



Mooring, Skiff Regulations & Specifications

Fee Structure: for Moorings, 10A permits and Launch ramp fees, Skiff permits, Boom fees, Transient dockage.

Mooring fee:

\$6.00 per foot (vessel length overall)

Skiff Permits:

\$35.00 under 12 feet (vessel length overall)

\$75.00 over 12 feet (vessel length overall)

10A Permits:

\$500.00 (marina)

\$300.00 (lobster car)

\$150.00 (dock for vessel) in addition to mooring fee @ \$6.00 per foot. (LOA)

\$100.00 (swim platform)

Launching Ramps:

The Town of Marshfield operates 2 boat ramps (Green Harbor & Ridge Road boat ramp).

Launching fee:

Daily Launch in State: \$7.00 per day (Massachusetts resident)

Daily Launch out of State: \$21.00 per day

Annual Launch Stickers:

In State: \$75.00 unlimited use

Out of State: \$225.00 unlimited use

Commercial Boat Haulers:

In State: \$75.00 unlimited use

Out of State: \$225.00 unlimited use

Commercial Boom fees: North pier

\$100.00 yearly

\$20.00 daily use

Transient Dockage: \$2.00 per foot, per night

Town of Marshfield Skiff Regulations

Skiff Regulations:

- (A.) Skiff permits will be issued to Marshfield mooring holders in good standing (paid mooring fees, mooring inspection, excise taxes shall be current).
- (B.) Skiff floats are designated and specified by the harbormaster.
- (C.) Skiff permits are issued annually for a fee of \$35.00 which are available at the harbormasters office.
- (D.) Skiffs over 12 feet in length will incur an additional fee of \$40.00 dollars per year. (Commencing in the 2010 billing cycle).
- (E.) Skiff permits may be issued to non-Marshfield mooring holders at the discretion of the harbormaster.
- (F.) Annual skiff permit stickers shall be affixed to the inside portion of the transom, upper right hand corner. Skiff owners are responsible to report lost or removed skiff permits to the Harbormaster.
- (G.) Skiff owners are responsible for the seaworthiness of their skiffs while they are tied to a Town float or dock.
- (H.) Skiffs found to be unseaworthy may be removed by the harbormaster department after certified mail return receipt requested, except in an emergency situation.
- (I.) Skiff pennants shall be a minimum of 15 feet, with a maximum of 17 feet.
- (J.) Skiffs may be locked or tethered to designated skiff floats for protection of property & theft.
- (K.) Skiffs that are not in use for over 30 days may be removed by the harbormaster department to alleviate congestion of skiff floats. Skiffs will only be removed after certified mail return receipt requested, except in an emergency situation.
- (L.) Skiffs that are equipped with a motor must be registered in accordance with state regulations; skiffs with engines that are not registered will not be issued a skiff permit.
- (M.) Skiffs shall not exceed 12 feet in length.
- (N.) Skiffs currently registered with the Harbormaster department over 12 feet will be grandfathered prior to 1 July 2008
- (O.) Skiff owners that request a larger skiff shall file a written request to the harbormaster department.
- (P.) Skiffs shall not hinder/interfere with commercial & public access dock space.
- (Q.) The Harbormaster shall establish a lottery system for skiffs over 12 feet in length. Once a skiff that was over 12 feet is retired, removed from use, or not permitted, a lottery system will be used for registered skiff holders in good standing to acquire a larger skiff.
- (R.) The larger skiff lottery shall replace a skiff from its habitually moored location i.e. Green Harbor, Damon's Point and the South River skiff docks.
- (S.) Skiff lottery recipients shall have 30 calendar days to purchase and permit the skiff with the Harbormaster department.

Mooring Regulations & Specifications:

All moorings in the Town of Marshfield's jurisdiction are subject to approval by the harbormaster, and the fee structure is approved by the Board of Selectmen as outlined in Town By-laws. Mooring fees are based on vessel length overall (LOA).

