

Alaskan Mariculture Diversification, Innovation and Technology Transfer Project: Alternate Species and Gear

Each participating oyster farm will receive *all* of the following, at *no cost*:

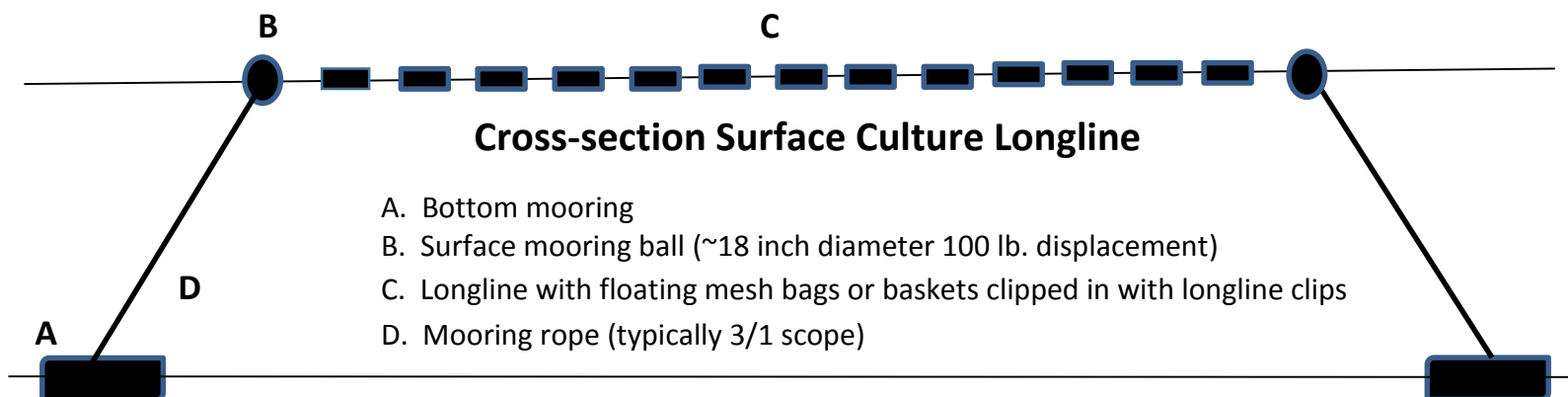
Maine Style Container	Zapco Bag with Floats	Seapa Container
		
<p>Vexar container with closure 9mm mesh; 29 x 15.5" x 5" deep box Foam floats (or round or square plastic) Hog rings & clips & zip ties <i>44 per oyster farm</i></p>	<p>Vexar bag with closure 10mm mesh; 30 x 18" x 3" deep pouch Foam floats 10mm poly aqualine & assembly <i>44 per oyster farm</i></p>	<p>34L tube with end cap & door 12mm mesh; 33.5" x 10" No floats provided 20mm flexi clip, 11mm clamps & pins <i>22 per oyster farm</i></p>

Shipping: All gear is initially being shipped from Seattle to Ketchikan on Alaska Marine Lines. SE farm gear will be pulled in Ketchikan, and the remainder will be shipped to Anchorage. Farms will need to coordinate pick-up of gear from these locations. Alaska Marine Lines shipping is covered by this grant, but shipping to individual farms is *not* covered.

Temperature Monitoring: Farms that are interested in receiving temperature loggers should notify Bobbi, bobbi@pacshell.org. Temperature loggers can be placed inside the oyster gear to improve tracking of local conditions on individual farms. The loggers will be provided to farms at no cost, but will need to be returned to Bobbi to download data. (Data connections are expensive, but the loggers themselves are relatively low cost.) Because of their small size, the temperature loggers will simply be directly mailed to farms, and later returned to Bobbi via USPS (in padded envelopes, with pre-paid postage provided.)



Set-Up: Informational support for gear assembly and deployment will be provided by the project team (Carter Newell and Bobbi Hudson). Assembly instructions, including a video for the Maine Style Container, will be provided. Farms will assemble gear and place on anchored lines, as described in individual ADF&G Aquatic Farm Operation permits. Example set-up:



Data Collection: To assess the performance of oysters grown in the three types of gear, data will need to be collected by all recipient farms. Standard length for 30 individual oysters, and weight of grouped oysters (groups of 10) will need to be measured *monthly* during spring, summer and fall. Additional measurements and photo documentation is also encouraged. For comparison, measurement of oysters in existing farm gear (e.g. trays) is also encouraged. Exact timing will be up to individual farms, but data must be recorded on the provided sheets (see “*Data Collection Sheet – Oyster Growth*”) and returned to Bobbi via email or snail mail. Oysters should be measured upon placement in the gear, and at least six times each year, for two years.

Agreement to Participate: Prior to receiving the free oyster gear, each participating farm must provide a signed agreement (see “*Agreement to Participate – Alternative Oyster Gear*”). Finally, participating farms are asked to estimate the time and effort expended through of the trial period. This information will be used to document the cost share, i.e. “matching funds” provided by individual farmers to support the success of the project. A simple signed letter from each farm will be requested near the end of each year, with an example provided.

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