your vessel maintenance and repair costs are due to the existing conditions in the \_\_\_\_\_ harbor system? \$\_\_\_\_\_
- c. Of that portion, how much is due to each of the following causes:

- 1) Wave damage in \_\_\_\_\_ harbor (hull maintenance, mooring line repair, buoy replacement, etc.) \$\_\_\_\_\_
- 2) Harbor overcrowding and congestion (rafting, collisions, etc.) \$\_\_\_\_\_
- 3) Other (please specify)\_\_\_\_\_ \$\_\_\_\_\_

20. Please estimate the delays you incur per trip due to the following:

	Hours per Trip	Number of Crew on Board
a. Overcrowding/congestion in basins and channels	_____	_____
b. Overcrowding/congestion at existing working docks	_____	_____
c. Moving vessels from within rafts	_____	_____
d. Channel depths	_____	_____

21. What type or types of equipment does your vessel carry?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

22. What types of nets or lines do you use?

\_\_\_\_\_

\_\_\_\_\_

23. How many hours per trip do you spend:

- a. Traveling to your fishing grounds? \_\_\_\_\_
- b. Traveling from your fishing grounds? \_\_\_\_\_
- c. At rest? \_\_\_\_\_
- d. With the nets or lines working? \_\_\_\_\_



## Impact of Improvements

The purpose of this section is to determine how \_\_\_\_\_ Harbor improvements similar to those shown on Exhibit A would affect your operations. The \_\_\_\_\_ Harbor with the planned improvements would have adequate moorage and working space and a wave climate similar to the \_\_\_\_\_ Harbor. Because of the rubble mound breakwater and added floats the wing would be slightly reduced from existing conditions.

24. With \_\_\_\_\_ Harbor improvements similar to those shown on Exhibit A, how many trips per year traveling to another port such as \_\_\_\_\_, \_\_\_\_\_, or \_\_\_\_\_ could be avoided?

Port	Trips Avoided Per Year
a. _____	_____
b. _____	_____
c. _____	_____
d. _____	_____

25. With \_\_\_\_\_ Harbor improvements similar to those shown on Exhibit A, would you check on your boat less?

Number of boat checks per year that would be eliminated \_\_\_\_\_  
 Amount of time per check \_\_\_\_\_

26. With \_\_\_\_\_ Harbor improvements similar to those shown on Exhibit A, would you stand watch on your boat less during storms?

Number of watches eliminated per year \_\_\_\_\_  
 Amount of time per watch \_\_\_\_\_

27. Do you ever leave \_\_\_\_\_ Harbor due to the wave climate? If yes,

- a. How many times per year? \_\_\_\_\_
- b. Where do you go? \_\_\_\_\_
- c. How long to you stay away? \_\_\_\_\_
- d. How many crew are on board? \_\_\_\_\_

28. Describe harbor facilities you feel are needed in \_\_\_\_\_, e.g., working docks for gear transfers and repairs, stalls for vessels greater than 120 feet, additional parking, etc.

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29. What other information do you have concerning the other waterways that you use that would be helpful in determining your use of this waterway? Do not provide any Personally Identifiable Information (PII)

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# LINER SERVICE SURVEY

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1. Type of service provided by your company: (Check all that apply)

Scheduled line       Trip charter

Other (specify)

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2. Type of cargo carried by your company: (Check all that apply)

Container       Dry bulk

Breakbulk       Tanker

NEO bulk       Other (specify) \_\_\_\_\_

3. Please list the representative ship sizes and types owned or leased by your firm along with the estimated replacement/retirement dates for these vessels.

Cargo Type	Vessel Class (Deadweight Ton(DWT)/Twenty Foot Equivalent Unit (TEU)	Dimensions			Number leased/ Number Purchased		Estimated Replacement/ Retirement year	Number of ships on order	Approximate Delivery Dates	Number in Class
		Length	Beam	Draft						
Container										
Breakbulk										
NEO bulk										
Dry bulk										
Tanker										
Other (specify types)										

4. For each class of vessel shown in Question 3 above, please list their number of days in service and percentages of them engaged in different activities.

