

CALIFORNIA COASTAL COMMISSION

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W13a

9-15-1931 (COAST SEAFOODS COMPANY))

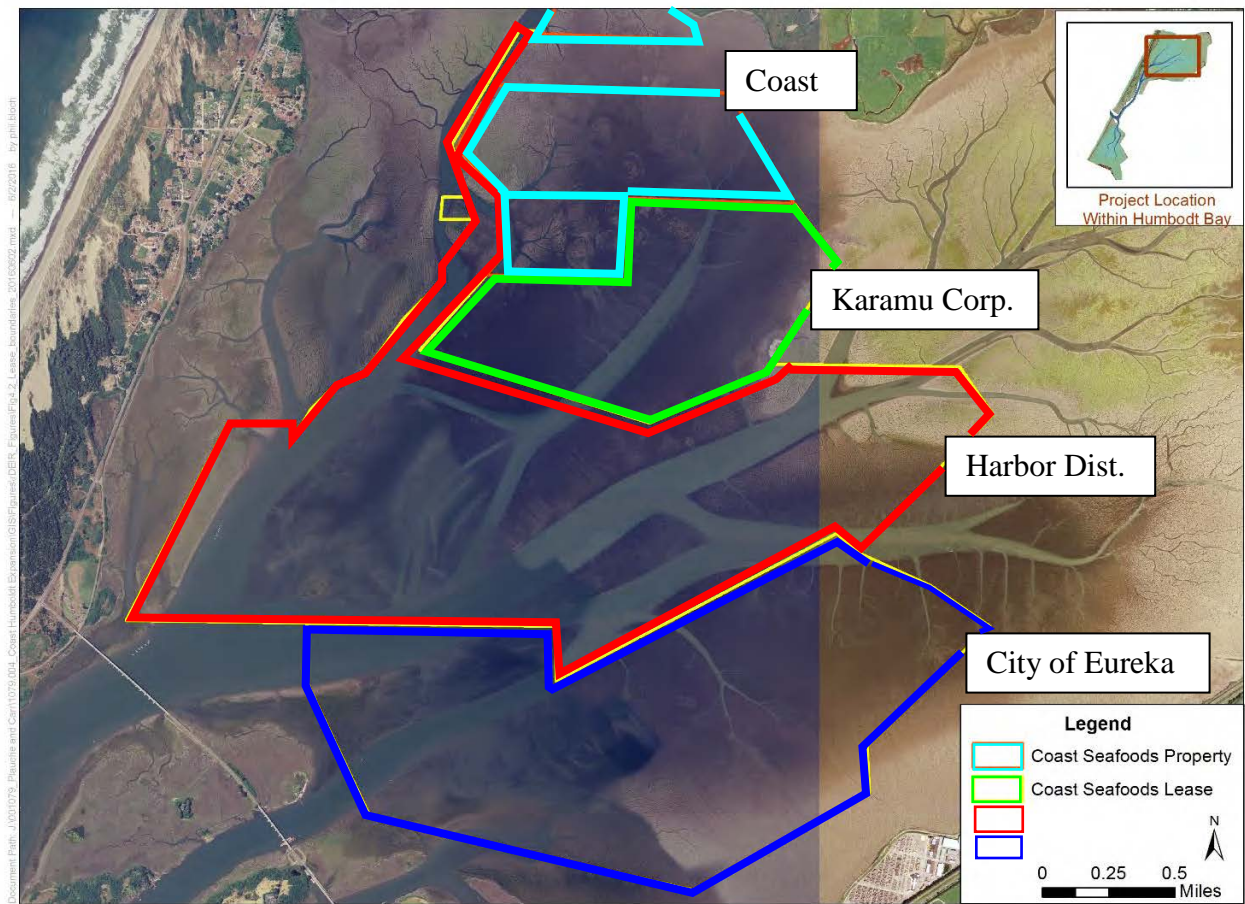
JUNE 7, 2017

EXHIBITS

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Exhibit 1 - Project Area showing Coast Seafoods Leased and Owned Areas



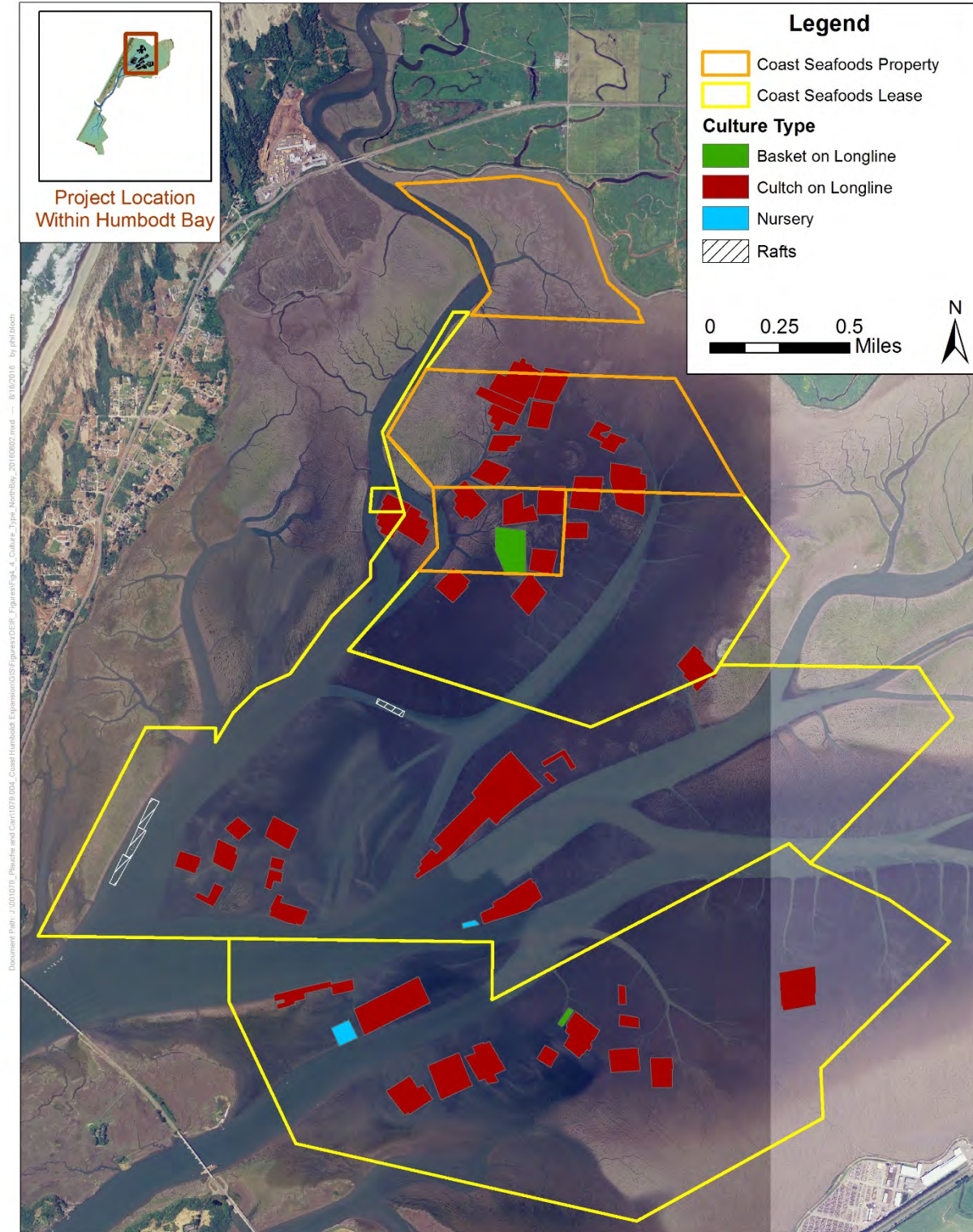


Figure 4.4 Coast's existing intertidal and subtidal shellfish culture footprint and methods in North Bay.³

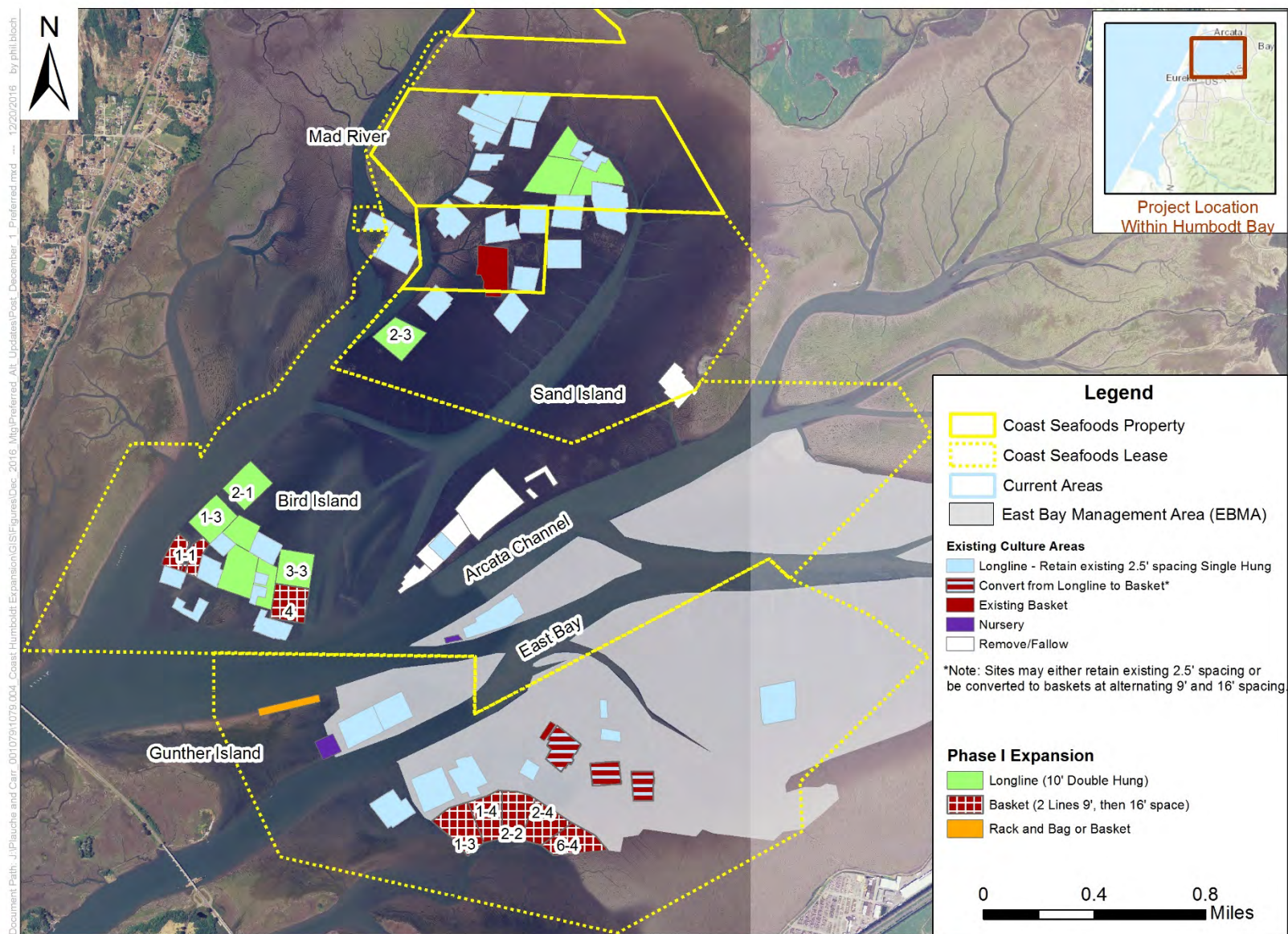


Figure 5.8 Overview of Phase I of the EBMA Avoidance Alternative Showing Proposed Expansion and Removal of Existing Aquaculture.

