

h. Fish in possession at time of survey were opaleye, bonito, yellow-fin croaker, white perch, barred perch, staghorn sculpin, mackerel, starry flounder, and sand bass.

3. Anecdotal information indicates that aquatic vegetation in the inner harbor basin may down substantially (as much 50%) over the last three years. This same information indicates that the perch population may be less than 10% of what it was 5 years ago. I have no scientific evidence to support or refute this information. There are many forces that could attributed to this decline and I do not know if contaminants are a contributing factor.

4. In attempting to determine contaminant levels in biological receptors, I believe it would be unwise to focus only on species that have direct contact with sediments. Determining these levels may be valuable information but will not provide a true picture of contaminant pathways. Species further up the food chain is the only real way to determine contaminant ingestion by higher animals. Arthropods (Crustacea ?) and Annelids (Polychaets ?) are in direct contact with the sediments but it would be very difficult to quantify the amount of contaminants that are being passed on to higher order animals. Fish will be a better representative genera as these are consumed by humans as well as birds and mammals. We will need to collect more data in order to propose the species that may be the best indicators of links in the food chain.

5. Should you have any questions, the point of contact is Bill Fisher, telephone (619) 532-1488, DSN 522-1488.

Bill
Bill

Copy to:
231
File

What is the typical portion (amount) consumed/meal _____ /week _____

Difficult to measure !! 8oz. - 5 8oz. + - 2 32oz./family 3/week - 1 1-2/week - 1

8. Do you know other people that fish in this area and how might we contact them ?

People were very reluctant to answer this question (questionable use)

9. How long have you been fishing in the inner harbor area ?

Range - 1 month to 40+ years Highest - 1-2 years (15)
Next - 2-5 years (6)

10. Do you fish at other places within the inner harbor area ? No - 19 Yes - 4

Where / By what means ? (from boat, shore, use of nets, fish traps, set lines)

Queen Mary San Pedro Pier Breakwater Whites Point Santa Monica Seal Beach
By boat, inner-harbor, breakwater

11. Do you harvest any other marine species for consumption ? Yes 5 No 35

What species ? Mussels - 3 Clams - (17) Crabs - 1

12. What species do you catch and release or use for other purposes ?

Bonito Mackerel perch(species?) Croaker Opaleye Smelt(species?) Halibut
Guitarfish Lizardfish Barracuda Sandbass Calico bass Sea bass Sand shark Rockfish

LIST SPECIES IN POSSESSION AT TIME OF SURVEY !

Mackerel - 9

Barracuda - 2

Buttermouth (Black perch) - 16

Calico bass - 1

Opaleye - 8

Topsmelt - 4

Rockfish (sp.) - 2

Sargo - 1

Jacksmelt - 1

Rubberlip surfperch - 2

Yellowfin croaker - 6

Staghorn sculpin - 1

White perch - 4

Sandbass - 2

Bonito - 1

Stary flounder - 1 Mussels Crabs

BOLD indicates fish that I consider are year round residents of the structure around the Mole