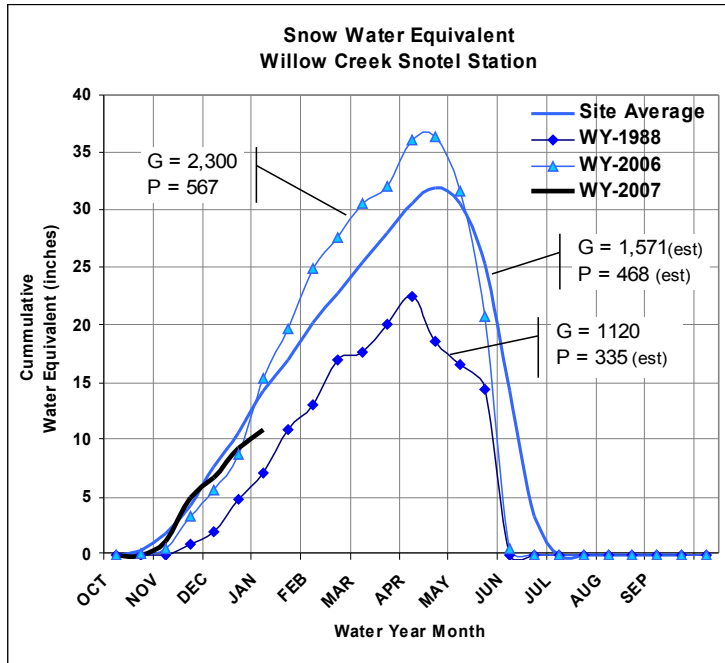


Town of Star Valley Ranch
Water Status Report
 December 2006

2007 No. 2

January 2, 2007



DECEMBER

The format of this month's report differs from the November format in that the precipitation graph is absent and a table of numerical snow water equivalent (SWE) data is included. The table also shows the percent of SWE for the equivalent dates during the reference water years.

The 2007 water year (WY) began with a greater SWE than either the site average or WY-2006. Low snow fall in December decreased the SWE to 71% - 75% of the reference years (Table to right). This decrease headed the WY-2007 SWE curve toward WY-1988, which has the lowest SWE with a measured discharge.

Date	Water Year Snow Water Equivalent (inches)			Reference Water Year (Percent)	
	Site Av.	2005-06	2006-07	Site Av.	2005-06
1-Oct	0	0	0	0%	0%
15-Oct	0.4	0.1	0	0%	0%
1-Nov	1.9	0.5	1.2	63%	240%
15-Nov	4.3	3.3	5	116%	152%
1-Dec	7.7	5.7	6.7	87%	118%
15-Dec	10.7	8.7	9.3	87%	107%
1-Jan	14.3	15.3	10.9	76%	71%
15-Jan	17	19.7	0	0%	0%
1-Feb	20.2	24.9	0	0%	0%
15-Feb	22.7	27.6	0	0%	0%
1-Mar	25.4	30.6	0	0%	0%
15-Mar	28	32	0	0%	0%
1-Apr	30.6	36.1	0	0%	0%
15-Apr	31.9	36.3	0	0%	0%
1-May	30.6	31.6	0	0%	0%
15-May	25.3	20.7	0	0%	0%
1-Jun	14.3	0.5	0	0%	0%
15-Jun	3.3	0	0	0%	0%
1-Jul	0	0	0	0%	0%

About the Graph

The graph shows the monthly snow water equivalent for various water years (WY). A WY begins in October (the month with the lowest stream flow) of one calendar and continues to September of the following calendar year; it is named for the second calendar year. The **Site Average line** shows the average monthly SWE for the site since 1982. The **heavy black line** is the measured SWE for the current water year (WY-2007). The **WY-1988** and **WY-2006** lines show the data for two of the six water years for which spring discharges were measured. The **callouts** present the July discharge in gallons per minute (gpm) as measured at Green (G) and Prater (P) springs during 1988 and 2006 and estimated for the site average and Prater Spring in 1988 using the relationships in Special Report No 1.

Water Status Reports

A water status report is distributed each winter month to inform the Town about the availability of irrigation and culinary water during following summer. It is based on snow moisture data from the automated Willow Creek Snotel station at an elevation of 8380 feet in the Salt River Range. Snow depth, air temperature, water stored in snow (snow water equivalent - SWE), and precipitation are measured hourly and reported here for the 1st and 15th of each month. Special Report No. 1 (December, 2006) describes methods to interpret the SWE data presented here.