

Research Title	A Study of Physical and Socio-Economic Features of Nakhon Nayok Province for Further Development Planning
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Year	1996

ABSTRACT

From the geomorphological point of view, most of the study areas are floodplains affected by the sea in the past. The chemical characteristic of the soil, therefore, is acid. The so-called acid found in the floodplains especially in the terrain mapping units 4 and 5 is unsuitable for agriculture.

The result of the mean monthly rainfall variability analysis indicates that there is a rainfall of 200 mm or more during the period from July to September with a probability of 75%, while a rainfall of 24 mm or less exists in the dry season with a probability of 75%. The lack of rainfall in the dry season causes serious difficulties to agriculture. To solve this problem, water must be sought.

An analysis of seasonal variation of flow has found that there is a discharge of 10.45 cubic meters per second during the period from June to November with a probability of 90%. In other months, the discharge is less than 10 cubic meters per second. It is also found that ninety percent of the days in each year, the flow is less than 0.05 cubic meter per square kilometer.

The findings of the above analysis indicate that a water shortage crisis has already occurred in the study area. It is, therefore, essential to construct a multi-purposes dam.

Due to the water shortage, agricultural activities ought to be adjusted from single or double cropping to integrated agricultural activities.

With agricultural production surplus, more agro-industrial activities should be undertaken. In addition, electronic parts and tourism industries should also be introduced in order to increase an important role of industrial sector in the economic structure of the study area.

The location of the industrial park is also analyzed, using GIS Program, namely ILWIS. It is found that the area within the distances of 2 and 5 kilometers from roads no 33, 3052, 3049 and 3288 are suitable and moderately suitable, respectively for the location of the industrial park.