

Wattana Krajangyuth 2014: Factor Affecting Risk Water Resources Utilization of Local Community in Upper Tha Chin Watershed : A Case Study of Sapan Hin Subdistrict, Nong Mamong District, Chai Nat Province. Master of Science (Watershed and Forest Environmental Management), Major Field: Watershed and Forest Environmental Management, Department of Conservation. Thesis Advisor: Assistant Professor Kitichai Rattana, Ph.D. 151 pages.

This research aimed to study socio-economic and factors relation risk water resources utilization of local community in Upper Tha Chin Watershed: A case study of Sapan Hin Subdistrict, Nong Mamong District, Chai Nat Province. Participatory Action research (PAR) was used as a tool, 325 questionnaires were used to survey data from 10 villages in Sapan Hin Subdistrict, Nong Mamong District, Chai Nat Province. Chi-square method was employed for the relationship analysis by using the statistical programme, with the given signification level of 0.05

The result revealed that the most respondent about 56 % were male, their average age 50-59 years, 21.4 % were Buddhist, had 4-6 household members, all of them were 74.2 %, They graduated at primary school level, 48.3 % and having agriculture, 25.3%. Most respondents has a good knowledge on Risk Water Resources and good level of participation of the community to participate in activities to hedge the utilization of water resources. People and they had high adaptation level, 92.60%. The factors affecting a risk water resources utilization of local community in Upper Tha Chin Watershed of main career, the borrowers, information receiving and experience of participants, community based adaptation and potentiality community.

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Thesis Advisor's signature