(A) All mooring tackle herein is the **minimum** required; modification of requirements (block type/size configurations) shall be at the discretion of the harbormaster. Mooring holders considering modifications shall consult the harbormaster in writing prior to any modifications. Any modification from the requirements set forth in these mooring regulations may be requested by submission in writing to the harbormaster. If the harbormaster approves of the modification, approval will be granted in writing.

(B) Mooring systems and associated block and tackle shall be approved by the harbormaster based on vessel size, draft, superstructure, mooring location, depth of water at Mean Low Water (MLW), and potential hazards to navigation as outlined in Article 32 of the Town By-Laws.

(C) Mooring gear shall be placed upon Marshfield waterways in accordance to the mooring regulations and Town-By laws. Moorings may be reassigned by the Harbormaster for non-payment, unauthorized loaning, renting, leasing of moorings, and non use of mooring.

(D) New mooring blocks that are going to be set in areas that are susceptible to shoaling or shallow water at Mean Low Water (MLW) shall have recessed eyebolts to avoid a potential hazard to navigation.

(E) Concrete and granite mooring blocks are the more prevalent style of blocks used for moorings in Marshfield waterways. Concrete and granite blocks shall be low profile in nature not to exceed a height of 18 inches. Blocks that are indented shall be large enough to accept the eyebolt & shackle. Dor-Mor, helical and hazlett moorings may be permitted at the discretion of the harbormaster based on feasibility, safety, location, depth of water, navigability and environmental impact of the area. Concrete and granite mooring blocks shall be square or round in nature with no sharp or protrusive edges. Mushroom anchors are not authorized in Marshfield waters.

(F) Concrete mooring blocks shall be reinforced with a minimum of 3/8 thru 3/4 inch re-bar in a crossed pattern. Concrete mooring blocks may also be poured with fiber mesh properties in lieu of re-bar. Concrete blocks shall be poured with high aggregate properties at a minimum of 144 pounds per cubic foot. Mooring chain shall be identifiable to the owner by affixing a brass tag.

Mooring Types:

There are 3 types of mooring configurations allowed for use in Marshfield waters:

Single mooring: a one block system with associated chain, swivel, mooring ball, pendant (commonly called pennant) & pick up buoy.

Fore & Aft mooring: a two block system similar to the single mooring system typically used to reduce the vessel from encroaching into a navigable channel, river way, or shallow water.

2 Block/Delta system: two mooring blocks that are placed equilaterally from each other at a distance of 17 feet apart on the harbor floor. This system is designed for a vessel to moor on a slightly tighter radius.

*For Specifications on mooring block/tackle requirements for permits issued under chapter 91 section 10A (docks, floats, lobster cars) consult harbormaster.

Single/Free Swing Mooring Specifications: (maximum chain length 24 feet)

Vessel length	Concrete	Granite	Pyramid (Dormor)	Chain size	Shackles/Swivels/Sling links	Pennant size	Eye bolt
up' to 20'	2000lbs.	1600lbs.	Consult Harbormaster	1/2"	1/2" min.	1/2" nylon	1 1/4"
21' to 26'	2000lbs.	1600lbs.	Consult Harbormaster	1/2"	1/2" min.	5/8" nylon	1 1/4"
27' to 32'	2500lbs.	2000lbs.	Consult Harbormaster	5/8"	5/8" min.	3/4" nylon	1 1/4"
33' to 39'	3000Lbs.	2400lbs.	Consult Harbormaster	3/4"	3/4" min.	1" nylon	1 1/4"
40' to 46'	3500lbs.	2800lbs.	Consult Harbormaster	3/4"	3/4" min.	1" nylon	1 1/4"
47' and up	4000 lbs.	3200lbs.	Consult Harbormaster	1"	1" min.	1 1/4" nylon	1 1/4"

* Hardware connection points are increased to the next size.

Example: 1/2 inch chain would accompany a 5/8 inch shackle, swivel, or sling link.