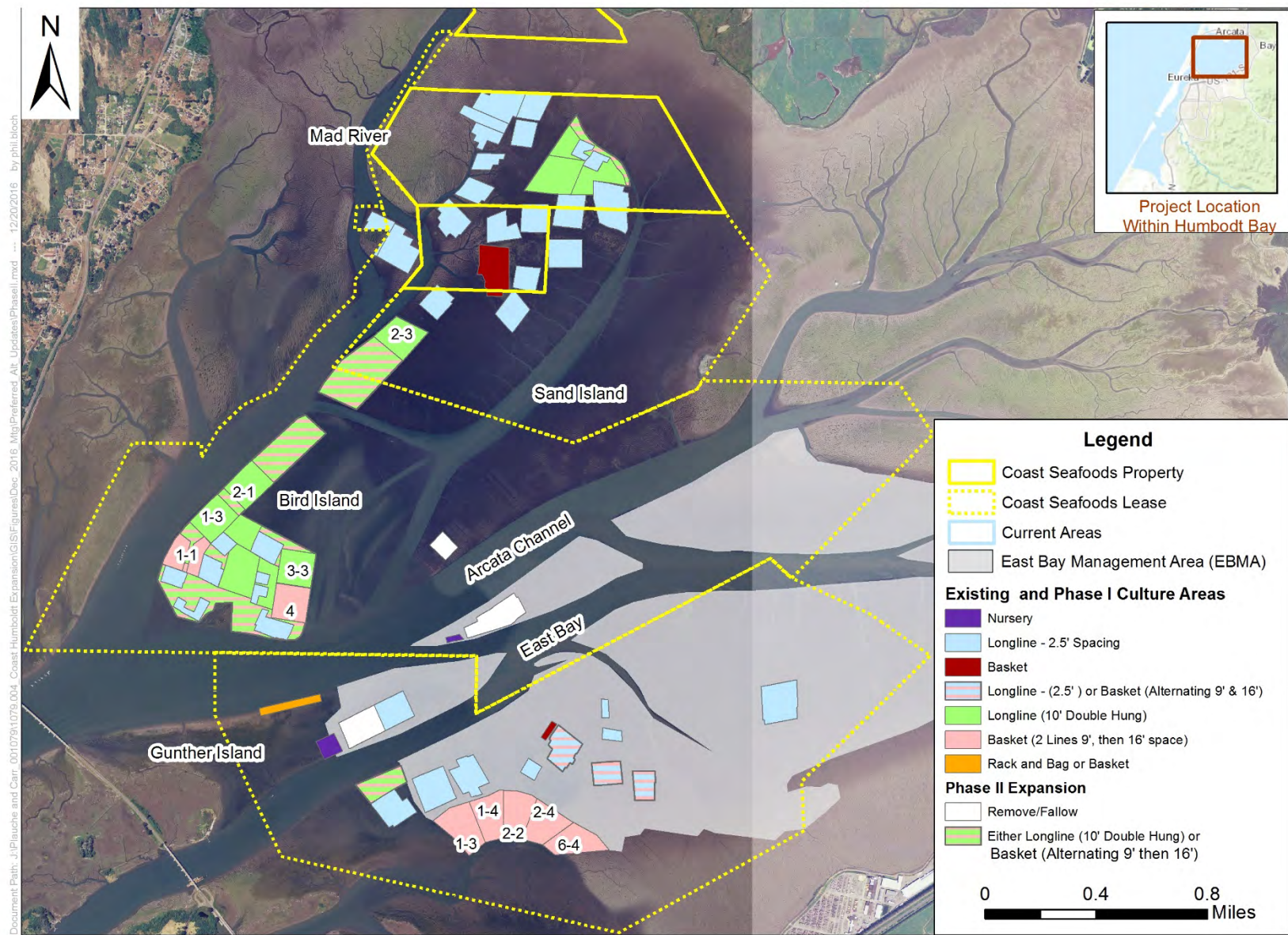
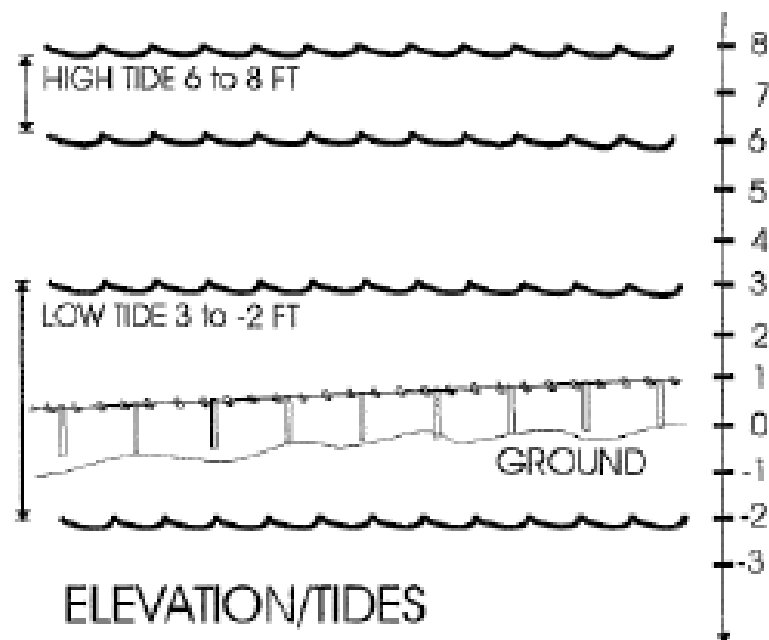
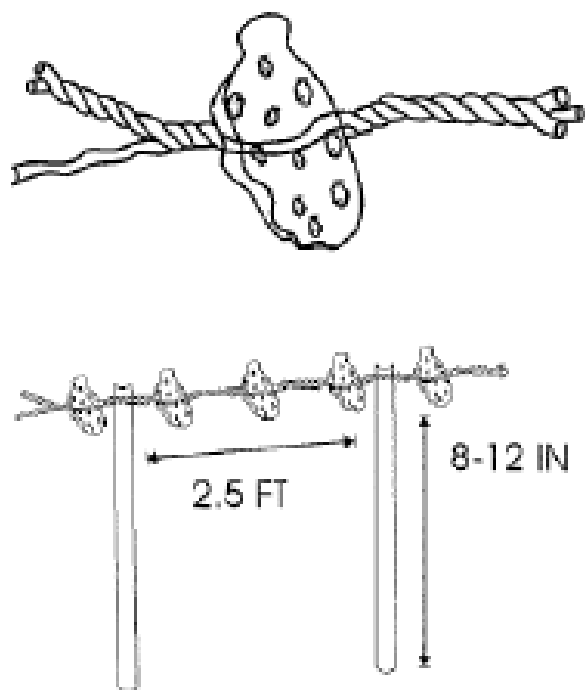


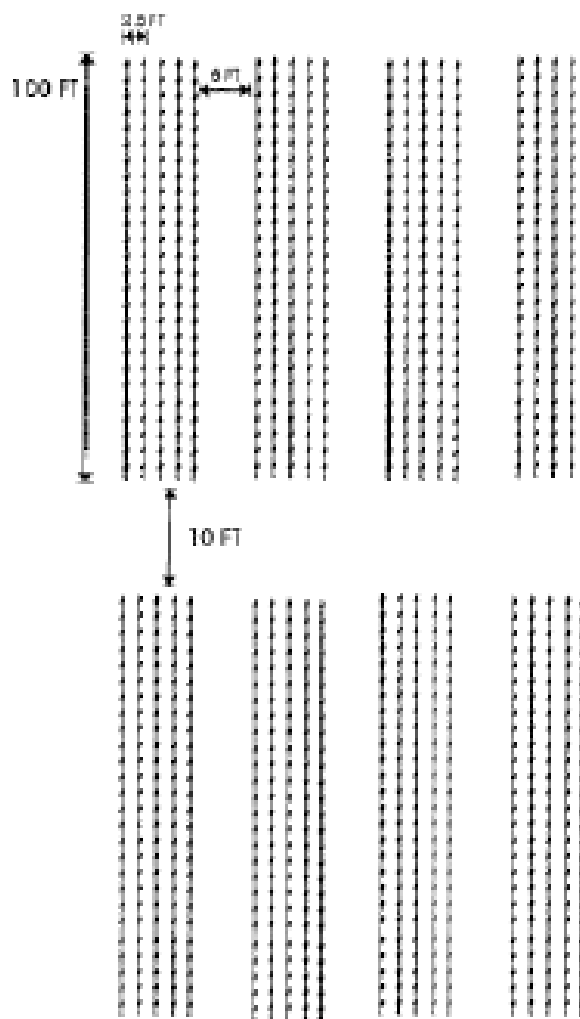
Figure 5.9 Overview of Phase II of the EBMA Avoidance Alternative Showing Proposed Expansion and Removal of Existing Aquaculture.

Exhibit 3 – Longline, Basket on Longline, and Cultivation Raft Design and Configuration

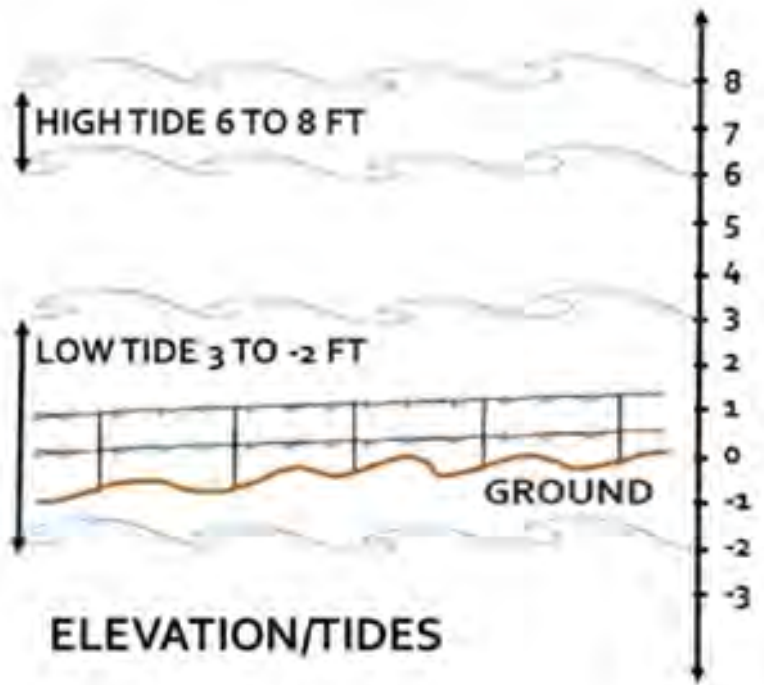
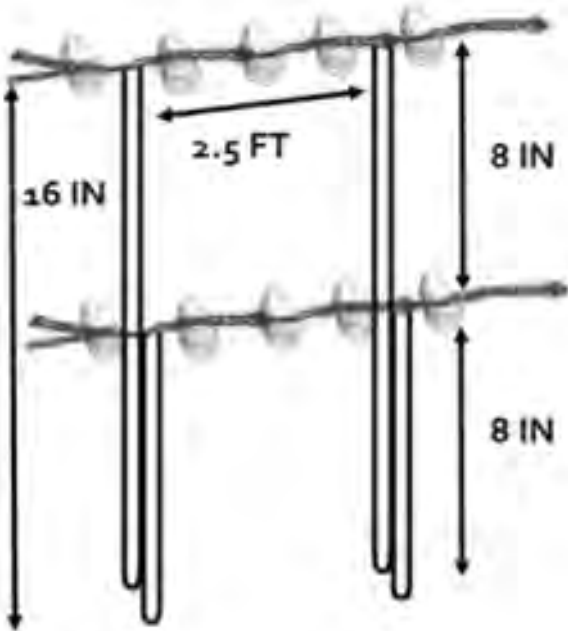
2.5-ft Spaced Longlines



