

Memo

To: Gary Midkiff/David Tirman
From: David Herzog
Date: March 18, 2009
Re: Homewood Precipitation Evaluation

Using the methodology outlined in the Technical Standard for Water-Table Monitoring of Potential Wetland Sites and the Natural Resources Conservation Services (NRCS) Engineering Field Handbook (1997) we have evaluated the precipitation at the nearest WETS station located in Tahoe City at an elevation of 6,230 feet mean sea level (msl). The elevation of the north base area of Homewood Mountain Resort is approximately 6,235 feet msl.

The WETS data are presented in Attachment 1 and the Annual Precipitation data are presented in Attachment 2. The WETS data (Attachment 1) contain the monthly average precipitation and the normal range of precipitation defined as the 30% chance that precipitation will be either greater than or less than the average values. From 1971 to 2000, the average annual precipitation range was from 25.08 to 37.92 inches at the Tahoe City station.

Groundwater monitoring occurred during 2007 and 2008 from approximately March 15 through May 25 of each year. Table 1 presents the precipitation evaluation for the two preceding years, 2005 and 2006. Compared to the normal range of precipitation from the WETS data, 2005 was wetter than normal and 2006 was normal.

The NRCS method requires an evaluation of precipitation for the three months preceding monitoring (January through March) as well as during the monitoring period (April and May). Tables 2 and 3 present an evaluation of monitoring during 2007 and 2008, respectively. Based on the NRCS method, the precipitation for the three months preceding monitoring was normal for both 2007 and 2008. The precipitation during monitoring in 2007 was normal for both monitoring months (April and May). The precipitation during monitoring in 2008 was drier than normal for April but normal for May.

Since, snowfall that occurs during the entire precipitation season may influence water levels in the spring, additional evaluation was performed on the first three months of the precipitation season (October through December) preceding monitoring. Using the NRCS method, precipitation during both October through December 2006 and October through December 2007 were considered normal.

Finally, the total precipitation preceding and during monitoring was evaluated for the 2007 and 2008 monitoring period. The total precipitation preceding and during the 2007 and 2008 monitoring periods was 18.38 and 19.25 inches, respectively. This is compared to the normal range of precipitation from the WETS data of 12.98 to 37.02 inches. The total precipitation preceding and during the 2007 and 2008 monitoring periods was within the normal range.

TABLES

Table 1
Precipitation Evaluation
2005 and 2006
Homewood Mountain Resort
Homewood, California

Year	30% < normal	Normal	30% > normal	Rainfall	Condition
2005	25.08	32.74	37.92	46.53	Wet
2006	25.08	32.74	37.92	31.92	Normal

Annual precipitation for the two years preceding monitoring was considered either wet or nor

WETS Station- TAHOE, CA 8758
Latitude 3910, Longitude 12008, Elevation 6,230
Placer County
1971-2000 Data

Table 2
Precipitation Evaluation
2007 Monitoring
Homewood Mountain Resort
Homewood, California

	Month	30% < normal	Normal	30% > normal	Rainfall	Condition	Condition Value	Month	Weight	Value	Product of previous two columns
1st Prior Month	March	1.95	4.57	5.57	1.13	Dry	1				3
2nd Prior Month	February	2.54	5.7	6.96	7.48	Wet	3				6
3rd Prior Month	January	2.26	6.01	7.26	1.46	Dry	1				1
SUM											10
Fourth Prior Month	December	1.99	4.72	5.82	2.98	Normal	2				6
Fifth Prior Month	November	1.86	4.25	5.18	3.1	Normal	2				4
Sixth Prior Month	October	0.88	1.95	2.45	0.16	Dry	1				1
SUM											11
Current Month-1	April	0.96	1.87	2.28	1.47	Normal	2				
Current Month-2	May	0.54	1.21	1.5	0.6	Normal	2				
Total Period of Record		12.98	30.28	37.02	18.38						

Based on prior three months and the three months prior to that, the 2006/2007 precipitation was considered normal for both time periods.
 Based on period of record (Oct 1 - June 1), the 2006/2007 precipitation was considered normal.

