Study of Dockage in Gloucester's Designated Port Area
Summary

The Urban Harbors Institute (UHI), University of Massachusetts Boston assisted the Gloucester Fisheries Commission to conduct a study of commercial dockage in Gloucester Inner Harbor. The study presents a review of existing conditions and expected needs to serve as the basis for the Fisheries Commission to formulate recommendations for ensuring sufficient commercial dockage to support the future fishery. Strategies for the future Gloucester fisheries include measures to increase landings of groundfish, landings of alternative species, and value-added processing.

The Dockage Subcommittee[1] of the Fisheries Commission was instrumental to the study, meeting periodically to guide the process, reviewing progress, and providing assistance with filling in data gaps.

The following narrative and tables provide a synopsis of the data and findings of the study. Spreadsheets of all data collected have been submitted in electronic format.

Methodology

The study was carried out from late 2012 through early 2014 during which time two written surveys were conducted–one of property owners, the other of vessel owners; federal, state and local data bases acquired and analyzed; site visits held; and preliminary findings discussed at meetings of both the Fisheries Commission and Dockage Subcommittee.

1. *Property Owner Survey*

   In late 2012 a survey was sent by the Gloucester Fisheries Commission to each of the 77 owners of waterfront property in the Gloucester Designated Port Area (DPA), the purpose of which was to obtain data and information on:

   - The linear feet of total dockage at the property and the amount used for commercial vessels.
   - Water depth at the dock.
   - Whether there is space available to expand dockage and if there is an expectation to do so.

   Summary results of the property owner survey are in Attachment A.

2. *Vessel Owner Survey*

   To identify vessels that likely berth in Gloucester inner harbor or who land fish in Gloucester harbor (needing transient dockage), UHI obtained the following data bases containing information on commercial fishing vessels:

   a) National Marine Fisheries Service: 2012 Vessel Permits, all Northeast;
   b) National Marine Fisheries Service: 2012 Tuna Permits, all Northeast;
   c) National Marine Fisheries Service: permit list sorted by vessels that landed fish in Gloucester in 2011 (the last year for which the data had been compiled at that time);
   d) Massachusetts Department of Marine Fisheries: vessel permits for vessels greater than 20 ft. with Gloucester as their homeport or address location;
   e) Mass Lobstermen's Association, Inc., Gloucester vessels;
   f) Vessels in Sector II;
   g) Vessels in Sector III;
   h) data base compiled by Patti Page of about 200 commercial vessels observed in Gloucester Harbor;

[1] Mark Ring, Peter Bent, Jim Caulkett, Sarah Garcia, Anthony Gross, Joe Orlando, Patti Page

i) tenant lists from the State Fish Pier, St. Peters Marina, and Harbor Cove commercial docks.

From these, a single data base was created containing 734 vessels (digital file available). The record for each vessel contains the combined data from any of the lists in which it appeared.

Between September 24 and October 2, 2012, a survey was sent by the Gloucester Fisheries Commission to a total of 346 owners of commercial fishing vessels in the combined data base who listed Gloucester as home or principal port or landed fish in Gloucester. The survey was designed to obtain data and information on:

- Vessel characteristics (length, type)
- Dockage location, fees, amenities (water, electricity, shoreside access)
- Insurance
- Fishery, gear type
- Permits with and without allocations
- Future prospects in the fisheries

Summary results of the vessel owner survey are in Attachment B.

3. *Dockage Subcommittee Review sand Input*

Subcommittee members augmented the data collection by filling data gaps with their personal knowledge of the harbor, by following-up with individual property and vessel owners, and estimating dockage lengths in the field and from aerial photographs.

Summary of Findings

Commercial Fishing Vessels berthing in Gloucester Harbor

Of the 734 vessels in the final combined list of vessels with federal and or state permits whose homeport or principal port is Gloucester, or that landed fish in Gloucester in 2011, it was determined that as of February 2014, 210 commercial fishing vessels currently berth at docks/wharves in Gloucester Inner Harbor. Changes in the fleet size and make-up were observed over the course of the study, so this number should be considered a snapshot in time. There are other Gloucester-based commercial fishing vessels at moorings in the harbor and at other berthing locations elsewhere in Gloucester, but the focus of this study is berthing at the Gloucester Inner Harbor DPA properties.

Table 1 depicts the commercial fishing vessels by location and fishery. The table shows the number of vessels at each of the 23 locations in the inner harbor where commercial vessels are reported to be docking. The properties and vessel berths are subtotaled for same subareas used in MCZM's recent DPA boundary review[2] as this is likely to be relevant to future recommendations for preserving existing and creating new commercial dockage. Attachment C lists the vessels, berthing location, size, and gear type of each vessel identified at dockage in Gloucester Harbor

Thirty-eight percent (38%) of the vessels are docked at "protected" berthing, defined here as dockage at publicly-owned facilities. It is believed that there is another category of dockage protected or reserved

[2] During 2013, the Massachusetts Office of Coastal Zone Management (MCZM) conducted a boundary review of the Gloucester Designated Port Area (DPA) in accordance with procedures in 301 CMR 25.00. As part of its analysis, MCZM defined seven planning units within the Gloucester Harbor DPA, each comprising a coherent group of parcels that share physical, geographical, and land use characteristics. The boundary changes to the Gloucester DPA proposed by MCZM utilize these planning units.

for commercial fishing vessels by virtue of the terms of existing Chapter 91 licenses at private facilities, though the amount has not been systematically determined[3].

