

Everett's Water Situation FACT SHEET

Everett Public Works Department www.everettwa.gov



As of 1/5/17

Source of Water Location	Sultan River Watershed, Spada Lake Reservoir on west slope of Cascade Mountain Range, Culmback Dam is 24 miles east of Everett.
Population Served	About 590,000; 80% of Snohomish County
Water Storage	Spada Reservoir held back by Culmback Dam on the Sultan River and Chaplain Reservoir west of Spada Reservoir.
Storage Capacity (Full)	SPADA: 153,000 Acre-Ft; 50 billion gallons (BG) CHAPLAIN: 16,000 Acre-Ft; 5.2 billion gallons (BG)
Elevation (Full)	SPADA: 1450 overflow; CHAPLAIN: 650 overflow
Water Usage	Annual Average = 50 million gallons/day (MGD) December usage: 41.3 MGD, which was 2% below normal. Annual average for 2016 was 49.2 MGD.
Fish Flows below Power House	Year around (min.) 300 cfs = 194 MGD Releasing about 700 cfs below Power House.
How long will present storage last?	SPADA: About four and one-half (4.5) months for water supply and fish flows without any precipitation or inflow. CHAPLAIN: About three (3) months for water supply. TOTAL: seven and one-half (7.5) months' supply.
Present Situation	SPADA Reservoir at elev. 1414.5 = 94,100 Ac-ft. = 30.6 BG This is 86% of normal storage for this time of year. CHAPLAIN Reservoir at elev. 645.4 = 14,640 Ac-ft. = 4.8 BG TOTAL: 35.4 BG Storage.
Precipitation	Annual Average is 161 inches at Culmback Dam. Annual Amount for 2016 = 188.64 inches, (117% of normal)
Reservoir Inflows	Below normal for this time of year.
Snowpack	Above normal for this time of year.
Forecast	New 90-day outlook: below normal temperature and above normal precipitation.
Water Supply outlook	Good; below normal inflows are causing the reservoir to drop. The projection is that there will be adequate water supply through the winter, spring and into summer.