Note:

- If sum = 6-9, then prior period was drier than normal
- If sum = 10-14, then prior period was normal
- If sum = 15-18, then prior period was wetter than normal

WETS Station- TAHOE, CA 8758

Latitude 3910, Longitude 12008, Elevation 6,230
 Placer County
 1977-2000 Data

Table 3
Precipitation Evaluation
2008 Monitoring
Homewood Mountain Resort
Homewood, California

	Month	30% < normal	Normal	30% > normal	Rainfall	Condition	Condition Value	Month Weight Value	Product of previous two columns
1st Prior Month	March	1.95	4.57	5.57	1.1	Dry	1	3	3
2nd Prior Month	February	2.54	5.7	6.96	4.03	Normal	2	2	4
3rd Prior Month	January	2.26	6.01	7.26	7.58	Wet	3	1	3
SUM									10
Fourth Prior Month	December	1.99	4.72	5.82	3.29	Normal	2	3	6
Fifth Prior Month	November	1.86	4.25	5.18	0.43	Dry	1	2	2
Sixth Prior Month	October	0.88	1.95	2.45	2.02	Normal	2	1	2
SUM									10
Current Month-1	April	0.96	1.87	2.28	0.18	Dry	1		
Current Month-2	May	0.54	1.21	1.5	0.62	Normal	2		
Total Period of Record		12.98	30.28	37.02	19.25				

Based on prior three months and the three months prior to that, the 2007/2008 precipitation was considered normal for both time periods.

Based on period of record (Oct 1 - June 1), the 2007/2008 precipitation was considered normal.

Note:

If sum = 6-9, then prior period was drier than normal

If sum = 10-14, then prior period was normal

If sum = 15-18, then prior period was wetter than normal

WETS Station- TAHOE, CA 8758
 Latitude 3910, Longitude 12008, Elevation 6,230
 Placer County
 1971-2000 Data

ATTACHMENT 1

**WETS DATA
TAHOE CITY, CALIFORNIA**

TAHOE, CA WETS DATA

WETS Station : TAHOE, CA8758
 Latitude: 3910 Longitude: 12008 Elevation: 06230
 State FIPS/County(FIPS): 06061 County Name: Placer
 Start yr. - 1971 End yr. - 2000

Month	Temperature (Degrees F.)			avg	Precipitation (Inches)			avg # of days w/.1 or more	avg total snow fall
	avg daily max	avg daily min	avg		30% chance will have	less than	more than		
January	40.4	19.8	30.1	6.01	2.26	7.26	7	37.1	
February	42.0	20.9	31.4	5.70	2.54	6.96	7	39.4	
March	45.1	23.8	34.4	4.57	1.95	5.57	7	29.9	
April	51.2	27.2	39.2	1.87	0.96	2.28	4	12.3	
May	60.0	33.2	46.6	1.21	0.54	1.50	3	2.8	
June	69.2	39.2	54.2	0.77	0.40	0.99	2	0.3	
July	77.5	44.4	60.9	0.33	0.05	0.39	0	0.0	
August	77.0	44.5	60.8	0.46	0.05	0.55	1	0.0	
September	70.0	39.4	54.7	0.90	0.23	1.06	2	0.4	
October	60.0	32.3	46.1	1.95	0.88	2.45	3	2.4	
November	47.9	25.5	36.7	4.25	1.86	5.18	6	17.1	
December	41.4	20.5	31.0	4.72	1.99	5.82	7	27.6	
Annual					25.08	37.92	--	--	
Average	56.8	30.9	43.9	--	--	--	--	--	
Total	--	--	--	32.74	--	--	49	169.4	

GROWING SEASON DATES

Probability	Temperature		
	24 F or higher	28 F or higher	32 F or higher
Beginning and Ending Dates Growing Season Length			
50 percent *	5/ 6 to 10/26 173 days	5/27 to 10/ 8 134 days	6/17 to 9/18 93 days
70 percent *	4/30 to 11/ 1 185 days	5/22 to 10/14 145 days	6/12 to 9/23 103 days

* Percent chance of the growing season occurring between the Beginning and Ending dates.

