



Waterfowl Tomorrow

U. S. Department of the Interior

Fish and Wildlife Service

Bureau of Sport Fisheries and Wildlife

Washington, D. C.



WATERFOWL TOMORROW:

- is the most comprehensive book on migratory waterfowl of North America and their habitat ever written.
- is composed of 69 chapters.
- contains 784 pages.
- includes 194 photographs selected from more than 3000 submitted by agencies and individuals throughout the United States and Canada.
- has many additional illustrations in the form of art work and story-telling maps prepared by the well-known wildlife artist, Bob Hines.
- is a cooperative undertaking of 103 authors from all parts of North America.
- is authoritative. Each chapter is the product of writers intimately familiar with their subject.

In the Foreword of Waterfowl Tomorrow, Stewart L. Udall, Secretary of Interior says, "We and our children will be the losers if we do not care enough to save from exploitation some hills and dunes and swamps and woods and lakes where we can renew our ties with Nature and where God's other creatures can live and move and have their being.

"Let us not delude ourselves, or be content with sentimentality or mere words. The time has come when men must choose what kind of permanent relationship they want to have with their land and her creatures.

"There is growing uneasiness and deep concern for the preservation of the wildlife of the Continent. This book is a manifest of the ceaseless work for the perpetuation and wise use of North America's magnificent migratory bird resources -- resources that Canada, the United States, and Mexico must share and manage for the benefit of mankind. It is both encouraging and gratifying that officials and citizens of the three countries have combined efforts to make possible the writing of this volume.

"It is for us to give conservation a new focus, a specific application not only to broad fields of lands, forests, and water but also to living creatures that inhabit them.

"This book does just that, and I commend it to the study and enjoyment of all peoples of the Continent."

WATERFOWL TOMORROW INCLUDES 11 SECTIONS:

The Introduction gives a panoramic view of waterfowl on this changing continent. Beginning with conditions in the days of earliest exploration, it assesses the many factors leading to the present status of the birds and in broad terms suggests programs to assure the survival of waterfowl as a significant natural resource.

The World of Waterfowl acquaints the reader with the many species of waterfowl and, by illustration, shows the great variation of their habits and requirements for living. A chapter on migration reveals the far-flung movements of these birds from the Arctic in Alaska and Canada to the Tropics in Mexico and points South.

Duck Factories - The Big Three presents a detailed review of the main breeding grounds of waterfowl throughout Canada and Alaska. Where are the prime production areas? What do they look like? What are the conditions that qualify them as vitally important for waterfowl production? Are they secure, or subject to human exploitation? This is the story of potholes, marshes, and river deltas, also waters of the north woods and tundra,

told by men who have often risked their lives in these areas to get the information needed for management of waterfowl.

More Duck Factories details in 3 chapters the duck-producing habitats lying outside the main northern range. Here there are stories of western marshes, or rice lands, of beaver ponds, of river bottoms, of coastal salt marshes, and of managed wetlands.

Goose and Swan Factories. This section describes and delineates principal breeding areas for geese and swans and follows these birds on migration from nesting grounds in the Arctic to winter quarters in the United States. It includes intimate details of life histories of the birds and appraises their future based on the nature of their habitats.

Down The Flyways is a regional review of waterfowl based on the flyway unit of management. What are the principal species in the Pacific, Central, Mississippi and Atlantic Flyways? Where do the birds come from? Where do they go? Which are most important in hunting and what is the outlook for the future? What species winter in Mexico and are they hunted to excess? This section answers such questions and gives a practical review

of the distribution and status of migratory waterfowl on the North American continent. It elaborates the factors working for and against the birds and suggests management needs in years ahead.

Nature At Work describes the many natural factors which influence the distribution and numbers of waterfowl. Beginning with glaciation -- the successive movements of great ice sheets -- which leveled mountains and scoured the plains thousands of years ago, the story moves forward in time to include discussions of climate, weather, predators, diseases and a host of other factors important to waterfowl.

