



**US Army Corps
of Engineers
Fort Worth District**

Media Advisory

Release No. CESWF-PA-03-001 Contact: Ron Ruffennach

For Release: Immediate 14 Oct 02 Phone: (817) 886-1517

Corps of Engineers to host activities for National Water Monitoring Day at Texas lakes

The Fort Worth District, U.S. Army Corps of Engineers, in cooperation with the Texas Commission on Environmental Quality and the U.S. Geological Survey, will be conducting water sampling at seven of its 25 lakes on October 18 for National Water Monitoring Day, created to mark the 30th anniversary of the enactment of the Clean Water Act.

Representatives from the three agencies will form teams to sample water quality at Benbrook, Canyon, Grapevine, Lavon, Waco and Wright Patman Lakes and Sam Rayburn Reservoir using the parameters listed on the attached sheet.

National Water Monitoring Day is being coordinated by America's Clean Water Foundation in cooperation with several other environmental groups and government agencies across the country. The primary purpose of this event is to take a "snapshot" view of rivers, streams, lakes and coastal waters throughout the nation by inviting citizen monitors, established volunteer monitoring organizations and federal, state, Tribal and local monitoring program staff to evaluate conditions within their local watersheds.

The Corps' Fort Worth District currently has an intensive water quality sampling program at 9 out of its 25 lakes in Texas. Comprehensive water quality surveys at these lakes include the measurement of various physical chemical and biological parameters including water temperature, dissolved oxygen, inflow and outflow volume, nutrients, chloride, sulfate, total dissolved solids, specific conductance, pH, bacteria, phytoplankton, volatile organic compounds, chlorophyll a, atrazine and its metabolites. Metal samples for inflows and outflows include aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, uranium, selenium, silver and zinc. Water quality monitoring and evaluation are essential components of the District' water quality program which is designed to assess the water quality of selected lakes and to accomplish the following basic objectives:

- a. Establish base-line conditions at these projects.
- b. Identify water quality problems and resolve those problems where possible.
- c. Gather monthly dissolved oxygen and temperature data to be used for thermal simulation modeling of lake projects during the design or modification stages to determine multi-level outlet sizing and location.
- d. Evaluate annual water quality trends to establish the magnitude of natural annual variations.

Water Sampling Locations
October 18, 2002

| <u>Lake</u> | <u>Testing parameters</u> |
|---------------|---|
| Benbrook | Water temperature, DO, DO % saturation, pH, specific conductance. Call Fred Jensen at 817- 886-1543. |
| Canyon | Water temperature, DO, DO % saturation, pH, specific conductance. Contact Jerry Brite, lake manager, at 830-964-2215. |
| Grapevine | Temperature, DO, specific conductance, pH, CL, SO4, TDS, indicator bacteria (fecal coliform and E. coli), phosphorus, phosphorus ortho, atrazine and its metabolites (depth integrated composite sample), NO2+NO3, and NH3. Call Shah Khan at 817-886-1541. |
| Lavon | Temperature, DO, specific conductance, pH, CL, SO4, TDS, indicator bacteria (fecal coliform and E. coli), phosphorus, phosphorus ortho, atrazine and its metabolites (depth integrated composite sample), NO2+NO3, and NH3. Contact William Crump at 817-886-1852 or Randy Niebuhr at 817-886-1882. |
| Sam Rayburn | Temperature and DO. Call Ed Shirley at 409-384-5716. |
| Waco | Temperature, DO, DO % saturation, pH, specific conductance. Call Paul Lauderdale at 817-886-1547. |
| Wright Patman | Temperature, DO, specific conductance, pH, CL, SO4, TDS, phosphorus, phosphorus ortho, atrazine and its metabolites (depth integrated composite sample), NO2+NO3, and NH3. Contact William Crump at 817-886-1852 or Randy Niebuhr at 817-886-1882. |

| | |
|---------|------------------------|
| DO | Dissolved Oxygen |
| CL | Chloride |
| SO4 | Sulfate |
| TDS | Total Dissolved Solids |
| NO2+NO3 | Nitrite plus nitrate |
| NH3 | Ammonia |