

ORHAB Sample Sites

Strait of Juan de Fuca

Hobuck

Kalaloch

Quinault

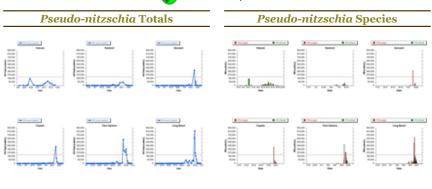
Copalis

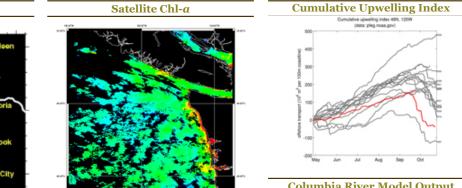
Twin Harbors

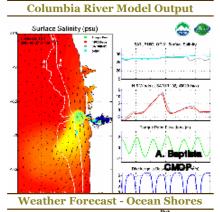
Long Beach

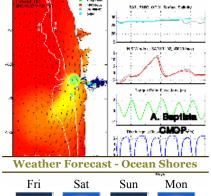
Pacific Northwest Harmful Algal Blooms Bulletin

October 28, 2011









Pseudo-nitzschia (PN) totals are identified by light microscopy and grouped by PN Large and PN Small. The 50k cells/L threshold level for large PN that triggers toxin testing is indicated by a red line across the PN plots. (The trigger for toxin testing for small PN is 1 million cells/L).

Summary – *Pseudo-nitzschia* spp. cell counts remain extremely low in recent samples taken along WA outer coast. The highest cell counts in the most recent samples were found at Twin Harbors on 10/24 at 5000 cells/L of the small cell type. No other HAB species were observed in recent samples. DA levels in razor clams are ≤1 ppm along the outer WA coast. PST levels in shellfish remain ntd or <38 at all sites along the WA coast but remain elevated in razor clams at Twin Harbors at 49µg/100g on 10/20, according to the WDOH. A very dense nearly bloom Attheya armatus exists from Long Beach to Kalaloch Beach.

Although the fall season has started and winds have been primarily downwelling favorable since mid-September, there have been periods of upwelling favorable winds along the coast during the past week. Satellite derived chlorophyll-a does not indicate high concentrations near the Juan de Fuca eddy. Satellite sea surface temperature does not show a cool ribbon near the coast - high chlorophyll-a concentrations there may be a surf zone bloom or an artifact of sediment.

Forecast – Winds are forecast to blow from the south Friday-Saturday, with westerlies Friday night as a front moves through. On Sunday, winds are forecast to blow from the southeast. Although conditions are favorable for onshore transport, no HAB species are expected to be in the area.

Winds - NDBC Buoy 46029 Columbia River Discharge 56 | 45 54 | 40

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