

THE EFFECT OF NATMAUK DAM ON CROP
PATTERNS: CASE STUDY OF NATMAUK AND
MYOTHIT TOWNSHIPS, MAGWAY DISTRICT

PhD DISSERTATION

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Abstract

Dam plays a critical role on crops cultivation in Central Myanmar. Natmauk Dam lies within Magway District in Dry Zone area. It controls the cropping patterns of the study area. Cropping pattern dominates the land cover and land use. In this paper, suggestion for the benefit of socio-economic conditions that is affected by dam and cultivated crops condition caused by dam and environmental situation of land cover, soil conditions caused by dam will be analyzed. Land use types and cultivated crops data will be taken from statistical data and socioeconomic conditions from questionnaires survey. Land cover situation will be revealed through the use of satellite imagery and soil erosion will be calculated using by E_{30} Model with the help of Normalized Different Vegetation Index (NDVI) and Digital Elevation Model (DEM).

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