Over two-thirds (68%) of the berthed fleet is made up of vessels less than 45 feet in length. Twenty-one percent are 45 to 65 feet in length, and 11 percent are greater than 65 feet (Table 2). This is a relatively diverse fleet, but it is dominated by the smaller vessels, the majority of which are lobster boats (Table 3).

Table 2 Commercial Fishing Vessels berthed at dockage in Gloucester inner harbor by size.

Category	**Size**	**Number**	***Percent***
Small	< 45 feet	143	*68*
Medium	45 – 65 feet	45	*21*
Large	> 65 feet	22	*11*
Totals		**210**	*100*

Table 3 Commercial Fishing Vessels berthed at dockage in Gloucester inner harbor by major fishery/gear type and size (not all gear types included).

	< 45 feet	**45 – 65 feet**	**> 65 feet**	**Total**
Lobster	72	11	1	84
Trawl	13	18	14	45
Gillnet	23	14		37
Tuna	16	1		17
MW Trawl			4	4
Seine			2	2

Seventy-one (71%) of the vessels and all except two (located at Rocky Neck) of the largest vessels are accommodated at facilities on the northwest side of the harbor from Harbor Cove to the State Fish Pier (Table 4). East Gloucester and Smith Cove sub-areas do berth about one-fourth of the small and mid-size commercial fleet.

Table 4 Commercial Fishing Vessels berthed at dockage in Gloucester inner harbor by sub-area and size.

Sub-area	**< 45 feet**	**45 – 65 feet**	**> 65 feet**	**Totals**	***Percent***
Harbor Cove	27	5	8	**40**	*19*
North Channel	26	18	4	**48**	*23*
State Fish Pier	41	11	8	**60**	*29*
East Gloucester	16	7		**23**	*11*
Smith Cove	25	1		**26**	*12*
Rocky Neck	8	3	2	**13**	*6*
Totals	**143**	**45**	**22**	**210**	*100*

[3] See, for example, Table 9: Permitted Activities on Waterfront Parcels, Gloucester Inner Harbor 1970-1993 in Gloucester Waterfront Study, Land Use and Economics, Urban Harbors Institute, 1994.

Table 1: Numbers of commercial fishing vessels by location and fishery.

Sub-areas*	Map/lot	Property Name	Number of Vessels	Gear Type														
				Lobster	Trawl	Gillnet	Tuna	Unknown	MW Trawl	Striper	Charter	Seine	Handline	Bass	Clam	Scallop	Herring	
Harbor Cove																		
	1-12	Felicia Oil	8	1	7													
	1-14	Intershell	1												1			
	7-16	**St. Peter's Marina**	14	11			1			1	1							**7%**
	7-7	Fisherman's Wharf	2	0	2													
	7-1	Gloucester House	2	1			1											
	9-29	**Harbor Cove Marina/I4-C2**	10	9										1				**5%**
	9-9	11 Harbor Loop	3						2			1						
		Subtotals	*40*	*22*	*9*	*0*	*2*	*0*	*2*	*1*	*1*	*1*	*0*	*1*	*1*	*0*	*0*	*19%*
North Channel																		
	9-17	Maritime Gloucester	3	1		2												
	9-21	Intershell	3	2			1											
	10-31	Cape Ann Seafood Exchange	23		3	17		3										
	11-4	Gloucester Marine Terminal/Cruiseport	2		2													
	53-3	Rose's	8	1	4	1						1				1		
	53-4	New England Marine Resources	4	1	2	1												
	53-17	Steve Connolly	5	4		1												
		Subtotals	*48*	*9*	*11*	*22*	*1*	*3*	*0*	*0*	*0*	*1*	*0*	*0*	*0*	*1*	*0*	*23%*
State Fish Pier																		
	53-19	7 Parker Street	5	3			1				1							
	54-108	**Jodrey State Fish Pier**	55	33	12	4	2	1	2								1	**26%**
		Subtotals	*60*	*36*	*12*	*4*	*3*	*1*	*2*	*0*	*1*	*0*	*0*	*0*	*0*	*0*	*1*	*29%*
East Gloucester																		
	58-39	Captain Joe and Son	13	8		4		1										
	59-77	East Gloucester Marine	10	1	1	1	3	2		2								
		Subtotals	*23*	*9*	*1*	*5*	*3*	*3*	*0*	*2*	*0*	*0*	*0*	*0*	*0*	*0*	*0*	*11%*
Smith Cove																		
	79-2	Beacon Marine	16	3		4	6	1		1			1					
	79-22	A&M Wharf	1				1											
	79-6	Santapaolo's Whart	9	3	2	2				2								
		Subtotals	*26*	*6*	*2*	*6*	*7*	*1*	*0*	*3*	*0*	*0*	*1*	*0*	*0*	*0*	*0*	*12%*
Rocky Neck																		
	128-40	Gloucester Marine Railway	*13*	*2*	*10*		*1*											*6%*
		TOTALS	**210**	**84**	**45**	**37**	**17**	**8**	**4**	**6**	**2**	**2**	**1**	**1**	**1**	**1**	**1**	
			100%	40%	21%	18%	8%											

Vessels at **protected dockage**, i.e., publicly-owned	**79**
Percent protected	**38%**

* These sub-areas are coterminous with the Planning Units defined by MCZM in its Boundary Review of the Gloucester Inner Harbor DPA (Feb 2014). The seventh Planning Unit (Cold Storage East Gloucester) is not shown in this table as there are no commercial vessels currently docking there).

