

*Phuket mar. biol. Cent. Res. Bull.* 61:67-81 (1996)

## **WATER QUALITY IN PHUKET BAY**

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### **ABSTRACT**

Phuket Bay is located on the southwest of Phuket Island. Sewage discharged from Phuket town and Phuket fish harbour are drained into the bay as runoff via Bang Yai and Tha Chin Canals. Water quality of the bay was monitored monthly at 9 sampling stations, during January 1994 to February 1995. The results showed that variation of water quality in the bay was strongly influenced by runoff associated with tidal action. Generally poor and unstable water quality was found at the bay-canal transitional zone while relatively high and stable water quality was found in the outer bay areas. Trends of seasonal variation and the fate of organic waste that drained into the bay are discussed.