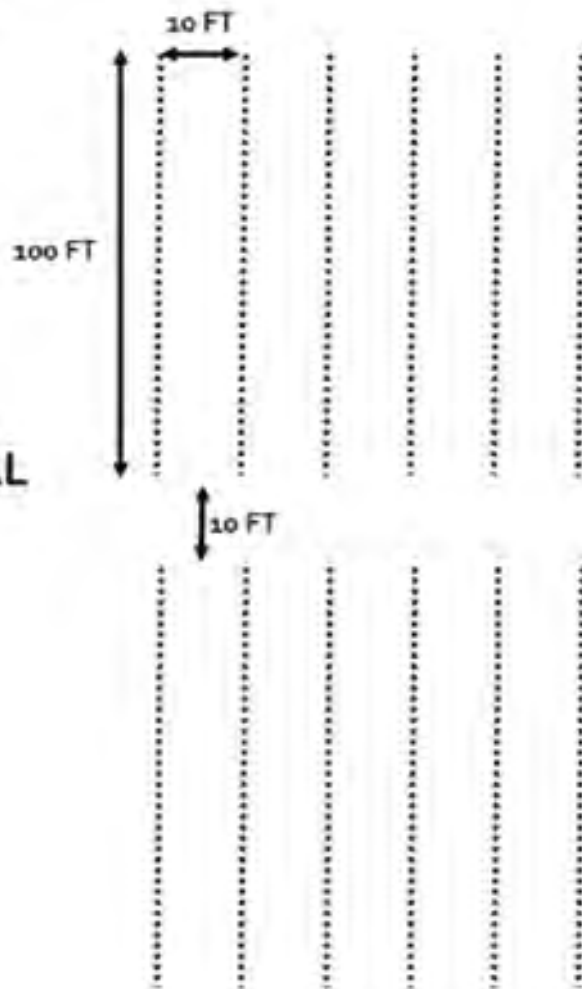
TYPICAL BED



10-ft Spaced Paired Longlines



TYPICAL
BED

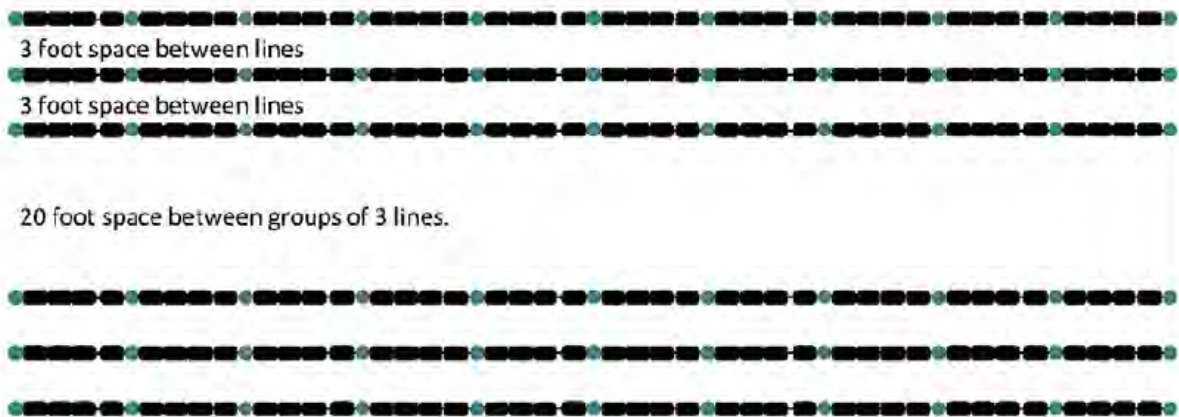


3x3-ft Spaced Baskets on Longlines

Structure (Side View): Lines are held up by 2 inch PVC pipe driven into the mud every 10 feet. Anchors made of galvanized fence posts are driven at the ends of each line. The lines are attached to the anchors and tension is created by a fence tightener. The baskets can be clipped and unclipped from the lines.



Spacing (Top View): Lines are 100 feet long and there are 40 baskets on each line. Lines are in groups of 3, with a 3 foot space between each line and a 20 foot space between each group of 3 lines. The 20 foot space is used to access the baskets with a boat.

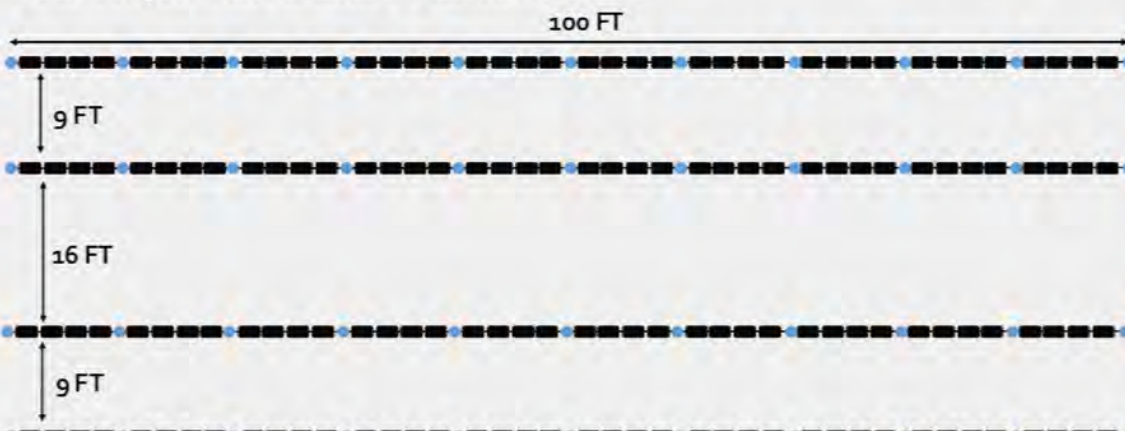


2x9-ft Spaced Baskets on Longlines

Structure (Side View): Lines are held up by 2 inch PVC pipe driven into the mud every 10 feet. Anchors made of galvanized fence posts are driven at the ends of each line. The lines are attached to the anchors and tension is created by a fence tightener. The baskets can be clipped and unclipped from the lines.

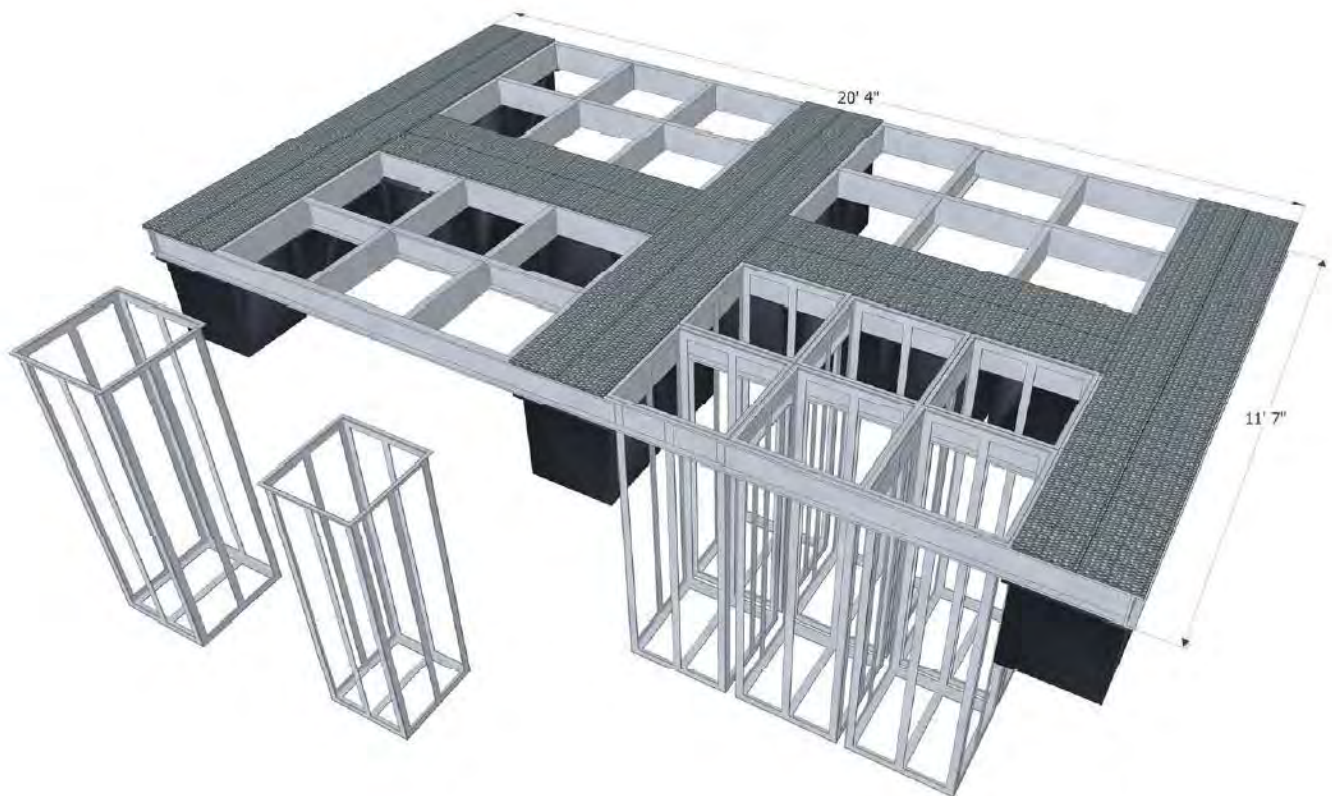
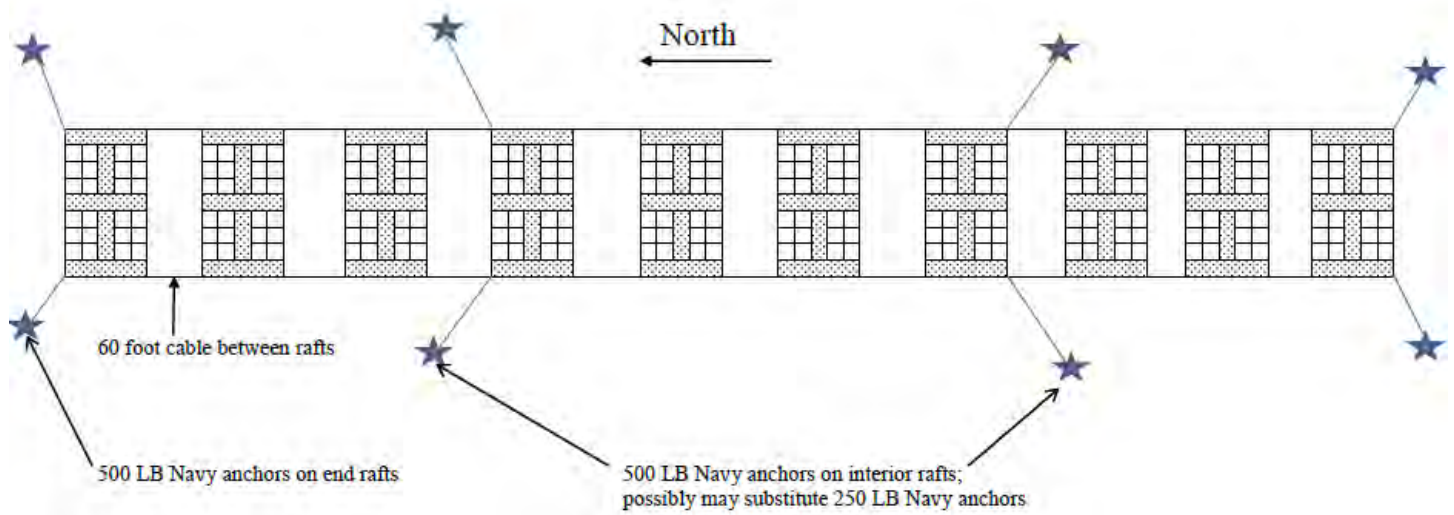


Spacing (Top View): Lines are 100 feet long and there are 40 baskets on each line. Lines are in groups of 2, with a 9 foot space between each line and a 16 foot space between each group of 2 lines. The 16 foot space is used to access the baskets with a boat.



