

MANAGEMENT STRATEGIES

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Zoning Strategy Study

PERIOD: Oct 1979 - March 1980

ORGANIZATION: Environment Science and Services

PROJECT LEADERS: Ms D. Anderson
Mr D. Pitts

CONSULTATION AND LIAISON: Zoning Strategy Study Group

PROJECT OFFICER: Mr J. O'Dwyer

SUPERVISOR: Mr R. Kenchington

FINANCIAL SUPPORT: GBRMPA - \$31,500

OBJECTIVES

To prepare zoning strategies for the proposed Capricornia Section of the Marine Park.

This shall include:

- an inventory of existing data, usage impacts and constraints;
- development of, and comparisons between, alternative strategies.

IMPLICATIONS/MANAGEMENT NEEDS

To facilitate development of a zoning plan for the Capricornia Section of the Great Barrier Reef Marine Park.

METHODOLOGY

The project was divided into three phases:

Phase 1 - Data Collection and Analysis

- (i) An inventory of the natural resource base and human factors within the Capricornia Section based upon currently available information.
- (ii) An appraisal of available evidence describing the impacts of various human activities within the Capricornia Section.
- (iii) Identification of existing constraints and opportunities that should influence future use and management of the Capricornia Section.

Phase 2 - Strategy Generation

Preparation of alternative strategies for future use and management of the Capricornia Section based on the output from Phase 1 and in accordance with the objects specified in Section 32(7) of the *Great Barrier Reef Marine Park Act 1975*.

Phase 3 - Strategy Evaluation

Evaluation of the alternative strategies developed in Phase 2 using recognised multi-criteria procedures.

STATUS

The project has been completed.

A report was prepared for GBRMPA by Environment Science and Services in association with the Zoning Strategy Study Group. The report will be published in 1983-84.

Environment Science and Services. 1979. Zoning Strategy Study based on the proposed Capricornia Section of the Great Barrier Reef Marine Park. Report to the Great Barrier Reef Marine Park Authority.

LOCALITY: Capricornia Section

Demonstration of SIRO-PLAN in the Cairns Section

PERIOD: Dec 1981 - April 1982

ORGANIZATION: CSIRO, Division of Land Use Research

PROJECT LEADER: Dr D. Cocks

PROJECT OFFICER: Dr W. Craik

SUPERVISOR: Mr R. Kenchington

FINANCIAL SUPPORT: GBRMPA - \$5,000

OBJECTIVES

To demonstrate the SIRO-PLAN land-use planning method in developing SIRO-PLAN draft zoning plans for the Cairns Section, to support the zoning plan development procedures normally used by GBRMPA.

IMPLICATIONS/MANAGEMENT NEEDS

This study should assist in drawing up draft zoning plans through the digestion of diverse multiple data sets. It can illustrate the effect of different strategies on the draft zoning plan.

METHODOLOGY

The steps proposed to meet the objectives are: (i) specification of zoning categories and policies; (ii) specification of policy satisfaction indicators and data needs; (iii) completion of planning base map and data acquisition; (iv) completion of the computer program and production of discussion plans.

STATUS

A demonstration of the SIRO-PLAN method applied to the Cairns Section of the Great Barrier Reef Marine Park has been made.

Final report to GBRMPA has been received and is under consideration.

LOCALITY: Cairns Section

The Terms of Reference of Information Acquisition Projects in Coastal Management

PERIOD: 1982

ORGANIZATION: Australian National University
Centre for Resource and Environmental Studies

PROJECT LEADER: Mr P. Macartney

PROJECT OFFICER: Mr J. O'Dwyer

SUPERVISOR: Mr D. Smith, Dr D. Cocks

FINANCIAL SUPPORT: GBRMPA Augmentative Research Grant - \$275

OBJECTIVES

To identify a set of guidelines for the format and for developing the content of the terms of reference of information acquisition projects. The terms of reference initiate information acquisition projects and specify procedural and substantive aspects of the same which are intimately related to the form and content of the final product/s.

IMPLICATIONS/MANAGEMENT NEEDS

This study is designed to assist an assessment of the steps involved in the Capricornia zoning plan development. It also has relevance to the planning in the Cairns area.

METHODOLOGY

Part 1 of the study is concerned with the development of a theoretical frame work and includes:

- (a) the development of a conceptual model of coastal zone management oriented to public authorities, decision making, management information systems and the role of the Australian Public Service;
- (b) the development of a set of guidelines for the format and content of theoretical ideal terms of reference for initiating information acquisition projects; and
- (c) the development of a method for assessing the guidelines.

Part 2 of the study is concerned with the maximization of the validity of the research results and includes:

- (a) the documentation of all coastal-zone-management-oriented Australian public authorities and the identification of similar authorities involved in developing resource management plans; and
- (b) the documentation of all the information acquisition projects conducted by the short listed authorities identified in the preceding step (from 1970 to 1980), and the selection of case studies from these projects.

Part 3 is concerned with the implementation of four case studies, the second one to be undertaken in the Capricornia Section of the Great Barrier Reef Marine Park in November 1982. The case study involves identifying information sources, explicit and implicit terms of reference and analysing real terms of reference with the 'ideal' terms of reference. Events which affected the development of the terms of reference will be documented and the differences between the real and 'ideal' terms of reference assessed. Finally a set of guidelines will be designed for the development of terms of reference for initiating information acquisition projects.

STATUS

The field work has been completed.

A chronicle of the events leading to the Capricornia Zoning Plan has been prepared.

LOCALITY: Capricornia Section

