

To learn more about program opportunities please contact:

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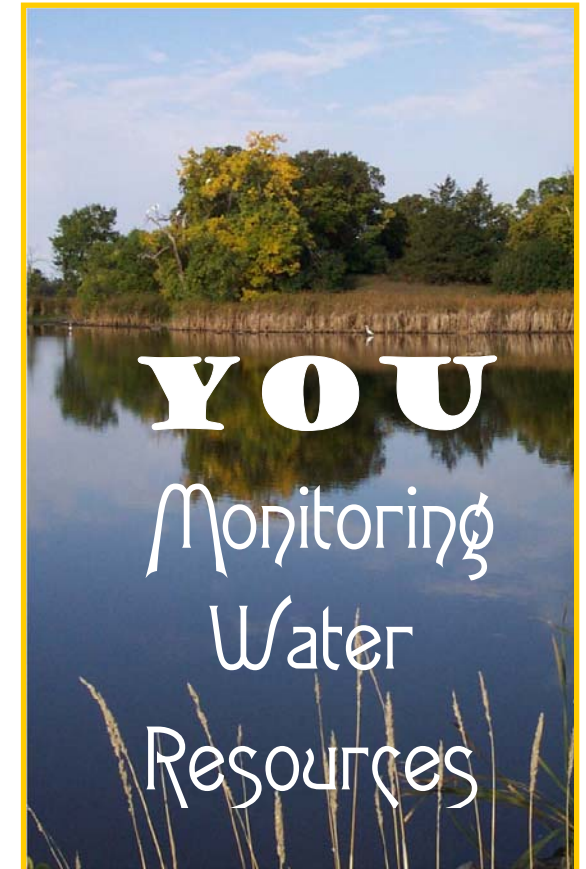
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**DAKOTA Water Watch** East Dakota Water Development District's volunteer water resource monitoring program. Program goals for water resources are:

1. Build community awareness;
2. Track trends;
3. Support local monitoring efforts; and
4. Connect local monitoring groups.



**EAST DAKOTA**  
Water Development District  
132B Airport Avenue  
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## *Interested in learning more about water quality in South Dakota?*

**DAKOTA Water Watch** is looking for **volunteers** to monitor lakes, wetlands, and streams. There are four ways to get involved in 2008.



### 1. LAKE INDEX SITE MONITORING

**Where:** Middle of lakes, monitoring from boat, canoe, or kayak.

**How:** Measure, observe, record data, and collect water samples.

**What:** Nutrient levels in lake ecosystem, physical/biological environmental conditions.

**Schedule:** April through October-twice a month; any day the week, middle-of-the-day; two water samples collected during May-September must be collected Monday-Thursday.

**Time:** 1.5 hours per monitoring event, ~20 total hours.

**Notes:** Water samples (2) are shipped to State Health Lab in Pierre for analysis. Good fit for volunteers with watercraft and flexible time Monday through Thursday.

### 2. SCREENING/BASELINE MONITORING

**Where:** Volunteers choose a sample site at lake, stream, or wetland. Monitoring from shoreline, bridge, or boat.

**How:** Measure, observe, and record environmental data.

**What:** Physical conditions, recreational uses, and land use activities to assess current conditions and long-term trends in water body.

**Schedule:** April through October-once a week to twice a month; any day of week in the middle-of-the-day.

**Time:** 1/2 hour per monitoring event, 15-20 total hours.

**Note:** Data sheets mailed to program manager, most flexible and convenient monitoring option.



### 3. BACTERIA MONITORING

**Where:** Volunteers choose sample site at lake or stream. Monitoring from shoreline, bridge, or boat.

**How:** Measure, observe, and record environmental data; and collect water samples.

**What:** Health risk of recreational waters as indicated by bacteria levels linked to fecal material and disease-causing organisms.



**Schedule:** April through October-once a month and after 2 storms; time of day and day of week is flexible.

**Time:** 1.5 hours per monitoring event, ~15 total hours.

**Notes:** Water samples taken to a local “mini-lab” and cultured to determine bacteria levels. Volunteer’s sampling schedule is coordinated with mini-lab.

### 4. OTHER MONITORING

**DAKOTA Water Watch** will work with volunteers to develop water resource monitoring programs that meet their interests and information needs. Potential monitoring topics include invasive species, plant communities, sediment depth, water chemistry, etc.



#### **DAKOTA Water**

**Watch** trains volunteers and provides help and support throughout the monitoring season. The goal is to collect credible, useful information about condition of water resources. Some funds are available for equipment, supplies, shipping, mailing, travel, and lab work. The program will also provide training and support to individuals or groups buying their own equipment and supplies. Equipment and supply costs are modest and the equipment lasts several years.

Information collected by project participants will:

- ◆ Educate watershed residents
- ◆ Identify potential water quality concerns
- ◆ Establish baseline conditions
- ◆ Help plan resource protection activities