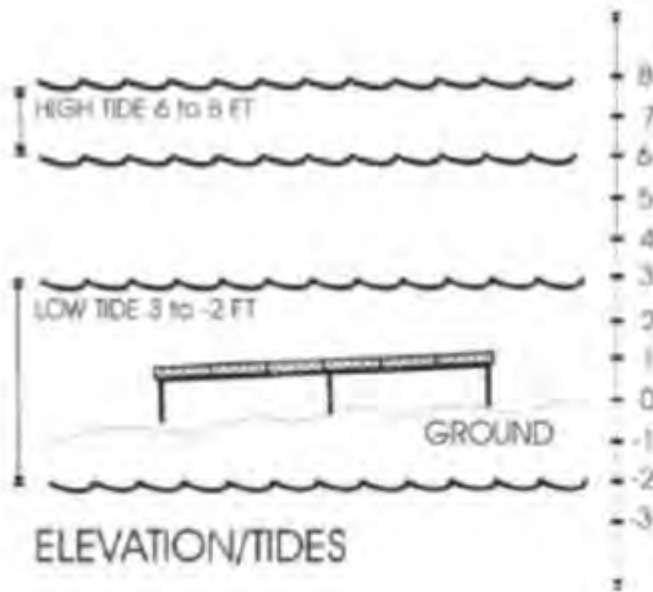
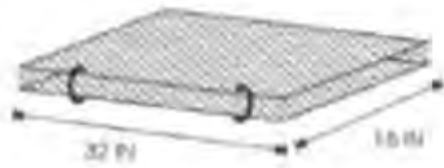
Clan Cultivation Rafts - Configuration and Design

Rafts will be anchored in units of 10 with 8 anchors per group of 10 rafts. Diagram is not to scale.



Rack and Bag Cultivation System Design

Rack and Bag Culture



TYPICAL PLOT

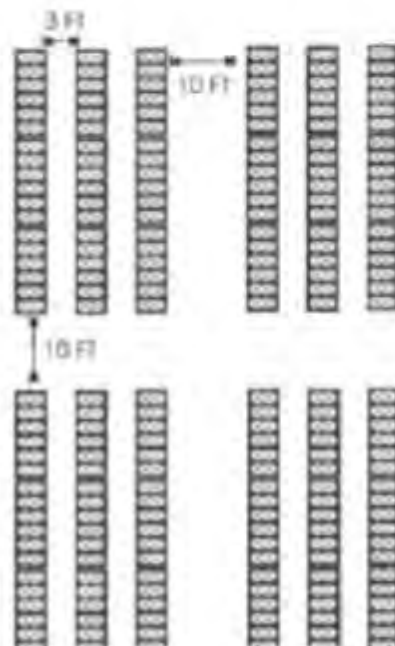


Exhibit 4 - Sample Photographs

2.5-ft Spaced Longlines Recently Planted

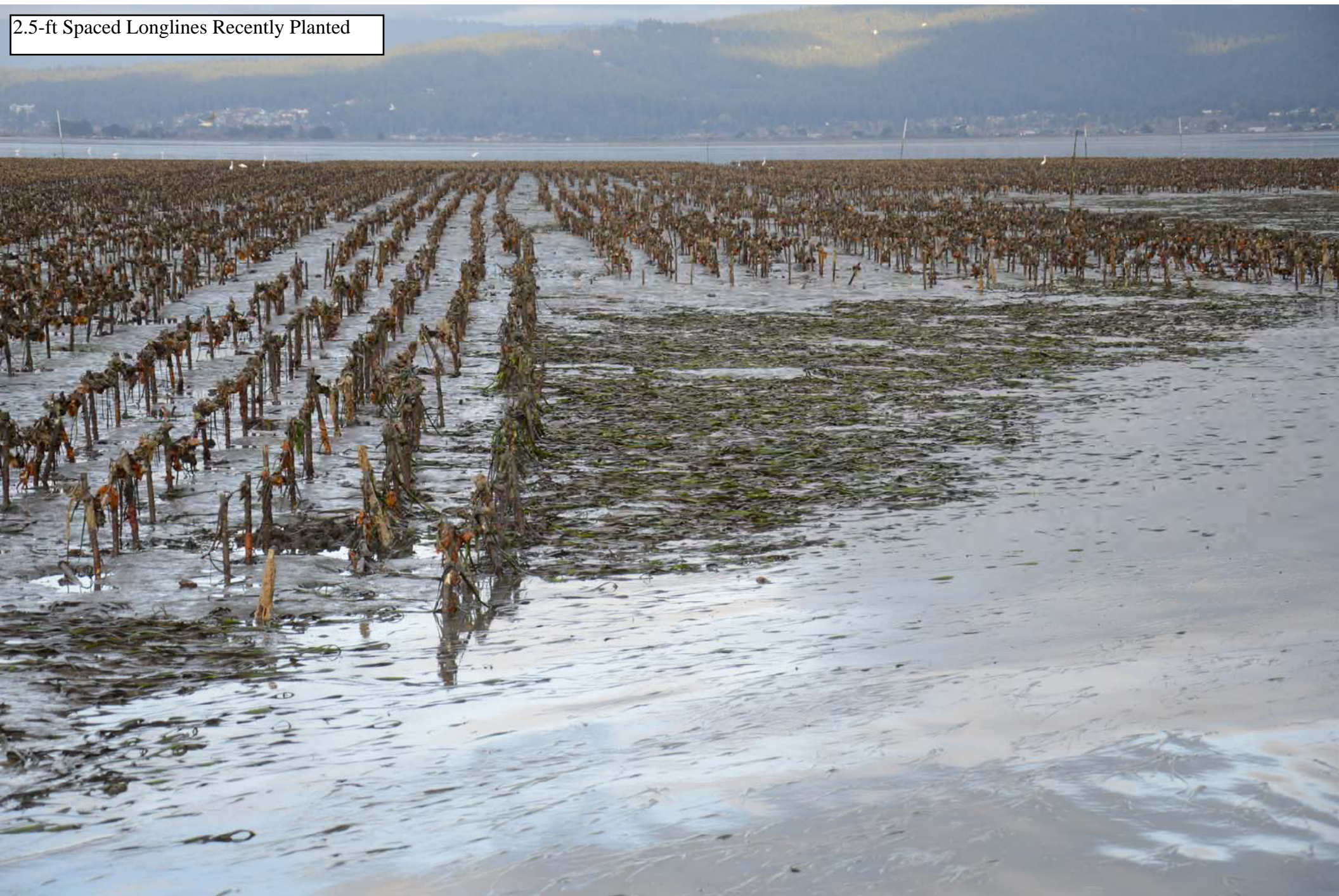


Exhibit 4 - Sample Photographs



Exhibit 4 – Sample Photographs

Baskets-on-longlines

Condition when in use:



Condition when newly installed:



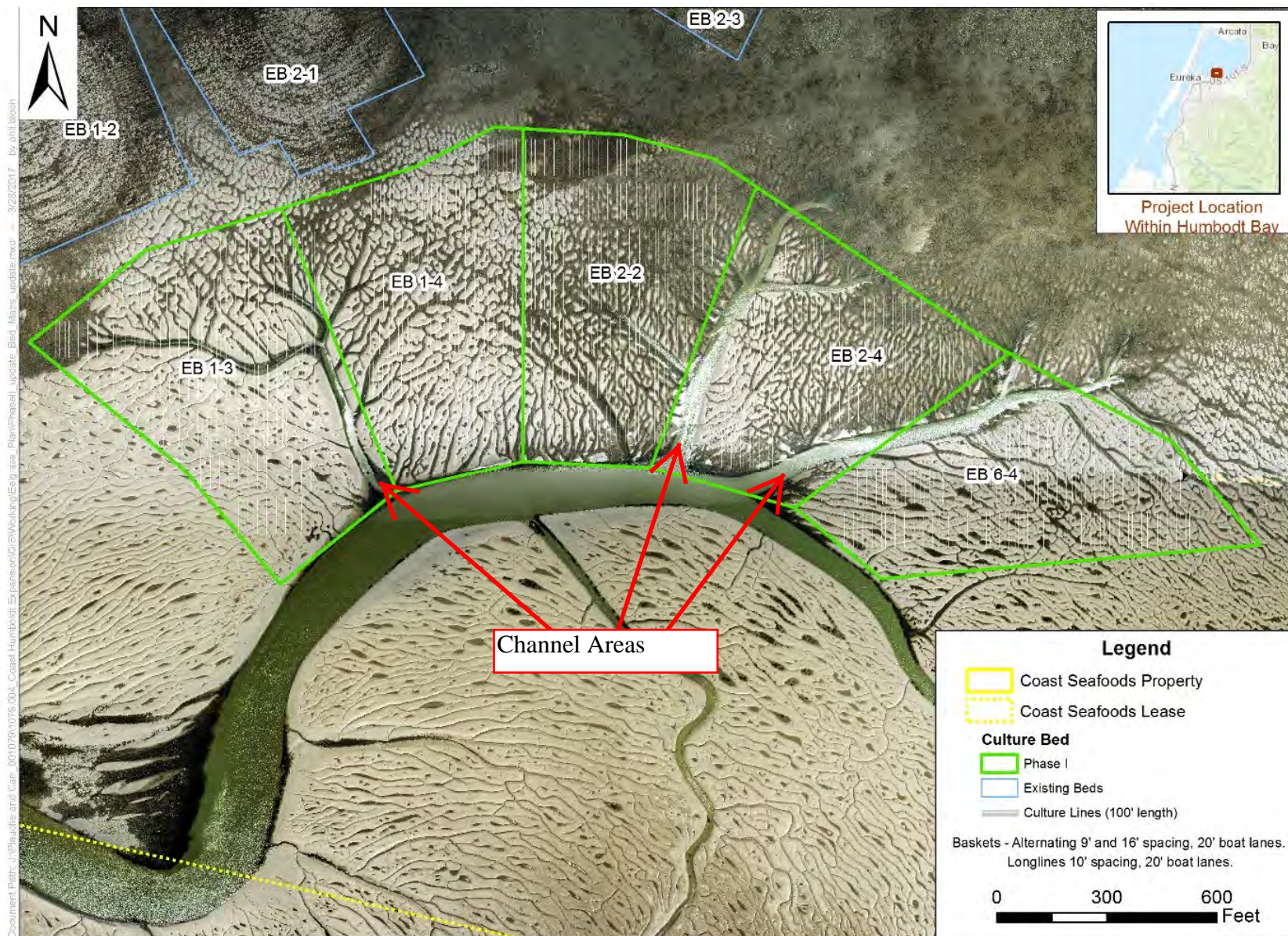
Nursery Area



Exhibit 5

Striped area indicates relocation areas for cultivation beds MR 2-3 and Indian Island rack and bag:





Map 4

Conceptual Layout of Phase I Basket-on-Longlines to the southeast of the East Bay Management Area

