

Sasiwimol Buranarak 2009: Site Analysis to Allocate Sustainable Land Use Pattern at Bantupberg Watershed, Wangban Subdistrict, Lomkao District, Phetchabun Province. Master of Science (Sustainable Land Use and Natural Resource Management), Major Field: Sustainable Land Use and Natural Resource Management, Interdisciplinary Graduate Program. Thesis Advisor: Associate Professor Veerasak Udomchoke, D.Tech.Sc. 125 pages.

The objective of this study was to analyze the natural resource potential and environmental status of Bantupberg Watershed, Wangban Subdistrict, Lomkao District, Phetchabun Province to allocate sustainable land use and pattern for resource management planning.

The results revealed that the rainfall potential was in the medium level where as the climatic conditions was in the nature level. The potential of water resources was in the low level, but water quality were in the nature status. The potential of soil fertility was in the low level, but nature level for soil erosion status. Economic as well as social situation were in the crisis level.

Land use planning and natural resource management at Bantupberg Watershed, Wangban Subdistrict, Lomkao District, Phetchabun Province guided to classify the area into conservation zone and utilization zone. Check dam construction and reforest remediation should be carried out in the conservation zone as well as water storage area, soil and water conservation practices for erosion control and organic fertilizer strategy will be run in the utilization zone. The community co-operative shop should be established in order to combine agricultural product and increase negotiate power. The minor job should be training for higher income and lower migration from the communities.

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Thesis Advisor's signature

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