

Adisak Kaewthong 2006: Improvement of Water Resources Allocation in Huai Mong Electric Pumping Irrigation Project, Nong Khai Province. Master of Science (Forestry),
Major Field: Watershed Management, Department of Conservation. Thesis Advisor:
Associate Professor Samakkee Boonyawat, Ph.D. 149 pages.
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Improvement of water resources allocation in Huai Mong electric pumping irrigation project, Nong Khai province is the surveyed research. The purposes of this project are to study the opinion of farmers who need water for cultivation, problems and to find out more efficiency solution of water resource allocation of this project and other similar projects by gathering the secondary information and interviewing stakeholder of the project consisting of 165 farmers, 40 project committee members and 20 project officers. The research was taken during dry season crop year 2002/2003. The statistic analysis are the percentage and the average values.

The results revealed that most members have their own land of 1-10 rai, about 67.9% get water directly from the project irrigation channels and 32.1% get water from other members. Most members are satisfied with the project irrigation system and think that the project's officers have quite high ability to solve problems promptly. However, the opinion of project committee views that the project officers should have the schedule of irrigation period, irrigation channel restoring together with improving the regulation and prompt budget. The opinion of Huai Mong project officers would like to set up the strong water using organization in order to decrease the expense in restoration and the conflict in water intake into their cultivated area.

The suitable solutions for improving the administration of water using organization are to have a meeting for informing and planning the cultivation as well as letting all members and committee know their turn of irrigation in advance together with improve the water using regulation. The project must also have to restore the irrigation channels and pumping machines maintenance which have been used for too long period and to be ready for use at all times. Encourage and public participation in working among the project officer and the committee of water using organization.

Student's signature

Thesis Advisor's signature