

OLYMPIC COAST  
NATIONAL MARINE SANCTUARY  
DRAFT Meeting Minutes

OCNMS Advisory Council Meeting  
March 20, 2015

Olympic Natural Resources Center  
Forks, WA

Olympic Coast National Marine Sanctuary  
NOAA, Office of National Marine Sanctuaries  
115 E. Railroad Avenue, Suite 301  
Port Angeles, WA 98362-2925

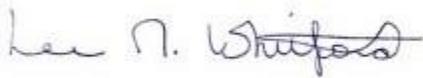
Reviewed by OCNMS Superintendent:



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Carol Bernthal, Superintendent

Approved by AC Chair:



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Lee Whitford, Chair

**Advisory Council (AC) Members/Alternates in Attendance:** Lee Whitford (Education, Chair), Heather Reed (WDFW, Vice-Chair), George Hart (US Navy, Secretary), Bob Boekelheide (Citizen at Large), Roy Morris (Citizen at Large Alternate), Melissa Williams (Education Alternate), John Veentjer (Marine Industry), Jan Newton (Research), Jodie Toft (Conservation), Lora Leschner (Conservation Alternate), Joel Kawahara (Commercial Fishing), Rich Osborne (Marine Resources Committee), Casey Dennehy (Marine Resources Committee Alternate), Jessi Doerpinghaus (WDFW Alternate), Jennifer Hennessey (WDOE), Christopher Krembs (WDOE), Katrina Lassiter (WDNR), Jennifer Hagen (Quileute Tribe), Jennifer Brown-Scott (USFWS), John Stadler (NOAA-NMFS)

**Presenters and Members of the Public in Attendance:** Frank Hanson (ONRC), Gus Gates (Surfrider Foundation)

**NOAA/OCNMS Staff in Attendance:** Carol Bernthal, George Galasso, Kevin Grant, Karlyn Langjahr (OCNMS)

Frank Hanson of Olympic Natural Resources Center (ONRC) welcomed everyone to the meeting in Forks. Frank leads the Education and Outreach program at ONRC which includes the “Evening Talks” series. He announced that new ONRC Director, Dr. Bernard Bormann, would start April 1<sup>st</sup>. Dr. Bormann brings 34 years of experience with the U.S. Forest Service and professorship at Oregon State University. Dr. Bormann is a forest physiologist and will be looking at adaptive management and legislative aspects of ONRC’s duties. Chair Lee Whitford then welcomed everyone to the March meeting and reminded everyone of the Advisory Council’s purpose and scope per AC Charter.

**Adopt Agenda** – The draft agenda was adopted without changes *with full AC consensus.*

#### **Internal Affairs:**

**Approval of January 2015 AC Meeting Minutes** – There were no proposed edits or changes to the meeting minutes. *Joel Kawahara motioned to approve the meeting minutes without changes and Bob Boekelheide seconded. There was no further discussion and motion passed by full AC member consensus.*

**Announcement on Conservation, Tourism/Economic Development and Marine Industry Seat Selection**– Lee shared that the AC Executive Committee reappointed John Veentjer and Frank Holmes as Marine Industry seats (primary and alternate, respective), for another three-year term. Les Bolton was appointed Tourism/Economic Development primary, having served in the alternate for several years. Jodie Toft of The Nature Conservancy (TNC) is the new Conservation primary representative. She is Senior Marine Ecologist with TNC and replaced Eric Delvin. She is from Washington State and obtained her Ph.D. from UW’s School of Aquatic and Fishery Sciences. Additionally two new state agency Alternates have recently been appointed. Dr. Christopher Krembs is the new WDOE Alternate and is Senior Oceanographer. A biological oceanographer by discipline, Christopher has been with WDOE since 2008 after years working in the Baltic and Arctic Seas. He is leading the Marine Monitoring Unit for WDOE. Josh Peters is

the new WDNR Alternate and is the Aquatic District Manager for the north end of the peninsula. He was unable to attend this meeting, but Katrina Lassiter spoke of his background in environmental and transportation planning and experience working in Jefferson and King Counties.

**Recruitment for Tourism/Economic Development Alternate Seat** – Carol announced that OCNMS is still in the process of recruiting for the Tourism/Economic Development alternate seat. OCNMS has reached out to networks in Olympic Peninsula Tourism Commission, regional Chambers of Commerce and other relevant contacts.