Dockage in Gloucester Harbor

The total amount (linear feet) of dockage in Gloucester Harbor was determined from responses received from the property owner's survey and from measurements and estimates made by the Harbor Planning Director and the Dockage Subcommittee. Table 5 presents a summary of this data for commercial and recreational use and for a residual category for loading/unloading, transients and government vessels[4].

The potential for expansion of dockage is based on survey responses and an estimate based on available watersheet between the shoreline or existing facilities and the harborline.

Table 5 Amount (linear feet) of dockage in Gloucester Inner Harbor by use category.

Total length of commercial dockage[a]	16,955 lf
Total length of recreational dockage	5,920 lf
Total length of other (government, shallow, transient, loading)	1,540 lf
Total length of dockage in the inner harbor	24,415 lf
Potential for expansion of dockage	2,960 lf
Existing and potential	27,375 lf
The total length of commercial fishing vessels at berths in the inner harbor[b]	9,754 lf

[a] The Gloucester Harbor Characterization, 2004 estimated commercial wharves and piers in the inner harbor at *13,195* linear feet. No methodology or source was cited.

[b] There is no direct correlation between total dockage length and total vessel length as many vessels are not berthed broadside, but it is a useful number.

Data on existing and potential dockage by property is presented in Attachment D.

The capability of the harbor to accommodate vessels over 100 feet.

Vessels of 100 feet or more are currently berthed at K&J Fisheries (2) and Jodrey State Fish Pier[5] (3). Other properties with the capacity to support larger vessels based on the size of currently-berthed vessels are Felicia Oil, Fishermen's Wharf, the Gloucester Marine Terminal, Roses Marine, New England Marine Resources, and Gloucester Marine Railway. The number possible depends on configuration.

Several other sites in the inner harbor have wharves that would be ideal for vessels of this size: Americold's properties at 69 Rogers Street (390 foot wharf), 1 Rowe Square (546 foot wharf) and Gorton's 125-foot wharf at 127 Rogers Street. Mass Electric owns property between the Americold sites

[4] Based on a survey jointly completed by the 2009 Harbor Plan team and Harbormaster in early 2006, there was dock space for about 260 commercial vessels and 280 recreational vessels in Gloucester's Inner Harbor of a size typical of those now using the harbor (generally between 30 and 60 feet). The plan identified approximately 20 berths dedicated for use by commercial vessels receiving port services, including on-loading ice or fuel, off-loading fish, or receiving/waiting for repair services and 10 berths used exclusively by government boats (US Coast Guard, harbormaster, Massachusetts Environmental Police).

[5] Jodrey State Pier (website) support facilities include a 54 slip marina for boats up to 100 feet in length, three berths for ships up to 145 feet in length.

which, with improvement could also support large vessel berthing. Americold's property on the east side of the harbor at 155 East Main Street has 350 feet of wharf with the potential for an additional 660 feet. Dockage at these sites is currently unavailable because of security concerns of the property owners.

Generalized depths at berths

According to the 2009 Harbor Plan, the current controlling water depths at mean low water (MLW) in the main channel leading into different sections of the harbor are: 14 feet for Harbor Cove / Fort Point, 16 feet for the North Channel, 17 feet for the South Channel, and 15 feet into Smith Cove and Rocky Neck. The North Channel increased to approximately 18½ feet after several rock obstructions were removed from the channel in mid-2006. The average tidal range is 8.7 feet, but frequently exceeds 10 feet.

Based on survey responses received from a number of property owners around the harbor, water depths at berths are:

Harbor Cove: berths along the outer portion have 14-16 feet at MLW. Berths at properties deeper in to the cove are shallower with nearhore depths at 2 feet or less, increasing to a minimum of 10 feet.

Depths along the western shoreline adjacent to the North Channel are currently-21 feet at Americold and -18 feet surrounding the Jodrey State Fish Pier.

Permits have been approved to dredge the berthing areas between the North Channel and adjacent bulkheads/piers. About 20,700 cy will be removed between the North Channel and the State Pier to a depth of 26 feet to accommodate the 400 foot vessels. Another 51,200 cy is to be removed from the berthing areas along the opposite side of the North Channel from the USCG station north. This latter portion is contingent on completion of National Grid's remediation project which includes dredging the top layer of sediment from about seven acres of subtidal area in front of its property and adjacent Coast Guard and harbormaster properties This project is due to begin in October 2014 and will take three years.

