

Montonphetch Sadsan 2012: Valuation of Deforestation in Mangrove Forest Area, Samut Sakhon Province. Master of Science (Forest Resource and Environmental Administration), Major Field: Forest Resource and Environmental Administration, Faculty of Forestry. Thesis Advisor: Assistant Professor Pasuta Sunthornhao, Ph.D. 101 pages.

The objective of this study were to assess the overall value of mangroves from deforestation and to develop guideline of people awareness in mangrove forest value. The study employed people interview and set up temporary sampling plot according to site quality. Then the analysis method was valuation in term of use and non use mangrove forest.

The study found, most of respondents indicated socioeconomic situation were female, age range 29-54 years old, buddhists, married status, the number of household members of 4-7 persons with graduated primary school, the employ, commercial, and fishing are main occupation which their income and expense of 10,001-20,000 Baht per person per month. The mangrove forest valuation indicated, direct use value of 570,009,716 Baht, indirect use consisted carbon dioxide sequestration value, preventive coastal erosion value, hatchery value, and mineral storage value were 476,765,071 190,510,000 925,327,679 and 1,002,095,605 Baht respectively. While the value of option, existing and bequest were 31,746,173 25,928,331 and 29,134,948 Baht respectively. Therefore, the entire value of mangrove forest in term of use and non-use is 3,251,517,522 Baht or in case of this mangrove forest is destroyed by any reasons, the above total value could be replace its deforestation.

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Thesis Advisor's signature