



**Bivalves in Kachemak Bay:
Applying Lessons Learned from Restoration Along the Pacific Coast**
Alaska Islands and Ocean Visitor Center, Homer, AK

AGENDA March 11-12, 2014

Tuesday, March 11

Time	Topic
8:30 am	Welcome, introduction & meeting objectives
9:00 am	Kachemak Bay oyster biological blueprint- <i>Ray RaLonde, Alaska SeaGrant</i>
9:30 am	History and perspectives of oyster mariculture in Kachemak Bay- <i>Steve Rykaczewski</i>
10:00 am	Kachemak Bay native bivalves: harvest reduction limits- <i>Carol Kerkvliet, Alaska Dept of Fish and Game</i>
10:15 am	Littleneck clams: life history and growth studies- <i>Angela Doroff, Kachemak Bay National Estuarine Research Reserve (NERR)</i>
10:45	Break
11:00 am	California oyster restoration in the face of climate change- <i>Matt Ferner, San Francisco Bay NERR</i>
11:30 am	Bringing the "Oly" oyster back to Oregon's Coos Bay- <i>Steve Rumrill, South Slough NERR</i>
12:00 pm	WORKING LUNCH
12:30 pm	Lightning Round: Participant updates on relevant research and local knowledge <ul style="list-style-type: none"> • Environmental conditions in Kachemak Bay- <i>Kris Holderied, NOAA Kasitsna Bay Labs</i> • Water quality monitoring- <i>Steve Baird, Kachemak Bay NERR</i> • Ocean circulation model and application to larval transport- <i>Angela Doroff, Kachemak Bay NERR</i> • Ocean acidification monitoring at Alutiiq Pride Shellfish Hatchery- <i>Ellen Tyler, Alaska Ocean Observing System</i> • Research and restoration efforts in Port Graham Bay- <i>Glenn Seaman, Seaman Consulting</i> • Clam research and monitoring by Seldovia Village Tribe – <i>Tracie Merrill, Seldovia Village Tribe</i>

1:30 pm	<p>Environmental conditions & stressors influencing bivalves</p> <p>Steve Rumrill (South Slough NERR), Ted Grosholz (Univ of California Davis), Brian Cheng (Univ of California Davis), Kris Holderied (NOAA Kasitsna Bay Labs), Jeff Hetrick (Alutiiq Pride Shellfish Hatchery)</p>
2:15 pm	<p>Facilitated group discussion: Identify lessons learned from NERRS restoration projects, and assess knowledge transferability and data gaps for Kachemak Bay</p> <ul style="list-style-type: none"> • Are there potential links from stressors identified in Pacific coast projects to oysters and native bivalves Kachemak Bay? • What are some of the data gaps or research needs to more closely identify these stressors?
3:00 pm	Break
3:15 pm	<p>Other factors influencing bivalve sustainability in Kachemak Bay -</p> <p>Steve Rumrill (South Slough NERR), Ted Grosholz (Univ of California Davis), Angela Doroff (Kachemak Bay NERR), Ray RaLonde (SeaGrant), Cynthia Pringham (Alaska Dept of Fish and Game, Mariculture Coordinator)</p>
4:00 pm	<p>Facilitated group discussion: Identify lessons learned from NERRS restoration projects, and assess knowledge transferability and data gaps for Kachemak Bay.</p> <ul style="list-style-type: none"> • Are there potential knowledge links from stressors identified in Pacific Coast projects to oysters and native bivalves Kachemak Bay? (e.g. would some of the same stressors apply in Kachemak Bay) • What are some of the data gaps or research needs to more closely identify these stressors?
4:45 pm	Wrap-up & adjourn

Wednesday, March 12

Time	Topic
8:30 am	Welcome back & objectives
8:45 am	Panel: Building collaborations and partnerships Matt Ferner (San Francisco Bay NERR), Steve Rumrill (South Slough NERR), Ted Grosholz (University of California Davis), Ray RaLonde (SeaGrant), Cynthia Pringham (Alaska Dept of Fish and Game, Mariculture Coordinator)
9:30 am	Facilitated group discussion: Opportunities for identifying and sharing resources to enhance regional collaboration <ul style="list-style-type: none">• What networks currently exist locally or regionally?• What are the limitations to current collaborations?• How could limitations be overcome?• What are upcoming opportunities that could be maximized for Kachemak Bay?
10:15 am	Break
10:30 am	Panel: Restoration efforts and planning in Alaska Jeff Hetrick (Alutiiq Pride Hatcher), Ray RaLonde (Alaska SeaGrant), Glenn Seaman (Seaman Consulting)
11:15 am	Facilitated group discussion: Address challenges and opportunities for restoration planning in Kachemak <ul style="list-style-type: none">• Based on research updates provided, are there new approaches identified that may contribute towards restoration planning?• What are some the challenges to adopting such an approach?
12:00 pm	LUNCH
1:00 pm	Panel: Monitoring and restoration planning tools used by Pacific Coast National Estuarine Research Reserve System (NERRS) projects Matt Ferner (San Francisco Bay NERR), Steve Rumrill (South Slough NERR), Ted Grosholz (Univ of California Davis), Brian Cheng (Univ of California Davis)
1:30 pm	Group discussion: Relevance of tools to Kachemak Bay oyster and native bivalves communities, and opportunities for further development <ul style="list-style-type: none">• What tools currently exist and are being utilized in Kachemak Bay?• What information is missing from these tools?• What are desired tools or product development? Are these realistic and at what time scales?
2:15 pm	Group activity: Identifying specific research and monitoring priorities, activities, and resource needed for oyster population sustainability and native bivalve restoration planning
4:00 pm	Facilitated group discussion: Identifying next steps that can be taken to make progress on the priorities identified, and actions to continue developing collaborations and pursuing funding
4:45 pm	Wrap-up and adjourn