total 1931-2002 prcp

Station : CA8758, TAHOE
 ----- Unit = inches

yr	TAHOE, CA WETS DATA												annl
	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec	
31	3.00	2.38	2.36	1.74	1.26	0.88	0.00	0.09	0.29	1.93	3.12	12.08	29.13
32	7.65	4.01	1.40	1.24	0.49	1.42	0.23	0.00	0.22	0.20	0.82	2.77	20.45
33	7.49	0.89	3.62	0.52	2.08	0.14	0.00	0.06	0.13	4.91	0.05	8.66	28.55
34	0.98	2.99	1.03	1.10	0.57	1.79	0.00	0.12	0.71	2.51	3.53	2.81	18.14
35	4.96	1.35	4.87	8.25	0.42	0.00	0.03	0.13	0.02	1.65	1.49	2.77	25.94
36	10.23	12.91	2.12	1.09	0.15	1.77	0.21	0.21	0.61	0.27	M0.06	4.43	34.06
37	5.59	9.12	2.27	1.93	0.13	1.03	0.03	0.00	0.06	1.54	4.90	10.33	36.93
38	5.24	13.74	11.50	1.80	0.57	1.23	1.09	0.00	0.12	2.36	2.05	0.51	40.21
39	3.93	2.59	2.23	0.14	1.67	0.15	0.17	0.08	2.59	2.40	0.26	1.45	17.66
40	13.35	11.88	7.78	0.85	0.74	0.03	0.00	0.15	0.69	1.44	2.59	M10.12	49.62
41	M4.83	4.75	1.37	2.02	1.34	0.68	M0.07	M0.13	0.15	1.14	1.80	10.14	28.42
42	8.27	4.89	1.60	3.29	M2.17	0.22	0.00	0.00	0.18	0.21	8.53	5.21	34.57
43	11.07	2.32	5.40	1.55	0.87	0.18	M0.64	M0.00	0.00	0.59	0.78	1.55	24.95
44	4.17	5.83	3.05	M2.28	1.05	0.32	0.36	0.00	0.26	2.40	M7.42	3.57	30.71
45	3.07	6.63	4.04	0.89	2.85	0.73	0.44	0.13	0.00	5.90	4.85	11.14	40.67
46	2.04	2.79	4.58	0.11	0.33	0.00	0.69	0.00	1.30	0.56	8.44	2.34	23.18
47	1.80	2.77	5.02	0.86	0.50	0.44	0.00	0.04	0.20	4.66	0.44	0.26	16.99
48	4.58	2.59	3.99	6.63	1.46	0.62	0.00	0.11	0.13	0.42	3.07	5.18	28.78
49	1.92	3.68	4.26	0.06	2.43	0.08	0.00	0.76	0.00	M0.41	2.86	1.67	18.13
50	12.10	3.36	4.86	2.91	1.87	0.85	0.00	M0.00	0.26	6.42	13.73	9.05	55.41
51	7.02	3.27	1.33	3.33	2.28	0.00	M0.00	M0.05	0.21	4.53	4.47	M12.65	39.14
52	14.29	6.04	9.08	1.38	0.31	0.43	1.67	0.04	0.32	0.08	2.88	8.20	44.72
53	6.77	0.47	2.85	4.58	3.09	0.83	0.00	0.80	0.12	1.08	1.93	1.84	24.36
54	4.93	4.96	5.05	1.48	0.00	0.64	0.00	0.03	0.00	0.00	3.34	6.04	26.47
55	3.36	2.53	1.79	3.42	0.88	0.14	0.02	0.00	0.39	0.43	3.12	22.77	38.85
56	12.93	4.27	0.96	1.29	2.94	0.18	0.47	0.07	0.50	6.48	0.03	2.06	32.18
57	5.15	6.04	4.70	1.57	3.61	0.00	0.69	0.00	0.69	2.10	2.02	5.88	32.45
58	5.16	7.96	M6.57	6.36	0.51	0.75	0.68	0.99	0.49	0.36	0.78	1.42	32.03
59	6.00	M6.67	0.88	0.60	2.32	0.05	0.00	0.29	1.98	0.00	0.00	1.47	20.26
