

Workgroup 3: Adaptation and Remediation

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Strategy #1: Remediate low pH

...4 actions

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2. **Encourage experiments with algae co-culture** to condition water at hatcheries.
3. **Encourage field trials** of shellfish/seagrass (eelgrass) co-cultivation.
4. **Investigate biogeochemical effects of seaweed farming, and seaweed harvest** from natural areas or cultivated beds, as a potential remediation tool.

Strategy #2: Adapt to low pH

...4 actions

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- 5. Investigate potential to breed OA-resistant strains of shellfish and other vulnerable marine species.**

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6. **Investigate efficacy of water treatment strategies to protect larvae from corrosive seawater.**
7. **Continue water quality monitoring at six existing shellfish hatcheries and rearing areas.**

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- 6. Investigate efficacy of water treatment strategies to protect larvae from corrosive seawater.**
- 7. Continue water quality monitoring at six existing shellfish hatcheries and rearing areas.**
- 8. Expand collection of chemical and biological samples to all regional shellfish facilities. Deploy instruments at nurseries and remote settings to inform growers.**

Strategy #3: Develop acidification adaptation and management plans that address future environmental conditions

...3 actions

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- 9. Assess coastal shellfish growing estuaries and coastal lowlands** to identify areas that may have long-term potential for resilience against OA and other stressors.

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9. **Assess coastal shellfish growing estuaries and coastal lowlands** to identify areas that may have long-term potential for resilience against OA and other stressors.
10. **Rank potential future shellfish growing areas** by probability of success.
11. **Prioritize potential OA response actions according to expected performance** under *multiple* environmental scenarios

Strategy #4: Enhance resilience of populations (natural and agriculturally-significant species) and ecosystems

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15. Maintain eelgrass and restore kelp beds.

Strategy #5: Engage people through education in order to achieve changes in water quality and public behavior

...1 action

Strategy 5: Engage people through education...

16. Promote community-based programs to mitigate nutrient inputs (using shellfish and seaweeds).

Discussion