
IFloodS – Iowa Flood Studies

Overview

Rain gauges, designed by the Iowa Flood Center, will be uniformly distributed throughout the Turkey River Watershed to measure rainfall amounts and the moisture and temperature of the soil. Data from the gauges will be made available to interested parties.

Number of sites needed

15-20; uniform distribution throughout the Turkey River Watershed

Site Requirements

Site must have access to direct sunlight (required).

Must be free of obstructions (trees, buildings, etc.) and cannot be located in a flood prone area.

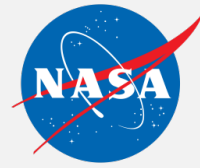
For gauges equipped with soil moisture probes, the installation team will dig and bury the probes within a few feet of the instrument (see image below).

Site Access

Iowa Flood Center and NASA staff will install the rain gauges and visit the site weekly during the project period. Visits may occur more frequently if operational problems are detected.

Approximate Deployment Dates

April 2013, depending on weather conditions, units could be installed as early as mid-March.



IFloodS - Iowa Flood Studies

The Iowa Flood Center (IFC) is collaborating with NASA in the spring of 2013 on IFloodS – a project to enhance the understanding of precipitation events worldwide.

The Turkey River Watershed has been selected as the study area for a uniform deployment of ~20 rain gauges with soil moisture probes throughout the watershed.

Additional Information

To express interest in serving as a host site for a rain gauge in the Turkey River Watershed, please contact:

Sara Steussy
Iowa Flood Center
319-384-1729
sara-steussy@uiowa.edu

IFloodS – Iowa Flood Studies

The Iowa Flood Center is seeking assistance from the Turkey River Watershed Alliance and the Turkey River Watershed Management Authority in identifying and securing sites for the deployment of the rain gauge platforms.

For uniform distribution, the IFC is looking for assistance in securing 1-2 potential sites within each of the identified circular regions below.

