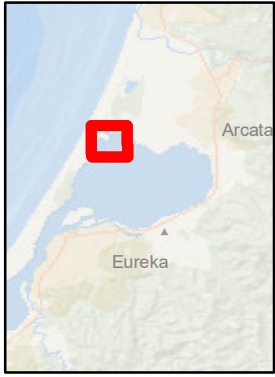


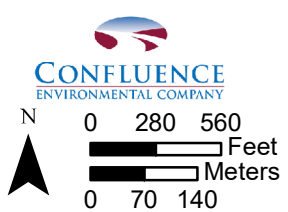


Figure 1. HIOC Project Location





Project Vicinity



- Corners
  - MHHW and HAT
  - MLLW
  - Eelgrass (*Z. marina*) (2020)
  - Aquaculture Growing Area Lease
  - Sub-lease Area
  - Proposed Longline (27 Acres)
  - Rack and Bag (3 Acres)
- Note: Corner locations are WGS 1984 decimal degrees





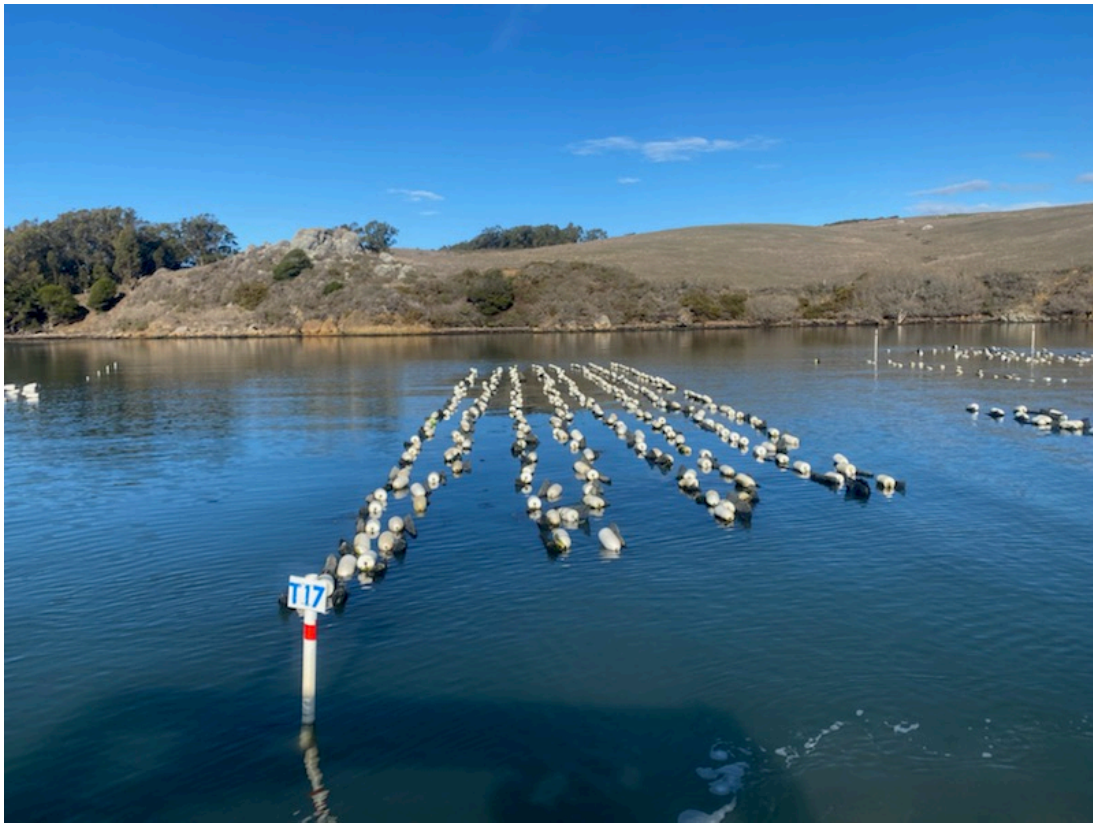
Figure 10. Proposed Transit Route for HIOC Project





**Figure 4. Intertidal Longline Systems with SEAPA-style Baskets at Low Tide**

Note: photo taken at the HIOC Tomales Bay operation.



