

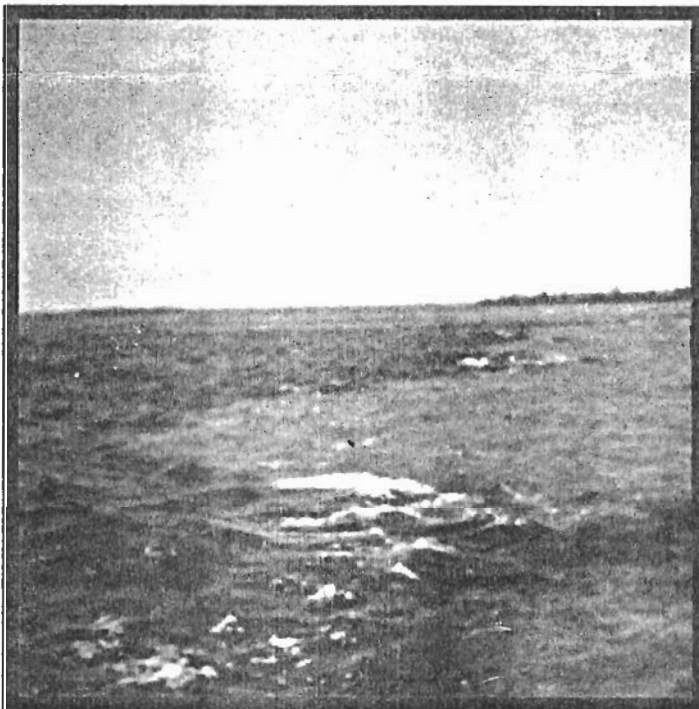


XXVI Congress of International Association of Theoretical and Applied Limnology

1995

July, 23-29
Anhembi Conventions Center
São Paulo - Brasil

ABSTRACTS



Meeting of River Solimões and River Negro (Amazon)

**Simultaneous event:
V Brazilian Limnological Congress (SBL)**

II-T-191

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LIMNOLOGY, GEOMORPHOLOGY AND ASPECTS OF THE CILIAR VEGETATION OF ITAPECURU RIVER BASIN (MARANHÃO-BRAZIL).

The tropical Itapecuru river located in the eastern part of the Amazon was investigated at the rainy and dry seasons in a six month interval. Physico-chemical variables such as temperature, conductivity, salinity, pH, dissolved oxygen, inorganic nutrients, total suspended solids, biological (total pigments), as well as geological and geomorphological aspects of the basin and the characteristics of the ciliar vegetation were monitored. The main results of the first excursions (september and november/94) have shown the evidence of three distinct zones of low profundity (0,67m to 4,00m), with acid, neutral and alcaline waters of low transparency with high concentrations of inorganic matter. An horizontal gradient of electrical conductivity, suspended solids and total pigments with concentrations more pronounced in the low course was detected possibly due to marine and mangrove vegetation influence. The preliminary geomorphological survey indicated agricultural explotation and deforestation more accentuated in the low course of the river.

Research supported by CNPq and FAPEMA