PARTIAL BIBLIOGRAPHY ON THE DUNGENESS CRAB, CANCER MAGISTER

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PARTIAL BIBLIOGRAPHY ON THE DUNGENESS CRAB, CANCER MAGISTER

INTRODUCTION

The following bibliography was first prepared in April 1974 for use as a working bibliography on the State/Federal Dungeness Crab Management Program. The present collection combines the articles appearing in the 1974 report with those that have appeared through June 1976.

An earlier bibliography on the Dungeness crab (Butler, 1967) contains a reasonably complete compilation of literature published through 1966. Since 1966, several more articles dealing with the Dungeness crab have appeared in the literature. This collection contains for the most part references to articles that have been published since 1966. Only those articles published prior to 1966 that are pertinent to the crab management program or were not listed by Butler (1967) have been included. Following the list of published articles is a list of unpublished reports dealing with the crab resource in California, Oregon, and Washington.

At the end of the report is a list of the various administrative reports, tabular summaries, and other documents prepared by the Dungeness Crab Study Team during the three years of the State/Federal Dungeness Crab Management Program. It is anticipated that the pertinent documents will be combined to form a special report that will be published by the Pacific Marine Fisheries Commission. Until final publication distribution of the individual reports will be limited. The reports are on file at the Oregon Department of Fish and Wildlife, Marine Region Headquarters, Marine Science Drive, Newport, Oregon 97365.

Some important references have probably been omitted. It will be appreciated if readers of the following lists of references will inform the compiler of omissions that should be added. It should also be noted that the compiler did not examine all the references, particularly those dealing with physiology, chemical composition, processing and quality control.

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REPORTS AND OTHER DOCUMENTS PREPARED FOR THE STATE/FEDERAL DUNGENESS CRAB MANAGEMENT PROGRAM

Working Bibliography - State/Federal Dungeness Crab Project. 11 p.

A selective bibliography of sources of economic data and of previous economic analysis relating specifically to the Dungeness crab industry and more generally to fisheries management, common property problems, and limited entry.

Glossary of One Hundred Selected Economic Words and Phrases. 15 p.

A reference for the noneconomist.

Discussion on the Advisability of Harvesting Female Crabs. 8 p.

Discussion of the percent of female crabs over $6\frac{1}{4}$ inches in breadth that produce viable eggs, meat yield of large female crabs, and attitudes of processors and fishermen concerning harvesting of female crabs.

Discussion on the use of Escape Ports in Crab Pots. 9 p.

Summarizes and evaluates the available information regarding the size of escape ports in use in the coastal crab fishery in relation to the $6\frac{1}{4}$ inch minimum size limit.

Discussion on Crab Mortality Associated with Certain Fishery Practices. 9 p.

Presents the available information regarding crab mortalities resulting from trawl operations, handling of soft and sublegal crabs, and lost pots.

Summary of Dungeness Crab Condition Studies in Washington, Oregon, and California (Tables and Figures only). 20 p.

Tabulated data and graphs of crab shell condition sampling and percent pick out of meat.

The Dungeness Crab Sport Fishery in Washington, Oregon, and California. 11 p.

Description of the sport fisheries with a comparison of sport fishing regulations and a discussion of sports-commercial user conflicts.

Movements of Tagged Dungeness Crabs. 20 p.

Summary of the available information dealing with Dungeness crab movements in waters off British Columbia, Washington, Oregon, and California.

Dyngeness Crab Catch by Trawl Boats (Tables and Figures only). 16 p.

Tabulated data on catch of Dungeness crabs by trawl boats in Oregon, California, and British Columbia.

Summary of Dungeness Crab Catch and Effort Data from Washington, Oregon, and California (Tables and Figures only). 43 p.

Includes data on pounds landed, number of boats, number of pots, and number of landings for a period of approximately 30 years.

Summary of Crab Width Measurements taken from the Commercial Catch by Area in Oregon (Tables only). 5 p.

Tabulated data on crab with measurement and estimates of legal crab abundance and harvest rates for Oregon's commercial fishery from 1946 through 1969.

Summary of Catch-Effort Data from Fishermen Interviews at Eureka and Crescent City, California from the 1964-65 through the 1972-73 seasons (Tables only). 30 p.

Tabulated data on number of pots pulled, depth fished, soak time, and catch. Includes over 3,000 interviews and 380,000 individual pot lifts.

Dungeness Crab Fisherman's Opportunity Costs (Tables only). 66 p.

Tabulated data generated by the Coastwide Data System subcontract to Sea Scan. Data is presented on revenue per delivery by species and boat length for those boats landing crab during the 1971-72, 1972-73, and 1973-74 seasons.

Objectives of Management: The Dungeness Crab Fishery - A Working Paper. 7 p.

Reviews the various objectives of resource management with respect to their applicability and appropriateness for contempory fisheries management..

Preliminary Evaluation of Alternative Limited Entry Schemes. 15 p.

Alternative limited entry techniques or controls are divided into three classes: (1) license limits, (2) user fees or taxes, and (3) quotas. The potential usefulness of each kind of control, as it could be applied to the Dungeness crab fishery, is discussed.

Excess Effort in the Dungeness Crab Fishery. A Preliminary Analysis. 11 p.

Catch and effort data from Washington, Oregon, and California were used to estimate sustained yield curves for each state. Estimates of the level of effort at which each yield curve reached its maximum (MSY) are compared with existing levels of effort.

Responses to Fishermen and Skipper Questionnaires (Tables only).

Tabular summaries of crab fishermen and skipper responses to questionnaires covering crab season opening date policies, operating costs, fishing activities in other fisheries, and crab pot loss.

Completion Report - Phase I. Proposal for Development of a State/Federal Fisheries Management Plan for the California, Oregon and Washington Dungeness Crab Fishery. 163 p.

Included are the results of studies on fertility and meat yield of large female crabs, mortality of crabs caused by certain fishery practices, movements of crabs, and sport fishery for crabs. These studies were initially summarized in separate reports which are listed above. The final section of the report deals with evaluating the appropriateness of the states' current seasons and of alternative seasons which could be implemented.

Completion Report - Phase II. Proposal for Development of a State/Federal Fisheries Management Plan for the California, Oregon and Washington Dungeness Crab Fishery - Effort Management in the Dungeness Crab Fishery. 104 p.

Included are the results of studies on the relation between effort and yield in the fishery, the potential net benefits to be gained from effort management, the development of various alternatives for effort management consideration, and the analysis of the advantages and disadvantages of selected alternatives.