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Cc: [ODA Director Katy Coba](#); [PAUL Jim](#); [RUMRILL Steven S](#); [AINSWORTH Justin C](#); [>OR Rep. David Gomberg](#); [Sen Roblan](#); [.OWRD Harmony Burrignt Outreach](#)
Subject: SB 1039 Support - Policy on Ocean Acidification and Hypoxia
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Oregon Senate Committee on Environment and Natural Resources

I strongly support SB 1039 that Declares state policy on ocean acidification and hypoxia. Oregon's Coast Economy is highly dependant on a healthy Ocean, Nearshore, Estuaries, and Waterways. Our highly productive shellfish industry and recreational harvesting of beach and estuary shellfish is critical to Oregon's economy. Oregon Oysters are shipped all over Oregon, America and the World. Research and better understanding of ocean acidification and hypoxia is crucial for all Oregon Ocean, Nearshore and Estuary species. The ocean, nearshore and estuary chemistry is extremely important for healthy shellfish of all kinds. The larvae of shellfish are a food source for many species that continues the food chain. Acidification of ocean, nearshore and estuary prevents the shellfish larvae to set shells. This effects the whole food chain. As does hypoxia, causing large areas to have numerous species kills due to lack of oxygen in the water. There are also know as "Ocean Killing or Dead Zones." Everything Dies due to lack of oxygen in the water.

Establishing the Oregon Coordinating Council on Ocean Acidification and Hypoxia is a good solution to meet the complex issues facing Oregon Agencies. There are so many possible causes of acidification and hypoxia of unknown origin. OCC on OAH provides a platform to bring together all research and possible causes. Every fall you can see on the satellites picture the invasion of the Oregon Nearshore and Estuaries from inland pollution and algae sources. Then, the acidification and hypoxia from algae blooms increase. This occurs yearly. Why is this happening? There are numerous sources. Timber, Agriculture and Household chemicals is a very likely source. During the first rains of the fall, the built up chemicals that have been used all summer, enter the waterways with the first fall rains. There should be extensive comprehensive testing of these first rains events to identify the chemical pollution and all other possible causes of sources of acidification and hypoxia. What is man doing to cause more preventable causes?

There are natural causes that are unpreventable. I believe this is identified by NW Native Olympia Oysters eggs being more resilient to acidification. Olympia Oysters have had 1000's of years to develop the resistance to negative impacts of naturally occurring cycles of acidification. But, it is the preventable man-made causes, we should identity and take action to prevent. The addition of man's sources has created a super source of causes of acidification and hypoxia with deadly consequences to many species. One source of point pollution is roadway dust from unpaved Logging roads along Oregon waterways that causes hypoxia in the waterways, estuaries, nearshore and ocean. Also, road film pollution built up from Oregon Highways washing into waterways. There are many sources of the causes of Acidification and Hypoxia. The OCC on OAH would provide a excellent source of information to gather and report to Legislative Assembly and Ocean Policy Advisory Council. It would also

provide Oregon agencies a Coordinated Committee to report finding and report current research, including private research on Acidification and Hypoxia of the Oregon Coastal Nearshore Ocean and Estuary.

Please support SB 1039. The Oregon Coordinating Council on Ocean, Nearshore, and Estuary Acidification and Hypoxia is critical for current and future generations of Oregon healthy oceans, nearshore and estuaries. Thank you for your consideration of this important legislation for the Oregon Coastal Economy, Healthy Ocean, Nearshore and Estuaries. We must find ways to protect and prevent the continued pollution by inland uses and chemicals that are preventable from effecting Oregon Ocean, Nearshore, Estuaries and Waterways the Growing Zones of Life's Food Chain, Human's Food Sources and Coastal Economy.

Sincerely,
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