Estimated Recharge in Napa Valley Area by Hydrologic Period

Prepared for the Napa County Groundwater Resources Advisory Committee

The average annual recharge per unit area is calculated from the average annual recharge for each gaged watershed presented in Table 8-9 and the total gaged watershed acreage (Table 8-10). This value does not account for variations in topography, land use, and soils that affect the distribution of precipitation, runoff, and infiltration within and among the gaged watersheds. Actual recharge per acre will vary significantly from the printed value within each gaged watershed and over time. Streamflow records are more complete for some watersheds, which affects the average annual recharge estimates. For details see the report “Updated Hydrogeologic Conceptualization and Characterization of Conditions”, Luhdorf & Scalmanini Consulting Engineers and MBK Engineers, January 2013.