Exhibit 7
Floating Upwelling System Design

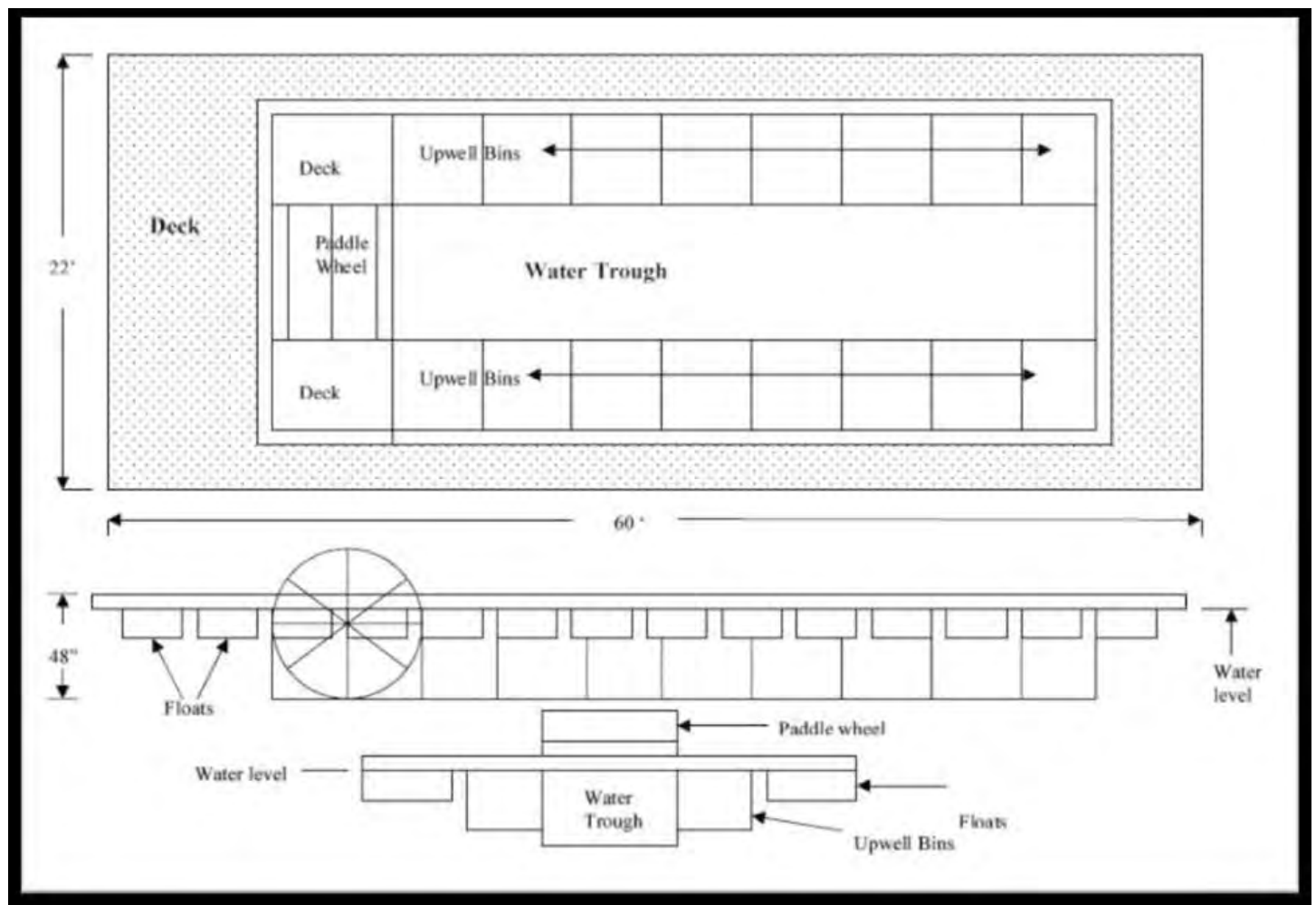


Exhibit 8 - Harbor District Resource Protection Measures

| Conservation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
|--|--|---|---|-----------------------|
| CONSERVATION BIO-1: Coast will not cause the intentional deposition of shells or any other material on the seafloor. | Coast Seafoods | Project duration | HBHRCD | |
| CONSERVATION BIO-2: Longline spacing for new shellfish culture plots would occur at 10-ft intervals for cultch-on-longline and alternating 9-ft and 16-ft intervals for basket-on-longline. | Coast Seafoods | During construction, for project duration | HBHRCD | |
| CONSERVATION BIO-3: Monthly and post-storm inspection of aquaculture plots will occur to ensure that gear is properly maintained. | Coast Seafoods | Project duration | HBHRCD | |
| CONSERVATION BIO-4: Rack-and-bag culture plots would not be planted within 25 ft of an existing eelgrass bed. | Coast Seafoods | During construction, for project duration | HBHRCD | |
| CONSERVATION BIO-5: No anchoring of the longline harvester would be done so as to shade the same area of eelgrass for a period exceeding 12 hours. | Coast Seafoods | Project duration | HBHRCD | |
| CONSERVATION BIO-6: Larger work boats would be anchored in the channel outside of eelgrass beds and smaller skiffs would be used to access longlines where eelgrass is present when the area is inundated. | Coast Seafoods | Project duration | HBHRCD | |
| CONSERVATION BIO-7: Boats will be operated in such a way as to minimize the degree of sediment mobilization and avoid propeller scarring in areas of eelgrass. | Coast Seafoods | Project duration | HBHRCD | |
| CONSERVATION BIO-8: No dredging, hydraulic harvesting, “bed cleaning,” or any other activities with a hydraulic harvester would occur. | Coast Seafoods | Project duration | HBHRCD | |
| CONSERVATION BIO-9: New shellfish culture plots will not be planted within 10 ft of a subtidal channel. | Coast Seafoods | During construction, for project duration | HBHRCD | |

| Conservation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
|--|-----------------------------------|--------------------------|--|----------------|
| CONSERVATION BIO-10: Coast will not conduct any activity when a marine mammal is observed hauled out in or near a culture area ready for planting, scheduled maintenance, or harvesting until the mammal has left on its own and without provocation from Coast. | Coast Seafoods | Project duration | HBHRCD | |
| CONSERVATION BIO-11: Coast will not intentionally approach or harass marine mammals during vessel transits. | Coast Seafoods | Project duration | HBHRCD | |
| CONSERVATION BIO-12: Coast will not intentionally approach or harass migratory birds that are actively feeding or resting within the project area. | Coast Seafoods | Project duration | HBHRCD | |
| <p>CONSERVATION MEASURE BIO-13: Brant Monitoring Plan. Prior to installation of any additional longlines, Coast shall submit to the Executive Director for review and written approval a brant monitoring plan. The monitoring plan shall include the following components:</p> <ol style="list-style-type: none"> 1. The monitoring plan will observe and report on Project impacts to black brant (<i>Branta bernicia nigricans</i>). 2. Coast shall provide forty thousand dollars (\$40,000) in funding for implementation and reporting of the monitoring plan. This does not include any funds spent on preparation of the monitoring plan itself. 3. Monitoring shall be conducted by a qualified ornithologist/ecologist to assess potential adverse impacts to brant due to disturbances from Coast's proposed structures, operations, and activities. 4. Monitoring associated with brant will be conducted between mid-February through mid-April. Monitoring shall be conducted for at least two years after longline installation. If monitoring results indicate that two-year monitoring period represented typical brant migration years and that the Project resulted in no significant adverse disturbances to brant based upon adopted thresholds, no additional monitoring may be required. If the monitoring results indicate otherwise, monitoring shall continue for two more years. 5. The description of monitoring activities shall include tallying the species and numbers of brant observed in identified control sites without aquaculture gear | Coast Seafoods | Pre-Construction | HBHRCD | |

| Conservation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
|--|-----------------------------------|--------------------------|--|----------------|
| <p>and sites with aquaculture gear. The sites selected will be distributed throughout Coast's Project area and will be stratified to account for differences in tidal elevation and eelgrass abundance (i.e. mudflat, patchy eelgrass, and dense eelgrass). Reports shall include descriptions of brant behavior (use and/or avoidance), brant mortality, and any changes in brant behavior.</p> <p>6. The monitoring plan shall specify a threshold for determining significant adverse impacts to brant associated with disturbances from Coast's planting and/or operations.</p> <p>7. An annual report of monitoring results shall be submitted to the Executive Director for review. The monitoring plan shall also include a provision for submission of a final monitoring report to the Executive Director at the end of the monitoring period for review and written approval. In the event that an adverse impact is identified in the annual report(s) or final report, modifications to mitigation, Project expansion sites, or Phase II of the Project will be identified and implemented through an adaptive management plan approved by the Harbor District. Any such plan will be submitted to the Advisory Review Committee for review and comment prior to approval by the Executive Director.</p> | | | | |
| CONSERVATION HAZ-1: Coast will not discharge any feed, pesticides, or chemicals (including antibiotics and hormones) into Humboldt Bay waters. | Coast Seafoods | Project duration | HBHRCD | |
| CONSERVATION HAZ-2: Coast will implement an equipment maintenance program for all vessels used in mariculture activities in order to limit the likelihood of release of fuels, lubricants, paints, solvents, or other potentially toxic materials associated with vessels as a result of accident, upset, or other unplanned events. | Coast Seafoods | Pre-Construction | HBHRCD | |
| CONSERVATION HAZ-3: Coast will continue to fuel boats at commercial fuel dock facilities, carry oil spill absorption pads and seal wash decks or isolate fuel areas prior to fueling so as to prevent contaminants from entering the water. | Coast Seafoods | Project duration | HBHRCD | |

| Conservation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
|--|--|--|---|-----------------------|
| CONSERVATION AV-1: Reflective materials such as shiny metals will not be used. | Coast Seafoods | Project duration | HBHRCD | |
| CONSERVATION REC-1: Coast shall avoid operations in the mapped are of the EBMA from midnight until sunset on days designated by CDFW as brant hunting days, including season opening and closing days (typically brant hunting is limited to Wednesdays, Saturdays, and Sundays between November 15 and December 15). This conservation measure shall not apply in the case of emergency conditions or other operations, such as marine debris removal, required by Coast to comply with other conditions of approval or mitigation measures, or ensure operational safety. | Coast Seafoods | Project duration | HBHRCD | |
| CONSERVATION REC-2: By December 1 of each year, Coast will submit a current bed map to the Harbor District for posting on the Harbor District's website; Coast will also post the current bed map on its website and at known kayak and boat launching sites in North Bay. The map will describe the locations of all of Coast's subtidal and intertidal culture in North Bay. Coast will provide electronic copies of the bed map upon request. The maps posted at known kayak and boat launching sites must be clear and highly visible to help inform recreational users, wildlife refuge managers, and local regulatory agencies. | Coast Seafoods | By December 1 of each year for project duration | HBHRCD | |
| CONSERVATION MEASURE REC-3: Within 30 days of permit approval, Coast shall submit a Cultivation Bed Mapping and Marking Plan. This plan shall include a consistent, standardized method of marking the location of Coast's growing areas and culture beds in a manner that is obvious, identifiable, and understandable by boaters and recreational users not familiar with Coast's operation. Unless a more effective approach can be developed by Coast and approved by the Harbor District, the plan shall include the use of uniform marking stakes or posts that (1) remain visible and above water during maximum tidal heights; (2) are topped with reflective material; (3) identify the side of the stake on which the culture bed is located; and (4) are placed every 200-feet along the outer sides and at each corner of each of Coast's active culture beds. In addition, the plan shall include a method for Coast to develop, consistently update, and distribute digital and hard copy maps of Arcata Bay showing the location of its rafts and culture beds. | Coast Seafoods | Within 30 days of permit approval, and then consistently updated for duration of Project | HBHRCD | |

