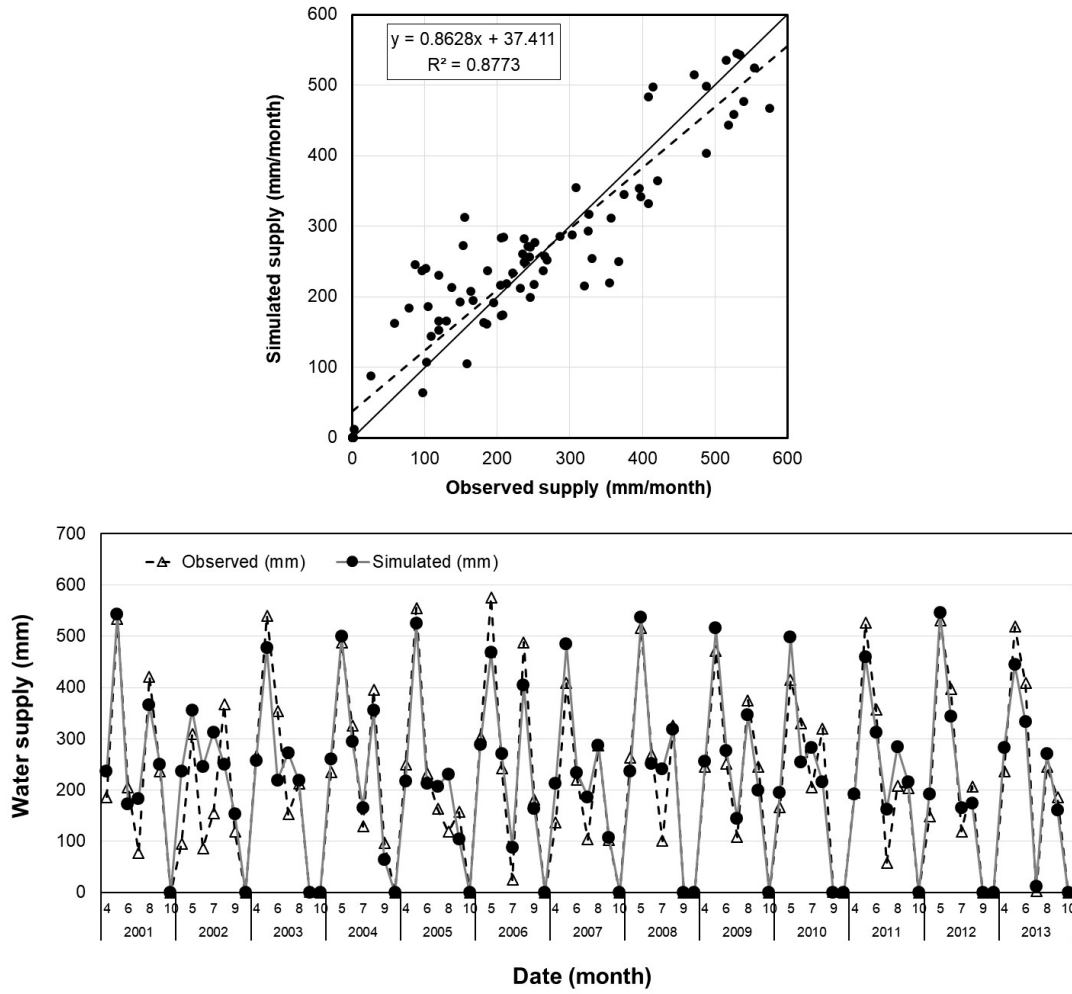


**Table S1.** Calibrated parameter values for deep irrigation scenario under Case III.

Parameter	Values
<i>PD</i> <sub>max</sub> (mm)	60
<i>PD</i> <sub>min</sub> (mm)	60
<i>INF</i> (mm)	6.6
<i>Es</i> (%)	93
<i>NWR</i> (mm)	221
<i>TWR</i> (mm)	248



**Figure S1.** Scatter plots and time-series plots for deep irrigation scenario under Case III.