

## PRODUCTIVITY OF THE BOLGODA LAGOON

W. V. Jayantha Perera *and* J. Jinadasa

( *Dept. of Biological Sciences,  
University of Sri Jayewardenepura, Nugegoda* )

The productivity of the Bolgoda lagoon was measured monthly for 18 months starting from January 1981 at two stations. Dissolved oxygen and certain plant nutrients were also monitored during the same period.

The dominant microflora for most of the year were microscopic green alga at the head and diatoms near the mouth. Quantities of dissolved nitrates and phosphates are highest from July to September and lowest from December to March, and in each case higher near the head than near the mouth of the lagoon throughout the year.

The amount of dissolved oxygen is high from June to August and from December to March.

The gross productivity of the lagoon is highest from November to January and lowest from July to August. It also increased from the mouth towards the head. The pattern of net productivity is parallel, except that near the mouth a reverse trend generally appears.