| Mitigation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
|--|-----------------------------------|--------------------------|--|----------------|
| <p>MITIGATION CR-1: Coast's authorized point of contact for inadvertent archaeological discovery. Coast will designate an authorized point of contact (Cultural Resources POC) in the event of inadvertent discovery of any cultural or archaeological resource or human remains or Native American grave goods during Project implementation; Coast will ensure that the Harbor District has the name and current contact information for its Cultural Resources POC.</p> | Coast Seafoods | Pre-Construction | HBHRCD | |
| <p>MITIGATION CR-2: Protocols for inadvertent discovery of any cultural or archeological resource. Should an archaeological resource be inadvertently discovered during ground-disturbing activities, the Tribal Historic Preservation Officers (THPO) appointed by the Blue Lake Rancheria, Bear River Band of Rohnerville Rancheria and Wiyot Tribe, and California State Lands Commission (CSLC), shall be immediately notified and a qualified archaeologist with local experience retained to consult with the Harbor District, the three THPOs, CSLC, Coast, and other applicable regulatory agencies to employ best practices for assessing the significance of the find, developing and implementing a mitigation plan if avoidance is not feasible, and reporting in accordance with the Harbor District's Standard Operating Procedures, as memorialized in this Mitigation Measure and as further laid out in the Harbor District Protocol.</p> <ol style="list-style-type: none"> 1. Ground-disturbing activities shall be <u>immediately</u> stopped if potentially significant historic or archaeological materials are discovered. Examples include, but are not limited to, concentrations of historic artifacts (e.g., bottles, ceramics) or prehistoric artifacts (chipped chert or obsidian, arrow points, groundstone mortars and pestles), culturally altered ash-stained midden soils associated with pre-contact Native American habitation sites, concentrations of fire-altered rock and/or burned or charred organic materials, and historic structure remains such as stone-lined building foundations, wells or privy pits. Ground-disturbing Project activities may continue in other areas that are outside the discovery locale. | Coast Seafoods | Construction | HBHRCD | |

| Mitigation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
|---|-----------------------------------|--------------------------|--|----------------|
| <ol style="list-style-type: none"> 2. An “exclusion zone” where unauthorized equipment and personnel are not permitted shall be established (e.g., taped off) around the discovery area, plus a reasonable buffer zone, by the District, or party who made the discovery. 3. The discovery locale shall be secured (e.g., 24-hour surveillance) as directed by the District if considered prudent to avoid further disturbances. 4. Coast’s plant manager (located at 25 Waterfront Drive in Eureka) or party who made the discovery and initiated these Protocols shall be responsible for immediately contacting by telephone the parties listed below to report the find: <ol style="list-style-type: none"> a. The Harbor District’s authorized POC, as listed in the Harbor District Protocol; and b. Coast’s Cultural Resources POC. 5. Upon learning about a discovery, the District’s POC shall be responsible for immediately contacting by telephone the POCs listed below to initiate the consultation process for its treatment and disposition: <ol style="list-style-type: none"> a. THPOs with Blue Lake Rancheria, Bear River Band and Wiyot Tribe; b. Other applicable agencies involved in Project permitting (e.g., USACE, California Coastal Commission, etc.); and c. The California State Lands Commission. 6. In cases where a known or suspected Native American burial or human remains are uncovered, the Humboldt County Coroner (707-445-7242) shall also be notified immediately, along with the property owner of the discovery site. In addition, Mitigation Measure CR-3 shall be followed. 7. Ground-disturbing Project work at the find locality shall be suspended temporarily while the District, the three THPOs, the CSLC, a consulting archaeologist and other applicable parties consult about appropriate treatment and disposition of the find. Ideally, a Treatment Plan will be developed within three working days of discovery notification. Where the Project can be modified to avoid disturbing the find (e.g., through project redesign), this may be the preferred option. Should human remains be encountered, the provisions of State laws shall apply and Mitigation Measure CR-3 followed. The Treatment Plan shall reference appropriate laws and include provisions for | | | | |

| Mitigation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
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| <p>analyses, reporting, and final disposition of data recovery documentation and any collected artifacts or other archaeological constituents. Ideally, the field phase of the Treatment Plan may be accomplished within five (5) days after its approval, however, circumstances may require longer periods for data recovery.</p> <p>8. Any and all inadvertent discoveries shall be considered strictly confidential, with information about their location and nature being disclosed only to those with a need to know. The District's authorized representative shall be responsible for coordinating any requests by or contacts to the media about a discovery.</p> <p>9. These Mitigation Measures shall be communicated to Coast's field work force (including contractors, employees, officers and agents) and such communications may be made and documented at safety briefings.</p> <p>10. Ground-disturbing work at a discovery locale may not be resumed until authorized in writing by the District and CSLC.</p> <p>11. The plant manager or party who made the discovery and initiated these Protocols, shall make written notes available to the Harbor District describing: the circumstances, date, time, location and nature of the discovery; date and time each POC was informed about the discovery; and when and how security measures were implemented.</p> <p>12. The plant manager, Cultural Resources POC, or party who made the discovery shall record how the discovery downtime affected the Project work schedule.</p> <p>13. Treatment Plans and corresponding Data Recovery Reports shall be authored by professionals who meet the Federal criteria for Principal Investigator Archaeologist and reference the <i>Secretary of the Interior's Standards and Guidelines for Archaeological Documentation</i> (48 Fed. Reg. 44734-44737).</p> <p>14. Final disposition of all collected archaeological materials shall be documented in a final Data Recovery report and its disposition decided in consultation with Tribal representatives.</p> <p>15. Final Data Recovery Reports, along with updated confidential, standard California site record forms (DPR 523 series) shall be filed at the Northwest Information Center of the California Historical Resources Information System,</p> | | | | |

| Mitigation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
|--|-----------------------------------|--------------------------|--|----------------|
| <p>the CSLC, and the Harbor District, with report copies provided to the three identified THPOs.</p> <p>16. The final disposition of archaeological, historical, and paleontological resources recovered on State lands under the jurisdiction of the CSLC must be approved by the CSLC.</p> | | | | |
| <p>MITIGATION CR-3: Protocols for inadvertent discovery of human remains and grave goods. In the event of inadvertent discovery of human remains or Native American grave goods during ground-disturbing activities, work at the discovery locale shall be halted immediately, the Harbor District and County Coroner contacted, and, consistent with State law, the following protocol followed (in addition to the protocol described under Mitigation Measure CR-2).</p> <p>1. If human remains are encountered, they shall be treated with dignity and respect. Discovery of Native American remains is a very sensitive issue and serious concern of affiliated Native Americans. Information about such a discovery shall be held in confidence by all Project personnel on a need-to-know basis. The rights of Native Americans to practice ceremonial observances on sites, in labs and around artifacts shall be upheld.</p> <p>2. Violators of Section 7050.5 of the California Health and Safety Code may be subject to prosecution to the full extent of applicable law (felony offense). In addition, the provisions of California law (Section 7050.5 of the California Health and Safety Code and Section 5097.98 of the California Public Resources Code) will be followed:</p> <p>1. The Coroner has two working days to examine the remains after being notified of the discovery. If the remains are Native American, the Coroner has 24 hours to notify the NAHC in Sacramento at (916) 653-4082.</p> <p>2. The NAHC is responsible for identifying and immediately notifying the most likely descendant (MLD) of the deceased Native American. (Note: NAHC policy holds that the Native American Monitor will not be designated the MLD.)</p> | Coast Seafoods | Construction | HBHRCDCD | |

| Mitigation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
|--|-----------------------------------|--|--|----------------|
| <p>3. Within 48 hours of their notification by the NAHC, the MLD will be granted permission by the property owner of the discovery locale to inspect the discovery site if they so choose.</p> <p>4. Within 48 hours of their notification by the NAHC, the MLD may recommend to the owner of the property (discovery site) the means for treating or disposing, with appropriate dignity, the human remains and any associated grave goods. The recommendation may include the scientific removal and non-destructive or destructive analysis of human remains and items associated with Native American burials. Only those osteological analyses (if any) recommended by the MLD may be considered and carried out.</p> <p>5. Whenever the NAHC is unable to identify a MLD, or the MLD identified fails to make a recommendation, or the property owner rejects the recommendation of the MLD and mediation between the parties by NAHC fails to provide measures acceptable to the property owner, he/she shall cause the re-burial of the human remains and associated grave offerings with appropriate dignity on the property in a location not subject to further subsurface disturbance.</p> | | | | |
| <p>MITIGATION BIO-1: Removal of existing culture (fallowing). Coast will remove existing culture (fallow) based on a 4:1 ratio of expansion acreage to removed existing culture acreage. Coast will remove 42.0 acres of existing culture as mitigation for Phase I, within the first 3 years of the project. For Phase II, up to 90.8 acres of expansion acreage would result in the removal of up to 22.7 acres of existing culture. <i>See</i> FEIR Figures 5.8 and 5.9 for the location of the mitigation sites proposed for removal of culture.</p> | Coast Seafoods | <p>To precede or occur concurrently with expansion activities. Existing longlines removal to take place within 3 months of new planted acreage. Phase I mitigation to occur within first</p> | HBHRCD | |

| Mitigation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
|---|-----------------------------------|---|--|----------------|
| | | 3 years of the project. | | |
| MITIGATION BIO-2: Herring egg monitoring and consultation with CDFW. Coast will ensure that all employees who supervise work on the tidelands are trained by a qualified biologist to conduct pre-work herring spawn surveys. During the months of December through March, trained Coast employees will perform a pre-work herring spawn survey at each location where work is scheduled to take place to determine whether herring have spawned on eelgrass, culture materials, or substrate. If herring spawn is observed, Coast will: (1) notify the CDFW's Eureka Marine Region office within 24 hours, and (2) postpone activities on those beds until all eggs have hatched. In addition, Coast will work with CDFW during spawning surveys to sample within culture gear and identify whether herring are spawning in the longlines. | Coast Seafoods | December through March, for the project duration | HBHRCD | |
| MITIGATION BIO-3: Marine Mammal Buffers and Avoidance. No activity involving human disturbance will occur within 100 m of the area of Sand Island that is above mean higher high water to avoid the harbor seal haul-out location and nesting birds on Sand Island. | Coast Seafoods | Pre-Construction and project duration | HBHRCD | |
| MITIGATION BIO-4: Impact on eelgrass availability to black brant. If monitoring data demonstrate that eelgrass impacts are above the Project's adaptive management thresholds and additional mitigation is implemented, the mitigation provided eelgrass must be available to black brant. | Coast Seafoods | Project duration. Initial review based on eelgrass monitoring data submitted after first 3 years of project implementation. | HBHRCD | |

| Mitigation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
|---|-----------------------------------|--------------------------|--|----------------|
| MITIGATION AQ-1: Coast shall comply with the requirements of all adopted air quality plans, including plans covering particulate emissions, and shall implement all actions required by the AQMD for Coast's mariculture operations. | Coast Seafoods | Project duration | HBHRCD | |
| MITIGATION HAZ-1: As soon as safely possible following storm or severe wind or weather events, Coast shall patrol all active mariculture areas for escaped or damaged mariculture equipment. All equipment that cannot be repaired and placed back into service shall be properly recycled or disposed of at an appropriate onshore facility. In addition, Coast shall retrieve or repair any escaped or damaged mariculture equipment that it encounters while conducting routine daily and/or monthly maintenance activities associated with shellfish culture (e.g. bed inspections, shellfish grading and sorting). If the escaped gear cannot be repaired and replaced on the shellfish bed, it shall be properly recycled or disposed of on land. | Coast Seafoods | Project duration | HBHRCD | |
| MITIGATION HAZ-2: Within 30 days of harvest on any plot that is being discontinued, abandoned, fallowed, or taken out of production for six months or more, the applicant shall remove all oyster culture apparatus from that plot, including but not limited to stakes, racks, baskets, floats, rope, ties, wires, tags and pallets. | Coast Seafoods | Project duration | HBHRCD | |
| MITIGATION HAZ-3: Coast shall implement annual employee training regarding marine debris issues and how to identify loose culture gear and proper gear repair and removal methods. Particular focus shall be placed on management and maintenance practices to reduce the loss of any gear type consistently found during bay cleanup and inspection activities. During trainings, Coast employees shall be encouraged to consider and implement field and management practices that reduce the amount of small plastic gear (such as zip-ties, tags and fasteners) and non-biodegradable material (such as PV stakes and nylon or polypropylene rope) used in its operations. | Coast Seafoods | Project duration | HBHRCD | |

