



PMEP Spatial Data Products & Tools for Data Sharing  
Presentation & Demo  
NFHP Coordinators Workshop  
October 15, 2018

Kate Sherman (PSMFC)

# Supporting the Strategic Framework

PMEP's spatial data system is designed to help the partnership characterize the range of habitats and conditions within its geographic scope in support of the strategic framework.

The data system will be used to help update and refine the partnership's strategy for the next five years.



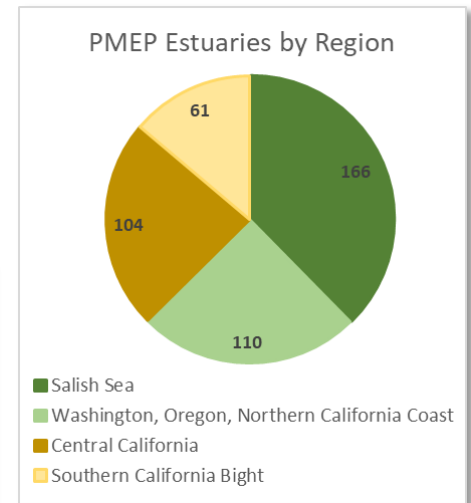
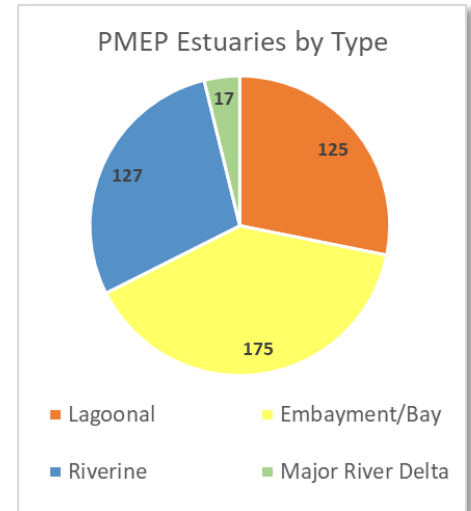
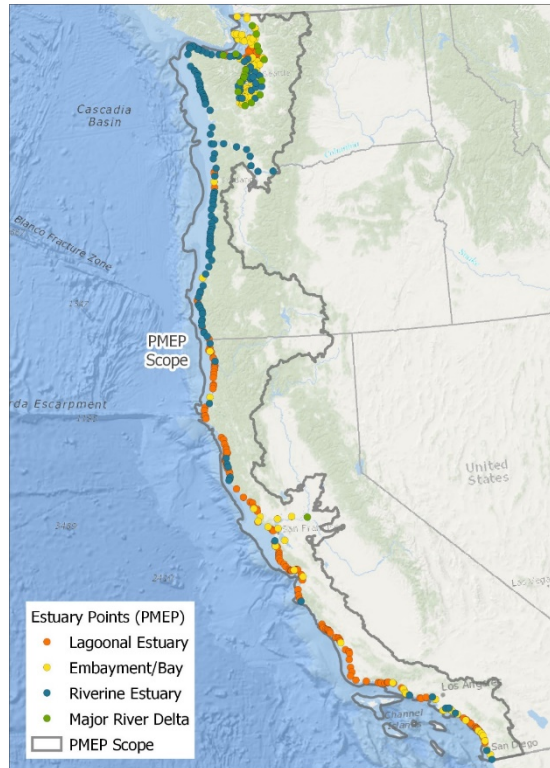
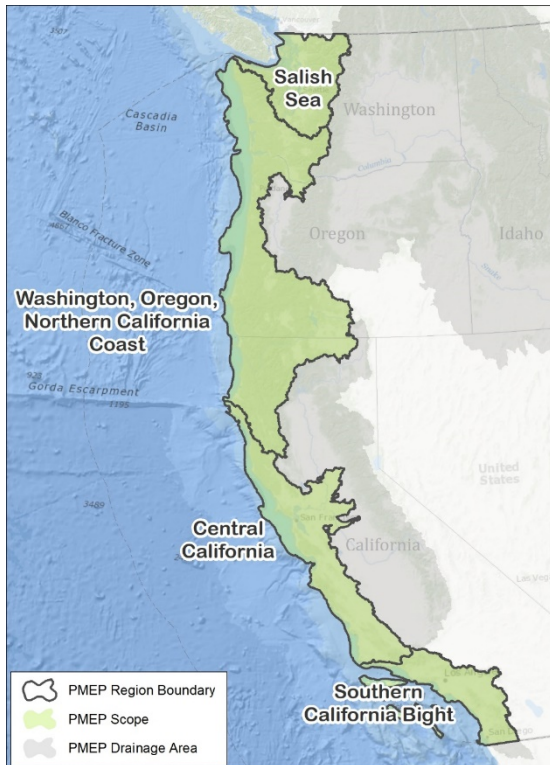
Pacific Marine and Estuarine Fish Habitat Partnership  
Strategic Plan 2018-2022