Water depths at berths at the far end of the South Channel are -5 feet at high tide. Along the eastern side depths range from -3 feet nearshore to -12 feet toward the channel.

Depths near Beacon marine range from -8 feet to -15 feet MLW.

Comparison of commercial and recreational dockage fees on an annual basis (2012 costs)

Table 6: Comparison of commercial and recreational dockage fees; dockage costs for a 40-foot vessel.

Location	Amenities	Rate	Cost per year/season
Jodrey State Fish Pier	Electricity/Water	$7/ft/month	$3,360
Harbor Cove Marina (city)	Electricity/Gear storage	$4.25/ft/month	$2,040
St. Peters Marina (city)	Electricity/Gear storage	$3.75/ft/month	$1800
Private marina	Electricity/Water	$125/ft/season	$5,000
Private marina	Electricity/Water	$165/ft/season	$6,600
Mooring	None	$6/ft/season:	$240

		resident $8/ft/season: nonresident	$320

Approximately 350 recreational vessels in Gloucester's Inner Harbor, about 280 at slips and 86 at

Recommendations from the Dockage Study for Gloucester's Designated Port Area

1. Review existing Chapter 91 licenses and zoning approvals for DPA properties for requirements that waterfront facilities be reserved for commercial/fishing vessel dockage and support.

2. The unused wharves at the Americold, Gorton and, possibly, the Mass Electric properties, represent ideal opportunities for expansion of commercial berthing, especially for larger vessels because of the long straight bulkheads and ready access to navigable water. These features were designed and permitted for such use, which is not needed by the current use of the upland businesses.
    a. Work with the property owners in an effort to overcome concerns with security of the sites.
    b. Ensure commercial vessel berthing is part of any permitting for new development or improvements on the property.

3. Explore appropriate mechanisms that would enable public investment in the repair and upgrade of waterfront infrastructure in support of the commercial fishing fleet on private property.

4. Support MassDevelopment's proposal to increase dockage at the Jodrey State Fish Pier.

Attachments

Attachment A Property Owners Survey Results

Attachment B Vessel Owner Survey Results

Attachment C Vessels located at berths in Gloucester Harbor (February 2014).

Attachment D Data on existing and potential dockage by property (Excel spreadsheet)

Attachment E Comprehensive Permit database (Excel spreadsheet)

Attachments to be prepared:

Map of property owner responses

Map of vessel types, sizes by location

Map of properties with dockage lengths and commercial use

Attachment A Summary of Property Owners Survey Results

All 77 waterfront properties owners received the survey. Thirty-nine responses covering 42 properties were received (55% return). See map of responses.

Linear feet of dockage:

The 42 properties reported having 9,085 linear feet of existing dockage of which 6,029 linear feet (66 percent of total) is used for commercial vessels. The breakdown percent commercial:

Number of properties	Percentage of dockage for commercial vessels
17	100
1	80
1	90
3	70-75
1	17
10	0 (or n/a or none)

Watersheet available to expand dockage

Of the 34 responses to this question, eight indicated they were considering expansion of dockage. Concerns were expressed about lack of demand and the city's commitment to supporting marine industrial business.

Of the 26 respondents who are not considering expansion, reasons provided included: proximity of harbor line; need for dredging; fully utilized watersheet, exposure to south wind, property lines of neighbors. Another comment from a private property owner noted the challenge presented by the competition from the state pier and city-owned facilities. For private landowners, the combination of competing with these rates, the seasonality of the industry, and current low demand makes maintaining dockage for commercial fishing vessels difficult.

