

Asia Pacific Coral Reef Symposium

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ABSTRACTS SUBMISSION FORM

Abstract

CORAL REEF DAMAGE ASSESSMENT AND COMPENSATION FOR OIL SPILL IN THAILAND

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Oil pollution resulting from accidental oil spills of tankers will increase in the future as the demand for petroleum and petroleum products continues to rise. The inner and eastern Gulf of Thailand are risk areas for oil spills. Pollution Control Department has developed a manual for damage assessment from oil spills to provide databases of natural resources and land uses and guidelines to assess the impacts, restoration and compensation. Damage assessment for coral reef includes cost of coral reef survey to assess the impacts, public relation cost, oil spill clean up cost and restoration cost. Based on data of Royal Thai Navy's coral restoration project, cost for coral transplantation is 1,601-2,310 Bath/m² depending on the reef health before the oil spill. Monitoring and maintenance cost for the coral transplantation is 20% of the coral transplantation cost per year for a period of 20 years. Moreover, cost of restoration of affected reef fauna is also included.

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