

## CURRENT MUSSEL AND CLAM BIOTOXIN DATA

The data below contain recent molluscan bi-valve shellfish (clams, oysters and mussels) biotoxin data. Paralytic Shellfish Toxin (PST) is measured in micrograms per 100 grams ( $\mu\text{g}/100\text{ gm}$ ) of shellfish meats and Domoic Acid (DA) is measured in parts per million (ppm). A result of 80 for PST is the closure limit. A result of 20 for DA is the closure limit. Results in **RED** are above the closure limit for recreational and commercial molluscan shellfish harvesting. For crab biotoxin results please see the link on the Shellfish webpage. ODA and ODFW may jointly re-open recreational harvesting if two consecutive samples from the same species and the same beaches, both have lab results below the closure limit. Please see the narrative on the ODA shellfish webpage for more info about openings and closures. Please see the Biotoxin Map on our website for recreational shellfish closure areas.

Note: a sample from anywhere in the Clatsop Beach area represents all the Clatsop Beaches.

DATE	LOCATION	SPECIES	PST	DA
7/28/17	South Jetty Columbia River	Mussels	50.3	<1.0
	Clatsop Beaches, Sunset Beach	Razor Clams	<35.0	6.8
	Arcadia Beach State Park	Mussels	<38.1	<1.0
	Arcadia Beach State Park	Razor Clams	<37.4	9.1
	North Lincoln County, 15 <sup>th</sup> Street	Mussels	<36.7	<1.0
	Newport Beaches at South Beach	Mussels	<37.2	16
	Newport Beaches at South Beach	Razor Clams	<37.1	<1.0
	Bob Creek	Mussels	<37.2	<1.0
	Siuslaw River, Sutton Creek	Razor Clams	<34.6	19
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	<37.0	<b>49</b>
	Bastendorf Beach to Cape Arago	Mussels	43.5	<1.0
	Gold Beach, Myers Creek	Mussels	<35.8	1.4
	<b>Gold Beach, Myers Creek</b>	<b>Razor Clams</b>	<36.7	<b>23</b>
7/14/17	South Jetty Columbia River	Mussels	63.2	<1.0
	Clatsop Beaches, Seaside Beaches	Razor Clams	<37.5	17
	Ecola State Park, Indian Beach	Razor Clams	<38	14
	<b>Arcadia Beach State Park</b>	<b>Mussels</b>	<b>123.4</b>	<1.0
	North Lincoln County, 15 <sup>th</sup> Street	Mussels	27.2	<1.0
	<b>Newport Beaches at North Jetty Beach</b>	<b>Razor Clams</b>	<35.9	<b>41</b>
	Yachats River	Mussels	<36.9	<1.0
	<b>Siuslaw River, Sutton Creek</b>	<b>Razor Clams</b>	<37.3	<b>57</b>
	<b>Coos North Spit</b>	<b>Razor Clams</b>	<34.8	<b>35</b>
	Bastendorf Beach to Cape Arago	Mussels	43.2	<1.0
	Gold Beach, Myers Creek	Mussels	<36.1	<1.0
	<b>Gold Beach</b>	<b>Razor Clams</b>	<36.4	<b>47</b>
6/30/17	South Jetty Columbia River	Mussels	40.9	<1.0
	<b>Clatsop Beaches, South Jetty</b>	<b>Razor Clams</b>	<34.9	<b>31.0</b>

