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Durrat Al Bahrain: Environmental Impact Assessment



Following environmental inputs to a masterplan for the creation of the Durrat Al Bahrain island resort on the south eastern coast of Bahrain, an environmental impact assessment (EIA) for the dredging and reclamation works was undertaken.

As part of the EIA report, investigations of the existing environmental conditions of the area were carried out using biological/ecological/chemical surveys of the marine near-shore environment, hydrodynamic and sediment plume dispersion models, data collection, literature review and consultation.

A range of environmental measures were proposed in an Environmental Enhancement and Compensation Plan to enhance some of the natural attractions of the site for residents and visitors and to reduce some of the impacts of the development, especially dredging and reclamation. An important aspect of the environmental proposals was the protection of one of the offshore shoals, and the creation of a Marine Park.

Specific measures proposed, included the protection measures for the offshore shoal and sea grass habitats, creation of reef areas, creation of bird islands, the sinking of a vessel as an artificial reef and mangrove planting.

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