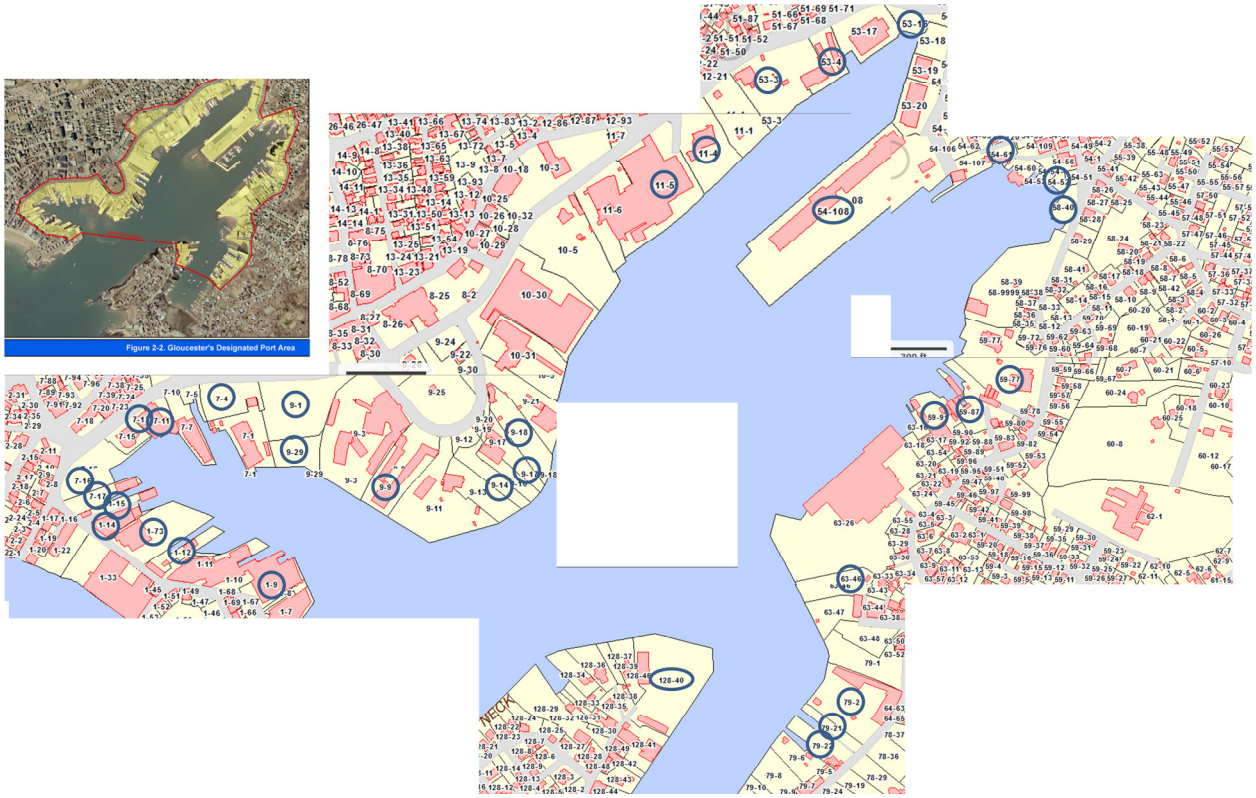

Figure 1 Map of property owners who responded to the survey.

Attachment B Summary of Vessel Owner Survey Results

To identify vessels that likely berth in Gloucester inner harbor or who land fish in Gloucester harbor (needing transient dockage), UHI obtained the following data bases containing information on commercial fishing vessels:

j) data base compiled by Patti Page of about 200 commercial vessels observed in Gloucester Harbor (noting the docks where they were berthed) and tenant lists from the SFP, St. Peters, and Harbor Cove Commercial docks.
k) National Marine Fisheries Service: 2012 Vessel Permits, all Northeast.
l) National Marine Fisheries Service: 2012 Tuna Permits, all Northeast.
m) National Marine Fisheries Service: permit list sorted by vessels which landed fish in Gloucester in 2011, the last year for which the data had been compiled.
n) Massachusetts Department of Marine Fisheries: vessel permits for vessels greater than 20 ft. with Gloucester as their homeport or address location.
o) Mass Lobstermen's Association, Inc.
p) Vessels in Sector II from sector manager.
q) Vessels in Sector III from sector manager.

A single data base was created from the above which contains 734 vessels, for which the record for each combines all the data for the vessel from all of the lists in which it appeared.

From this combined data base UHI selected vessels to be surveyed:

a. NMFS: 2012 Vessel Permits, all Northeast: those with Gloucester as principal port.
   2012 Tuna Permits, all Northeast: those with Gloucester as principal port.
   2011 Vessels that landed fish in Gloucester
b. MADMF: 2012 MA Commercial Permits: those listing Gloucester as their homeport or address location).
c. MLA: Mass Lobstermen's Association members: those with a Gloucester location.
d. Sectors II, III: All permit holders in Gloucester's Sectors II and III, active and inactive.
e. Patti Page: All vessels observed in Gloucester Harbor (except for a few for which there was insufficient data to identify the owner).

Between September 24 and October 2, 2012, a survey and explanatory cover letter was sent by the Gloucester Fisheries Commission to a total of 346 commercial fishing vessel owners likely to berth their vessel in Gloucester inner harbor or who land fish in Gloucester harbor.

Survey Results

One hundred sixteen (116) surveys were completed and returned (10 were returned by the postal service as undeliverable), yielding a response rate of 34 percent.

Of the 734 vessels in the final combined list of vessels with federal and or state permits whose homeport or principal port is Gloucester or that landed fish in Gloucester in 2011, 210 commercial fishing vessels currently berth at docks/wharves in Gloucester Inner Harbor. Another 29 vessels which berth/moor in other locations in Gloucester or elsewhere land fish in Gloucester.

Summary of survey responses from vessel owners:

Do you pay for your dockage?

Yes – 84
No –18

What amenities do you have/need at the dock?

Water:

Have – 46	Unknown – 1
Need – 30	No Response – 31
Have/Need – 7	

Electricity:

		Write-in
Have 30 amp – 43	Have 30 amp, Need 30 amp – 9	Have 80 amp - 2
Have 50 amp – 27	Have 50 amp, Need 50 amp – 2	Have 100 amp – 1
Need 30 amp – 9	Have 30 amp, Need 50 amp – 3	Need 100 amp – 1
Need 50 amp – 9	Have 50 amp, Need 30 amp – 1	No Response – 19

Shoreside Access:

	Write-in
Have – 52	Have/sometimes restricted – 1
Need – 23	Need/Need a hoist in Gloucester – 1
Have/Need – 11	No Response – 27

Gear Work Area:

	Write-in
Have – 34	Have/Part time - 1
Need – 42*	Need storage area – 3
Have/Need – 5	No Response – 31

∗ cross-tab with type of vessel

What is your fishery?

