

Seasonal Changes in Water Quality Parameters of Bhatye Estuary (Ratnagiri) West Coast of Maharashtra, India

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Abstract: *The seasonal changes in water quality parameters on the coast of Bhatye estuary from January 2020 to December 2020 the investigation was conducted in Bhatye estuary. Transparency values ranged from 0.58 ± 0.16 to 0.92 ± 0.23 . Mean values of pH was varied from 7.5 ± 0.24 to 8.5 ± 0.43 . Atmospheric temperature varied from 27.3 ± 1.06 °C to 33.5 ± 1.02 °C. Surface water values ranged from 25.4 ± 1.02 °C to 30.7 ± 0.62 °C. Salinity of Bhatye estuary varied from 19.22 ± 0.45 to 35.34 ± 102 (‰). Dissolved oxygen was ranged from 32.22 ± 0.24 to 7.62 ± 0.52 mg/l. The rainfall was varied between 0.34 ± 0.01 to 133.3 ± 0.34 mm.*

Keywords: Environmental parameters, Bhatye estuary, Site selection, Low tide & High tide, Fishing Boat, Research Laboratory