

Everett's Water Situation FACT SHEET

Everett Public Works Department www.everettwa.gov



As of 4/15/17

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 600,000; 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) Annual average for 2016 was 49.2 MGD Jan/Feb/Mar 2017 usage: 41.95/41.62/41.58 MGD = Normal.
Fish Flows below Power House	Year around (min.) 300 cfs = 194 MGD Releasing about 1500 cfs below Power House.
How long will present storage last?	SPADA: About four (4) months for water supply and fish flows without any precipitation or inflow. CHAPLAIN: About three (3) months for water supply. TOTAL: seven (7) months' water supply.
Present Situation	SPADA Reservoir at elev. 1427 = 113,100 Ac-ft. = 36.8 BG This is 92% of normal storage for this time of year. CHAPLAIN Reservoir at elev. 647.3 = 15,200 Ac-ft. = 5.0 BG TOTAL: 41.8 BG Storage.
Precipitation	Annual Average is 161 inches at Culmback Dam. Annual Amount for 2016 = 188.64 inches, (117% of normal) July 2016 – Mar. 2017 precip. = 153.9 inches (121% of normal)
Reservoir Inflows	Above normal for this time of year.
Snowpack	117% of normal for this time of year.
Forecast	New 90-day outlook: normal temperature and normal precipitation.
Water Supply outlook	Good. The projection is that there will be adequate water supply through the spring, summer and into the fall.