

Thippaphone Keoviliyavong 2011: Role of Water User Group on Irrigated Water Management :
A Case Study of Chomthong Irrigation Project, Vientiane, Lao PDR. Master of Science
(Watershed and Environmental Management), Major Field: Watershed and Environmental
Management, Department of Conservation. Thesis Advisor: Mr. Kittichai Rattana, Ph.D.
176 pages.

This research aimed to study 1) state of socio-economic and water resource using of water user on water irrigation in Chomthong Project, Vientiane, 2) role and factors that affected to water management of irrigation water user in Chomthong Project, Vientiane and 3) suggestions to develop role of irrigation water user in Chomthong Project, Vientiane. The populations were 161 irrigation water users in Chomthong Project. Questionnaire was used as a tool to collect data and then processed data by computer program. Analytical statistics that had been used in this research were the percentages, the arithmetic mean, the standard deviation, t-test, F-test and Scheffe' paired - test with statistical significant level of 0.05.

The results of this study showed that most of the samples were male, aged between 40 – 49 years old, completed secondary education, being head of family and with 5 – 6 family members. Their social status was member of community, live in community since they were born but tend to move from community in order to cover their house expense. Most of them own less than 1 hectare land, doing agriculture as a main career and doing plantation as a minor career, earned family income between 5,000 – 6,000 baht per month or more than 16,001 baht per year. About role of water user on water irrigation management, they had given overall opinion in moderate level. They had also given each aspect from highest to lowest level; maintenance, support of irrigation officer, irrigation water management and administration among water users.

From hypothesis testing, the research found that factors that affected to water management of water users in Chomthong Project, Vientiane were main career, family's income per year, participation in water using planning, water using planning, water using planning to agricultural area meeting, sufficiency of water to agricultural area, participation in water distribution planning, water using cycle setting and condition of ditch and irrigation building in agricultural area

Student's signature

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