*PMEP's mission is to provide science, data, and funding to conserve and restore West Coast nearshore and estuarine fish habitat.*



# PMEP's Spatial Data System 444 Estuaries Mapped



# Estuary ID's link to all efforts

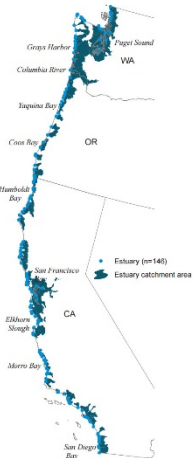
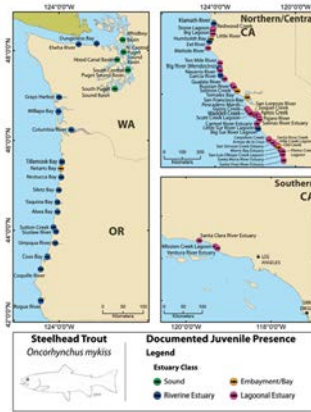
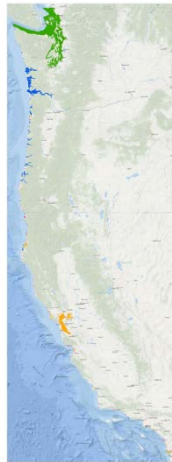


Figure 1-1: Distribution of estuaries included in the West Coast Estuary Assessment

## AN INVENTORY AND CLASSIFICATION OF U.S. WEST COAST ESTUARIES

Walter N. Heady<sup>1</sup>, Kevin O'Connor<sup>2</sup>, Jennifer Kasakian<sup>1</sup>, Kate Dorron<sup>1</sup>, Charles Endris<sup>1</sup>, Daniel Hodgson<sup>1</sup>, Ross P. Clark<sup>1</sup>, Jena Carter<sup>1</sup>, and Mary G. Gleason<sup>1</sup>

<sup>1</sup>The Nature Conservancy, <sup>2</sup>Central Coast Wetlands Group (CCWG), <sup>3</sup>Industrial Economics Inc. (IEC)



## A National Assessment of Stressors to Estuarine Fish Habitats in the Contiguous USA

Corrigh M. Greene - Kristian Blackhart - Joe Naher - Allison Caudino - David Moe Nelson

Received: 21 November 2013 / Revised: 3 June 2014 / Accepted: 27 June 2014  
© Coastal and Estuarine Research Federation inside the USA 2014

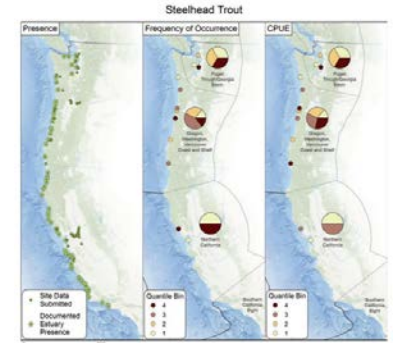
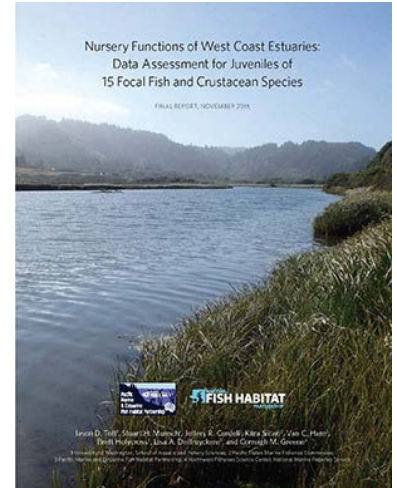
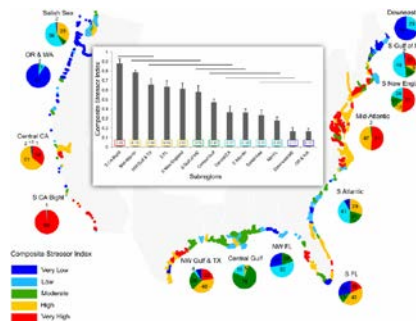
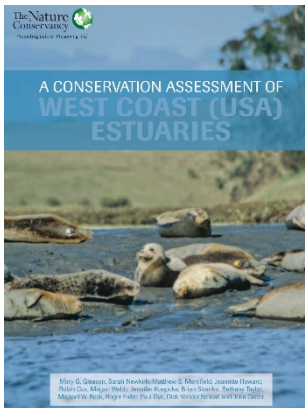
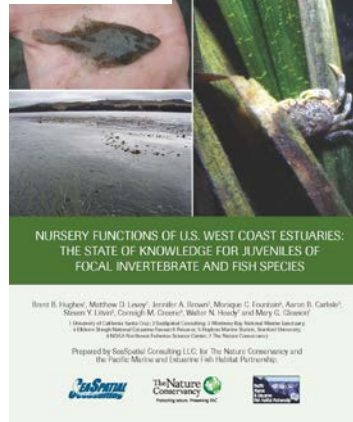


