



If you'd like to use a model or see a presentation, contact one of the following cooperators:

<u>County, Cooperator</u>	<u>Phone number</u>
Black Hawk, Hartman Reserve Nature Center .....	319/277-2187
Boone, Boone County Conservation Board .....	515/795-2809
Cerro Gordo, Lime Creek Nature Center .....	641/423-5309
Clayton, Big Spring Fish Hatchery .....	563/245-2446
Clayton, Clayton County Conservation Board .....	563/245-1516
Delaware, Manchester Trout Hatchery .....	563/927-3276
Des Moines, Starr's Cave Nature Center .....	319/753-5808
Floyd, Floyd County Conservation Board .....	641/756-3490
Harrison, Harrison County Conservation Board .....	712/647-2785
Jasper, Jasper County Conservation Board .....	641/792-9780
Linn, Linn County Conservation Board .....	319/892-6485
Lucas, Lucas County Conservation Board .....	641/774-2438
Muscatine, Fairport Hatchery .....	563/263-5062
Palo Alto, Palo Alto County Conservation Board .....	712/837-4866
Polk, Polk County Conservation Board .....	515/323-5300
Scott, Nahant Marsh Educational Field Station .....	563/323-5196
Scott, Wapsi River Environmental Education Center .....	563/328-3286
Warren, Warren County Conservation Board .....	515/961-6169
Washington, Washington County Conservation Board .....	319/657-2400
Woodbury, Woodbury County Conservation Board .....	712/258-0838
Wright, Wright County Conservation Board .....	515/532-3185

### Trailer Models

Trailer mounted *Stream Table* models also are available. For more information, or to reserve one of these models, call:

- Don Sievers, Conservation Education Center ..... 641/747-8383
- Tom Isenhart, Department of Forestry, ISU ..... 515/294-8056

## The Stream Table



**A Teaching Model to Demonstrate Stream Dynamics  
The Effects of Channelization**



Iowa Department of Natural Resources  
Updated 2007

## **B**ackground

*The Stream Table* demonstration model shows how sediment, vegetation, and flowing water interact in a dynamic stream system.

Sediment in Iowa's water and soil erosion threaten the state's water quality and aquatic habitat.

## **T**he Model

The portable model can be used to provide an interactive, hands-on demonstration for participants of all ages, including students, agricultural producers, engineers, building contractors, and the general public.

The large, water-tight box (measuring 36" x 6'8") can be used both outdoors and indoors. Setup and tear down takes about one hour each.

It is best to set up the model at a site where it can be used for an extended period of time. Equipment includes the tub, plastic granules, buckets, stands, a 12-volt marine battery, pump, and props. Transporting the model requires a pick-up, full-size station wagon, or van.

Plans to construct your own Stream Table model are available on our website: [http://www.iowadnr.gov/education/files/strtbl\\_dir.pdf](http://www.iowadnr.gov/education/files/strtbl_dir.pdf).

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## **E**xpected Benefits

Interactive teaching models enhance the learner's ability to understand ambiguous terms such as "watershed" and "nonpoint source pollution." Educators can demonstrate, in a short period of time, how human actions impact aquatic resources and how responsible actions can restore and/or protect those resources. The model allows the presenter to show a series of events that may take years to occur in a natural setting.

*The Stream Table* can be used to enhance activities from *Project WILD Aquatic* and other curriculum materials designed for use in both schools and non-formal settings. For more information about educational resources available through the Aquatic Education Program, check out our web site: [www.iowadnr.gov/education/index.html](http://www.iowadnr.gov/education/index.html).

