

Snotel Site:	SASSE RIDGE		
State:	Washington		
Site Number:	734		
County:	Kittitas		
Lat:	47 deg	23 min	N
Long:	121 deg	4 min	W
Elevation:	4340 feet		
Date:	9/8/2015		
By:	Nathaniel P. Wilkerson		

Number of Data Years:	31
Max. SWE Recorded:	67.3 in. of H ₂ O
Max. SWE Year:	1997
Mean (\bar{x}):	1.5182
Standard Deviation (S):	0.1491
Skew (G):	-0.7208
K _p :	1.651
log(Q) = $\bar{x} + K_p S$:	1.7644
SWE (MRI 50 YR):	58.1 in. of H ₂ O
SWE adj. (MRI 50 YR):	73.7 in. of H ₂ O

Year	Annual Max. SWE	X = log(MAX)	(X- \bar{x}) ²	(X- \bar{x}) ³
1985	34.2	1.5340	2.5007E-04	3.9545E-06
1986	27.4	1.4378	6.4741E-03	-5.2092E-04
1987	28.2	1.4502	4.6190E-03	-3.1393E-04
1988	32.8	1.5159	5.4695E-06	-1.2792E-08
1989	37.5	1.5740	3.1157E-03	1.7392E-04
1990	39.2	1.5933	5.6360E-03	4.2312E-04
1991	29.2	1.4654	2.7910E-03	-1.4745E-04
1992	26.8	1.4281	8.1140E-03	-7.3089E-04
1993	27.5	1.4393	6.2220E-03	-4.9079E-04
1994	31.2	1.4942	5.7879E-04	-1.3924E-05
1995	40.8	1.6107	8.5466E-03	7.9011E-04
1996	31.4	1.4969	4.5296E-04	-9.6403E-06
1997	67.3	1.8280	9.5978E-02	2.9734E-02
1998	39	1.5911	5.3074E-03	3.8666E-04
1999	60.1	1.7789	6.7945E-02	1.7711E-02
2000	37.5	1.5740	3.1157E-03	1.7392E-04
2001	22.8	1.3579	2.5689E-02	-4.1174E-03
2002	52.4	1.7193	4.0449E-02	8.1350E-03
2003	29.1	1.4639	2.9506E-03	-1.6028E-04
2004	29.3	1.4669	2.6363E-03	-1.3536E-04
2005	16	1.2041	9.8654E-02	-3.0987E-02
2006	44.2	1.6454	1.6182E-02	2.0585E-03
2007	42.1	1.6243	1.1251E-02	1.1934E-03
2008	40	1.6021	7.0304E-03	5.8948E-04
2009	24.9	1.3962	1.4887E-02	-1.8164E-03
2010	31.1	1.4928	6.4781E-04	-1.6488E-05
2011	39.9	1.6010	6.8493E-03	5.6685E-04
2012	43.6	1.6395	1.4707E-02	1.7836E-03
2013	28.8	1.4594	3.4598E-03	-2.0351E-04
2014	32.5	1.5119	4.0059E-05	-2.5354E-07
2015	11.7	1.0682	2.0252E-01	-9.1141E-02

Note: For most stations the 50 yr. MRI seems realistic. However, for a few stations if this value greatly exceeds the max. value recorded then a adjusted value is calculated. This value varies linearly between 100% of the max. for stations with 50 years or more of data and 120% of max. for stations with 10 years of data. The lesser of the two values is input into the database and map.

Summation:	47.0646	0.6671	-0.0671
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