



## Nearshore Sticky Waters

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Wind- and current-driven flotsam, oil spills, pollutants, and nutrients, approaching the nearshore will frequently appear to park just beyond the break zone, where waves break. Moreover, the portion of these tracers that beach will do so only after a long time. In this environment we refer to the parking phenomenon as *nearshore sticky waters*, for which we offer a model when buoyant tracers are not subject to inertial effects. The solution to an asymptotic approximation to the model yields an explanation for the phenomenon and the conditions whereby it is expected to occur.