

# Item No. 10

# Findings of the San Diego Bay Fish Consumption Study

April 12, 2017



Sediment and Water Column Pollution

Sediment Pollution

### GUIDE TO EATING FISH FROM SAN DIEGO BAY

Eating fish can be part of a healthy diet. However, fish from San Diego Bay may contain levels of PCBs and/or mercury that can be harmful. Please follow these guidelines when consuming fish caught in the bay.

Consumers should avoid the parts of the fish that contain the highest concentrations of pollutants. Do not eat fish heads, viscera, or other organs. Do not eat fish from the same area as the fish you are eating.

For more information contact: CALIFORNIA OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT  
www.oehha.ca.gov/fish.html - (916) 327-7319 or fish@oehha.ca.gov

Women age 18-45 and children age 1-17			Women over 45 and men		
Up to 2 servings per week	1 serving per week	DO NOT EAT	Up to 2 servings per week	1 serving per week	DO NOT EAT
<ul style="list-style-type: none"> <li>Diamond Turbot</li> <li>Sandbar Turbot</li> <li>Black Perch</li> <li>Pink Surfperch</li> <li>Rainbow Sidesperch</li> <li>California Lizaefish</li> </ul>	<ul style="list-style-type: none"> <li>Pacific Chub Mackerel</li> <li>Round Stingray</li> <li>Shoeshoone Gurtfish</li> </ul>	<ul style="list-style-type: none"> <li>Shiner Perch</li> <li>Togomet</li> <li>Spotted Sand Bass</li> <li>Barned Sand Bass</li> <li>Yellowfin Croaker</li> <li>Leopard Shark</li> <li>Gray Smoothhound Shark</li> </ul>	<ul style="list-style-type: none"> <li>Diamond Turbot</li> <li>Sandbar Turbot</li> <li>Black Perch</li> <li>Pink Surfperch</li> <li>Rainbow Sidesperch</li> <li>California Lizaefish</li> <li>Round Stingray</li> <li>Shoeshoone Gurtfish</li> </ul>	<ul style="list-style-type: none"> <li>Spotted Sand Bass</li> <li>Barned Sand Bass</li> <li>Yellowfin Croaker</li> <li>Pacific Chub Mackerel</li> <li>Leopard Shark</li> <li>Gray Smoothhound Shark</li> </ul>	<ul style="list-style-type: none"> <li>Shiner Perch</li> <li>Togomet</li> </ul>

The recommended serving is the size and thickness of your hand. Give children smaller servings.



Sediment and Water Column Pollution

Sediment Pollution

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Eating fish can be part of a healthy diet. However, fish from San Diego Bay may contain levels of PCBs and/or mercury that can be harmful. Please follow these guidelines when consuming fish caught in the bay.

Consumption levels are based on the size and weight of people. Do not eat fish from San Diego Bay if you are pregnant, nursing, or trying to get pregnant. Pregnant women may also want to avoid eating fish from San Diego Bay if they are planning to get pregnant.

Check the fish for any visible signs of damage, such as missing scales, or if the fish is dead. Do not eat fish that are dead.

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# Human Health Risk Assessments



- Water Quality Control Plan for Enclosed Bays and Estuaries – Part 1 Sediment Quality
- U.S. EPA's Risk Equation



# Human Health Risk Assessments

$$\mathbf{Risk = Exposure * Chemical Toxicity Value}$$



# Human Health Risk Assessments

$Risk = Exposure * Chemical\ Toxicity\ Value$

$$Exposure = \frac{(C * CR * FI * ED * EF)}{(BW * AT * CF)}$$

- Previous SD Bay Fish Consumption Studies
- Santa Monica Bay Fish Consumption Rates

SD Bay-Specific Fish Consumption Rates

# QUESTIONS?

