

CONSIDERATIONS FOR INTEGRATING MARINE RESERVES WITH EFFECTIVE FISHERY MANAGEMENT

Situation: Three individuals have been invited to the Council meeting to make presentations under the general topic of "Considerations for Integrating Marine Reserves with Effective Fishery Management" (Exhibit D.1.a). The Council has seen information that indicates that for species with certain life history characteristics, biomass within no-take marine reserves will tend to increase; however, the Council has expressed great interest in the effect of marine reserves on fish and fisheries outside the reserve, particularly when marine reserves are put in place where there is an active and effectively enforced fishery management system.

The first presentation will be by Drs. Jane Lubchenco and Mark Hixon, who have been asked to speak on the science behind this issue with relevance to West Coast areas. Drs. Lubchenco and Hixon are professors at Oregon State University. Dr. Lubchenco is one of the senior editors of the recently completed report *The Science of Marine Reserves*, published by The Partnership for Interdisciplinary Studies of Coastal Oceans (separate enclosure in the briefing book). Dr. Mark Hixon, also member of the Federal Advisory Committee on Marine Protected Areas, is the author of a recent paper focusing on relevant information from the West Coast (Exhibit D.1.b, Attachment 1).

The second presentation will be by Dr. Dave Fluharty, who will discuss some of the practical aspects of implementing marine reserves in the Regional Council system. Dr. Fluharty is a professor at University of Washington, and is also a North Pacific Fishery Management Council member.

Council Task:

1. Discussion.

Reference Materials:

1. Invitation Letters to Drs. Lubchenco and Fluharty from Donald McIsaac dated December 3, 2002 and January 24, 2003, respectively. (Exhibit D.1.a, Attachment 1).
2. "The Science of Marine Reserves" (Separate Enclosure).
3. "Fishery Effects of Existing West Coast Marine Reserves: Scientific Evidence" (Exhibit D.1.b, Attachment 1).

Agenda Order:

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| a. Agendum Overview | Jim Seger |
| b. Presentations | Drs. Jane Lubchenco/Mark Hixon/Dave Fluharty |
| c. Reports and Comments of Advisory Bodies | |
| d. Public Comment | |
| e. Council Discussion | |

Groundfish Fishery Strategic Plan (GFSP) Consistency Analysis

The GFSP calls for the Council to "use marine reserves as a fishery management tool that contributes to groundfish conservation and management goals, has measurable effects, and is integrated with other fishery management approaches."