



COASTAL PHOTOGRAPH by Robert Brander

Measurements of sediment transport in a rip-neck channel at Palm Beach, NSW in May 1994. The sediment trap apparatus was built by Graham Lloyd of the University of Sydney following the design used by N. Kraus and J. Rosati at the DUCK85 experiment. The sediment rack with attached streamer traps was deployed next to an instrument pod consisting of 5 ducted flowmeters and a pressure sensor for 20 minute sampling intervals. Water depth during this photo was 1.8 m and the mean rip flow velocity during this deployment was approximately 0.5 ms^{-1} . Sediment fluxes decreased exponentially above the bed with more than 50% of the transport confined to the lower 10% of flow. Values of individual streamer sediment fluxes close to the bed averaged $10 \text{ kg m}^{-2} \text{ min}^{-1}$. (Photo: R. Brander.)