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THANONG THONGPHUBATE: MANAGEMENT INFORMATION SYSTEM FOR CHUMPHON MARINE FISHERY DEVELOPMENT CENTER. THESIS ADVISORS: SITTIPONG DILOKWANICH, Ph.D., KASEM KULPRADIT, M.Sc., SUTTINANT NANTACHIT, M.S. 106 p. ISBN 974-664-800-4

The purpose of this thesis is to study the problems of information procedures from marine fishery resource centers and develop an information system for Chumphon Marine Fishery Development Center. This system will store, edit and search for data, both attribute and spatial data according to various coordinated groups at Chumphon Marine Fishery Development Center.

The information system was developed by analysis and design procedure. It includes data of fishery resource studies : resources, biology surveys, environmental and oceanography data, fishery resource surveys, and fishery sources. A developed relational database used Microsoft Access 97 and Microsoft Visual Basic 6.0 to improve the efficiency of user interface and the database management system. A geographic information system was utilized and integrated with the system to present marine fisheries spatial information. Two target groups evaluated the system, users in the level management information system and in the level transaction processing system.

The evaluated results found that the information system is suitable for Chumphon Marine Fishery Development Center. The information system can store, edit, search, and analyze both attribute and spatial data, and create reports about fishery resource studies more simply, correctly, quickly, and efficiently. The information system can be used in other marine fishery development centers for standardization.