

Development of the Arctic-Yukon-Kuskokwim salmon database management system, Study No. 04-701

The Alaska Department of Fish and Game (ADF&G), Division of Commercial Fisheries, Arctic-Yukon-Kuskokwim (AYK) Region is creating a salmon database management system (DBMS). The goal of the database is to provide managers, researchers, and the public involved in salmon fisheries in the AYK Region with a system to enter and process new data, as well as to retrieve historical data. By June 30, 2007 the AYK salmon DBMS will allow users to store, modify, and extract AYK project listing data, biological measurements of age, sex, and length (ASL), escapement data, and Norton Sound test fisheries data through an Internet site. Extraction and reporting through the Internet of subsistence and commercial harvest data will also be completed for Norton Sound by June 30, 2007. This report represents an annual report for two projects providing funding support. It is the fourth year of funding from the Fishery Disaster Relief Program for Norton Sound (NOAA NA16FW1272) which supports Norton Sound components of the AYK salmon DBMS and the second year of funding from the United States Fish and Wildlife Service, Office of Subsistence Management for project FIS 04-701. During this reporting period (July 1, 2005 through June 30, 2006) the design of the central database was finalized and data were loaded from intermediate databases through 2005. Standardization and review was completed for database components involving aerial survey, escapement count, Norton Sound test fish and ASL data. The project listing database was integrated into the central database, and metadata records were completed for each management area, species and dataset. Data have been distributed to researchers upon request. Finally, computers purchased for this project were configured as servers, brought on line behind the state firewall as "intranet" servers for testing, and finally integrated into ADF&G's network.

Brannian, L. K., K. R. Kamletzr, H. A. Krenz, S. StClair, and C. Lawn. 2005. Development of the Arctic-Yukon-Kuskokwim salmon database management system, 2005. U.S. Fish and Wildlife Service, Office of Subsistence Management, Fisheries Resource Monitoring Program, 2004 Annual Report (Study No.04-701). Alaska Department of Fish and Game, Special Publication No. 05-10, Anchorage.