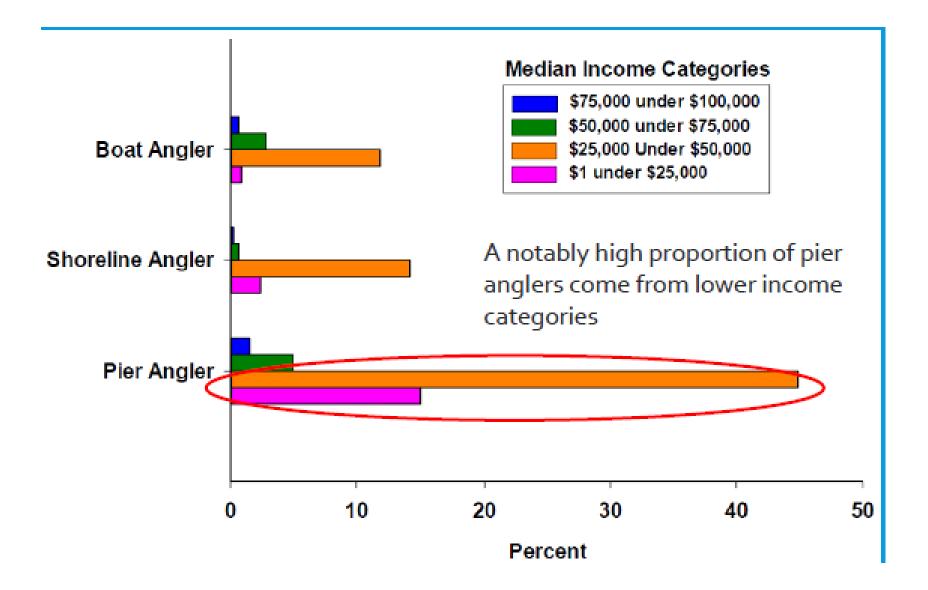


A Second Alternative Analysis of the 2017 San Diego Bay Fish Consumption Study

Environmental Justice



2005 Pier Angler Survey & 2017 Fish Consumption Study

	SD Bay 2005 Pier Angler	SD Bay 2017 Fish	
	Survey - EHC	Consumption Study	
Pier Anglers	109	706	
		(74% of Surveyed Anglers)	
All Pier Anglers	66 (61%)	311 (44%)	
Consuming SD Bay Fish			
Pier Anglers of Color	63 (96%)	251 (35%)	
Consuming SD Bay Fish			
Children of Pier	85	229	
Anglers Consuming SD			

Table 1. Top ten fish reported caught in general and reported as kept in the week prior to being surveyed. Blue text indicates fish in common between the two lists and an asterisk (*) indicates inclusion on the fish consumption advisory guidelines for San Diego Bay.

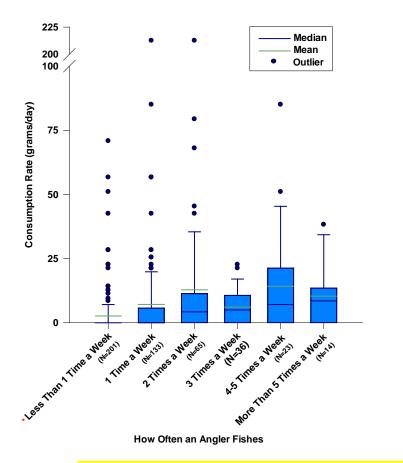
FISH Reported Caught				
Fish Name	Percent			
Spotted Sand Bass *	80			
Pacific Chub Mackerel *	79			
Round Stingray *	49			
California Halibut	48			
Topsmelt <mark>*</mark>	33			
Bat Ray	33			
Kelp Bass	30			
Barred Sand Bass *	28			
California Lizardfish *	26			
California Scorpionfish	26			

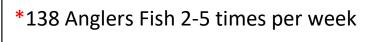
Fish	Re	ported	Caug	ht

0	
Fish Name	Percent
Pacific Chub Mackerel *	48
California Halibut	18
Spotted Sand Bass *	16
Bonito	12
Shortfin Corvina	8
Topsmelt *	6
Shovelnose Guitarfish *	6
Yellowfin Croaker *	6
Gray Smoothhound Shark *	5
Bat Ray	5

Fish Caught and Kept to Consume

Subsistence Fishing ?





*73 Anglers Fish 3-5 times per week

Figure 1. Consumption rate (grams/day) by how often an angler fishes per week. Less Than 1 Time a Week was significantly different ($p \le 0.001$) from the rest (red asterisk). The box boundaries indicate the 25th and 75th percentiles, the blue line within the box the median and the green line the mean. Whiskers (error bars) above and below the box indicate the 90th and 10th percentiles. N = 468

Evidence of Subsistence Fishing

In California, the 95th percentile rate of consumption from regional studies have been used by both the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB 2006) and the Central Valley Water Quality Control Board (CVRWQCB 2010) to protect fish consumers. This rate was established at 32 grams/day.

- 21 of 170 Pier Anglers reported fish consumption exceeding 32 grams/day
- 35 to 212 grams/day was the range of consumption for the 21 anglers
- 7 anglers reported consumption levels 2 X the 32 grams/day rate
- Consumption rates for children and women of child bearing age ?

- Contaminated fish in San Diego Bay remain an Environmental Justice issue for our low-income communities of color.
- We are in full support of approaches to limiting risk to anglers and their children, particularly item 1 highlighted below.
- " there are two approaches which may help to limit risk to anglers consuming fish from the bay: 1) take action to reduce the contamination levels in the fish by thorough clean-up of contamination sources; or 2) use targeted education programs directed to the most at-risk anglers, primarily in the Asian community, through direct interaction at the community level to ensure they are aware of the risk and can make informed decisions about their consumption." San Diego Bay Fish Consumption Study, 2017

STATE WATER RESOURCES CONTROL BOARD RESOLUTION NO. 2017-0027

Part 2 of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California—Tribal and Subsistence Fishing Beneficial Uses and Mercury Provisions (Provisions) contains three new beneficial uses: Tribal Tradition and Culture (CUL), Tribal Subsistence Fishing (T-SUB), and Subsistence Fishing (SUB).

- 1) <u>Tribal Tradition and Culture (CUL)</u>: Uses of water that support the cultural, spiritual, ceremonial, or traditional rights or LIFEWAYS of CALIFORNIA NATIVE AMERICAN TRIBES, including, but not limited to: navigation, ceremonies, or fishing, gathering, or consumption of natural aquatic resources, including fish, shellfish, vegetation, and materials.
- 2) <u>Tribal Subsistence Fishing (T-SUB)</u>: Uses of water involving the non-commercial catching or gathering of natural aquatic resources, including fish and shellfish, for consumption by individuals, households, or communities of California Native American Tribes to meet needs for sustenance.
- 3) <u>Subsistence Fishing (SUB)</u>: Uses of water involving the non-commercial catching or gathering of natural aquatic resources, including fish and shellfish, for consumption by individuals, households, or communities, to meet needs for sustenance