**Follow up on January Resolution Letters**– Carol shared that all three resolution letters were submitted and Carol received acknowledgement letters from ONMS Director Dan Basta. Regarding the recommendation for placement of an educational kiosk, OCNMS approached both Kalaloch Lodge and Forks Visitor Center, the top two sites identified by the Kiosk Subcommittee. Both are very interested but are trying to resolve the internet access and connection issues. OCNMS will work on developing site specific content for the kiosks, with the hope of installation in late summer or early fall. (An additional kiosk has already been installed at Seattle’s Pacific Science Center). Carol is working with Dan Basta to forward the support letter for IPC’s Habitat Framework to other branches of NOAA that could be involved in advancing Habitat Framework efforts and identifying potential resources. Thirdly, the Youth Seat Subcommittee did not recommend a Youth Seat on the council, so Dan asked that OCNMS keep engaging youth through other education programs, which OCNMS is fully committed to. All three resolution letters can be found online at:  
[http://olympiccoast.noaa.gov/involved/sac/sac\\_actions.html](http://olympiccoast.noaa.gov/involved/sac/sac_actions.html).

### **Information Items:**

**Oceanographic Monitoring Group Resolution** – Jan Newton, Chair for the Oceanographic Monitoring Group (OMG), referred council members to the draft final report and resolution language for a recommendation letter, both of which can be found online at:  
[http://olympiccoast.noaa.gov/involved/sac/omg\\_resolution\\_language\\_finaldraft\\_3\\_20\\_15.pdf](http://olympiccoast.noaa.gov/involved/sac/omg_resolution_language_finaldraft_3_20_15.pdf)  
and [http://olympiccoast.noaa.gov/involved/sac/omg\\_resolution\\_language\\_draft\\_3\\_20\\_15.pdf](http://olympiccoast.noaa.gov/involved/sac/omg_resolution_language_draft_3_20_15.pdf).  
The group’s task was to assess the most effective and efficient deployment of sanctuary mooring arrays with an overall goal of maximizing the efficiency of the OCNMS moorings program for its upcoming and future field seasons. OMG member discussed key locations and monitoring parameters for the sanctuary mooring program relative to different budget scenarios.

Regarding the location, they recommended the sanctuary maintain the time series at various longitudes to allow for long-term comparisons and trends. Deeper moorings for all transects should remain and southern moorings should prioritize a 15m depth to capture potential hypoxic conditions. Prioritized monitoring parameters included temperature, salinity and dissolved oxygen because of the ability to estimate aragonite saturation, which can be used a proxy for ocean acidification. If OCNMS funding were to increase, OMG recommended

acquiring better sensors and to support more staff time to analyze, share and publish the data faster. They also discussed the placement of an available current meter and determined it should be placed in the southern sanctuary to capture hypoxia events.

Discussions included costs and time frame for development of more advance ocean acidification sensors, harmful algal bloom monitoring off Cha'ba buoy, limitations of *R/V Tatoosh*, annual cycle of deployment and the addition of a winter moorings. Suggestions included identifying assets to make partnerships more feasible and as well as employing the commercial fishing fleet as a way to build stewardship and increase science power of data collection. The group recognized that they are already maximizing collaborations in the region. ***Joel Kawahara motioned to approve and adopt the Oceanographic Monitoring Group's final report and resolution language with no changes and Roy Morris seconded the motion. There was no further discussion and motion passed by full AC member consensus.***

**WA Coastal Recreational User Study** – Gus Gates, Washington Policy Manager for Surfrider Foundation, presented on the Washington Coastal Recreational Use Survey Study. Surfrider worked in partnership with Point97, state agencies, Marine Resource Committees, stakeholders, and OCNMS on the Recreational Use Survey. The project is part of a larger statewide effort in Marine Spatial Planning (MSP) to ensure a resilient and healthy coastal marine ecosystem to support sustainable economic, recreational, cultural opportunities for coastal communities now and into the future. The Washington Coastal Marine Advisory Council (WCMAC) was tasked by the Governor to advise the state on MSP efforts, and is comprised of a diverse group of representatives. This study will provide geospatial information on recreational use, number of people recreating, and an estimate of the economic contribution of recreation to communities on Washington's outer coast. Data was collected via an opt-in online survey open to the public as well as a panel survey. NOAA's role included ONMS and National Center for Coastal Ocean Science (NCCOS) staff collaboration by contributing spatial use by activity, spending and demographic profile of users.

