

**Abstract**

Research Title : The Forecasts Water Level in the Mae KlongRiver  
Lower by the Decline of Agriculture in  
Samutsongkhram Province

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Over the past decade, tourism in Samut Songkhram has become more and more popular, changing the demand for land. The area that was formerly agriculture changed to accommodate more tourists. Many of the buildings are dug into the ditches that are dug into the fields or gardens that are called "trunks". Most of them are built to build a resort on the water. The deep grooves in the groove are dry, resulting in the grooves that help the water in the water or during the wet season can no longer support the water. The result is that the water level in the Mae Klong River is higher than normal. Since the area was a monkey cheek, folk wisdom has decreased. In this research, we have studied the level of water caused by the decrease of agricultural area in Samut Songkhram province. Objectives 1. To analyze the reduction of agricultural area, which is the area of Samut Songkhram province. 2. To estimate the water level in the Lower Mae Klong River from the decline of agricultural land in Samut Songkhram Province. The results showed that the simulation of agricultural land degradation by the Nays2D Flood model resulted in a slight increase in river water level. The highest annual water level in Mae Klong River is likely to increase due to other factors. Cause of overflow in the area along the Mae Klong River.

Key words : Lower Mae Klong River, Agricultural Area