<b>PERCENT OF THE TIME ENGAGED IN THESE ACTIVITIES</b>									
Cargo Type	No. In Vessel Class	Number of days per Year in Service	% Time at Sea	% Time in Port Working	% Time Waiting for Berth	% Time Waiting for Tide	% Time Waiting for Weather	% Time Under Repairs	% Other Nonproductive Time
Container									
Breakbulk									
NEO bulk									
Dry Bulk									
Tanker									
Other									

5. Of the U.S. ports you serve, which three U.S. ports have the least adequate channel dimensions? Also, list the types of cargo usually carried in these ports.

U.S. Port	Type of Cargo Carried
Name of Port #1:	
Name of Port #2:	
Name of Port #3:	

6. In what ways, for the three ports named above, are channels inadequate? Check the appropriate boxes below each port.

	Port #1	Port #2	Port #3
Lack of channel reliability?			
Not sufficiently deep?			
Too much traffic congestion?			
Not sufficiently wide?			
Safety concerns?			
Weather concerns?			
Inadequate turning basins?			
Other ways? (Please specify): _____			
_____			

7. For each of the following trade routes or areas served by your company, give the total number of metric tons you ship annually.

	METRIC TONS		METRIC TONS
Northern Europe & Scandinavia	_____	Caribbean & Central America	_____
Southeast Asia & Japan	_____	West Coast United States	_____
Mediterranean	_____	East Coast United States	_____
Australia & New Zealand	_____	Gulf Coast United States	_____
West, South, & East Africa	_____	Great Lakes	_____
West Coast South America	_____	Other (specify): _____	
East Coast South America	_____	_____	

8. Of the trade routes or areas mentioned in question #7 as being served by your company, which three ports have the least adequate channel dimensions? Also, list the types of cargo usually carried in and out of these three ports.

Foreign Ports with Least Adequate Channel Dimensions	Cargo Usually Carried
Name of Port #1	
Name of Port #2	
Name of Port #3	

9. Give each of the following dollar costs, which your company can specify, per the units specified, below, and/or per TEU.

Costs	\$ per Units Specified	and/or \$ per TEU
Total land transportation costs PER CARGO TON	\$ _____	\$ _____ per TEU
Total port to port costs PER CARGO TON	\$ _____	\$ _____ per TEU
Vessel at sea cost PER HOUR	\$ _____	\$ _____ per TEU
Vessel in port working cost PER HOUR	\$ _____	\$ _____ per TEU
Vessel in port waiting cost PER HOUR	\$ _____	\$ _____ per TEU
Other (specify types of cost and units) _____ _____	\$ _____	\$ _____ per TEU

10. What are the criteria your company uses to trade off the increased risk of running aground with the increased risk associated with deeper loadings? Do not provide any Personally Identifiable Information (PII)

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11. Please list any expected changes that will significantly affect your shipping patterns (i.e., changes in ships technology, land side technology, marketing strategy, etc.). Do not provide any Personally Identifiable Information (PII)

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12. After channel improvements are made, what criteria would your organization use in deciding when it should switch to larger ships? Do not provide any Personally Identifiable Information (PII)

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13. Please specify any current plans you may have to switch from your existing routing patterns. Do not provide any Personally Identifiable Information (PII)

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14. If the channels are improved at the ports that you use, how do you feel your steamship line will benefit? Check all that apply.

- |   |  |
|---|--|
| <input type="checkbox"/> Increased frequency of service | <input type="checkbox"/> Increased loadings per vessel |
| <input type="checkbox"/> Increased speed per vessel     | <input type="checkbox"/> Change of itinerary           |
| <input type="checkbox"/> Other (please specify) _____   |  |



15. For what types of commodities are you likely to experience transportation savings from improvements to waterway channels? Please explain.

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16. Are the depths at the dock you use adequate for your current and expected needs?

No                       Yes (Please explain) \_\_\_\_\_

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17. Are you having trouble docking in \_\_\_\_\_?  
 Yes     No

18. What is causing your docking problems?

Currents                       Inadequate depths  
 Wind                               Other (please specify) \_\_\_\_\_

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19. Would you like to see improvements in the NAVAIDS?     Yes     No

If yes, please specify:

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20. What suggestions do you have for solving the navigation problems that exist in \_\_\_\_\_? Check all that apply.

More dredging

Using smaller ships

Using Doppler sonar tide gauges for  
real-time tide measurement

Altering the navigation  
routes currently used in the inlet

Other (please specify)

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