

**P 36. IMPACT OF POLLUTION CAUSING WATER TURBIDITY ON OHRID LAKE OVER  
TRANSPARENCY VALUES SECCHI (ZSD, m) AND EUPHOTIC DEEPH (Zeu, m)**

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**ABSTRACT:** In the Ohrid Lake the transparency of the waters of the Tushemisht area, for the depth range of 1.0-5.0 m was higher compared to the transparency of the waters of skater's jets area. In the depths that are included in the bathymetric interval of 10.0 m to 30.0 m the differences in ZSD values between these two lake areas ranged from 0.14 m to 0.01 m. These values show that water transparency tends to be unified with the transition from small bathing values to its relatively high values. The Diapason of differences proved in average transparency Values Secchi may be indicative of the approximate levels of turbidity and water pollution in the areas of skater's jetty and Tushemisht and for less pollution of water in the Lin area, compared to the two other areas. The total average euphotic depth ( $Z_{eu} = 7.105 \pm 0.797$  m) resulted 3.06 times greater compared to the general average value of the Secchi  $ZSD = M = 2.325 \pm 0.287$ . There is strong correlation between these two parameters ( $r = 0.967$ ).

**Keywords:** Secchi depth, euphotic depth, turbidity, water pollution, conversion factor.