FIGURE 15. Maps of juvenile steelhead trout presence, frequency of occurrence, and catch per unit effort (CPUE). The maps of presence represent all years from 2001 to 2010 for which data were submitted for this report, as well as estuaries with data representing frequencies of occurrence of 2010. Average frequency of occurrence (8 samples per year) and CPUE were calculated using beach sector data from the years 2001-2010, using only months that qualified as present (see Methods section for details on the criteria used to qualify as present). Estuaries with data that had sampling events were not included. Averages for each estuary were treated into quartiles (quartiles 1-4, low to high, respectively) to facilitate present low to high status, and summarized into six bins for each estuary.



2011



2014



2015



# PMEP's Spatial Data Products



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## Data Products

Home > Data Products

## Applications



PMEP West Coast Estuary Viewer

This map viewer highlights spatial data products developed by PMEP to characterize habitats and synthesize information in support of habitat conservation and restoration goal setting. Most of the data presented in this viewer are available for download below.



PMEP Estuaries Explorer

This application is useful for quickly comparing estuaries to each other along the coastlines of Washington, Oregon, and California. Using dynamic filters and an interactive map you can find estuaries that meet specific criteria; or estuaries that provide habitat for focal species of interest to you.

## Spatial Data



### West Coast USA Current and Historical Estuary Extent

This layer represents the current and historical tidal wetlands, or estuary extent, for the West Coast of the contiguous United States.



### PMEP Estuary Points

This layer represents estuaries, as points, in the Pacific Marine and Estuarine Fish Habitat Partnership's (PMEP) spatial data system.



### West Coast USA Estuarine Biotic Habitat

These data represent the Biotic Component (BC) of the Coastal and Marine Ecological Classification Standard (CMECS) for estuaries of the West Coast of the contiguous United States.

