## Farmer Grant (FNE 21-989) Managing and monitoring bottom cage placement in deep water oyster culture

To improve deep water oyster culture, we focus on ensuring cages land correctly and on managing the cage distribution through "seeing" cages on the bottom.



January 2022

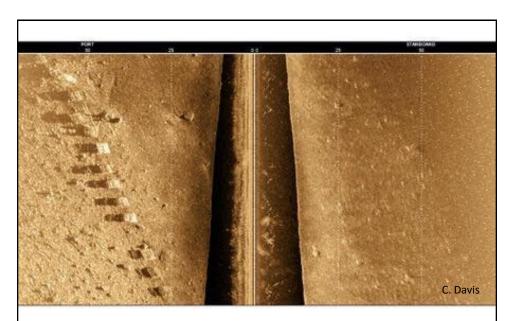
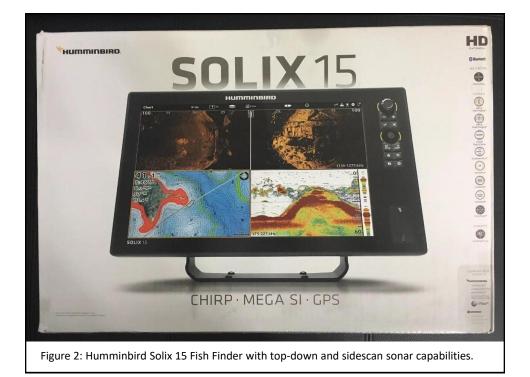


Figure 1: Sidescan sonar image of an series of oyster bottom cages in the Damariscotta River (ME). Image produced by a Starfish Sidescan Sonar (image provided by Chris Davis – Pemaquid Oyster Farm).

















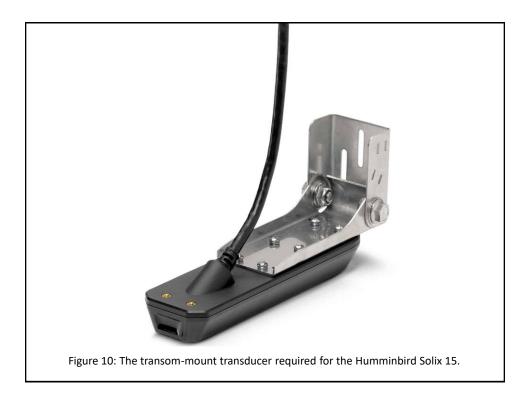










Figure 14: The fiberglass reinforced electric trolling motor mount with transducer mounted pole clamped to the gunnel of the work skiff.





Figure 16: Example of the image resolution of the Humminbird Solix 15 Fish Finder in sidescan mode observing small fish aggregating devices in 15.4 feet of water depth (Image from a Humminbird brochure.)



