

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

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August 1, 1994

Alvaro Gutierrez, Project Manager
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245 West Broadway, Room 350
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**DRAFT TECHNICAL MEMORANDUM NUMBER 5 FISH SAMPLING AND ANALYSIS PLAN
FOR NAVAL STATION LONG BEACH (CTO 26)**

We have reviewed the subject document and have the following comments.

Selection of Target Species

We have no objection to any of the species proposed (barred sandbass, hornyhead turbot, California halibut, white croaker, speckled sanddab). However, we would recommend the use of white croaker as a preferred species, rather than as a backup species, since this species would provide data for both human consumption and ecological risk assessments and a large amount of comparison data is available for this species. We agree that the use of at least one flatfish species would be highly desirable, and would concur with the use of the hornyhead turbot, due to its feeding habits.

Selection of Tissue Types

At a minimum, we recommend the analysis of muscle tissue to evaluate potential human consumption effects and liver tissue for ecological effects. We agree that analyses of bile samples could be useful to evaluate uptake of PAHs, but such analyses should be used to supplement liver tissue analyses, rather than to replace them. We also agree that whole body analyses would be a useful supplement to muscle and liver analyses, but again should not replace these.

If you have any questions, please telephone me at (213) 266-7616.

A handwritten signature in black ink, appearing to read "J. Michael Lyons".

J. MICHAEL LYONS
Chief, Surveillance Unit