

Thesis Title **Ground Water Resources Management Information
System of Thailand**

Name **Suriya Thanawatdej**

Degree **Master of Science
(Technology of Environmental Management)**

Thesis Supervisory Committee

Linda Wongsanupat, M.Sc

Kritsanarak Theerarut, M.Sc

Posit Nippitawasin, M.Sc

Date of Graduation 14 October B.E. 2537 (1994)

ABSTRACT

At present, both of the private and public sectors want to develop information systems which are necessary for the administration, personnel, production and policy planning.

The objective of this research is to design and develop a computerized information system for ground water resources of Thailand. This information system consists of 3 subsystem : Location of well, Physical of well and Ground Water

Quality. The researcher designed and created 3 files for location of well, 1 master file for physical of well, 1 master file for ground water quality and 2 auxiliary files. Data collection of each subsystem was obtained from the Public Works Department.

The researcher used a microcomputer and dBase III⁺ to develop programs and compiled the programs with clipper. The system provides data maintenance which covers all data entry and data updating. A user is able to obtain the required information both on screen and on printer in Thai language.