60	5.17	9.81	6.15	0.59	0.92	0.05	0.24	0.00	0.29	0.38	4.80	2.18	30.58
61	1.00	4.07	4.21	3.00	1.56	0.95	0.32	0.53	1.41	2.26	2.01	1.56	22.88
62	2.91	12.83	5.50	1.26	1.07	0.04	0.21	0.28	0.11	8.34	2.28	3.66	38.49
63	5.73	7.62	4.64	7.80	1.82	2.64	0.00	0.20	0.98	1.90	8.26	0.91	42.50
64	4.89	0.42	3.24	1.59	3.05	0.92	0.03	0.04	0.06	0.76	5.10	27.55	47.65
65	7.74	0.85	1.43	2.22	0.42	0.35	0.78	2.56	1.47	0.45	8.09	6.24	32.60
66	2.63	1.98	1.90	1.08	0.70	0.12	0.07	0.00	0.48	0.08	6.15	7.36	22.55
67	11.40	0.44	10.95	4.27	1.43	1.42	0.00	0.53	0.85	1.37	2.18	4.32	39.16
68	5.26	4.89	3.41	0.40	0.81	0.55	0.00	1.18	0.20	1.74	4.32	8.01	30.77
69	22.82	9.28	1.96	1.56	0.15	2.50	0.10	0.00	0.17	2.14	1.40	9.26	51.34
70	15.27	2.45	1.93	1.60	0.24	2.17	0.00	0.00	0.20	1.59	7.83	8.03	41.31
71	2.20	0.91	6.18	1.67	1.76	0.88	0.17	0.30	0.88	0.75	3.71	M7.89	27.30
72	2.88	3.13	1.19	3.05	0.50	1.36	0.02	0.17	1.32	2.07	4.77	4.45	24.91
73	7.51	3.89	1.97	0.96	0.96	0.58	0.02	1.44	0.28	1.26	7.80	5.12	31.79
74	4.16	2.03	7.26	2.24	0.12	0.00	2.66	0.30	0.02	1.14	2.07	2.65	24.65
75	2.15	7.26	5.70	2.26	0.29	0.83	0.04	1.16	0.72	6.67	1.30	0.28	28.66
76	0.50	2.01	1.11	0.25	0.07	0.21	0.15	1.96	1.07	1.05	0.67	0.29	9.34
77	1.07	2.96	0.62		1.50	0.41	0.06	0.04	0.15	0.53	3.91	8.89	20.14
78	7.05	4.35	1.04	1.88	0.55	0.26	0.00		0.57	0.00	1.58	2.76	20.04
79	2.90	5.25	2.65	1.32	1.76	0.20	0.49	0.41	0.06	3.60	1.16	6.75	26.55
80	14.89	11.07	3.39	2.57	1.10	0.44	1.01	0.04	0.39	1.40	0.93	2.91	40.14
81	6.75	2.08	3.80	0.76	2.42	0.00	0.00	0.00	0.51	5.03	13.55	11.76	46.66
82	9.54	4.94	9.68	6.71	0.44	2.09	0.18	0.51	4.78	4.69	7.33	6.72	57.61
83	6.46	8.15	8.61	2.58	0.35	0.55	0.13	1.16	2.26	1.50	11.19	9.00	51.94
84	0.73	4.18	2.68	1.90	0.55	1.47	0.34	0.13	0.51	3.34	9.25	1.40	26.48
85	0.35	1.90	5.90	0.14	0.00	0.39	0.21	0.11	1.44	1.95	7.29	4.04	23.72
86	5.54	22.25	6.32	1.12	1.09	0.41	0.82	0.02	3.33	0.11	0.63	0.48	42.12
87	3.34	4.82	2.78	0.61	0.28	0.94	0.38	0.00	0.00	1.59	1.62	4.84	21.20
88	4.41	0.07	0.57	1.05	1.17	1.01	0.50	0.06	0.11	0.28	9.44	4.52	23.19
89	1.76	3.80	10.04	1.53	0.90	1.33	0.00	1.51	2.26	3.73	3.99	0.00	30.85
90	4.13	4.91	1.15	1.82	2.54	0.52	0.23	0.65	0.64	0.29	1.31	1.67	19.86
91	0.08	1.26	12.96	0.88	1.32	0.35	0.64	1.62	0.48	3.10	2.55	1.18	26.42