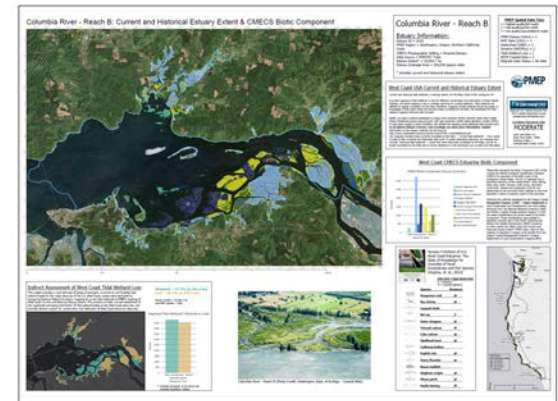


### Indirect Assessment of West Coast USA Tidal Wetland Loss

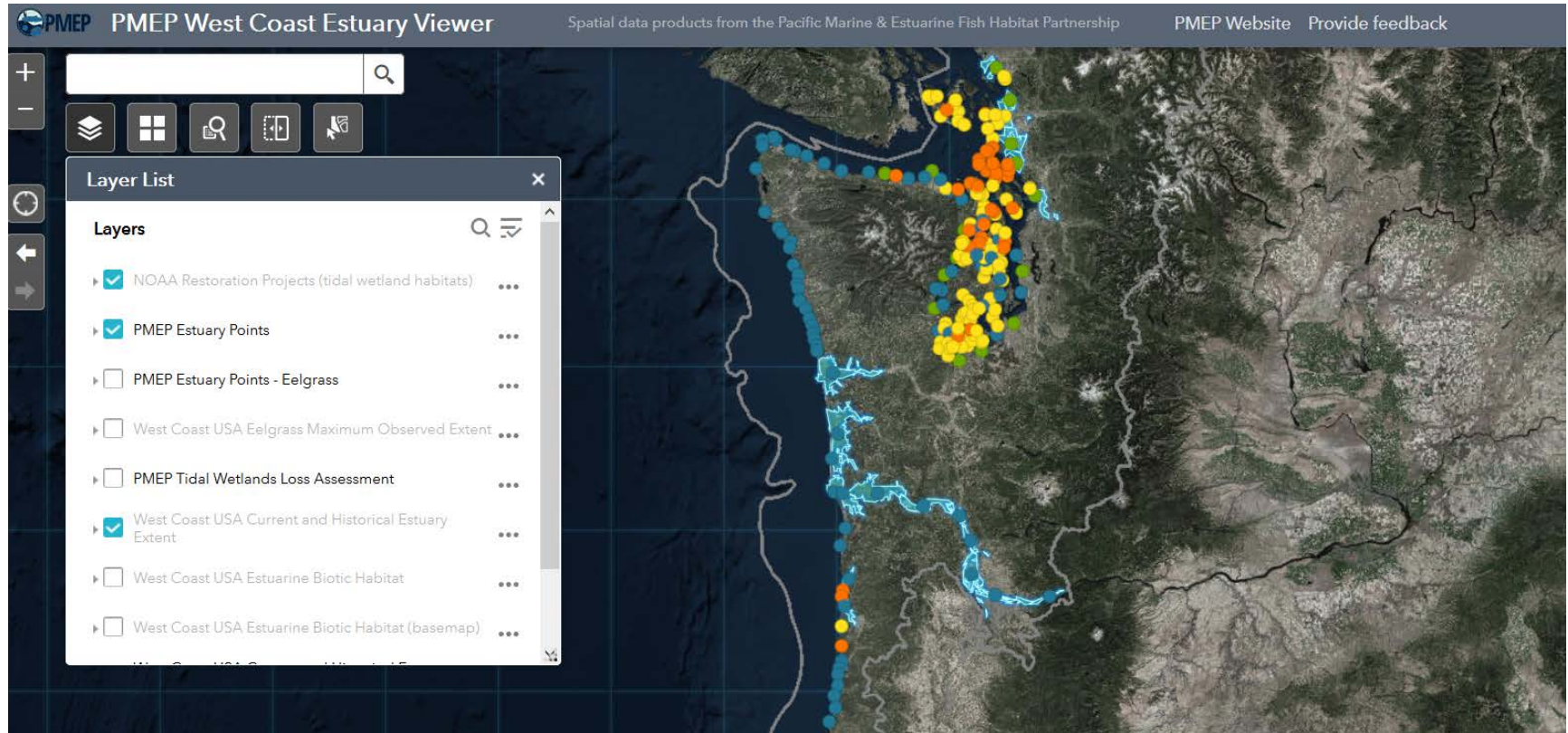
This map layer provides an indirect estimate of emergent, scrub-shrub and forested tidal wetland losses for 55 estuaries spanning the contiguous United States West Coast.

## Also available via:

- [ArcGIS Online](#) & ArcGIS "Living Atlas"  ArcGIS Online
- [West Coast Estuary Explorer](#)   Conservation Biology Institute
- [Data Basin](#)  DATA BASIN
- [MarineCadastre](#)  NOAA
- Coming Soon:
  - [West Coast Ocean Data Portal](#) 