Groundfish	60
Lobster	50
Scallops	7
Herring/mackerel	12
Tuna	24

Other: specify included the following responses – the # in the ( ) is the total number of responses of that type

dog fish (2)	Gillnet (1)
whiting, shrimp (4)	work/dump boat (1)
whiting, squid (2)	dogs striper (1)
whiting "silver Hake" (1)	Urchen (1)
mid-water trawl (1)	Menhaden (1)
purse-seine (1)	slime eel (1)

Gillnetter Federally Permitted (1)
Charter fishing for hire 6-pack (1)
Hagfish (1)

What is your vessel type?

Gillnet	18
Lobster	45
Longline	11
Trawl	36

Other/Specify included the following responses – the # in the ( ) is the total number of responses of that type

Charter (2)
hand gear (1)
Harpoon (2)
Multipurpose (1)
Pedagic (1)
Purse Sein (2)
rod & reel (4)
rod and reel, ground fish &charter (1)
Scallop (1)
scallop/trawl (1)
Trap (1)
tuna, rec. r&r (1)

Do you have hull and PI insurance?

Yes	86
No	19

The largest number of vessels (one-half the total) without hull and PI insurance are trawls.

Attachment C Vessels located at berths in Gloucester Harbor (February 2014).

Vessel Name	Docking Location	Gear Type	Vessel Overall Length
Harbor Cove			
Kayla Maria	Felicia Oil	Lobster	38
Razzo	Felicia Oil	Trawl	45
Sabrina Maria	Felicia Oil	Trawl	50
Miss Sandy	Felicia Oil	Trawl	55
Mary and Josephine	Felicia Oil	Trawl	67
Captain Dominic	Felicia Oil	Trawl	72
Christina Eleni	Felicia Oil	Trawl	80
Miss Trish II	Felicia Oil	Trawl	84
Providenza	Intershell The Fort	Clam	40
Pavilian	St. Peter's Marina	Charter	22
Bunny R	St. Peter's Marina	Lobster	32
Capt Tom	St. Peter's Marina	Lobster	35
Katherine D	St. Peter's Marina	Lobster	35
Net Profit	St. Peter's Marina	Lobster	35
Rosa Lee	St. Peter's Marina	Lobster	35
Tiffany Marie	St. Peter's Marina	Lobster	35
Dunlin	St. Peter's Marina	Lobster	35
Jean Elizabeth	St. Peter's Marina	Lobster	36
Scotia Girl	St. Peter's Marina	Lobster	36
Lady Lisa S	St. Peter's Marina	Lobster	37
Stanley Thomas	St. Peter's Marina	Lobster	37
Seaway	St. Peter's Marina	Striper	19
Lily	St. Peters's Marina	Tuna	35
Cat Eyes	Fisherman's Wharf	Trawl	45
Jenny G	Fisherman's Wharf	Trawl	71.3
Alison Page	Gloucester House	Lobster	32
Wejack	Gloucester House	Tuna	50
Sea Ox	Harbor Cove Marina	Bass	20
Miss Kelly	Harbor Cove Marina	Lobster	35
Kathryn W	Harbor Cove Marina	Lobster	42
Ramblin Rose	Harbor Cove Marina	Lobster	44
Erica Ann	Harbor Cove Marina/I4-C2	Lobster	27
Mar-Stina	Harbor Cove Marina/I4-C2	Lobster	35
Josephine & Samantha	Harbor Cove Marina/I4-C2	Lobster	36
Miss Carla	Harbor Cove Marina/I4-C2	Lobster	41
Rizla II	Harbor Cove Marina/I4-C2	Lobster	41

