

## Precipitation

NLDAS combines daily and hourly rain gauge data, NEXRAD Stage II, satellite estimates and model estimates of precipitation. The data is combined spatially and disaggregated or filled as needed to create a consistent dataset. There are several quality control checks throughout the process. See Table 9-6 for the datasets used and for what purpose.

Table 9-3. Water use data for HSPF

Data	Data Source
Agricultural irrigation time series	External time-series and polygon layer based on FSAID 1 and tensioned to practice using agricultural use data from SJRWMD, SRWMD, SWFWMD, NFWFMD and USGS
Agricultural surface water withdrawals	
Agricultural groundwater withdrawals	
Agricultural irrigated acreage	Irrigated acreage in Florida based on FSAID 1 for Florida and USGS outside Florida
Urban irrigation demand	SJRWMD Water Supply Planning and Georgia EPD

Table 9-4. Spatial data

Data	Data Source
Watershed and subwatershed boundaries  HUC8 watershed boundaries: used to establish spatial extent of the models  HUC12 subwatershed boundaries: used for establishing closed, flat, and frontal basins to improve subwatershed delineation	NHDPlus version 2
Elevation (for delineation)	1/8 arcsecond gridded dataset from the 3 Digital Elevation Program (3DEP)
Location of USGS flow observation stations (for delineation)	USGS
Land cover	National Land Cover Database, 2001