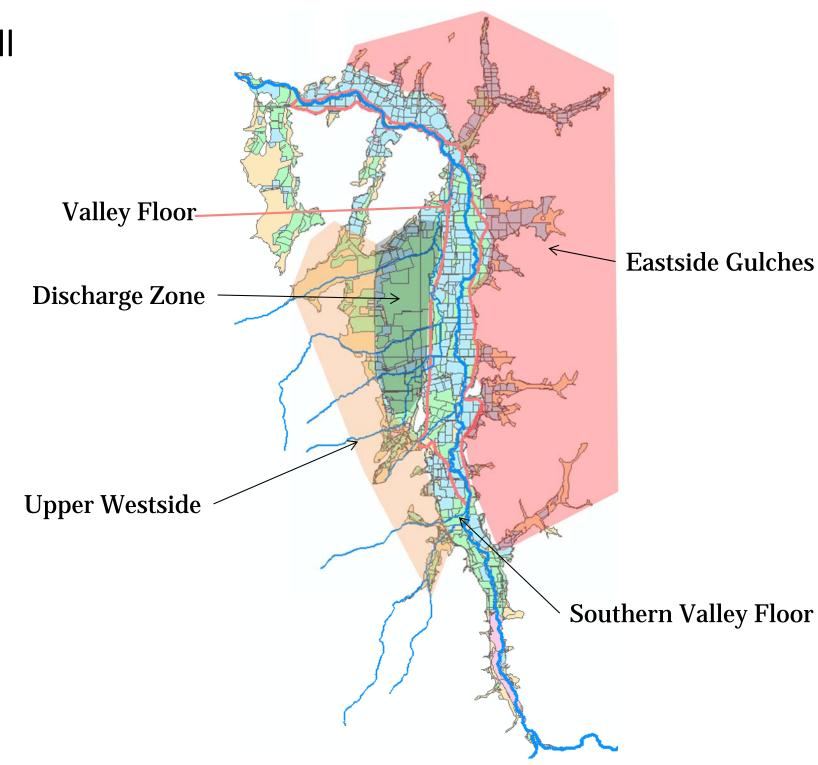
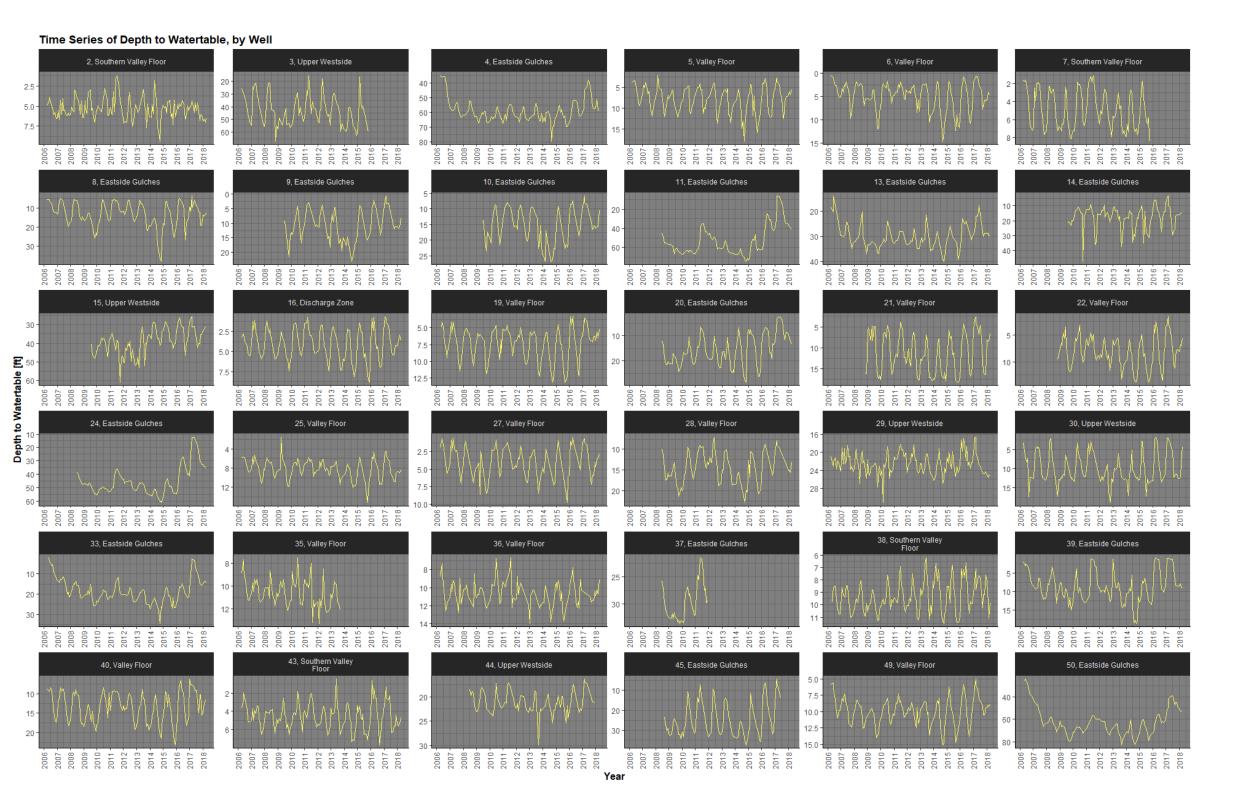


