

**Deep River Harbor Master  
174 Main Street  
Deep River, CT  
203-676-5909**

**MINIMUM STANDARDS FOR SINGLE POINT MOORINGS**  
(See Figure 1)

1. Mooring tackle should meet the following minimum standards:

Boat Length (Feet)	Mushroom Anchor (Pounds) <sup>1</sup>	Bottom Chain (Inches)	Top <u>or</u> Chain (Inches)	Nylon Pennant (Inches)	Nylon Bridal (Inches)
Under 16	75	3/8	3/8	3/4	1/2
16-19	150	3/8	3/8	3/4	1/2
20-22	200	1/2	1/2	3/4	1/2
23-25	250	1/2	1/2	7/8	1/2
26-30	300	5/8	1/2	1	5/8
31-35	400	5/8	1/2	1	5/8
36-40	500	3/4	5/8-3/4	1 1/4-1 1/2	3/4
41-50	600	3/4	5/8-3/4	1 1/4-1 1/2	3/4
51-65	750	1	5/8-3/4	1 1/2	7/8

2. The maximum length of the bridle should be two and one-half times the distance from the bow chock to the water plus the distance from the bow chock to the mooring cleat or post.
3. All bridle lines running through a chock or any other object where chafing may occur should have adequate chafe guards.
4. The total scope of the chain should be two and one-half times the depth of the water at high tide. The bottom and top chain should each consist of approximately 50 percent of the scope.
5. All shackles, swivels and other hardware used in the mooring hookup should be proportional in size to the chain used.
6. It is recommended that two bridles be used or shackled into the bitter end of the nylon pennant or top chain below the buoy so the strain is not carried by the buoy. A second pennant and anchor should be used in heavy weather.
7. Only mushroom anchors should be used for permanent moorings.
8. The pick-up buoy shall be of a type and size to be determined by the Harbormaster  
The pick-up buoy shall be lettered with Name of Permit Owner and Weight of Anchor.
9. Sacrificial metals are recommended for attachment to both ends of chain.
10. Mooring float buoys must have sufficient size and volume to support the normally attached chain and pennants and to float so that at least 50% of the buoy is above the water at high tide. Buoys shall be clearly visible and kept clean.

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LEGEND:

1. MUSHROOM ANCHOR
2. SHACKLES (Galvanized screw pin type, wire seized\*)
3. THIMBLE (Galvanized plow steel)
4. PENNANT (3-strand nylon or chain; length equals water depth at mean high water)
5. FLOAT BUOY (Tied or seized tightly to pennant or chain; identification number attached)
6. PICK-UP BUOY (Identification number attached)
7. LANYARD WITH SNAP CLIP
8. CHAFE STRAPS (2" cordura nylon sleeve tied to bridle at point of bow chock)
9. BRIDLES (3-strand nylon, eye-spliced at both ends; length equals  $\frac{3}{4}$  water depth at mean high water)
10. CHAIN (Proof coil galvanized; length equals 2 x water depth at mean high water)
11. ZINC (sacrificial metal; attached to second link from the shackles at both ends of chain)

\* recommended seizing wire  $\frac{1}{4}$ " 1x7 annealed ss strand

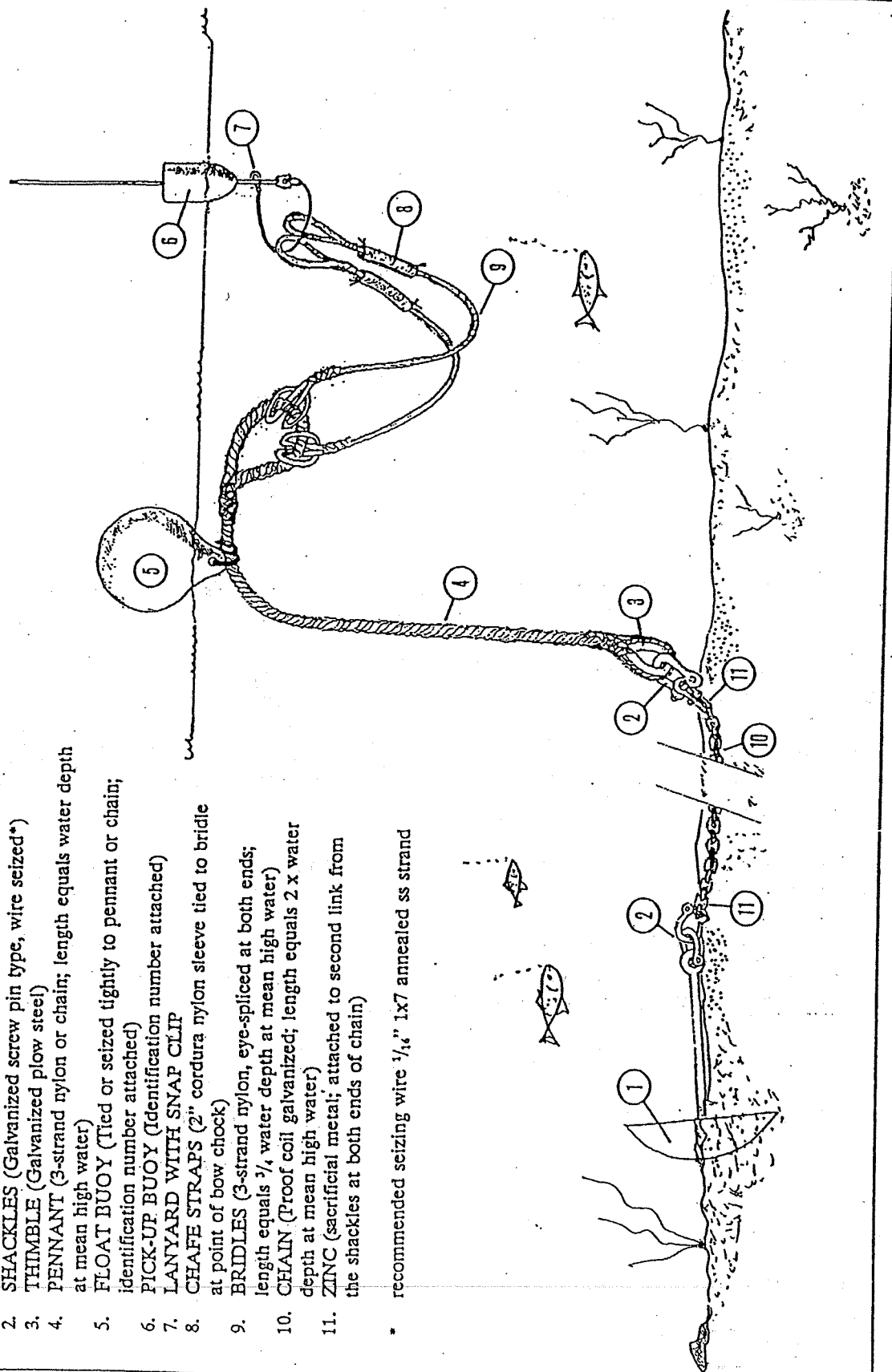


FIGURE 1: Mooring Tackle Components for Single Point Moorings (Not to Scale)