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Bloom of *Peridiniums quinquecorne* Abé in La Ensenada de La Paz, Gulf of California (July 2003)

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Microalgaeblooms are frequent and periodic throughout the year in La Ensenada de La Paz, a lagoon formed by a large sand bar enclosed at the southern end of the Bahía de La Paz in the southwestern Gulf of California. Brown patches of the dinoflagellate *Peridinium quinquecorne* Abé, an armored dinoflagellate that is cosmopolitan in neritic and estuarine waters, were observed in July 2003 near a beach at the mouth of the lagoon. The patches were about 50-100 m long by 10-15 m wide and persisted for two days when water temperature was 26.2 to 27 °C. The blooms occurred after four days of a heavy rain. Abundance of *P. quinquecorne* varied from 3.4 to 6.4 × 10⁶ cells l⁻¹ and chlorophyll a varied from 13.20 to 17.75 mg m⁻³. Concentrations of nutrients in this area were higher than normal, related to a continuous re-suspension of sediment caused by wave action. The higher nutrient content promoted formation of patches of *P. quinquecorne* in this part of the lagoon

Palabras clave: Tendencias espaciales, Specialist, canal artificial, microalgae bloom, *Peridinium quinquecorne*

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