Zones for Private Well Data Network, Scott Valley Alluvial Aquifer





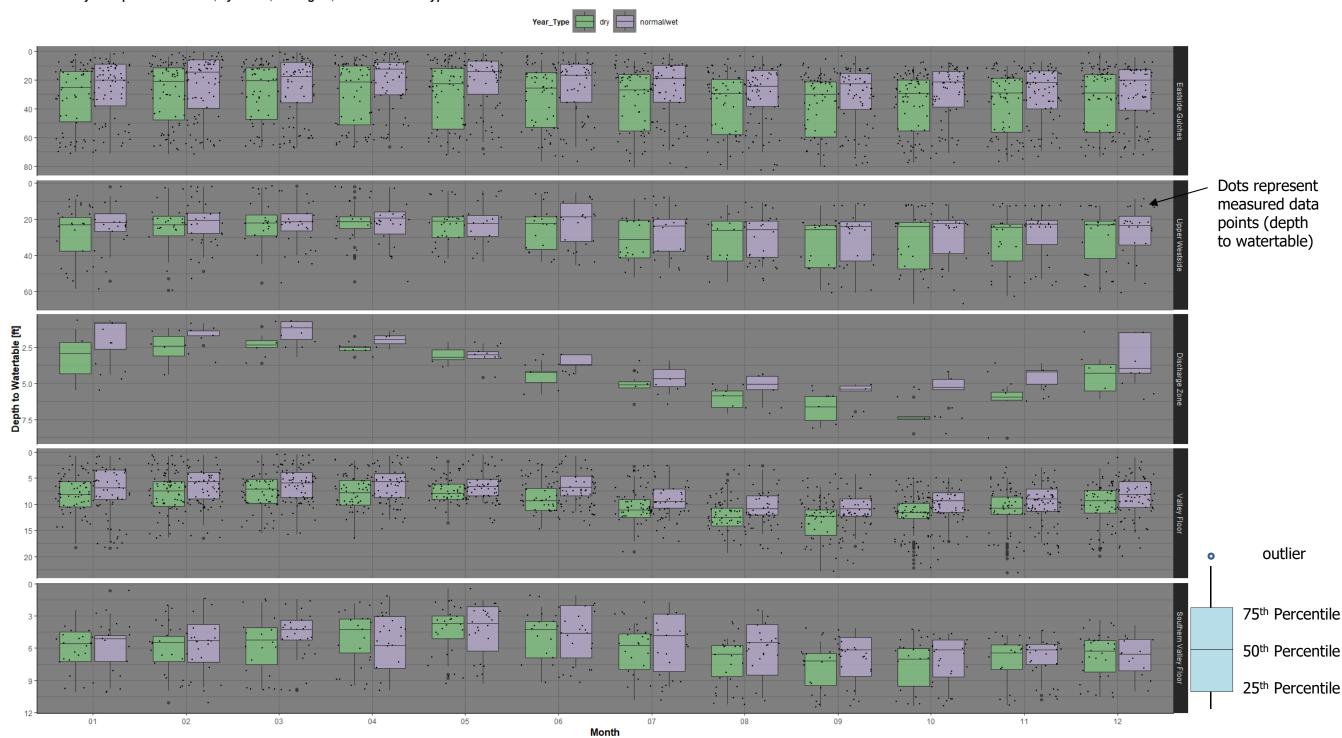
thicker violin shape indicates more data at that level and vice versa for thinner shape

