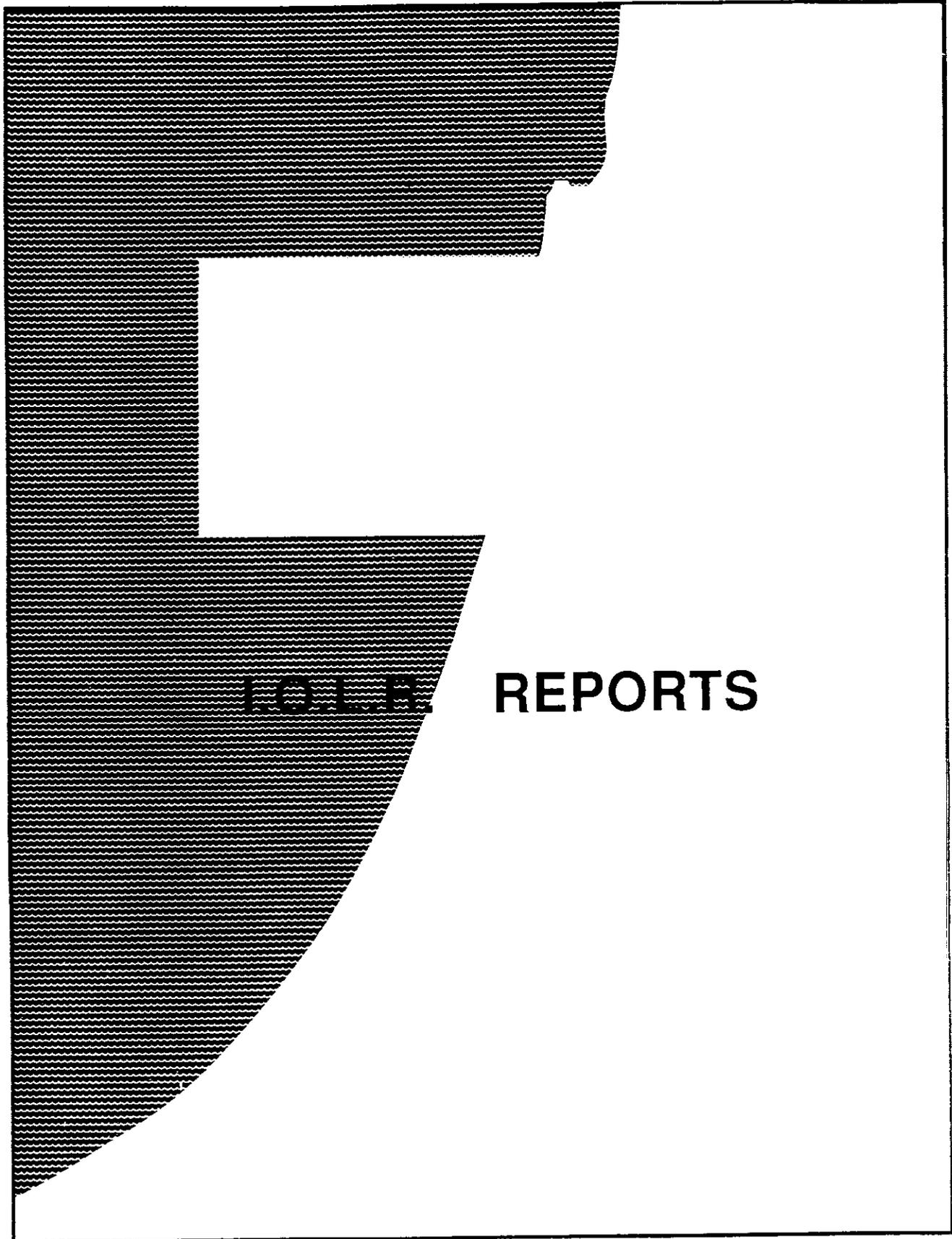


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I.O.L.R. REPORTS

INTERMEDIATE REPORT

Covering Period: May 1, 2002 – December 31, 2002

**Submitted to the Center for Economic Growth
U.S. Agency for International Development**

**Ecological effects of human activity on Lake
Issyk-Kul
H15/2003**

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Oceanography, Israel**

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Bishkek, Kyrgyzstan**

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**Report to contracting agency
CDR-CAR**

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II. EXECUTIVE SUMMARY

The present intermediate report covers the period of May to December 2002. Three expeditions in Issyk-Kul Lake were organized and conducted during July, August and October 2002. The water and sediment samples were taken at 60 m depths at near shore zones of Topuajgyr, Chyrpykty, Chok-Tal, Kurskoe and Dolinka Bays during the July expedition. The August expedition was related to water and sediment sampling from the deep zone of the lake. The samples were taken at depths of 300, 400 and 520 m. The October expedition dealt with the study of local pollution in the Cholpan-Atinsky Bay due to the discharge of municipal pollutants from several local hotels.

III. MANAGEMENT

Water samples and collected sediment were analyzed for salt and granulometric composition. Biogenic elements, organic pollutants and heavy metals (Fe, Cu, Zn, Cd, Sn, As, Pb) were also determined. Thus, all work planned by the research program for this period has been completely fulfilled. The results obtained will be discussed in detail in the final report which is under preparation.

IV. COLLABORATION

Full collaboration between the Israel Oceanographic & Limnological Research Institute and the Kyrgyzstan Institute of Irrigation, including Kyrgyz scientists, was conducted during fulfillment of the project.

V. ACKNOWLEDGEMENT

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