TAHOE, CA WETS DATA

92	1.08	5.38	1.83	0.14	0.23	1.67	0.97	0.16	0.56	3.54	0.31	10.56	26.43
93	11.56	8.44	2.85	1.68	1.30	1.04	0.00	0.00	0.02	1.93	1.16	2.11	32.09
94	1.36	6.47	M0.69	0.99	M1.43	0.00	0.12	0.00	0.33	1.11	8.31	4.21	25.02
95	16.18	1.37	19.58	5.13	3.57	1.30	0.04	0.04	0.03	0.00	0.58	8.81	56.63
96	12.78	11.57	6.09	3.57	4.18	0.73	0.03	0.51	0.15	1.64	6.66	18.50	66.41
97	18.23	0.91	0.86	1.41	0.60	1.67	0.04	0.00	0.40	1.57	4.58	3.02	33.29
98	9.64	13.92	5.48	1.11	2.31	1.80	0.31	0.33	2.64	0.39	5.59	4.17	47.69
99	9.20	13.07	3.68	3.13	0.75	0.60	0.38	0.76	0.14	1.89	2.16	1.03	36.79
01	11.86	8.80	0.50	1.63	2.37	0.10	0.00	0.00	0.85	2.40	1.95	1.53	31.99
1	1.88	4.86	1.56	2.32	0.24	0.00	0.00	0.00	0.35	0.85	6.46	8.01	26.53
	2												

ATTACHMENT 2

**MONTHLY TOTAL PRECIPITATION
TAHOE CITY, CALIFORNIA**

TAHOE, CALIFORNIA

Monthly Total Precipitation (inches)

-48758

File last updated on Dec 4, 2008

*** Note *** Provisional Data *** After Year/Month 200808

a = 1 day missing, b = 2 days missing, c = 3 days, ..etc.,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS : 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing.

Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

YEAR(S)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1903	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0.38 z	9.96 y	0.57	0.57
1904	1.39 z	15.47	10.69	1.41	0.51	0 z	0 z	0 z	0 z	0 z	0 z	0 z	28.08
1905	0.76 y	2.27	4.6	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	6.87
1906	9.49	5.1	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	14.59
1907	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0
1908	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0 z	0
1909	0 z	0 z	0.71 z	0.12 z	0 z	0 z	0 z	0 z	0	3.35	7.58 u	8.92	12.27
1910	4.81	3.94	2.2	0.5	0.02	0	0.35	0	0.8	0.1	3.05	3.9	19.67
1911	21.26 o	3.8 t	6	3.22	0.25	0.63	0	0	0	0.01	1.79	1.9	13.8
1912	2.49	0	3.32 r	2.28	3.38	0.83	1.3	0	2	0.65	3.11	2.09	18.13
1913	7.44	0.63	1.88	1.82	1.66	0.99	1.36	0.4	0.1	0.1	4.05	9.71	30.14
1914	20.49	5.26	0.11	2.29	0.55	0.95	0	0	0.18	1.28	0.5	3.36	34.97
1915	5.68 s	10.68	1.08	0.54	3.7	0	0.41	0	0.16	0	2.43	6.2	25.2
1916	17.6 l	4.62	4.47	0.07	0.53	0	0.08	0.22	0.28	1.2	2.46	7.06	20.99