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	Cape Meares	Mussels	<35.6	<1.0
	<b>Newport Beaches; Agate Beach</b>	<b>Razor Clams</b>	<35.0	<b>44.0</b>
	Newport Beaches; North Jetty	Mussels	<35.7	<1.0
	Bob Creek	Mussels	<37.4	<1.0
	<b>Sparrow Park</b>	<b>Razor Clams</b>	<35.0	<b>44.0</b>
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	<34.0	<b>54.0</b>
	Bastendorf Beach to Cape Arago	Mussels	51.6	<1.0
	Gold Beach, Myers Creek	Mussels	<35.3	2.7
	Gold Beach	Razor Clams	<35.3	14.0
6/16/17	South Jetty Columbia River	Mussels	60.5	<1.0
	<b>Clatsop Beaches, Sunset Beach</b>	<b>Razor Clams</b>	40.8	<b>27</b>
	Arcadia Beach State Park	Mussels	48.4	<1.0
	North Lincoln County, 15 <sup>th</sup> Street	Mussels	<38.2	<1.0
	<b>Newport Beaches, Agate Beach</b>	<b>Razor Clams</b>	<39.1	<b>59</b>
	Cape Perpetua, Neptune State Park	Mussels	<38.4	<1.0
	<b>Sparrow Park</b>	<b>Razor Clams</b>	N/A	<b>45</b>
	Coos North Jetty & Spit	Mussels	<38.1	<1.0
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	<38.2	<b>47</b>
	Gold Beach, Myers Creek	Mussels	<38.4	2.1
6/02/17	South Jetty Columbia River	Mussels	38.0	<1.0
	<b>Clatsop Beaches, Sunset Beach</b>	<b>Razor Clams</b>	<35.1	<b>27.0</b>
	<b>Arcadia Beach State Park</b>	<b>Razor Clams</b>	N/A	<b>42.0</b>
	Cape Meares	Mussels	<30.9	<1.0
	Newport Beaches, North Jetty	Mussels	<36.2	2.8
	<b>Newport Beaches, North Jetty Beach</b>	<b>Razor Clams</b>	<37.4	<b>47.0</b>
	Bob Creek	Mussels	<32.7	<1.0
	<b>Siuslaw Bay</b>	<b>Razor Clams</b>	<26.0	<b>33.0</b>
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	<36.2	<b>70.0</b>
	Bastendorf Beach to Cape Arago	Mussels	<36.4	1.8
	<b>Bastendorf Beach to Cape Arago</b>	<b>Razor Clams</b>	<35.5	<b>81.0</b>
	<b>Gold Beach, Myers Creek</b>	<b>Razor Clams</b>	<35.5	<b>46.0</b>
	Gold Beach, Myers Creek	Mussels	<36.2	<1.0
5/19/17	South Jetty Columbia River	Mussels	38.3	<1.0
	<b>Clatsop Beaches, Del Ray Beach</b>	<b>Razor Clams</b>	<36.8	<b>37</b>
	Cape Meares	Mussels	<37.1	1.5
	North Lincoln County, 15 <sup>th</sup> Street	Mussels	<37.2	<1.0
	Seal Rock State Park	Mussels	<35.7	<1.0
	Yachats River	Mussels	<37.0	<1.0
	Siuslaw River, Sutton Creek	Razor Clams	<22.2	3.3
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	<37.1	<b>63</b>
	Bastendorf Beach to Cape Arago	Mussels	<36.7	1.9
	Gold Beach, Myers Creek	Mussels	<36.7	<1.0

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5/5/17	South Jetty Columbia River	Mussels	<37.5	<1.0
	<b>Clatsop Beaches: Sunset Beach</b>	<b>Razor Clams</b>	<38.0	<b>32</b>
	Arcadia Beach State Park	Mussels	<31.9	<1.0
	Newport Beaches, North Jetty	Mussels	<36.9	1.5
	<b>Newport Beaches, North Jetty Beach</b>	<b>Razor Clams</b>	<36.8	<b>49</b>
	Bob Creek	Mussels	<36.5	<1.0
	Sparrow Park	Razor Clams	<37.4	18
	Coos North Jetty & Spit	Razor Clams	<36.5	7.4
	Coos North Jetty & Spit	Mussels	<37.3	<1.0
	Gold Beach, Myers Creek	Mussels	<36.5	<1.0
4/14/17	South Jetty Columbia River	Mussels	<35.7	<1.0
	<b>Clatsop Beaches: Sunset Beach</b>	<b>Razor Clams</b>	<35.8	<b>27</b>
	Nehalem Bay	Varnish Clams	<35.4	<1.0
	Cape Meares	Mussels	<34.9	<1.0
	Lincoln City	Mussels	<35.6	<1.0
	Seal Rock State Park	Mussels	<34.2	1.0
	Bob Creek	Mussels	<37.0	<1.0
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	<34.2	<b>120</b>
	Bastendorf Beach to Cape Arago	Mussels	<35.2	<1.0
	Gold Beach, Myers Creek	Mussels	<34.7	<1.0
3/31/17	South Jetty Columbia River	Mussels	<38.8	<1.0
	<b>Clatsop Beaches: Sunset Beach</b>	<b>Razor Clams</b>	<38.0	<b>33.0</b>
	Nehalem Bay	Softshell Clams	<25.1	<1.0
	Cape Meares	Mussels	<23.3	<1.0
	Seal Rock State Park	Mussels	<38.8	<1.0
	Bob Creek	Mussels	<38.5	<1.0
	Coos North Jetty	Mussels	<38.5	<1.0
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	<38.7	<b>97.0</b>
	Gold Beach, Myers Creek	Mussels	<38.8	<1.0
3/17/17	South Jetty Columbia River	Mussels	<37.6	<1.0
	<b>Clatsop Beaches: South Jetty Beach</b>	<b>Razor Clams</b>	41.5	<b>32.0</b>
	Lincoln City	Mussels	<37.9	<1.0
	Yachats	Mussels	<38.7	<1.0
	South Slough	Cockles	<37.4	<1.0
	<b>Coos North Jetty</b>	<b>Razor clams</b>	<38.7	<b>75.0</b>
	Gold Beach, Myers Creek	Mussels	43.0	<1.0
3/03/17	South Jetty Columbia River	Mussels	<38.4	<1.0
	<b>Clatsop Beaches: South Jetty Beach</b>	<b>Razor Clams</b>	46.1	<b>38.0</b>
	Cape Meares	Mussels	<41.6	<1.0
	Seal Rock State Park	Mussels	44.2	<1.0
	Bob Creek	Mussels	51.6	<1.0
	Bastendorf Beach	Mussels	<39.0	<1.0
	Gold Beach, Myers Creek	Mussels	54.1	<1.0