Dots represent measured data points (depth to watertable)

75th Percentile

50th Percentile

25th Percentile



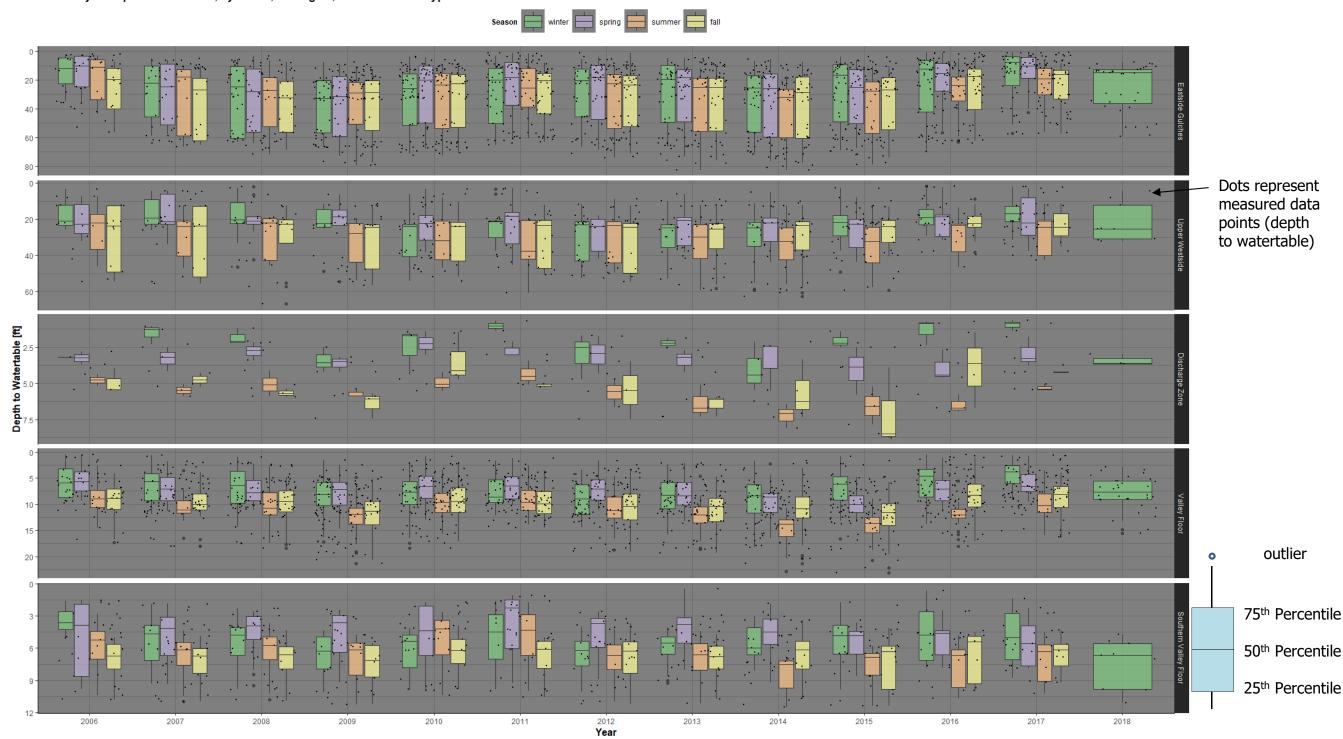
thicker violin shape indicates more data at that level and vice versa for thinner shape

