

Grey Nearing

HW1.txt

The USDA-ARS Southwest Watershed Research Center (SWRC) operates a network of 125 hydro-meteorological instrument stations in and around the 150 square kilometer Walnut Gulch Experimental Watershed near Tombstone Arizona. Data is collected for the purpose of conducting research regarding hydrologic and erosion processes in a semi-arid rangeland, and made available to the public via the SWRC's Data Access Project (DAP) online at <http://www.tucson.ars.ag.gov/dap>. Precipitation measurements are collected at all 125 stations with a resolution of 0.1 mm. Air temperature, relative humidity, solar radiation (total, photosynthetically active, and net), wind speed and direction, and barometric pressure are collected at three locations and recorded at 30 minute intervals or better. Data is available on the website dating from 1990 to the present and is updated on the order of monthly. In addition, the site is well described in terms of topography, geology, pedology, hydrology, land use and vegetation, and data regarding erosion, sediment, CO₂ flux, evapotranspiration, and ecology are available. Published articles describing each data set are available and easily identifiable on the homepage next to the link for each data set.

www.tucson.ars.ag.gov/dap