

Snotel Site:	WATERHOLE		
State:	Washington		
Site Number:	974		
County:	Clallam		
Lat:	47 deg	57 min	N
Long:	123 deg	26 min	W
Elevation:	5010 feet		
Date:	9/4/2015		
By:	Nathaniel P. Wilkerson		

Number of Data Years:	16
Max. SWE Recorded:	65.9 in. of H ₂ O
Max. SWE Year:	2011
Mean (\bar{x}):	1.5568
Standard Deviation (S):	0.2548
Skew (G):	-1.7255
K _p :	1.104
log(Q) = $\bar{x} + K_p S$:	1.8381
SWE (MRI 50 YR):	68.9 in. of H ₂ O
SWE adj. (MRI 50 YR):	77.1 in. of H ₂ O

Water Year	Annual Max. SWE	X = log(MAX)	(X- \bar{x}) ²	(X- \bar{x}) ³
2000	41.3	1.6160	3.5005E-03	2.0711E-04
2001	23.8	1.3766	3.2475E-02	-5.8522E-03
2002	53.1	1.7251	2.8328E-02	4.7679E-03
2003	37.1	1.5694	1.5848E-04	1.9952E-06
2004	31.4	1.4969	3.5826E-03	-2.1444E-04
2005	12.7	1.1038	2.0519E-01	-9.2948E-02
2006	42.6	1.6294	5.2744E-03	3.8305E-04
2007	48.5	1.6857	1.6630E-02	2.1445E-03
2008	54.9	1.7396	3.3411E-02	6.1072E-03
2009	30.4	1.4829	5.4629E-03	-4.0377E-04
2010	54	1.7324	3.0838E-02	5.4155E-03
2011	65.9	1.8189	6.8697E-02	1.8005E-02
2012	57.6	1.7604	4.1468E-02	8.4445E-03
2013	52.1	1.7168	2.5617E-02	4.1001E-03
2014	38.5	1.5855	8.2230E-04	2.3580E-05
2015	7.4	0.8692	4.7273E-01	-3.2503E-01
Summation:		24.9086	0.9742	-0.3748

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.