My Girls II	Harbor Cove Marina/I4-C2	Lobster	42
Osprey	11 Harbor Loop	MW trawl	112
Western Venture	11 Harbor Loop	MW trawl	165
Western Wave	11 Harbor Loop	Seine	68
North Channel			
Toots	Maritime Gloucester	Gillnet	31
Irma C II	Maritime Gloucester	Gillnet	40
Western Edge	Maritime Gloucester	Lobster	32
Tight Lines	Intershell	Lobster	40
Still Kickin'	Intershell	Lobster	50
Miss Molly	Intershell	Tuna	26
Fair Wind	Cape Ann Seafood Exchange	Gillnet	30
Fair Wind	Cape Ann Seafood Exchange	Gillnet	30
	Cape Ann Seafood Exchange	Gillnet	30
Native Son	Cape Ann Seafood Exchange	Gillnet	34
Mary B.	Cape Ann Seafood Exchange	Gillnet	36
Ryan Zachary	Cape Ann Seafood Exchange	Gillnet	39
Karoline Marie	Cape Ann Seafood Exchange	Gillnet	44
Lori B	Cape Ann Seafood Exchange	Gillnet	44
Foxy Lady	Cape Ann Seafood Exchange	Gillnet	45
Mystic	Cape Ann Seafood Exchange	Gillnet	45
Fair Wind III	Cape Ann Seafood Exchange	Gillnet	46
Heidi & Heather	Cape Ann Seafood Exchange	Gillnet	47
Holly & Abby	Cape Ann Seafood Exchange	Gillnet	48
Julie Ann	Cape Ann Seafood Exchange	Gillnet	
MS 8989 AS	Cape Ann Seafood Exchange	Gillnet	
Native Sun II	Cape Ann Seafood Exchange	Gillnet	
Stephanie Lynn	Cape Ann Seafood Exchange	Gillnet	
Harvest Moon	Cape Ann Seafood Exchange	Trawl	42
	Cape Ann Seafood Exchange	Trawl	45
Horizon	Cape Ann Seafood Exchange	Trawl	60
Mattanza	Cape Ann Seafood Exchange		30
Tenacious	Cape Ann Seafood Exchange		40
Mary Elizabeth	Cape Ann Seafood Exchange		50
Iliana & John	Gloucester Marine Terminal/Cruiseport	Trawl	60
Seafarmer II	Gloucester Marine Terminal/Cruiseport	Trawl	76
Angela Michelle	Rose's Marine	Gillnet	55
Joanne M	Rose's Marine (winter)	Lobster	35
Moonraker	Rose's Marine	Scallop	45
Kingfisher	Rose's Marine	Seine	96
Mystique Lady	Rose's Marine	Trawl	43

Angela and Rose	Rose's Marine	Trawl	51
Blue Water III	Rose's Marine	Trawl	56
Paulo Marc	Rose's Marine	Trawl	62.5
Jolly Rodger	New England Marine Resources	Gillnet	44
Wing Ding III	New England Marine Resources	Lobster	45
Midnight Sunn (Miss Trish II	New England Marine Resource	Trawl	87
Donna Marie	New England Marine Resources	Trawl	42
Aaron & Alexa	Steve Connolly Seafoods	Gillnet	45
Carol Ann	Steve Connolly Seafoods	Lobster	38
Sarah Day	Steve Connolly Seafoods	Lobster	41
Alexis Margaret	Steve Connolly Seafoods	Lobster	42
Labor In Vain	Steve Connolly Seafoods	Lobster	42
State Fish Pier			
Destiny	7 Parker Street	Charter	34
Snow Flower	7 Parker Street	Lobster	34
Destiny	7 Parker Street	Lobster	40
Anne Rowe	7 Parker Street	Lobster	45
Amanda Marie	7 Parker Street	Tuna	35
Kathryn Leigh	Jodrey State Fish Pier	Gillnet	31
Double Trouble	Jodrey State Fish Pier	Gillnet	36
Sasquatch III	Jodrey State Fish Pier	Gillnet	40
Foxy Lady	Jodrey State Fish Pier	Gillnet	42
Miss Magnolia	Jodrey State Fish Pier	Herring	
Touch of Gray	Jodrey State Fish Pier	Lobster	20
Tracy Ann	Jodrey State Fish Pier	Lobster	20
Tir Na Nog	Jodrey State Fish Pier	Lobster	21
Driftwood	Jodrey State Fish Pier	Lobster	23
Jeannie B	Jodrey State Fish Pier	Lobster	26
Lady Margaret	Jodrey State Fish Pier	Lobster	29
Miss Meredith	Jodrey State Fish Pier	Lobster	31
Lady Marie	Jodrey State Fish Pier	Lobster	32
Michael D	Jodrey State Fish Pier	Lobster	32
Muddy Bottom	Jodrey State Fish Pier	Lobster	32
Tragabigzanda	Jodrey State Fish Pier	Lobster	32
Amber and John	Jodrey State Fish Pier	Lobster	35
Dog and I	Jodrey State Fish Pier	Lobster	35
Griffin	Jodrey State Fish Pier	Lobster	35
Lady Lexi	Jodrey State Fish Pier	Lobster	35
Restless	Jodrey State Fish Pier	Lobster	35
Tully IV	Jodrey State Fish Pier	Lobster	35
American Gold II	Jodrey State Fish Pier	Lobster	40

