Sujittra Srichan 2012: Formulation of Participatory Forest Resource Management: A Case Study of Koo Mueang Arboretum, Sing Buri Province. Master of Science (Forest Resource Management), Major Field: Forest Resource Management, Department of Forest Management. Thesis Advisor: Ms. Nittaya Mianmit, Ph.D. 103 pages.

The objective for this research is scoping the forest resource management guideline and community participatory at Koo Mueang arboretum, Sing Buri Province by Stakeholder Analysis and SWOT Analysis (strengths, weakness, opportunities and threats) to scope the forest resource management guideline and determination the relating. The using data was collected by employing the designed questionnaire interviewed 308 households. Descriptive Analysis and Relationship Analysis were employed for the data analysis.

The study found that the average age of respondents was 50 years, most of them 47 percent completed primary education 63 percent engaged in non-agricultural occupations. The average annual household income was 116,806 baht per household.The average size of land holding per housrhold was 6 rais. 94 percent was born here.72 percent non-member social groups. 66 percent never attended social activities. 94 percent never have been training. most of them 89 percent. Requirements the forest resource management guideline and most of them 89 percentof the interviewed accepted on the forest resource management guideline.

Chi-square is the statistical analysis method employed for testing the hypothesis, with the given significance level of 0.05. Furthermore, showed the factors that effect on acceptable for the forest resource management guideline are ages, education, domicile and size of holding areas and knowledge in forest resources conservation.

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