Preliminary results show participation over the last year (12 months) compared to the most recent trip and primary activity as the motivating reason for recreation to the Washington coast. The three most popular recreational activities among Washington residents were: 1) beach going, 2) sightseeing/scenic enjoyment, and 3) shoreline bird/wildlife watching. These results were taken from a sample size of approximately 8,000 people.

Opt-in responses depicting geographic hot spots showed higher use at the following locations: Long Beach, Westport, Ocean Shores, La Push, Neah Bay, Tatoosh Island and in the Strait of Juan de Fuca. Results for activities include land-based, coastal and off-shore sites. Panel results for geographic distribution of recreational activities show higher use at Long Beach and Ocean Shores with less activity in locations such as La Push, Neah Bay and the Strait. However, when filtering wildlife and sight-seeing activities places such as La Push and Neah Bay show more use. Initial results from panel survey of economic impact show that most money is spent on lodge/campsite fees (23%), food/beverages at restaurant/bar (21%), vehicle fuel (20%), and food/beverages bought at a store (12%). The report will be distributed when finalized, target

completion is late June. For more information visit: [washington.surfrider.org/rus](http://washington.surfrider.org/rus) or [www.msp.wa.gov](http://www.msp.wa.gov). Gus's presentation can be accessed online at: [http://olympiccoast.noaa.gov/involved/sac/present\\_coastalrecreation\\_gusgates\\_2015.pdf](http://olympiccoast.noaa.gov/involved/sac/present_coastalrecreation_gusgates_2015.pdf).

**WDOE Eyes Over Puget Sound Program** – Christopher Krembs, WDOE, delivered an overview of Eyes Over Puget Sound (EOPS), a monthly marine monitoring report developed to improve WDOE's visibility. EOPS evolved from the restructuring of WDOE's internal operations under low budget scenarios. The marine monitoring unit is comprised of 7 staff (and shares 2 others) and samples 27 stations between Olympia and the Canadian border on a monthly basis using a seaplane. Physical, chemical and bio-optical variables are sampled to look at long-term trends in eutrophication and water quality in the context of climate variability. Platforms of opportunity include sensors on the Victoria Clipper ferry and moorings.

While there are many strengths of undertaking long-term monitoring, challenges include competition with short-term trending studies, funding and staff inconsistencies, changes in methods and technology, wide range of temporal and spatial scales, lack of standardized or consistent data and trade-offs between measurements and impacts. WDOE uses data to create stories that reach and inspire people who advocate for the value of the program. The monthly report produced targets a general public audience; it is free, image-rich and sparse on text, driven by headline-style information and produced within 2 days of data collection so for a quicker flow of information.

Over time the visibility of the program increased due to its engaging style, accessibility and collaborative nature and regularity of productions. The title page of EOPS report attracts the public with a large, appealing photo using multiple perspectives in time and space and on a scale that people identify with. It is essentially free education for everyone to become informed about their backyard marine environment. Information is organized for those wanting just the big picture and immediate update, to those interested in the details and in a broader historical context. Observations are provided from various vantage points spatially and inspire readers with attractive images, even while sharing current environmental issues and challenges. By publishing each monthly report online as a PDF document, EOPS provides a "time capsule" of the present conditions.

Starting in 2011, interest in EOPS has increased substantially with over 600 subscribers to the listserve and over 2 million downloads of the reports. List-serve subscribers consist of users from education (27%), government (26%), commercial/community (20%) and organizations (12%). The information gathered from this process is also useful for decision making.

Creating a story that combines quality control routines with environmental conditions is more effective, results in better data, provides a bigger picture perspective, decreases error propagation and prevents data backlogs. Formulating baselines while focusing on anomalies helps communicate the diversity of the region on temporal and spatial scales and addresses the question of how to take representative samples in such a patchy environment. Over time

WDOE hopes to capture enough data to be able to compare years to see where and when certain features occur.

EOPS reports includes following: a personal field blog, climate conditions, the water column results, mooring buoy data, aerial photography and ferry/satellite. Graphics are added to depict scientific processes or hypotheses to explain to the public what could be happening in the water. Christopher showed a EOP post, pointing out features seen from an aerial perspective such as oil sheens, jellyfish and plankton blooms, sediment plumes, commercial shellfish harvests, eddies, fronts and more. He noted that monitoring instruments were added to the Victoria Clipper ferry in May 2010 to sample water quality indicators approximately 3 times a day including phytoplankton, turbidity, sea surface temperature, river water and salinity.

