

SPRING VALLEY RANCH

WATER FACTS

WATER SYSTEM FACTS

- Spring Valley Ranch will have its own water system derived from senior water rights from Landis Creek and Hopkins Reservoir with supplemental water rights from the Spring Valley Aquifer (SVA).
- There are well permits in place to legally and physically serve the Spring Valley Ranch development.

WATER STORAGE FACTS

- The SVA is at least 500 feet deep based on the deepest well
- The SVA has storage volume of between 38,000-acre feet and 46,000-acre feet.
- Additionally, the Upland Tributary Area to the SVA has storage of 30,000 to 60,000 acre feet, for a total storage capacity (SVA + Upland Tributary Area) of 68,000 to 105,000 acre feet. For comparison, the Ruedi Reservoir is about 100,000 acre feet of water.

WATER USE FACTS

- **DEMAND IS LESS THAN APPROVALS**
The total annual water demand for existing and future development that is supplied by wells within and around the SVA is estimated at 1,920 acre feet and the annual depletion to the SVA is estimated at 1,263 acre feet.
The total annual water demand for just Spring Valley Ranch (at build out) is estimated at 1,221 acre feet and the annual depletion is estimated at 688 acre feet. This is less than the demands and depletions already authorized by existing water court approvals.
- **RECHARGE IS GREATER THAN DEMAND**
The Spring Valley Aquifer recharge rate exceeds demands with an annual average recharge rate of 3,942 acre feet per year (based on recent drought period hydrology)
The recharge area is about 15.4 square miles. (In comparison, the City Glenwood Springs is 5.8 square miles.)

