

# Department of Ocean & Resources Engineering

*Seminar*

## DAMAGE ASSESSMENT AND REPAIR RECOMMENDATIONS FOR THE REEF RUNWAY BREAKWATER AT HONOLULU INTERNATIONAL AIRPORT

by

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### **Abstract**

Rubblemound breakwaters are constructed for absorbing/dissipating wave energy to create safe areas behind them. However, these structures are flexible and need periodic maintenance, specially after heavy storm damage. Reef runway breakwater protects the Honolulu Airport from wave damage. The structure was constructed in 1975 and has weathered several severe storms. Oceanit was contracted in early 1998 to assess the condition of the breakwater, recommend repairs and to prepare plans and specifications for the repair work. The procedure followed in assessing damage, selecting priority repair areas and results of the evaluation are discussed in this seminar.