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Abstract

The Fishery Agency conducted the investigations and researches on the restoration of tropical sea grass beds, which serves as feeding sites for dugongs, from FY 2001 to FY 2008, as a part of its project aiming at the coexistence of dugongs and the fishery. In addition to the results of the project, such as seedling production and transplanting techniques, the existing knowledge and information on the sea grass beds were collected and compiled in a booklet. The former part of the booklet "A review for the restoration of tropical sea grass beds" summarizes existing knowledge and information on 1) the component species, functions and roles, 2) habitats and environmental conditions, 3) the distribution area and standing stock and 4) dugongs' biology and the relationship with tropical sea grass beds, while the latter part explains 1) restoration techniques of sea grass beds using hand grass planting, 2) seedling production techniques using *Thalassia hemprichii*, 3) transplanting techniques of artificially produced *Thalassia hemprichii* and 4) monitoring of created or restored tropical sea grass beds.