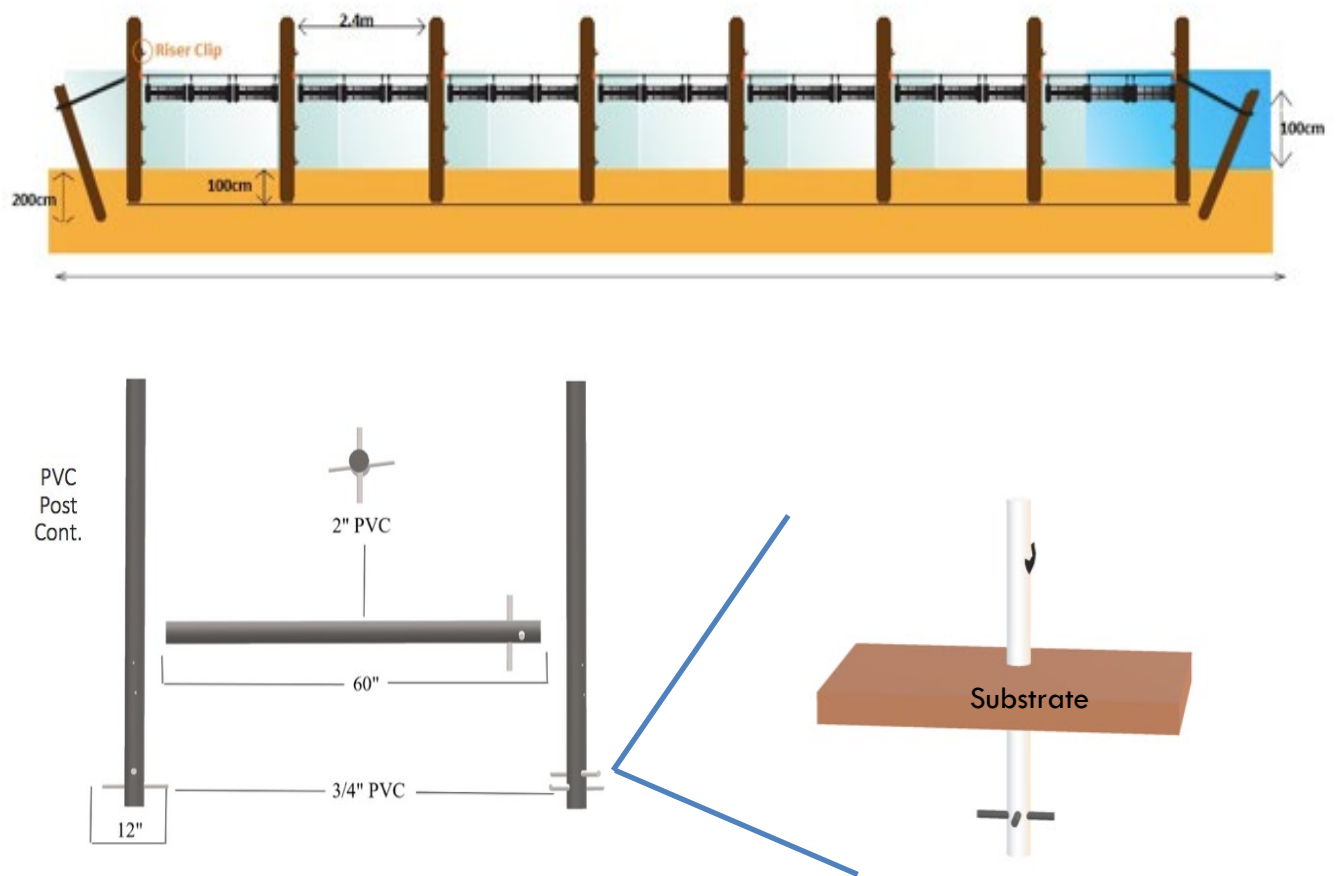
**Figure 5. Tipping Bags with Floats at High Tide**

Note: photo has floats when the tide is high for flipping action; taken at the HIOC Tomales Bay operation.

