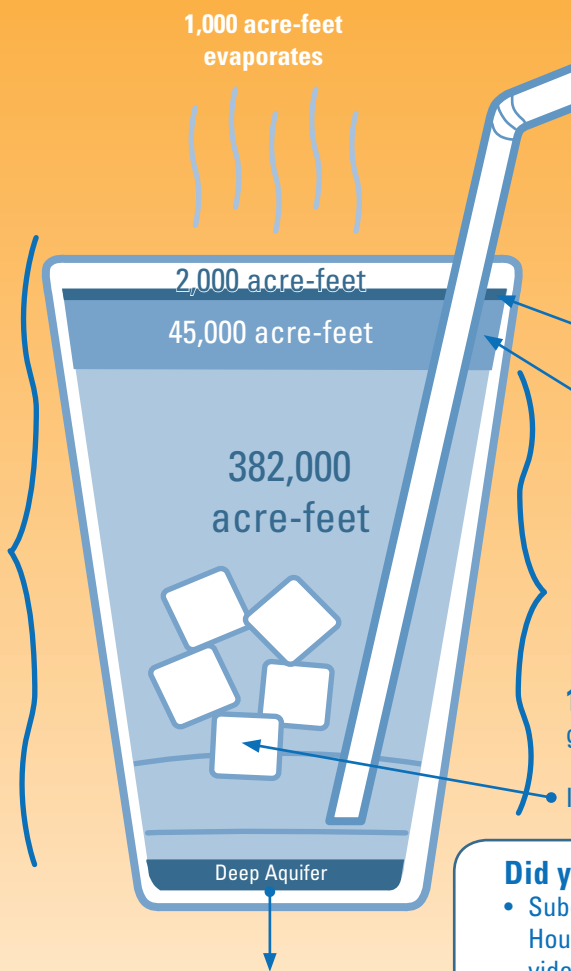


# How Much Water Is Here?

## Picturing annual water supply in Teton Basin

Teton Valley Water Supply = 430,000 acre-feet



The amount of water in the "deep aquifer" is relatively unknown

### Other Stressors on water supply

- Prolonged drought and less snowpack
- Growing population and need for more water downstream
- Incremental conversion of land from agriculture to suburban use

