

# EVERETT'S WATER SITUATION - FACT SHEET

As of 8/1/05

**Source of Water:** Sultan River Watershed

**Location:** On west slope of Cascade Mountain Range, Culmback Dam is 24 miles east of Everett.

**Population Served:** Almost 500,000; 75% of Snohomish County

**Water Storage:** Spada Reservoir held back by Culmback Dam and Chaplain Reservoir west of Spada Reservoir.

**Storage Capacity:** Spada: 153,000 Acre-Ft; 50 billion gallons (BG)  
Chaplain: 14,000 Acre-Ft; 4.5 billion gallons (BG)

**Elevation:** Spada: 1450 overflow; Chaplain; 645 overflow

**Normal Storage:** Spada - Winter - 114,000 Ac-ft = 37 BG (Dec 1-Apr 1)  
Early Summer - 140,000 Ac-ft= 46 BG (Jun 1-Jul 1)

**Water Usage:** Annual Average: = 85 million gallons/day (MGD)  
Monthly Ave Range: = 78 - 106 MGD/month  
Peak Day Water Use: = 140 MGD

## Fish Flows Below Power House:

Summer (June - Sept) = 165 cfs = 106 MGD  
Rest of Year = 200 cfs = 129 MGD  
Annual Average = 191 cfs = 123 MGD

## How long will normal storage last?

Spada: About six months for water supply and fish flows without any precipitation or inflow.  
Chaplain: About two months for water supply.

**Present Situation:** Spada at elev. **1438.3=132,000 Ac-ft = 43.0 BG**  
This is **100%** of normal storage at this time of year.

**Precipitation:** Annual Average is 164 inches at Culmback Dam.  
Normal year-to-date = 90 inches  
**2005 year-to-date = 67 inches (75 % of normal)**  
**Monthly precipitation had been below normal for 9 of the past 10 months (Oct.2004 - July 2005).**

**Snowpack:** All snowpack is virtually gone.