

PRELIMINARY CRUISE REPORT FORM

STATE DEPT. CRUISE NO.: **Voyage #172, Legs VII, VIII, IX
State File: 2002-097**

SHIP NAME: **Research Vessel *Knorr***

OPERATING INSTITUTE OR AGENCY: **Woods Hole Oceanographic Institution**

PROJECT TITLE: **Interactions of Mn, Fe, N and S cycles in suboxic/anoxic zones.
(funded by the National Science Foundation- Chemical
Oceanography)**

CRUISE DATES (INCLUSIVE): **April 10 to May 10, 2003**

CHIEF SCIENTIST (name, affiliation, address, phone, fax, e-mail):

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CLEARANCE COUNTRIES: **Turkey, Ukraine**

FOREIGN PARTICIPANTS: **See participants that are listed in bold font on Table 1 (attached).
They are also discussed in the Description of the Scientific Program.**

DESCRIPTION OF SCIENTIFIC PROGRAM: **See below including Color figure and Tables 1-5**

SCHEDULE OF DATA DELIVERY: **See Table 6 attached**
Data Description.....Date of Expected Delivery to Dept. of State

NOTE: We have already provided raw hydrographic data, station locations and event logs to the participants of the cruise including Turkish and Ukrainian colleagues.

Also, I made contact with Lt. Mustafa ÖZYALVAÇ from the Turkish Navy who obtained a M.S. degree from the University of New Hampshire. He was excited about our work and wishes for our return. He also would like us to do work in the Bosphorus and the Sea of Marmara. I already gave him our hydrographic data (6 CDs worth of information) and will send him other data as it becomes available. I did give him some plots of my group's raw data on oxygen and sulfide distributions in the water column of the Black Sea using an *in situ* electrochemical analyzer that we have developed. He is most anxious to have the final data. As a result of these meetings, I believe that we have some Turkish military and government officials who respect our work and concern for the Black Sea.