Overall EOPS increases environmental focus, engages more people, provides better information and makes WDOE employees more effective. The website for EOPS can be found at [http://www.ecy.wa.gov/programs/eap/mar\\_wat/surface.html](http://www.ecy.wa.gov/programs/eap/mar_wat/surface.html) and Christopher's presentation can be found online at: [http://olympiccoast.noaa.gov/involved/sac/present\\_eyes\\_over\\_pugetsound.pdf](http://olympiccoast.noaa.gov/involved/sac/present_eyes_over_pugetsound.pdf)

**Climate Change Action Plan for OCNMS Management Plan Implementation** – Lee Whitford reminded the council that the 2015 AC Work Plan had an activity on management plan implementation. The Climate Change Action Plan (CCAP) was selected by the AC Executive Committee after considering three other Action Plans (Habitat Protection, Maritime Heritage, and Community Involvement). Kevin Grant provided an overview of the CCAP and what OCNMS has completed to date.

The CCAP desired outcomes including: 1) OCNMS is a sentinel site in the Pacific Northwest for climate change monitoring; 2) OCNMS is a source for climate change information on the outer coast marine ecosystems; and 3) OCNMS understands and is prepared for likely climate change impacts in the sanctuary. It consists of four strategies to achieve the desired outcomes: Climate-Smart Sanctuary Program, Sanctuary as a Sentinel Site, Resilient Ecosystems and Communicating Climate Change. OCNMS is working towards ONMS national certification standards and has fulfilled most of the requirements; OCNMS completed a site 2008 Condition Report, produced a Climate Change Site Scenario report, received some staff training on climate change, and conducted a carbon audit for office and operations. The Climate Change Site Scenario (CCSC) identified potential climate change impacts and identified key issues, providing a strong foundation for further actions and adaptations in the region. OCNMS is one of only three sanctuaries to have completed a CCSS.

Another strategy is to work to establish OCNMS as a Sentinel Site, an area actively studied and monitored to provide long-term data sets to improve management decisions. There are currently six identified sentinel sites, the closest of which in San Francisco and focuses predominantly on sea level rise; OCNMS would like to highlight ocean acidification and hypoxia as our regional issues.

The Resilient Ecosystems strategy aims to work with natural resource managers and local communities to help improve ecosystem resilience to climate change. Steps taken include the joint IPC-AC Ocean Acidification Working Group, participating in the state's Marine Resources Advisory Council (MRAC), and meeting with North Pacific Landscape Conservation Cooperative to identify partnerships.

OCNMS still needs to host workshops and provide training to outer coast communities on planning, mitigating for, and managing climate change impacts. Communicating Climate Change is a strategy that OCNMS has been actively fulfilling. The Education and Outreach team provides professional development workshops for teachers on ocean acidification s and resource kits for classroom and field activities. Olympic Coast Discovery Center docents are trained in ocean acidification and have a newly developed outreach cart to use in the visitor center. OCNMS recently received an "Ecosystem Pen Pals" grant which facilitates written cultural and environmental exchanges between the Suquamish Tribe, OCNMS and three sanctuaries in the Pacific Islands Region.

By forming a Climate Change Working Group, OCNMS will add greater detail to the current Climate Change Action Plan, which includes the findings of the CCSS. One of next steps identified by OCNMS specifically included the activity of reviewing and revising their current CCAP. Carol shared that a sentinel site data portal will be built for each of the 14 sites in the National Marine Sanctuary System and that OCNMS and other sites are actively working on that right now. If you are interested in participating in the Climate Change Working Group please contact [Kevin.Grant@noaa.gov](mailto:Kevin.Grant@noaa.gov) or [Karlyn.Langjahr@noaa.gov](mailto:Karlyn.Langjahr@noaa.gov). OCNMS's Climate Change Action Plan can be found online at:

[http://olympiccoast.noaa.gov/involved/sac/actionplan\\_climate\\_change\\_final.pdf](http://olympiccoast.noaa.gov/involved/sac/actionplan_climate_change_final.pdf)

**Sanctuary Outreach for AC Member Effectiveness** – Lee Whitford highlighted OCNMS tools as part of the goal to facilitate better outreach for AC members to increase effectiveness of networking and sharing with constituents, per the 2015 AC Work Plan. She led the council through some resources available on the sanctuary website, highlighting different sections and resources.