Men At Work reviews the influences (good and bad) of humans as they use and modify the earth to suit their own purposes. In 15 chapters, all possible consequences are reviewed, from habitat-destroying drainage to pollution, lead poisoning, and harassment by boats and water skiers. Suggestions are included to improve the lot of waterfowl in times ahead.

Places to Hide -- and Seek is the story of lands reserved and developed for the exclusive or principal use of waterfowl and the public who enjoys them. It is an account of refuges,

sanctuaries, and of public and private hunting grounds in Canada and the United States. It is the story of Ducks Unlimited and of other private organizations and individuals in their common efforts to preserve wetlands for waterfowl.

A Helping Hand includes 14 chapters dealing with the management of waterfowl. Hunters and everyone interested in creating or improving habitat will find this section of particular interest.

Waterfowl Tomorrow is the closing section of the book. Emphasis is given here to the importance of international planning in waterfowl management. The viewpoints of the naturalist and the hunter as to the values and uses of waterfowl in tomorrow's world are cogently presented. The final three chapters are an appraisal of the future of waterfowl on the North American continent by top administrators representing Canada, the United States and Mexico. The section as a whole is a candid review by people who know of problems to be solved if waterfowl are to continue to grace the outdoor scene.

The sponsor of the book is the United States Department of

the Interior. It is produced under the auspices of the Department's Bureau of Sport Fisheries and Wildlife and the Fish and Wildlife Service. The production of the book was made possible by the cooperation and the good will of the 3 nations of the North American Continent -- Canada, the United States, and Mexico.

Topography and design are by Frank Mortimer and Clifford Shankland of the United States Government Printing Office. The text type, in a 2-column format, is 10 point Baskerville leaded. Display type is Caslon italic and Baskerville. The book is bound in cloth and stamped in gold. Paper used for the body of the book is 100-pound opacified white offset. The Library of Congress Catalog number is 64-60084.

The editors of Waterfowl Tomorrow are Joseph P. Linduska and Arnold L. Nelson. Dr. Linduska is widely known in wildlife conservation circles. He is a former Chief of Game Management for the Fish and Wildlife Service and presently is Director of Public Relations for Remington Arms Company. His services as editor were performed without compensation as a Collaborator of the Bureau of Sport Fisheries and Wildlife. Mr. Nelson is

a former Director of the Patuxent Wildlife Research Center and has been in wildlife conservation for more than 30 years. He is a co-author of American Wildlife and Plants. He is currently Assistant to the Director of the Bureau of Sport Fisheries and Wildlife.

The art illustrator for Waterfowl Tomorrow is Bob Hines, Artist for the Fish and Wildlife Service. The more than 80 pencil drawings in the book are his creations. He is the designer and artist for the four U. S. Wildlife Conservation Postage Stamps and of the 1946 U. S. Duck Stamp. His illustrations have added interest to many books on wildlife.

The 194 photographic illustrations came from 29 sources. They tell a waterfowl story by themselves. More than 3000 photographs were submitted to the editors as candidate illustrations for Waterfowl Tomorrow. The pictures finally selected for the book are the work of 72 photographers.

The 103 authors are from the staffs of: Federal and Dominion conservation agencies, State and Provincial game departments, colleges and universities, public service organizations, and private enterprises. In all, 42 agencies and organizations are represented in the authorship.

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The authors bring to the reader their own experiences and findings, but they also present a digest of an extensive knowledge about waterfowl that has been accumulating during the past 3½ decades. More than 1600 scientific and administrative reports and papers on North American waterfowl have been published since 1930.

There will be no general free distribution of Waterfowl Tomorrow. The book will be available for sale through the Superintendent of Documents, Washington, D. C. Single copies will cost \$4. In quantities of 100 or more books, a 25 percent discount will be given.

Canadians can buy the book from the Queen's Printer in Ottawa for \$4.

Limited distribution will be made in Mexico.

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