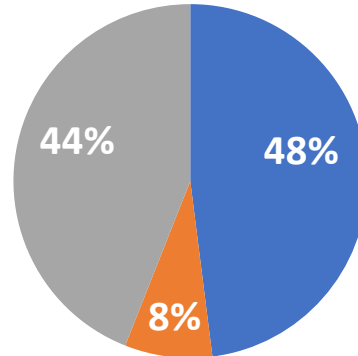


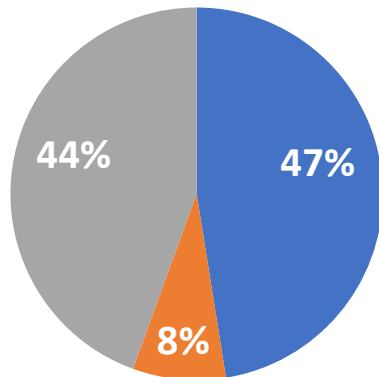
Relative Influence of Water Budget Components on Groundwater-Surface Water Interactions in the Active Model Area, 1988- 2015

Baseline Calibrated Model

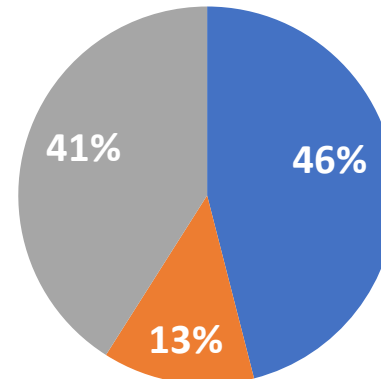


■ Recharge ■ Pumping ■ Lateral Flow

1988 Pumping Scenario



Double Pumping Scenario



Note: Climate-driven effects include groundwater recharge and lateral (subsurface) flow, which vary by primarily water year type. In addition to the baseline condition, accounting for variable groundwater demands from 1988 to 2015, two scenarios for different groundwater pumping demands were evaluated. In one levels of pumping in 1988 were held constant through 2015. In another, pumping calculated for each active well was doubled throughout the 28-year simulation. The small variation between the results of these scenarios indicates the primary role of climate-driven effects. Chart values may not sum to 100 due to rounding.