1917	2.23	11.98	3.61	2.32	0.71	0.01	0.57	0.04	0.02	0.13	1.12	3.38	26.12
1918	1.15	9.28	8.63	0.7	0.51 y	0.56	0	0.12	3.7	3.01	2.97	1.33	31.45
1919	2.15	14.2	5.04	1.23	0.22	0 z	0 z	0.01	0.41	0.57	0.88	7.19	31.9
1920	0.9	2.17	6.29	3.77 u	0	1.2	0.11	0.55 z	0.7	4.19	5.02	7.7	28.28
1921	10.28	2.66	2.19	0.67	2.68	0.18	0	0	0.09	0.52	1.31	8.42	29
1922	2.95	13.19	4.6	1.03	1.66	0.8	0.31	0.23	0 z	1.05	3.72	10.88	40.42
1923	5.79	1.5	0.79	4.41	0.74	1.25	0.05	0.98	1.75	1.69	0.64	2.65	22.24
1924	1.54 a	1.06	2.56 s	0.16 z	0.1	0 z	0	0	0.45	2.63	2.15	3.55	11.48
1925	0.94	8.02	2.69	2.74	1.23	1.06	0.89	1.27	1.17	1.14	2.14	2.1	25.39
1926	3.93	6.95	0.37	3.93	1.13	0.06	0.07	0.01	0.04	1.3	10.61	1.68	30.08
1927	4.88	8.84	3.21	5.05	1.25	0.34	0	0	0.22	3	5.35	3.29	35.43
1928	1.92	1.11	12.2	3.63	0.1	0.28	0.19	0	0.01	0.27	2.12	4	25.83
1929	1.85	3.14	3.5	3.07	0.06	2.63	0.2	0.33	0.34	0.1	0	9.46	24.68
1930	6.08	4.65	3.25	2.01	1	0	0	0.13	0.45	0.26	3.95	0.23	22.01
1931	3	2.38	2.36	1.74	1.26	0.88	0	0.09	0.29	1.93	3.12	12.08	29.13
1932	7.65	4.01	1.4	1.24	0.49	1.42	0.23	0	0.22	0.2	0.82	2.77	20.45
1933	7.49	0.89	3.62	0.52	2.08	0.14	0	0.06	0.13	4.91	0.05	8.66	28.55
1934	0.98	2.99	1.03	1.1	0.57	1.79	0	0.12	0.71	2.51	3.53	2.81	18.14
1935	4.96	1.35	4.87	8.25	0.42	0	0.03	0.13	0.02	1.65	1.49	2.77	25.94
1936	10.23	12.91	2.12	1.09	0.15	1.77	0.21	0.21	0.61	0.27	0.06 i	4.43	34
1937	5.59	9.12	2.27	1.93	0.13	1.03	0.03	0	0.06	1.54	4.9	10.33	36.93
1938	5.24	13.74	11.5	1.8	0.57	1.23	1.09	0	0.12	2.36	2.05	0.51	40.21
1939	3.93	2.59	2.23	0.14	1.67	0.15	0.17	0.08	2.59	2.4	0.26	1.45	17.66
1940	13.35	11.88	7.78	0.85	0.74	0.03	0	0.15	0.69	1.44	2.59	10.12 b	49.62
1941	4.83 a	4.75	1.37	2.02	1.34	0.68	0.07 f	0.13 c	0.15	1.14	1.8	10.14	28.35
1942	8.27	4.89	1.6	3.29	2.17 a	0.22	0	0	0.18	0.21	8.53	5.21	34.57
1943	11.07	2.32	5.4	1.55	0.87	0.18	0.64 b	0 a	0	0.59	0.78	1.54	24.94
1944	4.17	5.83	3.05	2.28 a	1.05	0.32	0.36	0	0.26	2.4	7.42 a	3.57	30.71
1945	3.07	6.63	4.04	0.89	2.85	0.73	0.44	0.13	0	5.9	4.85	11.14	40.67
1946	2.02	2.79	4.58	0.11	0.33	0	0.69	0	1.3	0.56	8.44	2.28	23.1
1947	1.8	2.77	5.02	0.86	0.5	0.44	0	0.04	0.2	4.66	0.44	0.26	16.99
1948	4.58	2.59	3.69	6.63	1.46	0.62	0	0.11	0.13	0.42	3.07	5.18	28.48