Claudia Marie	Jodrey State Fish Pier	Lobster	40
Web II	Jodrey State Fish Pier	Lobster	41
Dominatrix	Jodrey State Fish Pier	Lobster	42
Janet Leigh	Jodrey State Fish Pier	Lobster	42
Jeanne	Jodrey State Fish Pier	Lobster	42
Lady J	Jodrey State Fish Pier	Lobster	42
William W	Jodrey State Fish Pier	Lobster	42
Jennie C (Jennifer & Mary)	Jodrey State Fish Pier	Lobster	42
Catherine M	Jodrey State Fish Pier	Lobster	44
Miss Courtney	Jodrey State Fish Pier	Lobster	45
Venture	Jodrey State Fish Pier	Lobster	45
Black Pearl	Jodrey State Fish Pier	Lobster	46
Marilyn Louise	Jodrey State Fish Pier	Lobster	46
Cabaret V	Jodrey State Fish Pier	Lobster	50
Michael And Kristen	Jodrey State Fish Pier	Lobster	77
Challenger	Jodrey State Fish Pier	MW trawl	140
Endeavour	Jodrey State Fish Pier	MW trawl	140
Grace Marie II	Jodrey State Fish Pier	Trawl	21
Orion	Jodrey State Fish Pier	Trawl	38
Tina & Tom	Jodrey State Fish Pier	Trawl	39
Special K	Jodrey State Fish Pier	Trawl	46
American Heritage	Jodrey State Fish Pier	Trawl	61
Jamie & Ashley	Jodrey State Fish Pier	Trawl	65
Grace Marie	Jodrey State Fish Pier	Trawl	65.3
Theresa & Allyson	Jodrey State Fish Pier	Trawl	71
Lady Jane	Jodrey State Fish Pier	Trawl	72
Capt Joe	Jodrey State Fish Pier	Trawl	81.6
Orion	Jodrey State Fish Pier	Trawl	81.6
Lucy	Jodrey State Fish Pier	Trawl	
Toby Ann	Jodrey State Fish Pier	Tuna	36
Sandy B	Jodrey State Fish Pier	Tuna	37
	Jodrey State Fish Pier		72
East Gloucester			
Little Mako	Captain Joe and Sons	Gillnet	43
Pretty Girl	Captain Joe and Sons	Gillnet	46
Kenneth J Duncan	Captain Joe and Sons	Gillnet	48
Manford L Porter	Captain Joe and Sons	Gillnet	48
Cameron D	Captain Joe and Sons	Lobster	32
Allison Carol	Captain Joe and Sons	Lobster	35
Susan Kimberly	Captain Joe and Sons	Lobster	40
Arethusa	Captain Joe and Sons	Lobster	42

Degelyse	Captain Joe and Sons	Lobster	42
Trapper John	Captain Joe and Sons	Lobster	42
Holy Mackeral	Captain Joe and Sons	Lobster	50
Gone Fishing	Captain Joe and Sons	Lobster	
Orin C	Captain Joe and Sons		
Helen S III	East Gloucester Marine	Gillnet	33
No Excuses	East Gloucester Marine	Lobster	44.8
Jessica Marie	East Gloucester marine	Striper	26
CWW	East Gloucester Marine	Striper	
Blue Ocean	East Gloucester Marine	Trawl	54
Drama	East Gloucester Marine	Tuna	31
Finest Kind	East Gloucester Marine	Tuna	38
Blue by You	East Gloucester Marine	Tuna	
Phoenix Hope	East Gloucester Marine		28
Underwing	East Gloucester Marine		45
Smith Cove			
David & Jenna II	Beacon Marine	Gillnet	35
David & Jenna	Beacon Marine	Gillnet	40
Chandelle	Beacon Marine	Gillnet	42
SS Melon III	Beacon Marine	Gillnet	44
Jilly Mac	Beacon Marine	Handline	
Freemantle Doctor	Beacon Marine	Lobster	42
Barbara Joseph	Beacon Marine (winter)	Lobster	40
Lorio	Beacon Marine (winter)	Lobster	44
Dog Star	Beacon Marine	Striper	22
Freebird	Beacon Marine	Tuna	28
Lucky Strike	Beacon Marine	Tuna	32
Miss Fern	Beacon Marine	Tuna	34
Coot	Beacon Marine	Tuna	34
Osprey	Beacon Marine	Tuna	35
Dream Catcher	Beacon Marine	Tuna	35
Seabreeze	Beacon Marine		
Giddy Up & Go	A&M wharf	Tuna	
Amanda & Andy II	Santapaolo Wharf	Gillnet	37
Shearwater	Santapaolo Wharf	Gillnet	38
Satellite	Santapaolo Wharf	Lobster	35
Amanda & Andy	Santapaolo Wharf	Lobster	42
Triple Trouble	Santapaolo Wharf	Lobster	
Kristina &Marrissa	Santapaolo Wharf	Striper	22
Sharkbait II	Santapaolo Wharf	Striper	38
Amanda Leigh	Santapaolo Wharf	Trawl	42

Amanda & Andy III	Santapaolo Wharf	Trawl	43
Rocky Neck			
Old Glory	Gloucester Marine Railways	Lobster	24
Blivy Fish	Gloucester Marine Railways	Lobster	35
Bantry Bay	Gloucester Marine Railways	Trawl	35
Capt Joe	Gloucester Marine Railways	Trawl	35
Maria G S	Gloucester Marine Railways	Trawl	38
Francesca & Carlo	Gloucester Marine Railways	Trawl	42
Julie Ann II	Gloucester Marine Railways	Trawl	43
Capt Novello	Gloucester Marine Railways	Trawl	55
Lisa Ann II	Gloucester Marine Railways	Trawl	56.8
Explorer II	Gloucester Marine Railways	Trawl	58
Caterina G	Gloucester Marine Railways	Trawl	67
Janaya & Joseph	Gloucester Marine Railways	Trawl	74
Hard Merchandise	Gloucester Marine Railways	Tuna	36