

Snotel Site:	TROUGH		
State:	Washington		
Site Number:	832		
County:	Chelan		
Lat:	47 deg	14 min	N
Long:	120 deg	18 min	W
Elevation:	5480 feet		
Date:	9/3/2015		
By:	Nathaniel P. Wilkerson		

Number of Data Years:	37
Max. SWE Recorded:	25.1 in. of H ₂ O
Max. SWE Year:	1983
Mean (\bar{x}):	1.0243
Standard Deviation (S):	0.1964
Skew (G):	-0.6703
K_p :	1.680
$\log(Q) = \bar{x} + K_p S$:	1.3542
SWE (MRI 50 YR):	22.6 in. of H ₂ O

Water Year	Annual Max. SWE	X = log(MAX)	(X- \bar{x}) ²	(X- \bar{x}) ³
1979	11.2	1.0492	6.2189E-04	1.5509E-05
1980	18.6	1.2695	6.0139E-02	1.4748E-02
1981	6.5	0.8129	4.4676E-02	-9.4430E-03
1982	22.1	1.3444	1.0247E-01	3.2802E-02
1983	25.1	1.3997	1.4092E-01	5.2901E-02
1984	7.8	0.8921	1.7473E-02	-2.3097E-03
1985	10.1	1.0043	3.9836E-04	-7.9508E-06
1986	12.6	1.1004	5.7897E-03	4.4054E-04
1987	9.2	0.9638	3.6593E-03	-2.2136E-04
1988	8.5	0.9294	8.9987E-03	-8.5363E-04
1989	8.5	0.9294	8.9987E-03	-8.5363E-04
1990	4.5	0.6532	1.3769E-01	-5.1093E-02
1991	5.4	0.7324	8.5198E-02	-2.4868E-02
1992	7.8	0.8921	1.7473E-02	-2.3097E-03
1993	9.8	0.9912	1.0926E-03	-3.6114E-05
1994	9.1	0.9590	4.2561E-03	-2.7766E-04
1995	15.6	1.1931	2.8508E-02	4.8135E-03
1996	13	1.1139	8.0395E-03	7.2084E-04
1997	14.2	1.1523	1.6386E-02	2.0975E-03
1998	15.5	1.1903	2.7573E-02	4.5785E-03
1999	18	1.2553	5.3357E-02	1.2325E-02
2000	11.7	1.0682	1.9277E-03	8.4637E-05
2001	9.2	0.9638	3.6593E-03	-2.2136E-04
2002	10.6	1.0253	1.0518E-06	1.0787E-09
2003	13.6	1.1335	1.1937E-02	1.3043E-03
2004	11.5	1.0607	1.3262E-03	4.8298E-05
2005	2.7	0.4314	3.5155E-01	-2.0844E-01
2006	15.4	1.1875	2.6647E-02	4.3499E-03
2007	10.3	1.0128	1.3094E-04	-1.4984E-06
2008	8.4	0.9243	1.0000E-02	-1.0000E-03
2009	8.3	0.9191	1.1068E-02	-1.1643E-03

2010	16.9	1.2279	4.1456E-02	8.4406E-03
2011	15.3	1.1847	2.5732E-02	4.1277E-03
2012	17.2	1.2355	4.4626E-02	9.4271E-03
2013	9.3	0.9685	3.1133E-03	-1.7372E-04
2014	9.7	0.9868	1.4069E-03	-5.2770E-05
2015	5.5	0.7404	8.0609E-02	-2.2886E-02

Summation: 37.8984 1.3889 -0.1730