### HOW IS IT USED?

**5%** Domestic, commercial, municipal, and industrial use

**10.5%** Irrigated crops/pasture

### WHERE DOES IT GO?

**88%** Surface and groundwater outflows to the Snake River and beyond

**155,000 acre-feet** moves through the aquifer as groundwater annually

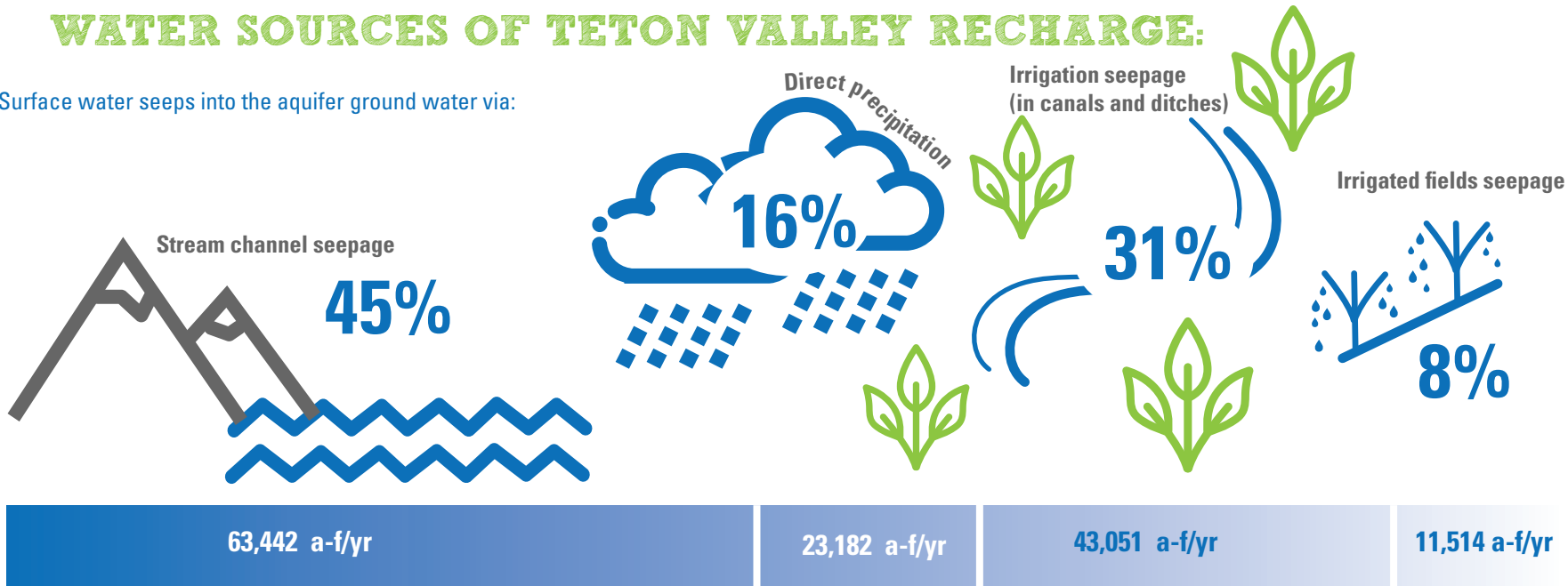
Ice cubes represent groundwater

### Did you know?

- Subdivisions have replaced 1/8 of the land that was formerly in agriculture. Households use less than 1% of the total annual water supply, but subdivided acreage impacts the ability to use existing canals and large parcels of undeveloped land to recharge the aquifer.
- Aquifer recharge is like temporary storage for our water supply, delaying the flow of surface water to places downstream.
- 88% of our annual water supply flows out of Teton Valley as surface water downstream—the majority in the spring during peak run-off.

# WATER SOURCES OF TETON VALLEY RECHARGE:

Surface water seeps into the aquifer ground water via:



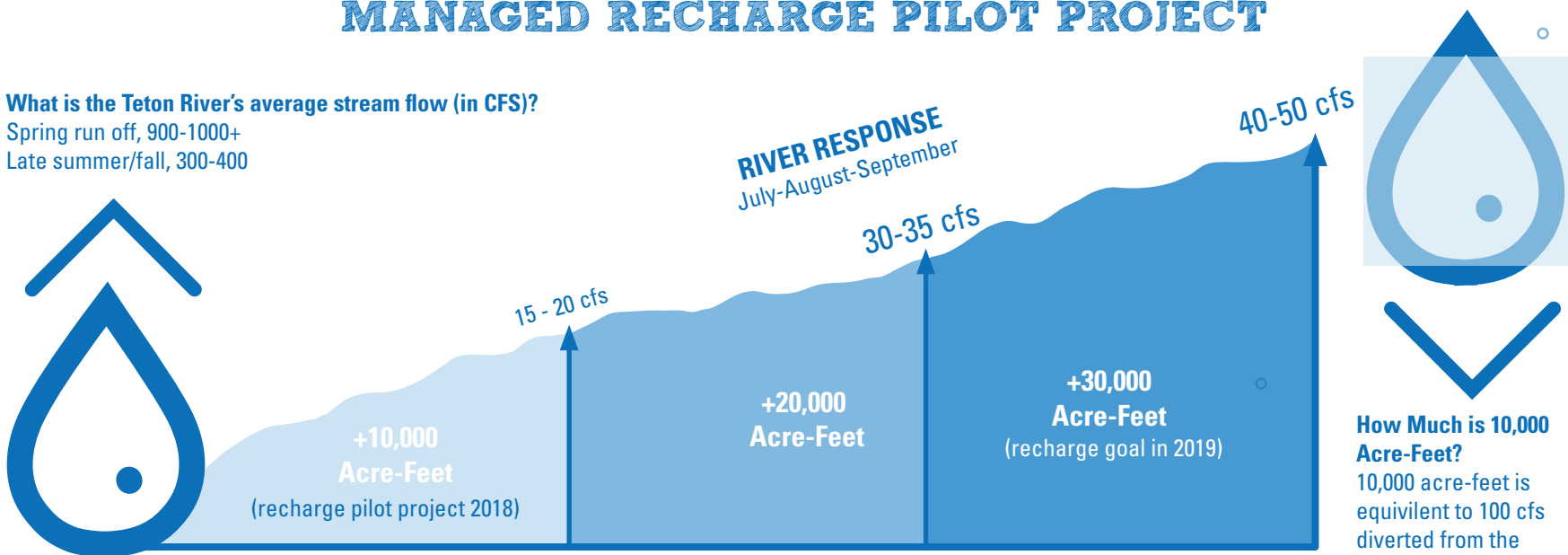
**TOTAL TETON VALLEY RECHARGE = 141,189 ACRE-FEET PER YEAR**

39% Contribution of agriculture to recharging the aquifer

## MANAGED RECHARGE PILOT PROJECT

What is the Teton River's average stream flow (in CFS)?

Spring run off, 900-1000+  
Late summer/fall, 300-400



**RECHARGE EFFORT** Additional water recharged in April-May-June. Amount in acre-feet.

**How Much is 10,000 Acre-Feet?**  
10,000 acre-feet is equivalent to 100 cfs diverted from the Teton River for 50 days.