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2/17/17	South Jetty Columbia River	Mussels	<39.1	<1.0
	<b>Clatsop Beaches: South Jetty Beach</b>	<b>Razor Clams</b>	42.0	<b>26.0</b>
	<b>Clatsop Beaches: Gearhart Beach</b>	<b>Razor Clams</b>	<38.9	<b>28.0</b>
	Cape Meares	Mussels	<35.5	<1.0
	Lincoln City	Mussels	<39.1	<1.0
	<b>Newport Beaches, South Beach</b>	<b>Razor Clams</b>	<38.8	<b>110.0</b>
	Yachats	Mussels	38.6	<1.0
	Neptune State Park	Mussels	38.6	<1.0
	Bastendorf Beach	Mussels	46.5	<1.0
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	38.8	<b>140.0</b>
	Whiskey Run	Cockles	<39.1	<1.0
	<b>Gold Beach, Myers Creek</b>	<b>Mussels</b>	<b>142.0</b>	<1.0
2/06/17	South Jetty Columbia River	Mussels	<38.2	<1.0
	<b>Clatsop Beaches: Sunset Beach</b>	<b>Razor Clams</b>	45.5	<b>29.0</b>
	Cape Meares	Mussels	<27.0	<1.0
	Seal Rock State Park	Mussels	<38.2	<1.0
	Bob Creek	Mussels	<38.2	<1.0
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	<39.0	<b>97.0</b>
	Coos North Jetty & Spit	Mussels	<23.3	<1.0
	Gold Beach, Myers Creek	Mussels	<38.0	<1.0
1/20/17	South Jetty Columbia River	Mussels	<37.6	<1.0
	<b>Clatsop Beaches: Sunset Beach</b>	<b>Razor Clams</b>	42.1	<b>53.0</b>
	Cape Meares	Mussels	<21.7	<1.0
	<b>Newport Beaches, South Beach</b>	<b>Razor Clams</b>	N/A	<b>120.0</b>
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	<37.7	<b>180.0</b>
12/30/16	South Jetty Columbia River	Mussels	<35.0	<1.0
	<b>Clatsop Beaches: Sunset Beach</b>	<b>Razor Clams</b>	42.1	<b>43.0</b>
	Tillamook Bay	Cockles	NA	<1.0
	Cape Meares	Mussels	<35.0	<1.0
	Siletz Bay	Varnish Clams	NA	<1.0
	Yaquina Bay	Gaper Clams	NA	<1.0
	Cape Perpetua, Neptune State Park	Mussels	37.7	<1.0
	Bob Creek	Mussels	<25.5	<1.0
	Coos North Jetty & Spit	Mussels	<37.4	<1.0
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	<37.2	<b>94.0</b>
	Coos North Jetty & Spit	Butter Clams	NA	<1.0
	Gold Beach, Myers Creek	Mussels	<38.1	<1.0
12/20/16	South Jetty Columbia River	Mussels	<38.2	<1.0
	<b>Clatsop Beaches: Sunset Beach</b>	<b>Razor Clams</b>	<39.1	<b>79.0</b>
	Cape Meares	Mussels	<38.5	<1.0
	Lincoln City	Mussels	<39.1	<1.0
	<b>Newport Beaches, South Beach</b>	<b>Razor Clams</b>	38.8	<b>300.0</b>
	Seal Rock State Park	Mussels	<38.0	<1.0

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	<b>Siuslaw Bay</b>	<b>Razor Clams</b>	38.7	<b>360.0</b>
	Coos North Jetty & Spit	Mussels	<38.2	<1.0
	<b>Coos North Jetty &amp; Spit</b>	<b>Razor Clams</b>	16.8	<b>240.0</b>
	Gold Beach, Myers Creek	Mussels	<38.8	<1.0