**Table 2. Proposed Gear Quantities for Intertidal Longline System Lengths and Areal Groupings**

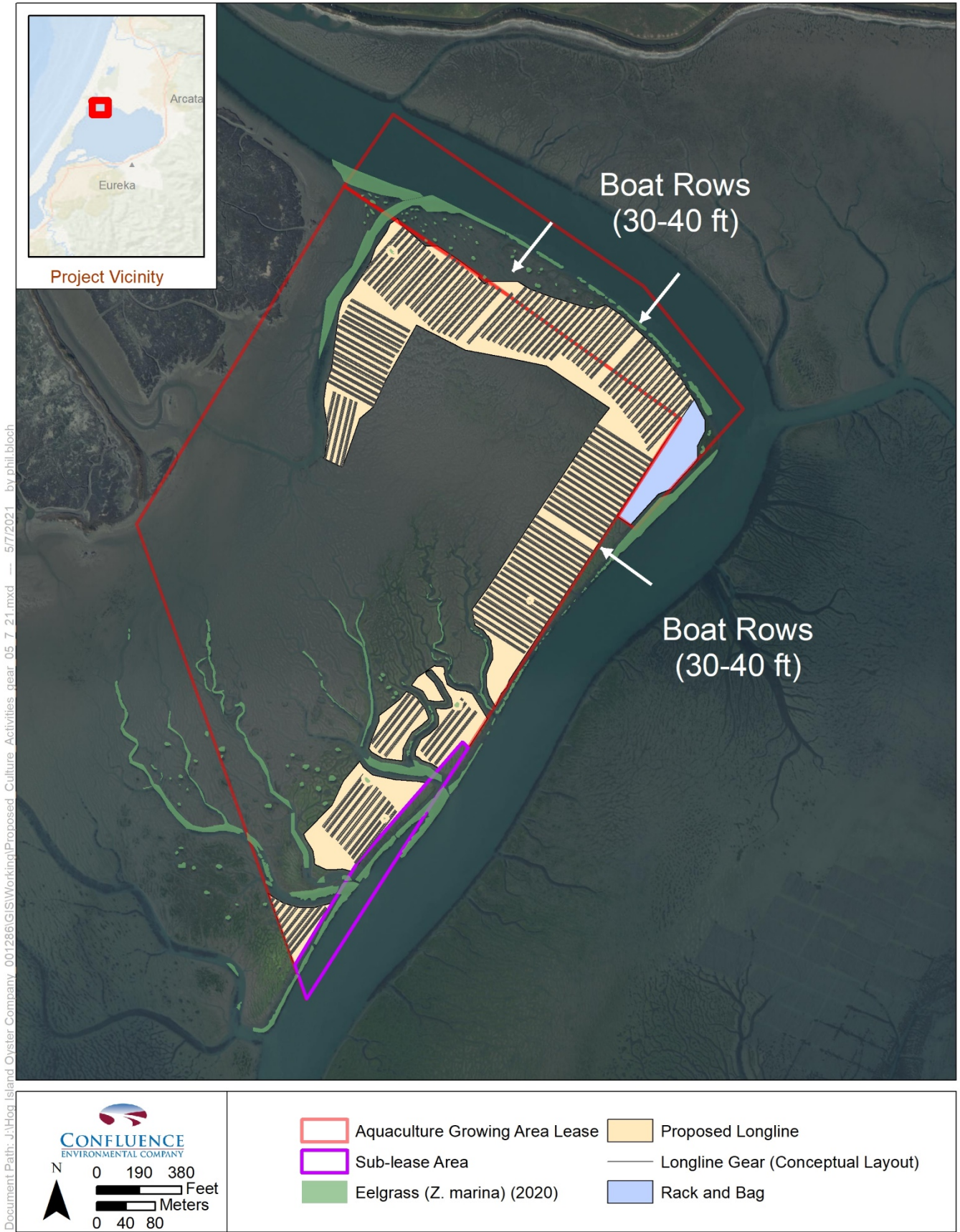
Longline Units	# of SEAPA Baskets	# of Tipping Bags	# of Vertical Support Pipes (2" diameter)
100-foot Longline	40	80	12
300-foot Longline	120	240	37
A block of 8x300-foot Longlines (~one acre)	960	1,920	296

Tipping bags attached on longlines are made of durable VEXAR and are typically 2-foot by 3-foot with ½-inch mesh. These bags are attached to the line using a stainless-steel snap hook or plastic clip that connects to a plastic bearing. Bags attached to long lines have a small crab float attached to them opposite of the attachment to the long line. Floats are attached to the bag using 3/8-inch poly line. SEAPA baskets are typically 2-foot by 4-foot by 1.5-foot in diameter and are made of high density polyethylene. After stocking the bags or baskets with oysters they are transported to the growing areas via work vessel. The vessel runs alongside the longlines and bags/baskets are clipped directly onto the line. Additional details and images on the installation of intertidal longline systems can be found in Figure 6.



**Figure 6. Longline Schematic with Anchor System and Pole Spacing between Anchors**  
 Note: typical 4 by 100-foot longline sets with 15-foot boat easements. Top = tipping bags with float; Bottom = SEAPA baskets.





**Figure 9. Conceptual Configuration of Longlines**