

**The Inventory of existing West Coast OAH monitoring assets**

In 2016, the *Joint OAH Monitoring Task Force* of the Pacific Coast Collaborative (PCC) and federal Interagency Working Group on Ocean Acidification (IWG-OA), embarked on an undertaking to inventory the OAH monitoring infrastructure on the West Coast from California through Alaska. The intention was to compile the foundational information for a gaps analysis - a comprehensive list of OAH-relevant field research and monitoring efforts representing the current chemical, physical, and biological monitoring efforts all along the coast - to ultimately inform the design of a West Coast Integrated OAH Monitoring network and the subsequent strategic monitoring investments required to build it.

To collect this information the PCC and the IWG-OA called on the monitoring and research communities of the West Coast states, the province of British Columbia, and the state of Alaska, to contribute information to the inventory and help capture monitoring efforts that inform trends in OAH or its impacts on organisms or ecosystems. From the monitoring and research communities' responses and participation the inventory now contains records from over 125 participants describing over 200 projects along the West Coast ranging from the Arctic to Baja California, and everywhere in between.

## West Coast OAH Monitoring Assets

24  
Cruises  
&  
Gliders



14  
Survey  
Areas

1925  
Cruise  
Stations

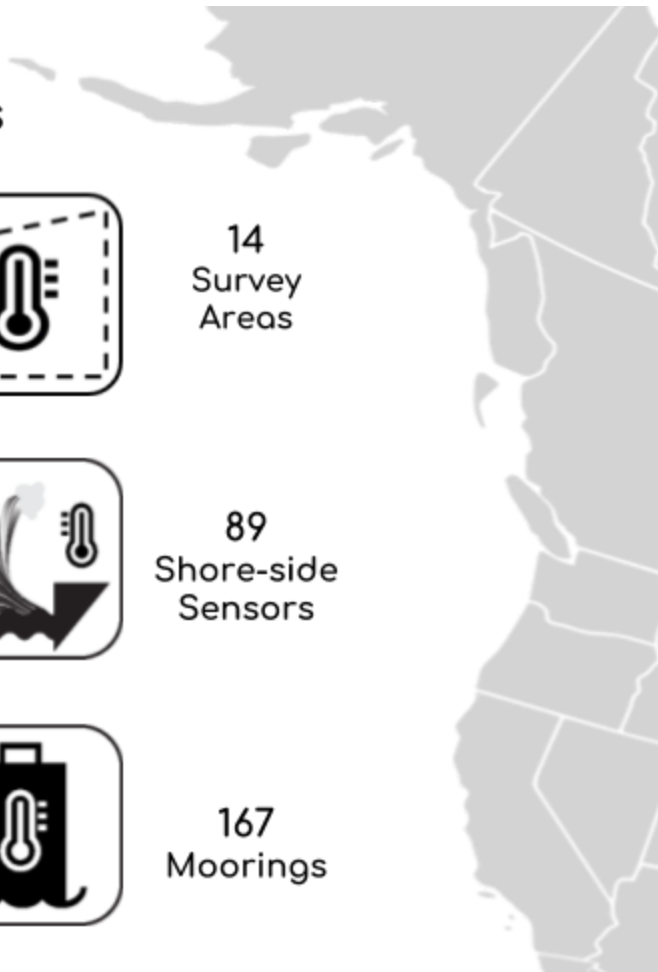


89  
Shore-side  
Sensors

1712  
Sample  
Sites



167  
Moorings



While data collection for the inventory is complete, the *Joint OAH Monitoring Task Force* is reviewing the information that was collected with participants before it is distributed more widely. A final inventory product is on track for public release by Summer 2018. A non-final web map of the *West Coast OAH Monitoring Inventory* can be viewed at this URL:

<http://geo.maps.arcgis.com/apps/webappviewer/index.html?id=a8b5c0ecfbe7451e950def767c55335>  
[e](#)

Ways the West Coast OAH Monitoring Inventory has already been useful in decision-making processes:

- successful pursuit of grant funding to establish a new monitoring site in Tillamook Bay, Oregon.
- engaging with decision-makers about the prioritization of nearshore resources and establishing information needs
- providing the basis for the future systematic gaps analysis for the West Coast and Alaska to evaluate monitoring needs for the West Coast/Alaska monitoring network.

In addition to nearing the completion of the Inventory Summer 2018, the *Joint OAH Monitoring Task Force* is exploring multiple different options to host and maintain a continually supported and updated inventory dataset. The initial vision to have a decision-making tool that integrates information about OAH-relevant projects across multiple spatial and temporal scales is nearly in focus. Beyond that initial vision, the *Joint OAH Monitoring Task Force* is dedicated to ensuring that the West Coast has a living record of OAH Monitoring a research to continual inform investment, response, and research on this widespread issue.

### Next Steps

At subsequent stages, we will convene managers and decision-makers to identify information needs, jointly meeting with monitoring experts, to conduct a gaps assessment and prioritize those gaps to inform future research and monitoring investment. The ultimate goal is to rigorously document trends in key climate and ocean acidification metrics, and to empower managers to implement adaptation and mitigation strategies.

**For more information, please contact the Task Force Coordinating Committee:**



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