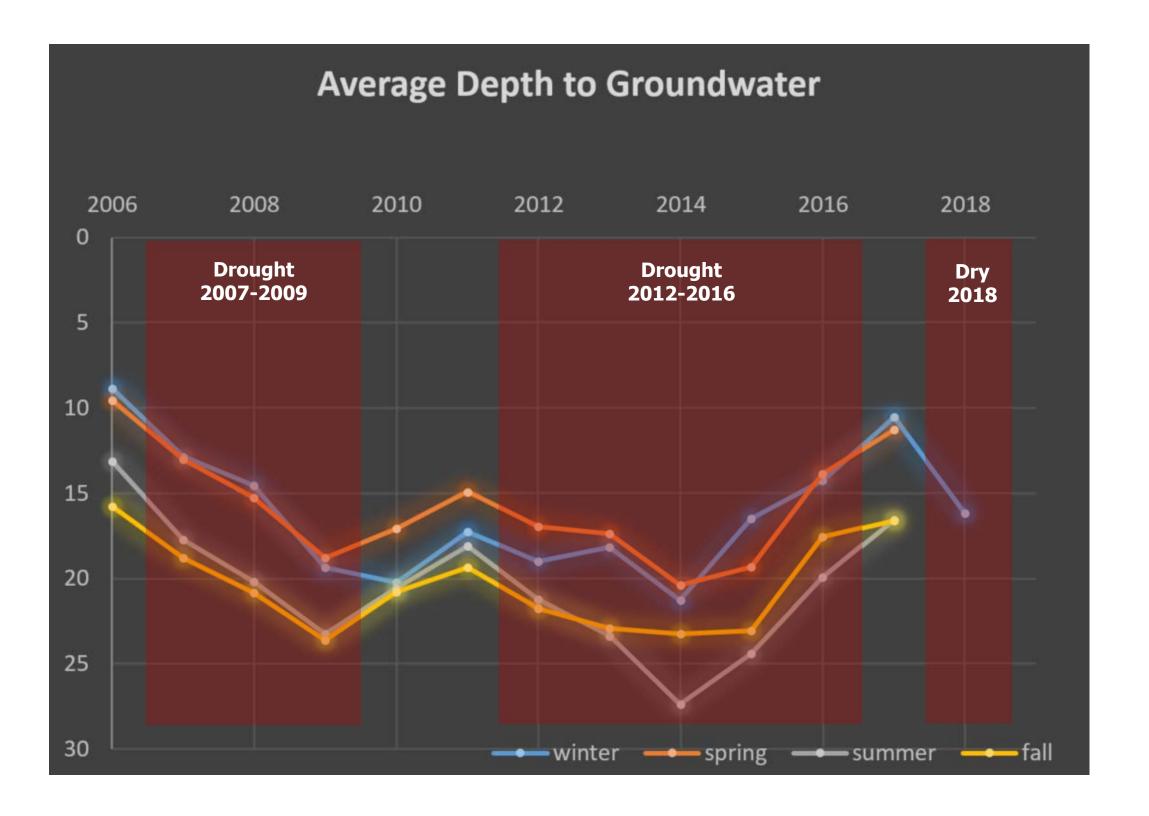
Dots represent measured data points (depth to watertable)

75th Percentile

50th Percentile

25th Percentile





Summary

- Deepest water levels occur in wells around the margin of Scott Valley: on the upper westside and in the eastside gulches.
- Water levels in the discharge zone and on the valley floor are generally shallow
- Typical irrigation season is from April/May (depending on rains) until Labor Day
- Water levels are highest in winter (Jan Mar) or spring (April June), often around May, after the irrigation season begins
- Water levels may continue to drop after Labor Day, through September and October
- From 2006 until 2012, and in 2017, lowest water levels were observed in the fall (Oct Dec), slightly lower than summer (Jul Sep).
- During the 2012 2016 drought, average summer water levels were as deep or deeper (2014 2016) than average fall water levels
- Groundwater level recovery often begins around New Year
- Water levels decrease year-over-year during drought, especially in the summer/fall; with the exception of 2015 and 2016
- 2009 had lower water levels in many regions than 2014, but 2014 had lowest summer water levels overall
- In 2015 and 2016, water levels recovered from their low in 2014, climbing steadily into and through wet year 2017.
- Water levels in dry years tend to be lower than in average/wet years
- Differences in water levels between dry years and average/wet years are most pronounced in wells on the valley floor, between June and
 November
- Of the 13 water years during which monitoring took place, only 4 were average or wet years (2006, 2010, 2011, 2017), while 9 were dry years
- There is no evidence of long-term water groundwater overdraft.
- The program was discontinued after winter 2018 due to lack of funding. Efforts are underway to develop a new monitoring program.

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