

C835331 MAJOR URBAN PLANNING

KEY WORD: NITCHAREE SAIPRATUMTIP : DEVELOPMENT GUIDELINES FOR SICHANG ISLAND, CHON BURI PROVINCE. THESIS ADVISOR : ASSOC. PROF. WANNASILPA PEERAPUN, Ph.D. 335 pp. ISBN 974-331-594-2.

This study is aiming at proposing guidelines for sustainable development of Sichang Island, Chon Buri Province in accordance with its potential and carrying capacity and to maximize benefits to local community, the region, and the country. The proposed guidelines can appropriately cope with future changes within the area.

This study employs primary data from field surveys and interviews as well as secondary data to learn about the area development. The focus is on the main activities -the development of the deep-sea port and tourism, their impacts and subsequent problems. Carrying capacity is utilized as a tool to analyze development potential and trend as well as to provide guidelines for future development.

According to the study, the development have caused problems of several types in the area. From the problem structure, it is found that problems systematically link with each other as a result of an inefficient management and inability to control and promote development in accordance with development potential and carrying capacity at both policy and implementation levels. The study of carrying capacity in terms of ecology, infrastructure, and social reveals that the present development does not exceed ecological and social carrying capacity, except for infrastructure carrying capacity during high tourism season when there is a high demand on space and infrastructure. In addition, there is an imbalance between supply and management, resulting in a decrease in ecological and social carrying capacity.

The proposed development guidelines centers on the integration of passive tourism that links to regional and provincial development and the development of the deep-sea port and warehouses without manufacturing industry. To achieve the development goal, the following are proposed : (1) land use guidelines; (2) infrastructure development guidelines; (3) development promotion and control guidelines; (4) planning implementation guidelines. They cover all development areas and could systematically cope with solve the problems. They also abide with the carrying capacity of the island-the most important factor for the conservation of resources and for sustainable development.

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