AC members discussed ideas and ways they reach out to their constituents and ways that sanctuary could better support them. Some examples of outreach include: providing SAC meeting synopsis reports at staff meetings for their organizations, sharing or forwarding OCNMS events, adding sanctuary-related news to regular staff meetings or calendar planning. Several members noted that it is easier when synergies within networks exist and when information directly relates to their constituents (e.g. MCMAC and/or MRAC). AC members shared their experience with the OCNMS website, noting the difficulty in finding documents or resources due to the deep layering of content. They appreciate the wealth of available resources but suggest less descriptive texts but more links to increase the ease of navigation and a better search engine. Larger images and a scrolling home page could make the site more

visually appealing. While all sites in ONMS are working to update their websites, Carol noted that the OCNMS website will likely retain the same structural elements.

**Superintendent's Report** – Carol shared highlights of sanctuary activities in the past two months, referring council members to the March 2015 Office Report for further details and activities, which can be online at:

[http://olympiccoast.noaa.gov/involved/sac/officereport\\_march\\_2015.pdf](http://olympiccoast.noaa.gov/involved/sac/officereport_march_2015.pdf).

1. The final rule for expansion for Gulf of Farallones and Cordell Banks national marine sanctuaries was officially released, resulting in about a doubling of size. GFNMS has also proposed changing its name to Greater Farallones NMS to better reflect its geography and ecosystem with the expansion.
2. The Site Nomination Process is open right now. To date several proposed site nominations have been submitted from central California, Aleutian Islands, Pribilof Islands, Lake Michigan, Chesapeake Bay, and Florida with interest expressed from other places.
3. OCNMS received its FY15 budget at the anticipated planning level. There will be no cutbacks in the moorings program this year.
4. Carol participated in the COASST Advisory Board annual meeting discussing strategies for expanding citizen science.
5. The Makah Whaling DEIS has been released for a 90 day public comment period (through June 11, 2015). The Makah Tribe requested a waiver under Marine Mammal Protection Act to take gray whales. NMFS Protected Resources Division is handling the process and all comments and questions. For more information and details, there is a website with documents and links: [http://www.westcoast.fisheries.noaa.gov/protected\\_species/marine\\_mammals/cetaceans/whale\\_hunt.html](http://www.westcoast.fisheries.noaa.gov/protected_species/marine_mammals/cetaceans/whale_hunt.html), including dates and times for upcoming public meetings in Seattle and Port Angeles in April.
6. The Governor of Washington declared the Olympic Peninsula one of three places in the state as a drought area, with only 7-8% of average snowpack levels in Olympic Mountains.
7. A team of Olympic Coast Discovery Center docents recently spent a week at Monterey Bay National Marine Sanctuary on a volunteer exchange to improve their understanding of a sanctuary in the California Current Ecosystem as well as the national marine sanctuary system as a whole. This was the third volunteer exchange that OCNMS volunteers have participated in.
8. The annual Washington Coastal Cleanup will take place on Sat. April 25 with online registration at <http://www.coastsavers.org/index.php/washington-coast-cleanup>; the River & Ocean Film Festival will take place that evening in Forks at 7pm at the new Forks Rainforest Arts Center.

### **Member Reports & Future Agenda Topics**

- Jessi Doerpinghaus reported that WDFW will be conducting significant outreach to fishing groups over the next few months on fisheries data, which will include data from OCNMS.

