



NOAA's National Marine Fisheries Service
Southwest Regional Office- Habitat Conservation Division

Fishery Utilization of San Diego Bay

Presentation by
Bob Hoffman



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Fish Studies Completed in San Diego Bay 1892- present

- Fishes of San Diego, California (Eigenmann, 1892)
- A Proximate Biological Survey of San Diego Bay, California (Peeling, 1975)
- Fishery Utilization of Eelgrass Bed and Non-Vegetated Shallow Water Areas in San Diego Bay (Hoffman, 1986)
- Fisheries Inventory and Utilization of San Diego Bay (Allen, 1999)
- Fisheries Inventory and Utilization of San Diego Bay (Pondella, 2004)
- Fisheries Utilization of Eelgrass Beds in San Diego and Mission Bays (Hoffman, 2006)
- Fisheries Inventory and Utilization of San Diego Bay (Pondella, 2008)





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Summary of Fish Studies

- Eigenmann, 1892
 - 62 species
- Peeling, 1975
 - Dec. 1972 – June 1973
 - traps and gill net sampling
 - 38 species
 - commercial and recreationally important species are abundant and reproducing in the Bay.
- Hoffman, 1986
 - quarterly July 1980 – April 1981
 - beach seine sampling of shallow water sites (veg & non-veg)
 - 36 species
 - approximately 1/2 the number of individuals caught in non- veg vs. veg
 - primarily juvenile life stages
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Summary of Fish Studies (*continued*)

- Allen, 1999
 - quarterly, July 1994 – April 1999
 - comprehensive bay-wide sampling program (large and small beach seine, square enclosure, beam trawl, purse seine, otter trawl)
 - 78 species
 - predominately juveniles

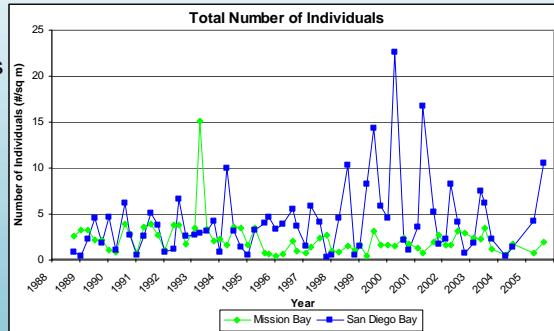




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Summary of Fish Studies (continued)

- Hoffman, 2006
 - quarterly 1989 – 2006 (study is ongoing)
 - beach seine
 - 48 species
 - predominately juveniles



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Summary of Fish Studies (continued)

- Pondella, 2004
 - Sampling occurred April & July 2005
 - 57 species
 - predominately juveniles
- Pondella, 2008
 - Sampling occurred April & July 2008
 - 48 species
 - predominately juveniles

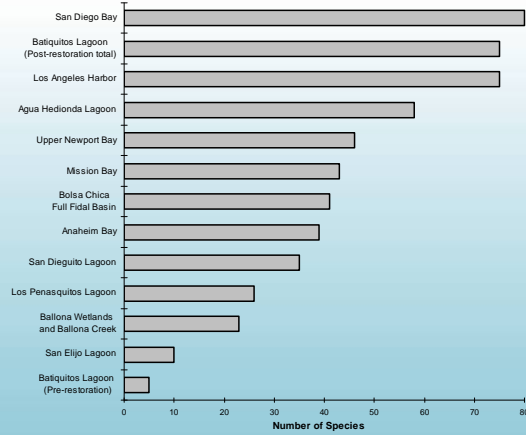




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San Diego Bay Number of Fish Species Compared to Other Systems



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Conclusions:

The San Diego Bay fish population is a diverse assemblage of species dominated by juvenile life stages

