

# Current Patterns Off the Outrigger

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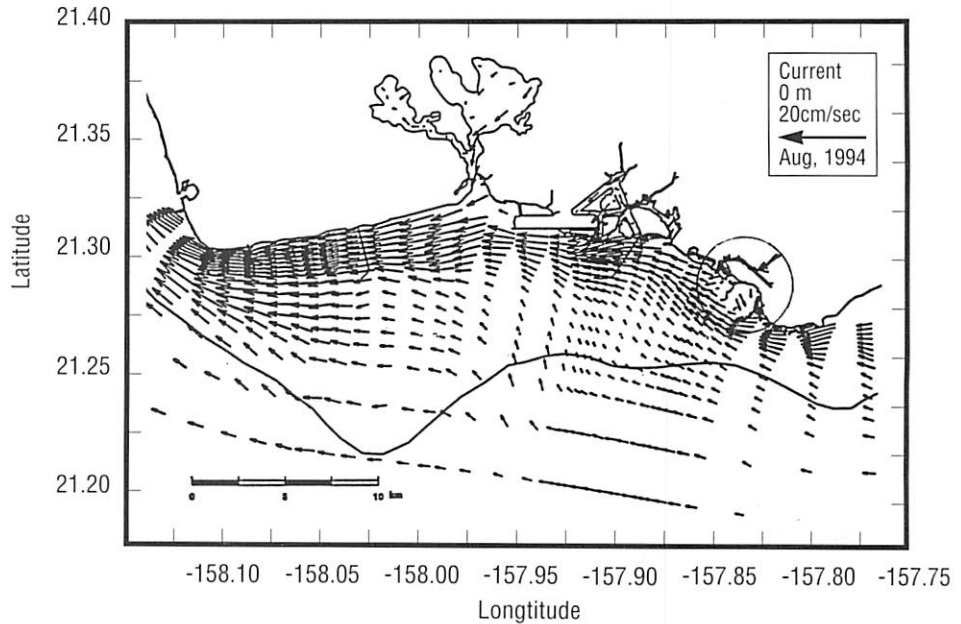
One of the interesting aspects of the Mamala Bay Study, commissioned by the City and County of Honolulu as a result of the Sand Island sewage treatment plant lawsuit, is an analysis of the current patterns near the Club.

As you can see, the attached figures (reprinted from the draft study report, which was published earlier this year) indicate that during both tradewind and Kona weather, the current off Waikiki trends towards Diamond Head.

However, east of the Club, toward Tongg, the current trends towards Ewa when the trades are blowing, and towards Diamond Head during Kona weather conditions.

We've probably all noticed it's harder to paddle from the cliffs off Diamond Head back to the Club when the wind is out of the south, and that even when the trades are light during the Waikiki Roughwater Swim, the current still seems to set against us as we swim towards the Hilton.

The results of the Mamala Bay study appear to confirm what many of us think is happening in the ocean, based upon experience. ☐



Monthly Average Currents at 0 m Depth during Trade (top) and Kona (bottom) Wind Conditions.