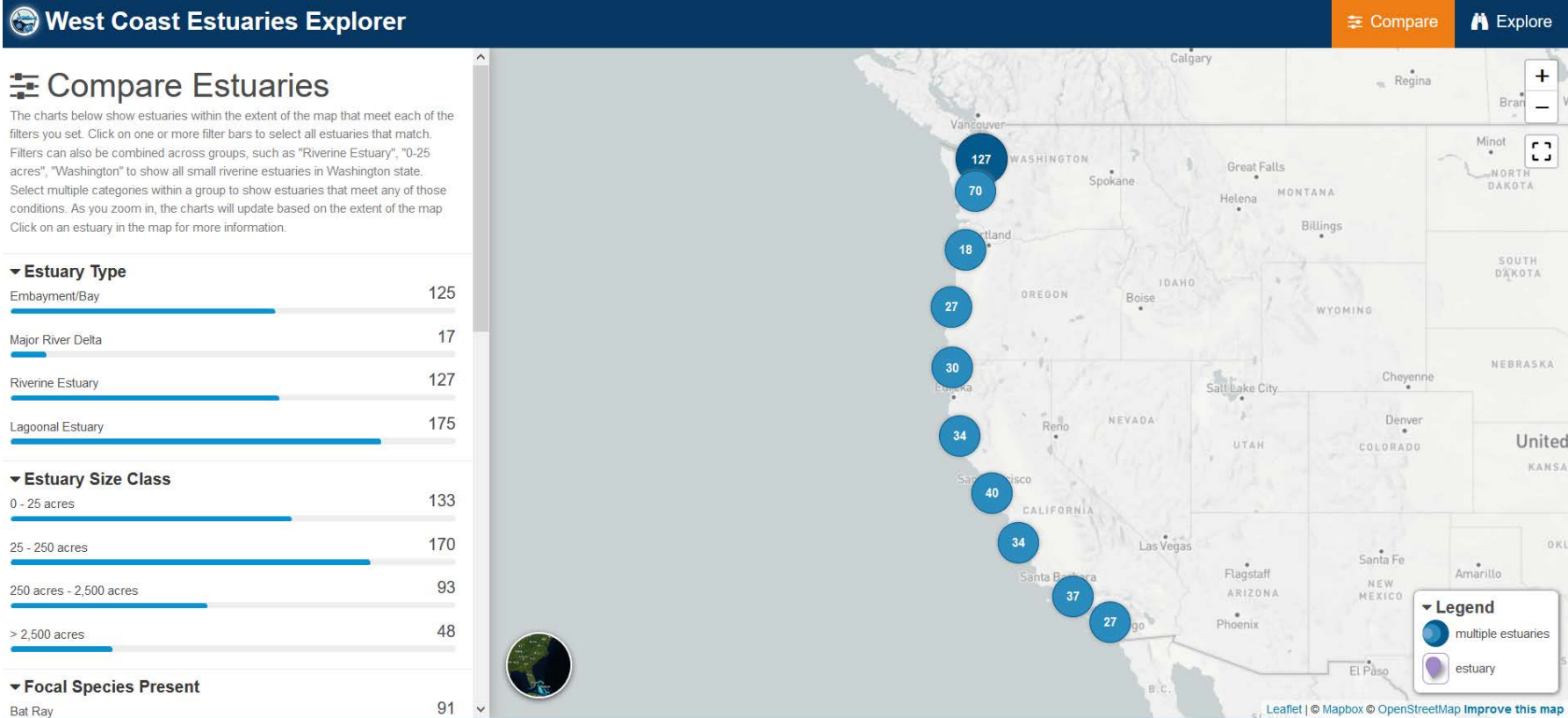


# PMEP Data Viewer



<http://www.pacificfishhabitat.org/data/>

# PMEP Estuaries Explorer



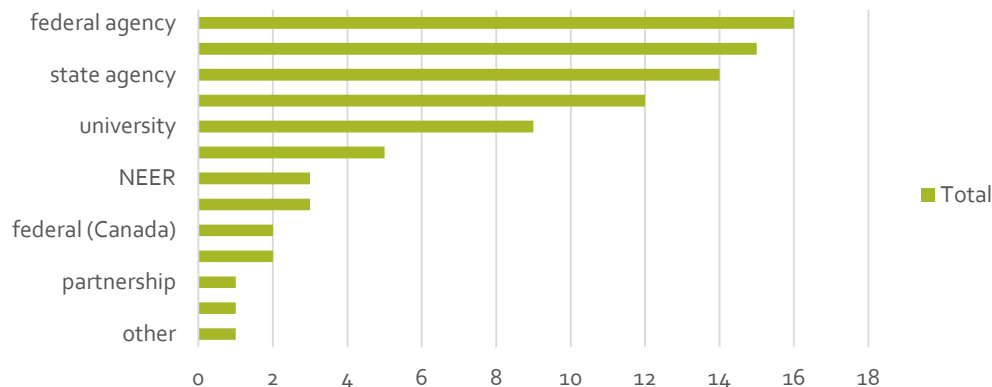
<http://pmep.apps.nplcc.databasin.org/>



# Lessons Learned

- One step at a time
- Choose tools that allow for flexibility
- Maintain links to information on prior efforts
- Follow priorities and fill data gaps
- Data require maintenance and updates (build into proposals)
- Identify users of data

Total Downloads by Organization Type (n = 84)







# QUESTIONS?

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