| Mitigation Measure | Responsibility for Implementation | Timing of Implementation | Responsibility for Confirming Completion | Date Completed |
|---|-----------------------------------|--------------------------|--|----------------|
| MITIGATION HAZ-4: Coast shall conduct quarterly bay cleanups in coordination with other interested parties or organizations, which shall include walking different portions of the bay and shorelines to pick up escaped shellfish gear and other trash (regardless of whether it is generated by the Project). The volume and type of shellfish gear collected and the cleanup location (marked on a map) and duration of cleanup activity shall be recorded and documented in the annual report submitted to the Harbor District. If consistent discoveries of certain gear types are made during cleanup events by Coast or the public, Coast shall evaluate (and if feasible, implement use of) alternative gear types or practices that would reduce these consistent sources of debris. | Coast Seafoods | Project duration | HBHRCD | |
| MITIGATION HAZ-5: Coast will not leave tools, loose gear, or construction materials on its owned and leased tidelands or surrounding areas for longer than one tide cycle. All gear installed in the Project area will be kept neat and secure. | Coast Seafoods | Project duration | HBHRCD | |
| MITIGATION MEASURE HAZ-6: Coast shall mark shellfish culture bags, baskets, and basket label tags in an easily identifiable manner with its company name or other identification information. Markings shall be securely attached and robust enough to remain attached and legible after an extended period in the marine environment (e.g. heat transfer, hot stamp, etching, etc.). Existing culture bags, baskets, and basket label tags currently in use in culture beds shall be marked or replaced with marked versions when replanted and all unmarked gear shall be replaced in this way within 24 months. In the event that shellfish culture gear or equipment becomes dislodged from culture beds, it shall be Coast's responsibility to retrieve the material from the shoreline, eelgrass beds, mudflat, or submerged bottom with minimal damage to the resources affected. Such material shall be removed and properly disposed of, recycled, or returned to use. | Coast Seafoods | Project duration | HBHRCD | |
| MITIGATION MEASURE HAZ-7: Coast shall provide \$10,000 to the Harbor District to fund staff time associated with patrolling Coast's project area to ensure compliance with Mitigation Measures HAZ-1 through HAZ-6, reviewing documentation of Coast's cleanup efforts, and documenting Coast's compliance with such requirements. | Coast Seafoods | Pre-Construction | HBHRCD | |

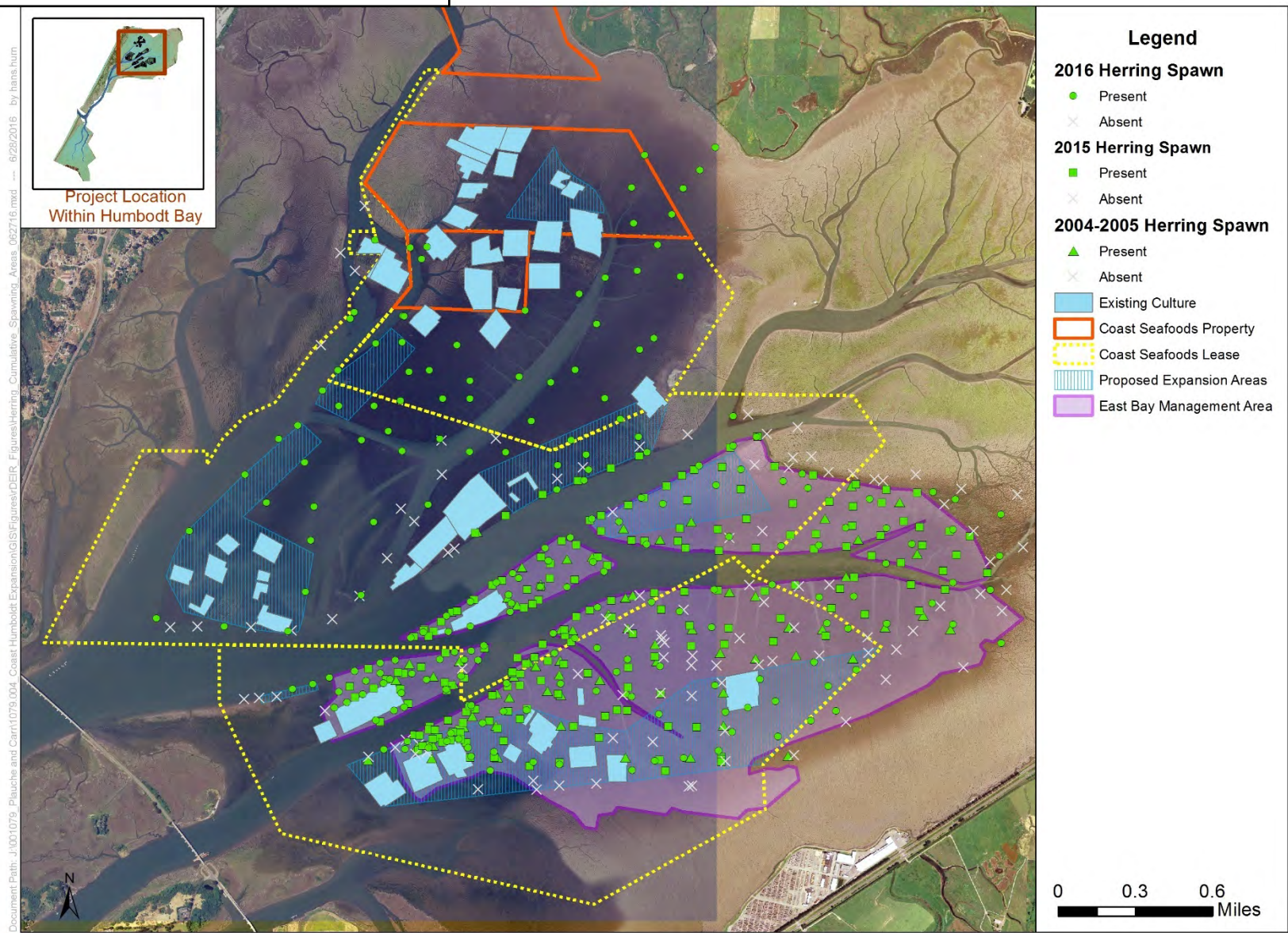


Figure 6.5.24 Pacific Herring Spawning Locations in North Bay, Humboldt Bay, California.

Source: modified from CDFW data provided to Dale, pers. comm., 2015.

Note: Lease boundaries are approximate based on a review of the legal description and do not represent surveyed locations.

