

Souphalack Thammason 2013: Forest Resource Utilization of Households in Na Mai Sub-management Area, Feuang District, Vientiane Province, Lao People's Democratic Republic. Master of Science (Resource Management), Major Field: Resource Management, Interdisciplinary Graduate Program. Thesis Advisor: Assistant Professor Nuchanata Mungkung, Ph.D. 112 pages.

This research was conducted in Feuang District, Vientiane Province of Laos. It aimed to study 1) socio-economic characteristics of households, 2) Forest management characteristics of the sample households, 3) type, quantity, and value of forest resource utilization of households, and 4) community's forest resource management in research area. Sample group was 196 households living in 4 villages within Na Mai Minor Protectorate Area, namely Ban Na Bon, Ban Na Mai, Ban Nong Ped and Ban Na Seang. interviewing was used as a tool to collect data and then evaluated by using computer statistical program. Analytical statistics included frequency, percentage, minimum value, maximum value, the arithmetic mean and value of forest resource utilization analysis.

The research found that most of the sample group or about 75.5 % were male, aged average 43 years old. earned income average 110,166.84 baht per year while average expenses were 49,797.29 baht per year. Sample households use 22 types of forest products, namely, *maisod*; *Oxytenanthera parvifolia*, *maiheir*; *Schizopachyum zollingeri*, *rattan palm / Calamus sp*, *Logs*, *Auricularia sp*, *Letinus Sqrrosulus*, *Schisophyllum commuue*, *Schisophyllum Commuue Fr*, *bamboo shoots: maiheir*; *schizopachyum zollingeri*, *bamboo shoots: maisod*; *Oxytenanthera parvifolia*, *Vegetable fern*; *Diplazium esculentum*, *Lasia spinosa (L.) Thwaites*, *Melientha suavis*; *Sauropus androgynus (L.) Merr*, *wild boar*, *squirrel*, *Bamboo rat or Mole rat*, *frog*, *crab*, *fish*, *Ant egg*, *Kuaham*, *Firewood*. The forest products were collected for home use and sale. The mean annual net value of forest resources utilization for all households was 13,833.73 baht per household, while the mean annual net value of forest resources utilization overall for the upper Na Mai Sub-management Area, was 5,505,824.54 baht per year. The analysis results on forest management showed that the Fueang District Office of Agriculture and Forestry is the key actor that provide technically and financially supports the Village Forest Unit to protect their forest. For forest resource management of community, The households had overall opinion towards forest resource management at good level (mean 3.53). When consider aspect by aspect, the research found that the sample group had opinion at good level in all aspect which were as follow; rules and regulations for community's forest resource utilization for conservation (mean 3.61), organization (mean 3.50) and community's participation (mean 3.45) respectively.

The present research suggests Fuang DAFO to raise awareness to the local on forest conservation, restoration as well as to extend knowledge or train them on sustainable harvest and utilization of forest resource.

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Thesis Advisor's signature