Fish, Fur and Feathers: Fish and Wildlife Conservation in Alberta, 1905-2005


This sumptuous, well-illustrated book is an eclectic mix of articles, reminiscences and interviews. The main text is on white paper, and the other contributions on yellowish paper. Only rarely does this confuse the reader but the white paper portion of chapter four ends in the middle of an incomplete sentence.

As expected with any product of a committee, some chapters are stronger than others. We often know who wrote a particular piece, but sometimes we don’t. Nowhere, not even at the end of the two-page Editor’s Note, are we told the name of the chief editor (Bill Wishart, as I learned from a special enquiry to Edmonton). At the end of each chapter are references and a useful chronological list of the main happenings.

In Alberta, as elsewhere, the responsibility for fish and wildlife management grew from a handful of voluntary game guardians to a diverse group of biologists and enforcement officers within professional, academic, and conservation communities. Yet for the better part of a century the emphasis was on fishing and hunting. In 1967 the first female biologist (now the president of the Canadian Medical Association) was hired, and only in 1987 was the first non-game biologist hired. Now there are 14 recovery teams developing and implementing plans for threatened and endangered species.

Some accounts are superb. The account of the change in farm policies and practices from threshing machines, grain separators, and wheat stalks to combine harvesters, is among the best I have encountered.

Alberta has had some unique successes. The Peregine Falcon restoration program, under the direction of Richard Fyfe, was immensely important. One week in the 1960s, biologists taught a three- or four-evening short course in wildlife biology and management, specially designed for Members of the Legislative Assembly; more than half of them attended! A M.Sc. thesis on the fish and wildlife damage inherent in the planned Highwood Dam helped to influence the shelving of that project.

Biographical information is generally excellent, giving credit to world leaders in biology, especially William Rowan. Even though this book is co-sponsored by the FAN, amateurs are somewhat slighted, except for Frank Farley, Cam and Joy Finlay, Elise McAllister, Myrna Pearman, Dewey Soper, and Kerry Wood. Edgar Jones is barely mentioned and Otto Höhn, Robert Lister and AI Oeming are omitted. Information resulting from bird banding is provided only as regards waterfowl. The Beaverhills Bird Observatory is not indexed. The outstanding studies of Golden Eagle migration west of Calgary by Peter Sherrington, the landmark studies of Ferruginous Hawk biology by Josef Schmutz, and the northern owl banding by the Edmonton group are not mentioned.

The compilers are frank about some of the bureaucratic bungles (“bureaucracies are often much too short-sighted,” page 207) and failures, such as legislation
drafted, but never proclaimed. The “biggest mistakes of the century” are identified as the transfer of diseased bison to Wood Buffalo Park, game farming, predator control attempts, “too many fishermen,” and loss of habitat.

There are a few errors of fact and interpretation. The two-page account of the Prairie Farm Rehabilitation Administration is unusually misleading when it speaks of 87 community pastures by 1999, omitting the fact that only one (in three blocks within the Suffield Military Range) of these PFRA pastures is in Alberta. The American White Pelican was threatened, never endangered (page 341). Gary Pelchat was born in Pon-teix, not the never-existent Phoenix, Saskatchewan. David Munro is misspelled “Munroe”. The first two Franklin Arctic expeditions were hoping to find an arctic sea route, not an overland route to Asia. The index is inadequate, failing to index names of any organism (e.g., pronghorn, ring-necked pheasant, and liver fluke). For consistency, the book title might better have been *Fin, Fur and Feathers*.

With pressure from an increasing urban human population, highways, and mechanization of farming, mining, oil extraction, forestry, dams and irrigation, it will be difficult to maintain biodiversity in the decades to come. Some hope may be gained from looking at both the successes and failures of the past.

A large book, it is too heavy for bedside reading. Caveats aside, this is a wonderful collection of information that should be in all major Canadian libraries, and read by everyone interested in the history of fish and wildlife conservation and management.

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The Gulf of Alaska: Biology and Oceanography


Alaska is perceived “…as a place of wilderness, beauty and a special way of life”. This book describes the Gulf of Alaska (GOA), a region with many world records. Besides covering a huge area, having the third largest permanent ice field in the world and being a central place, crossroads, for almost all of the Pacific salmon, GOA also is among the most productive oceans in the world.

The introduction is a chapter on general oceanography for the lay public; the classic concept of the ‘Conveyor Belt’ is presented. Due to its ecological importance, I like the human footprint statement such as “Human uses of the GOA are extensive” and “… it is rare to walk the intertidal zone anywhere in GOA without seeing evidence of human activity”. The “…marine pollution and floating refuse from as far away as Asia, or originating from deliberate deep-ocean dumping or accidents at sea, can be swept north and westward around the shelf edge in the GOA. Trash from the international fishing industry operating 200 miles offshore is commonly found on beaches”. Further, one will read that GOA has arguably the best known rocky tidal zone anywhere in GOA without seeing evidence of human activity”. The “…resource). Fortunately, sea floor dredging effects are explained, since fishery impacts to the soft-bottom benthic community are a possible driver of community change. It is suggested in the book text that this affects Steller Sea Lions as well.

Despite all of this overwhelming evidences of limited ocean supplies, some book contributors still claim in their chapters the traditional views of “unlimited resources”. Other sections blame the “stocks” and anglers for their impacts (rather than their managers with a governmental mandate for safeguarding the public resource). Fortunately, sea floor dredging effects are explained, since fishery impacts to the soft-bottom benthic community are a possible driver of community change. It is suggested in the book text that this affects Steller Sea Lions as well.

Throughout, the book shows that for non-commercial species we lack management information. These sections blame the “stocks” and anglers for their impacts (rather than their managers with a governmental mandate for safeguarding the public resource). Fortunately, sea floor dredging effects are explained, since fishery impacts to the soft-bottom benthic community are a possible driver of community change. It is suggested in the book text that this affects Steller Sea Lions as well.

Even apart from all of these severe marine issues mentioned in the book, the described terrestrial situation is equally puzzling: The book states that in the GOA, 24% of the water bodies listed are on the state’s list of polluted sites attributed to some aspect of logging.