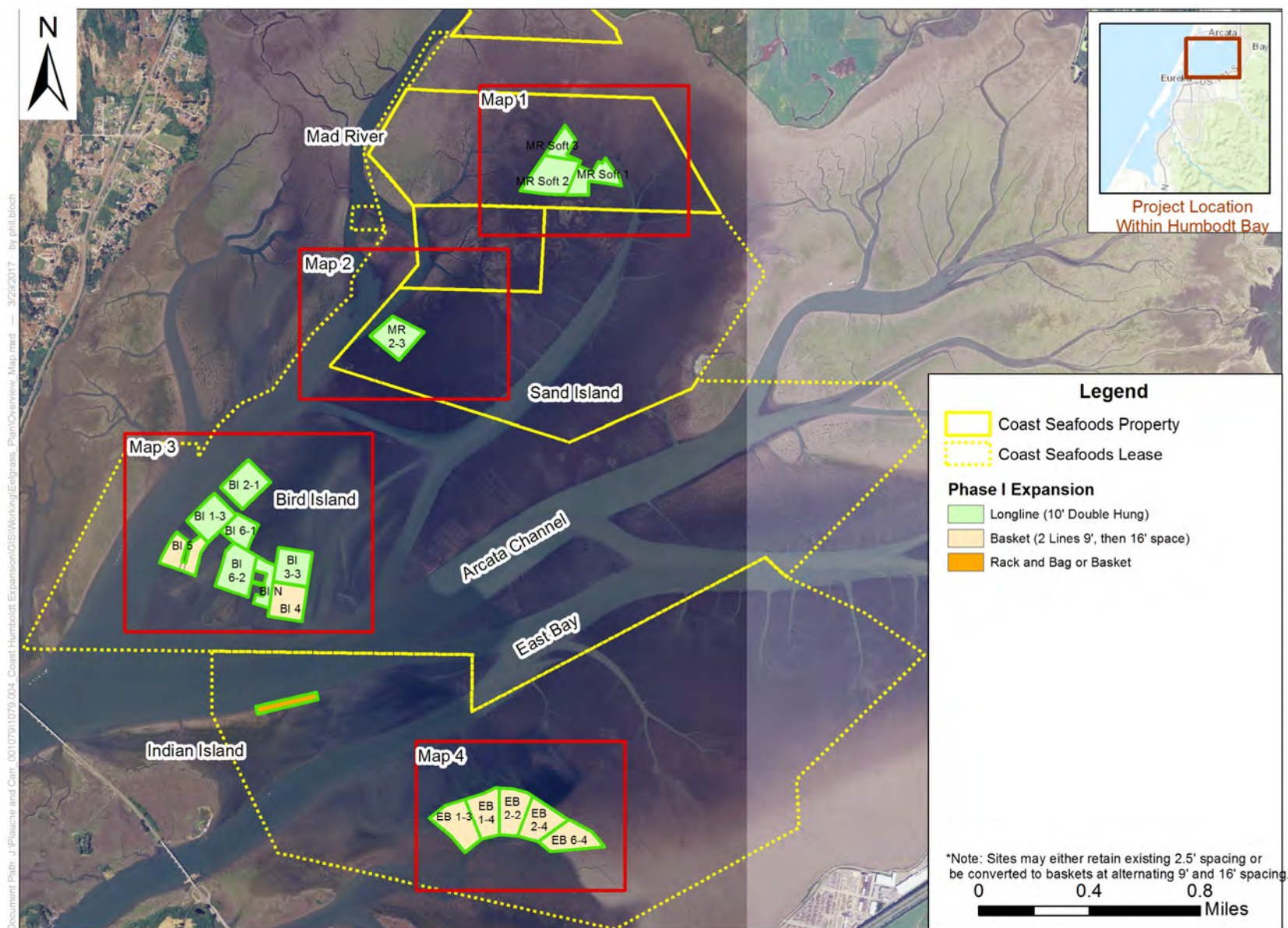
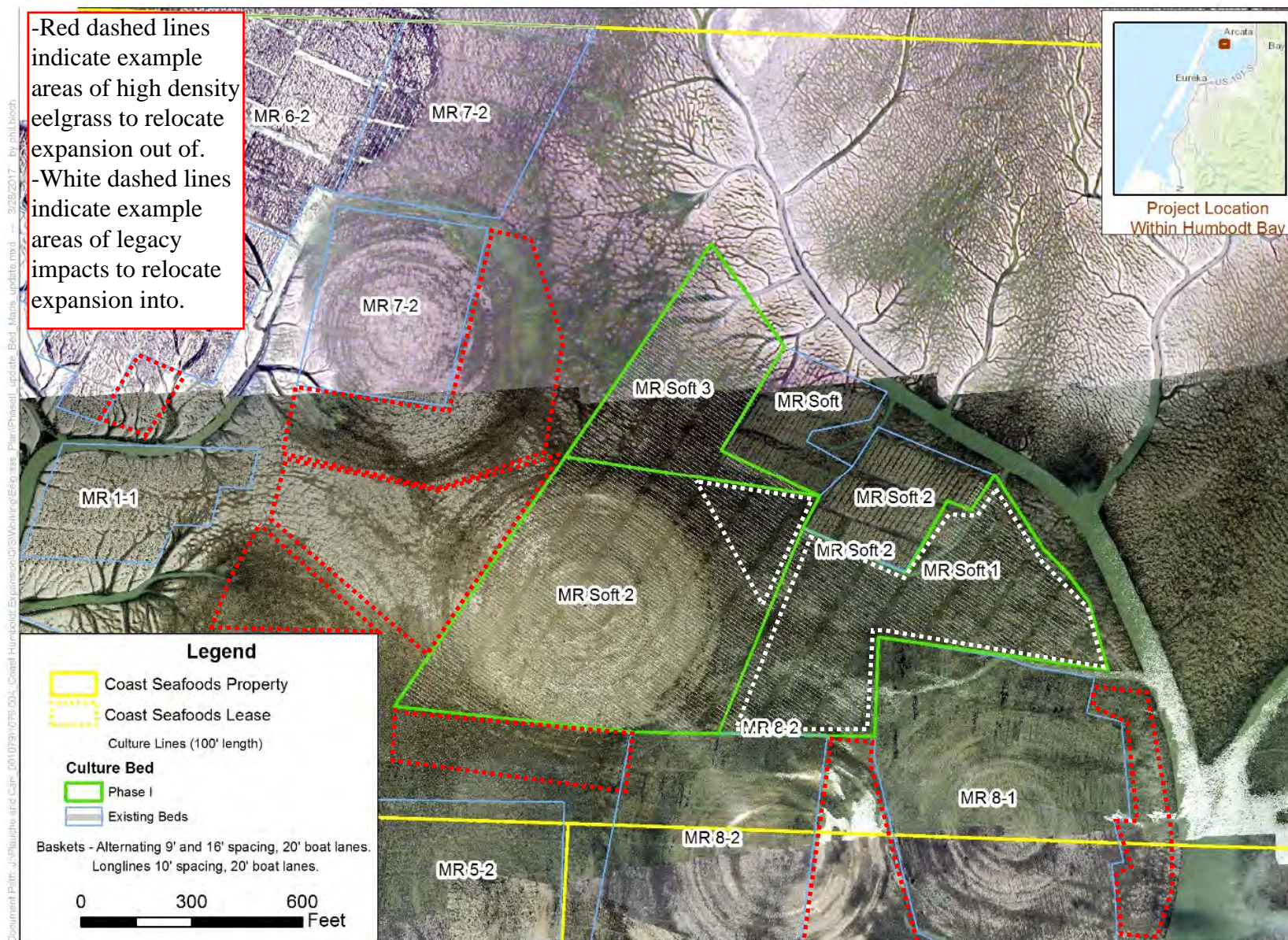
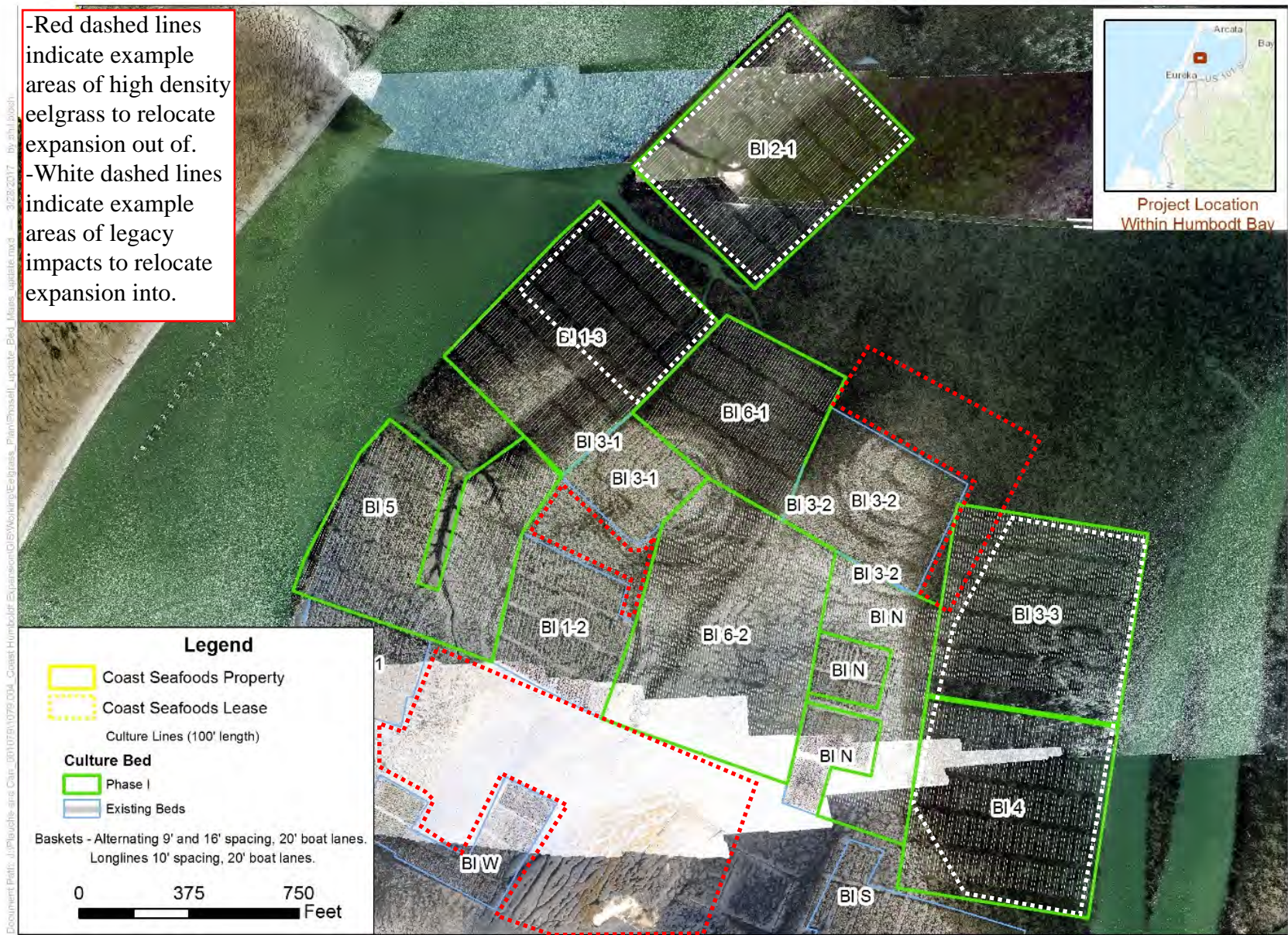


Figure A-1 Overview of Sample Plots within Treatment (Culture Beds) and Reference Areas

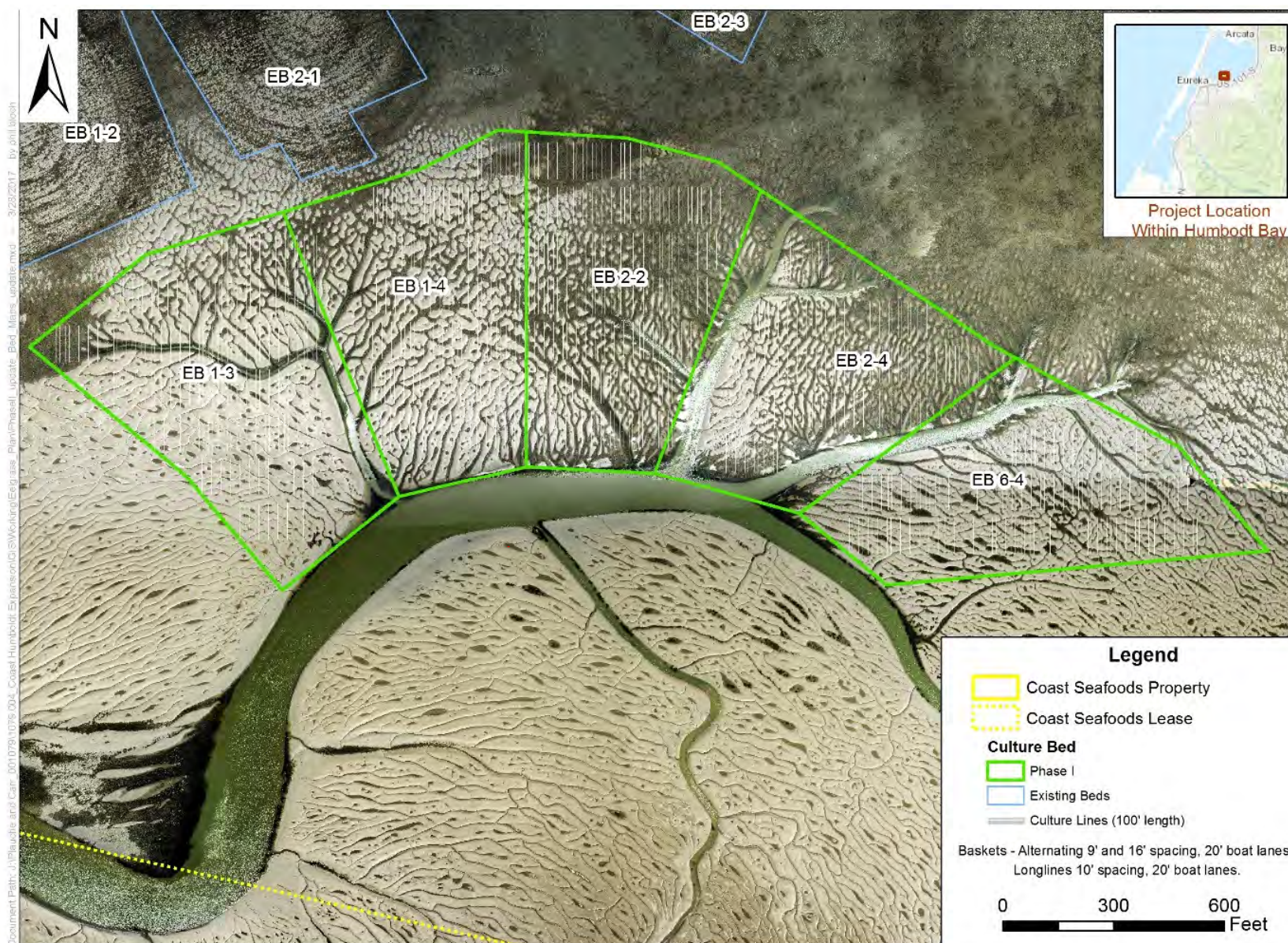


Map 1 Conceptual Layout of Phase I Cultch-on-Longlines in the Mad River Area

Conceptual Layout of Phase I Cultch-on-Longlines in the Mad River Area



Map 3 Conceptual Layout of Phase I Basket-on-Longlines in the Bird Island Area



Map 4

Conceptual Layout of Phase I Basket-on-Longlines to the southeast of the East Bay Management Area



Figure 6.5.28 Map of Humboldt Bay Depicting Potential Black Brant Grit Sites in South Bay and North Bay.

Exhibit 12

