

2014 Water Year Summary

By Jeff Burkey

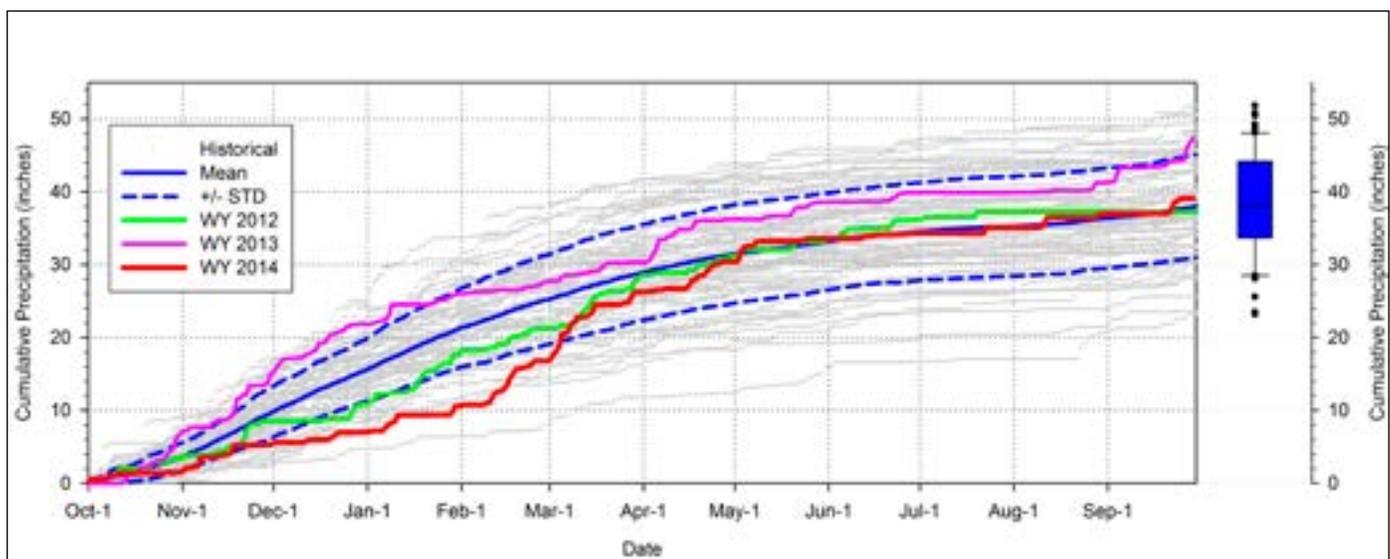
A summary of the 2014 King County water year using National Weather Service Sea-Tac gage; October 1, 2013 thru September 30, 2014 data.

Rainfall

- There were 141 days of measured rainfall (i.e., does not include “trace” amounts)
- 10% of the annual total fell in 3 days (4.42 inches)
- 25% of the annual total fell in 9 days (10.48 inches)
- 50% of the annual total fell in 22 days (19.94 inches)
- Maximum daily total this year: 1.84 inches on March 5, 2014
- Annual rainfall this year was 39.11 inches
- Historical average is 38.36 inches (1949-2013)
- March was a record month for total rainfall at 9.44 inches

Seasons

- The winter and spring were extremely wet,
- The fall was dry and
- The summer was average in total seasonal rainfall
- And there were 28 out of 52 weekends of rainfall during the water year



The cumulated Sea-Tac Precipitation for water years 2012, 2013, & 2014 along with the historical daily mean, and the standard deviations of the daily mean per calendar day. A water year period is October 1 - September 30.

Contributor to King County's SciFYI

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Jeff is a Hydrologist in the Science and Technical Support section. During his 20 years at King County, he has developed hydraulic and hydrologic models; model designs; and, manages water quality sampling and analysis plans. Jeff served as the primary architect for designing King County's Brightwater treatment plant's stormwater and base flow sampling and analysis plan for its NPDES construction permit. Most recently, he co-authored with the Washington State Department of Ecology staff, the Temperature TMDL and Implementation Plan for Newaukum Creek. He also co-designed the water quality sampling and analysis plan for supporting development of King County's water quantity/quality models for the Green River and greater Lake Washington watersheds.



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