- Jodie Toft is very engaged in the shoreline master program update in Pacific County and Grays Harbor County, looking to incorporate sea level rise and coastal risk reduction. She will also be on New Day Northwest television next week.
- Lora Leschner announced that name change to Pacific Bird Habitat Joint Venture, which is becoming more “birds without borders”. She will be hosting a workshop on May 1 with international representation. There is now a node for eBird West, an online resource for birds in a region. May is International Migratory Bird Month with a theme of “Restore Habitat, Restore Birds”; more information about it can be found at [www. www.birdday.org](http://www.birdday.org). She noted that 2016 will be the centennial of the Migratory Bird Treaty, which will be organized by U.S. Fish and Wildlife Service.
- John Stadler noted that 2016 will be the 20 year anniversary for Essential Fish Habitat (EFH). EFH will be on the April agenda of the Pacific Fishery Management Council meeting. The meeting will be more process-oriented. The result of the NOAA webinar series on Deep Sea Corals resulted in 2.5 day workshop in Seattle with experts and academics on deep sea corals and rockfishes/groundfish (NW Region) on ecological associations. A report with a summary and recommendations will come out around September.
- Jennifer Hennessey briefed the council on the Marine and Rail Oil Transportation Study. The final report is available online at: <https://fortress.wa.gov/ecy/publications/SummaryPages/1508010.html>. WDOE Spills Program highlighted the number of proposed and approved facilities for transporting oil which will result in an increase in Articulated Tanker Barges (ATBs) from the Columbia River. There will be more updates in May after the legislative sessions involving their key recommendations in House Bill 1449. The Draft EIS for proposed Grays Harbor facilities will be released this summer. Jennifer announced that the next Washington Coastal Marine Advisory Council (WCMAC) meeting will be April 22 in Aberdeen at the Port of Grays Harbor and is open to the public. Many outreach events are planned for Marine Spatial Planning, including briefings on the Recreational User Study, discussions with MRCs on social indicators. All are posted on the MSP website’s Events Calendar: <http://www.msp.wa.gov/events>. A general outreach meeting will take place on April 20 in Aberdeen at the Rotary Log Pavilion from 3-6pm. She was invited to the Oregon Ocean Policy Advisory Council to speak about sanctuaries on May 7.
- Jennifer Hagen has recently been working with high school students, including field and lab time with the Natural Resources Program of Olympic Peninsula Skills Center. Students will work with phytoplankton HAB work and forage fish protocol. They hope to take some of the students out to the Cha’ba buoy.
- Bob Boekelheide announced that Olympic Bird Fest will be held April 8-14 based in Sequim with events in Neah Bay on April 8-9 including a pelagic trip in OCNMS waters.
- Jennifer Brown-Scott shared that a state listing for Tufted puffins is likely with an application for federal listing. USFWS will be monitoring tufted puffins at Destruction Island using cameras to obtain additional data. She announced the next two events of the Dungeness National Wildlife Refuge centennial celebration: a spring bird walk on April 18 from 9-11am and a presentation on the importance of bluffs on May 16 by Coastal Watershed Institute at Dungeness Audubon Center.

- Katrina Lassiter has been working with Nancy Wright to acquire the sanctuary's comprehensive information on state coastal shipping for the MSP website and mapping tool.
- Casey Dennehy mentioned that the North Pacific Coast Marine Resources Committee (MRC) will host this year's MRC Summit, likely to take place in La Push in October or November. Surfrider Foundation and The Nature Conservancy convened a forum in Olympia with MRC leadership from the coast and Northwest Straits and state legislators. The big two issues identified were ocean acidification and marine debris. He reminded everyone to join the WA Coastal Cleanup on April 25.
- Jan Newton pointed out the new Climatology app on the NANOOS website at Data Exploration (NVS) ([nanoos.org](http://nanoos.org)). She highlighted an anomaly starting in 2013 characterized by waters much warmer than usual (e.g. >30 y records) in the NE Pacific. During summer 2014 upwelling was active with cold waters near the coast that held the much warmer waters offshore. She used the app to compare the waters of the 1997 El Nino to the current warming, both in magnitude and extent, revealing differences between the patterns, with more widespread intense temperature anomalies offshore in the current event. After the fall wind transition caused a shift to downwelling, the very warm waters came onshore. The phenomenon is being referred to as "The Blob". Jan will be participating in a regional workshop at Scripps Institute of Oceanography in May to assemble all observations. UW will follow up by hosting another workshop in the fall to look into the mechanism of this event. The cruise to deploy Cha'ba will take place in May starting in Newport, OR.
- Joel Kawahara corroborated observations of increased water temperatures. Temperatures measured while trawling at depth in the Bering Sea increased by 5 degrees.
- Heather Reed and her WDFW team began rockfish tagging project, particularly nearshore rockfish. She hopes to share more about this project and the results at a future meeting.

The next OCNMS Advisory Council meeting will take place on **Friday, May 15<sup>th</sup>** in Neah Bay, WA.