

Supplemental Testimony of Bert Krages
In Support of SB 1589

I previously submitted testimony in support of on SB 1589 on February 9, 2022 and again on February 10, 2022. The first submission summarizes the water clarity measurements taken in the Newberg Pool wakesurfing zones during last year's boating season and the second submission discusses some of the shortcomings of the report prepared for the wakesurfing organization Oregon Recreational Boater United.

I wish to show two additional aspects of the Newberg Pool. First, despite the claim by opponents of the bill that dock owners are to blame for the erosion seen in the river banks, the docks along the Newberg Pool have actually acted to partially shield the shoreline. This is shown in the aerial photograph below, where the shoreline areas directly exposed to high-energy wakes are more eroded than the areas shielded by docks. This phenomenon demonstrates that boats, not docks, are causing the erosion and turbidity problems.



Second, I would like to show a Secchi disk in the process of measuring water clarity. The photographs below show a measurement taken from a dock 30 feet from the shore at river mile 35. The first image shows the Secchi disk before immersion and the second image shows the Secchi disk at 1 foot of depth. This is an area outside the wakesurfing zones, but trafficked by heavy wake boats. The Secchi disk disappeared completely from view at 2 feet of depth, which on that day indicated a reduction of water clarity by 83 percent. Note that when wake boats are active, the water clarity near the shorelines can diminish down to 6 inches.

