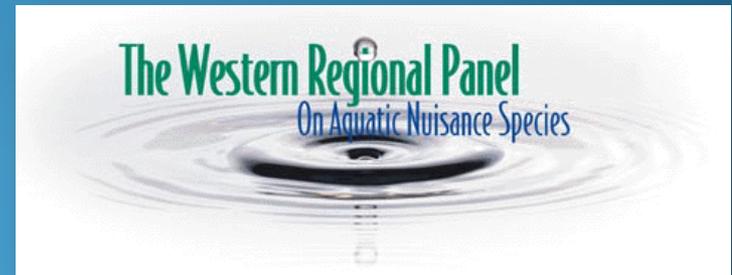


Tunicate Workshop

Western Regional Panel on ANS
Coastal Committee



WRP Recommendations to ANSTF

- Fall 2013
 - Support a Pacific states tunicate workshop to identify management and research needs across the region.
- Spring 2014
 - Solidify fiscal and in-kind support of a Pacific states tunicate workshop to identify management and research needs across the region.

Workshop Details



- August 6, 2014 8:30am–5:00pm
August 7, 2014 8:30am–2:00pm
- Location: Double Tree by Hilton Hotel Seattle Airport
- 28 participants in workshop
 - WRP Coastal committee members from the Pacific Northwest, Southwest, Hawaii and Alaska assembled lead managers, researchers and stakeholders.

Funding the Workshop



Description	Amount
University of California - San Diego	\$3,000.00
Oregon State University	\$2,000.00
Washington Sea Grant	\$2,000.00
Taylor Shellfish	\$1,500.00
Pacific States Marine Fisheries Commission	\$1,000.00
Portland State University	\$500.00
Washington State Dept. of Wildlife	\$500.00
TOTAL:	\$10,500.00

Workshop Goals

- Discuss the environmental and economic risks posed by non-native tunicates.
- Share information, efforts, issues, successes and challenges.
- Identify management options, research needs and funding priorities.
- Determine if a regional management plan is needed, and if so, create an action plan to inform scoping and development.

Workshop Content - Presentations

- The state of the science
 - Tunicate biology and ecology
 - Distribution
 - Vectors
 - Impacts
 - Current research.
- The impacts of invasive tunicates on mariculture operations.
- Tunicate eradication successes and failures in Washington.
- State/Province management of tunicates, including history, status, future plans, successes, level of risk assessments, and risk assessment methodology.
- The elements of a Pacific Northwest fouling management plan.



Workshop Content

- Break Out Sessions
 - Risk assessments
 - Funding
 - Management options
 - Research needs
 - Collaboration
 - Regional planning
- Case studies – Alaska, Washington, Oregon, British Columbia
 - key management elements
 - focus on lessons learned to inform future management scenarios.



Workshop Results

- New Relationships
- Shared Learning – Common Knowledge
- Coordinated Management and EDRR
- Final Report Published – September 3, 2014
- Coastal Committee reported at WRP/GSARP Annual Meeting – September 17, 2014
- Convening relevant entities to scope the development of a regional management plan is underway.



Elements of a Western Regional Marine Invasive Species Plan

- Overview of current knowledge on vector-related biofouling in region
- Assessment of regional vectors
- Information gaps and research needs
- Management
 - Review of current management plans in and beyond the region
 - Management strategies
- Outreach and Inreach strategies
- Policy and regulatory frameworks
- Impacts of marine invasives (economic, environmental, social)
- Funding/Budget
- Monitoring
- Collaboration opportunities





Western Regional Marine Invasive Species Management Plan

Next steps:

- Scope – to be determined over the next 6 months
- Coordinate with Cat de Rivera's 'Regional Fouling Management Plan' Project at PSU
- Pacific States Marine Fisheries Commission will support convening stakeholders during the scoping process.
- A benefit of this plan – it provides options for regional management activities and to leverage funds.

Thank you!

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