Fore & Aft mooring specifications: (maximum chain length 24 feet)

Vessel length	Concrete	Granite	Pyramid (Dormor)	Chain size	Shackles/Swivels/Sling links	Pennant size	Eye bolt
up to 20'	2000lbs.	1600lbs.	Consult Harbormaster	1/2"	1/2"	1/2" nylon	1 1/4"
21' to 26'	2000lbs.	1600lbs.	Consult Harbormaster	1/2"	1/2"	5/8" nylon	1 1/4"
27' to 32'	2500lbs.	2000lbs.	Consult Harbormaster	5/8"	5/8"	3/4" nylon	1 1/4"
33' to 39'	3000Lbs.	2400lbs.	Consult Harbormaster	3/4"	3/4"	1" nylon	1 1/4"
40' to 46'	3500lbs.	2800lbs.	Consult Harbormaster	3/4"	3/4"	1" nylon	1 1/4"
47' and up	4000lbs.	3200lbs.	Consult Harbormaster	1"	1"	1 1/4" nylon	1 1/4"

* Hardware connection points are increased to the next size.

Example: 1/2 inch chain would accompany a 5/8 inch shackle, swivel, or sling link.

**Delta Mooring System:
(2 Block System)**

Vessel length	Concrete	Granite	Pyramid (Dormor)	Chain size	Shackles/Swivels/Sling links	Pennant size	Eye bolt
up to 20'	2000lbs.	1600lbs.	Consult Harbormaster	1/2"	1/2"	1/2" nylon	1 1/4"
21' to 26'	2000lbs.	1600lbs.	Consult Harbormaster	1/2"	1/2"	5/8" nylon	1 1/4"
27' to 32'	2500lbs.	2000lbs.	Consult Harbormaster	5/8"	5/8"	3/4" nylon	1 1/4"
33' to 39'	3000Lbs.	2400lbs.	Consult Harbormaster	3/4"	3/4"	1" nylon	1 1/4"
40' to 46'	3500lbs.	2800lbs.	Consult Harbormaster	3/4"	3/4"	1" nylon	1 1/4"
47' and up	4000lbs.	3200lbs.	Consult Harbormaster	1"	1"	1 1/4" nylon	1 1/4"

* Hardware connection points are increased to the next size.

Example: 1/2 inch chain would accompany a 5/8 inch shackle, swivel, or sling link.

*Specifications for the “Delta System” are as follows:

- Mooring blocks shall be set at a distance of 17 feet apart.
- Mooring blocks shall be set at an East to West axis 090 degrees East & 270 degrees West (magnetic).
- Prescribed mooring chains shall be a maximum of 13 feet in length and be shackled into a sling link (Pear Link) or prescribed shackle.
- The riser chain shall be a maximum of 14 feet in length.
- The riser chain shall be attached to a swivel for the prescribed vessel length.
- This system has been formulated for a tidal range of 18 feet.

* As with single swing and Fore & Aft moorings, the block sizes for the “Delta System” are for each block, **not a combined weight**.

(G) Mooring chain may be long link or short link. All associated eye bolts, swivels, shackles, thimbles and sling links shall be “Made in the USA” and be hot dipped galvanized. All shackle pins shall be moused by either coated wire method or tie wrap/zip tie. Stainless steel wire shall not be combined with galvanized parts.

(H) Mooring balls shall be made of hard plastic, filled with high density foam and have an inside tube large enough to accept the prescribed mooring chain for the associated vessel. No reduction of chain size is authorized through the mooring ball. Mooring balls shall be properly marked with a 2 inch blue colored stripe around the circumference of the mooring ball and be a minimum of 18 inches in diameter. A Norwegian type float/buoy that is white in color may be substituted for the traditional Taylor made mooring ball, provided it has enough buoyancy to keep the ball from submerging. The Norwegian float/buoy shall have the same markings of the traditional mooring ball.

(I)The mooring ball shall be marked with the vessel length, owners last name and mooring number. Identifications shall be legible and contrasting. Fore & Aft mooring shall be indentified with an (F) fore mooring & an (A) for the aft mooring ball. All markings shall be at least 2 inches in height and contrast to the mooring ball.

