

Water Budget Terms

Note: terms for water budget components may vary across programs. These are the terms used for various inflows and outflows in the publicly available open-source program California Central Valley Groundwater-Surface Water Simulation Model (C2VSim).

Groundwater (GW) Storage – flow across basin boundary of groundwater

Streams – flow from streams and rivers into groundwater and vice versa

Net Deep Percolation – the total amount of water that reaches the aquifer not from other sources. Includes precipitation not caught in lakes and streams

Small Watershed Baseflow* – groundwater that flows into the basin from higher elevation watersheds

Small Watershed Percolation* – surface water that flows into the basin from higher elevation watersheds

Diversion Recoverable Loss - leakage from canals that feeds the aquifer

Bypass Recoverable Loss – aquifer recharge from bypasses, which divert water from a river to another river or lake

Lakes – flow from streams and rivers into groundwater and vice versa

Pumping by Element – agricultural pumping

Pumping by Well – municipal and industrial pumping

*Note: The program C2VSim is made only for California's Central Valley, so water from foothills and mountains must be accounted for through the two "small watershed" components.