(J) Mooring holders may elect to attach the mooring ball to the top shackle of the mooring gear, versus the mooring chain running through the center of the mooring ball. Mooring holders electing this option shall use a short chain shackled nearest the top of the mooring gear.

(K) Pennant size shall be measured at 1 1/2 the length from the forward most bow cleat to the water line. Pennants shall be made of nylon in nature, either 3 strand nylon or double braided nylon (DBN), a bridle pennant may also be used (typically used on sailing vessels). A storm pennant of a slightly increased size (typically 18 inches) may be at all times or during periods of heavy weather, or storms. Winter pennants are those that are normally used when associated mooring fields are vacant and less congested. Winter pennants may be used with the permission of the harbormaster. A pick up buoy shall be attached to all pennants. Winter pennants or unnecessarily long pendants are not permitted during the peak season; winter pennants are authorized from Nov. 1st to May 1st provided longer pennant does not cause incursions into a navigable channel, fairway, dock, river way or vessel.

(L) Three strand nylon eye splices shall have a minimum of five tucks, be spliced to 1 1/2 times the largest bit or cleat on the vessel and be affixed to the appropriate sized galvanized thimble. Double braided nylon (DBN) splices shall be whipped through the core and affixed to the appropriate sized galvanized shackle & thimble.

(M) Chaffing gear shall be used at all times. Typically chaffing gear is made from leather, rubber, nylon or kevlar.

(N) Annual mooring stickers shall be affixed to the registered vessel for the prescribed mooring. Mooring permit stickers shall be affixed to the stern (upper right hand corner).

(O) All of Marshfield moorings must be inspected every 3 years by a certified mooring company on file with the harbormaster. The 3-year cycle of inspections is based on the location of the mooring. Inspection schedules are set by and are subject to change at the discretion of the harbormaster.

(P) Mooring chains, shackles, sling links, swivels, thimbles shall be replaced when the wear factor has reached a percentage of 20 percent from its original size. Eye bolts shall be replaced when the eye bolt has a wear factor of 25 percent. All other associated gear (mooring ball, pick up buoy) shall be replaced when it is no longer serviceable. Mooring pennants shall be replaced when there are signs of wear & tear and or chaffing.

Block sizes:

*Concrete block weights are based on a density of 144 lbs. per cubic foot. Granite weights based on a density of 168 lbs. per cubic foot (Dry weight).

Square Concrete Blocks:

3' X 3' X 12" = 1296 lbs.
4' X 4' X 12" = 2304 lbs.
5' X 5' X 12" = 3600 lbs.

3' X 3' X 14" = 1512 lbs.
4' X 4' X 14" = 2688 lbs.
5' X 5' X 14" = 4200 lbs.

3' X 3' X 16" = 1728 lbs.
4' X 4' X 16" = 3064 lbs.
5' X 5' X 16" = 4788 lbs.

3' X 3' X 18" = 1944 lbs.
4' X 4' X 18" = 3456 lbs.
5' X 5' X 18" = 5400 lbs.

Granite Blocks:

1512 lbs.
2688 lbs.
4200 lbs.

1764 lbs.
3136 lbs.
4900 lbs.

2011 lbs.
3575 lbs.
5586 lbs.

2268 lbs.
4032 lbs.
6300 lbs.

Round Concrete Blocks:

3' X 12" = 1018 lbs.
4' X 12" = 1810 lbs.
5' X 12" = 2827 lbs.

3' X 14" = 1198 lbs.
4' X 14" = 2111 lbs.
5' X 14" = 3299 lbs.

3' X 16" = 1322 lbs.
4' X 16" = 2351 lbs.
5' X 16" = 3674 lbs.

3' X 18" = 1526 lbs.
4' X 18" = 2713 lbs.
5' X 18" = 4239 lbs.

Granite Blocks:

1188 lbs.
2111 lbs.
3299 lbs.

1395 lbs.
2463 lbs.
848 lbs.

1543 lbs.
2743 lbs.
4286 lbs.

1780 lbs.
3165 lbs.
4945 lbs.