TAHOE, CALIFORNIA

Monthly Total Precipitation (inches)

-48758

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a = 1 day missing, b = 2 days missing, c = 3 days, ..etc.,

z = 26 or more days missing, A = Accumulations present

Long-term means based on columns; thus, the monthly row may not sum (or average) to the long-term annual value.

MAXIMUM ALLOWABLE NUMBER OF MISSING DAYS : 5

Individual Months not used for annual or monthly statistics if more than 5 days are missing.

Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

YEAR(S)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1949	1.92	3.68	4.26	0.06	2.43	0.08	0	0.76	0	0.41	2.86	1.62	18.08
1950	12.1	3.34	4.86	2.91	1.87	0.85	0	0 a	0.26	6.42	13.73	9.05	55.39
1951	7	3.27	1.33	3.33	2.28	0	0 b	0.05 a	0.21	4.53	4.47	12.65 a	39.12
1952	14.29 a	6.04	9.08	1.38	0.31	0.43	1.67	0.04	0.32	0.08	2.88	8.2	44.72
1953	6.77	0.47	2.85	4.58	3.09	0.83	0	0.8	0.12	1.08	1.93	1.84	24.36
1954	4.93	4.96	5.05	1.48	0	0.64	0	0.03	0	0	3.34	6.04	26.47
1955	3.36	2.53	1.79	3.42	0.88	0.14	0.02	0	0.39	0.43	3.12	22.77	38.85
1956	12.93	4.27	0.96	1.29	2.94	0.18	0.47	0.07	0.5	6.48	0.03	2.06	32.18
1957	5.15	6.04	4.7	1.57	3.61	0	0.69	0	0.69	2.1	2.02	5.88	32.45
1958	5.16	7.96	6.57	6.36	0.51	0.75	0.68	0.99	0.49	0.36	0.78	1.42	32.03
1959	6	6.67 c	0.88	0.6	2.32	0.05	0	0.29	1.98	0	0	1.47	20.26
1960	5.17	9.81	6.15	0.59	0.92	0.05	0.24	0	0.29	0.38	4.8	2.18	30.58
1961	1	4.07	4.21	3	1.56	0.95	0.32	0.53	1.41	2.26	2.01	1.56	22.88
1962	2.91	12.83	5.5	1.26	1.07	0.04	0.21	0.28	0.11	8.34	2.28	3.66	38.49
1963	5.73	7.62	4.64	7.8	1.82	2.64	0	0.2	0.98	1.9	8.26	0.91	42.5
1964	4.89	0.42	3.24	1.59	3	0.92	0.03	0.04	0.06	0.76	5.05	27.55	47.55
1965	7.74	0.85	1.43	2.22	0.42	0.35	0.78	2.56	1.47	0.45	8.09	6.24	32.6
1966	2.63	1.98	1.9	1.08	0.7	0.12	0.07	0	0.48	0.08	6.15	7.36	22.55
1967	11.4	0.44	10.95	4.27	1.43	1.42	0	0.53	0.85	1.37	2.18	4.32	39.16
1968	5.26	4.89	3.41	0.4	0.81	0.55	0	1.18	0.2	1.74	4.32	7.99	30.75
1969	22.82	9.28	1.96	1.56	0.15	2.5	0.1	0	0.17	2.14	1.4	9.26	51.34
1970	15.27	2.45	1.93	1.6	0.24	2.17	0	0	0.2	1.59	7.83	8.03	41.31
1971	2.2	0.91	6.18	1.67	1.76	0.88	0.17	0.3	0.88	0.75	3.71	6.89	26.3
1972	2.88	3.13	1.19	3.05	0.5	1.36	0.02	0.17	1.32	2.07	4.77	4.45	24.91
1973	7.51	3.89	1.97	0.96	0.96	0.58	0.02	1.44	0.28	1.26	7.8	5.12	31.79
1974	4.16	2.03	7.26	2.24	0.12	0	2.66	0.3	0.02	1.14	2.07	2.65	24.65
1975	2.15	7.26	5.7	2.26	0.29	0.83	0.04	1.16	0.72	6.67	1.3	0.28	28.66
1976	0.5	2.01	1.11	0.25	0.07	0.21	0.15	1.96	1.07	1.05	0.67	0.29	9.34
1977	1.07	2.96	0.62	0 z	1.5	0.41	0.06	0.04	0.15	0.53	3.91	8.89	20.14
1978	7.05	4.35	1.04	1.88	0.55	0.26	0	0 z	0.57	0	1.58	2.76	20.04
1979	2.9	5.25	2.65	1.32	1.76	0.2	0.49	0.41	0.06	3.6	1.16	6.75	26.55
1980	14.89	11.07	3.39	2.57	1.1	0.44	1.01	0.04	0.39	1.4	0.93	2.91	40.14
1981	6.75	2.08	3.8	0.76	2.42	0	0	0	0.51	5.03	13.55	11.76	46.66
1982	9.54	4.94	9.68	6.71	0.44	2.09	0.18	0.51	4.78	4.69	7.33	6.72	57.61
1983	6.46	8.15	8.61	2.58	0.35	0.55	0.13	1.16	2.26	1.5	11.19	8.85	51.79
1984	0.73	4.18	2.68	1.9	0.55	1.47	0.34	0.13	0.51	3.34	9.25	1.4	26.48
1985	0.35	1.9	5.9	0.14	0	0.39	0.21	0.11	1.44	1.95	7.29	4.04	23.72
1986	5.54	22.25	6.32	1.12	1.09	0.41	0.82	0.02	3.33	0.11	0.63	0.48	42.12
1987	3.34	4.82	2.78	0.61	0.28	0.94	0.38	0	0	1.59	1.62	4.84	21.2
1988	4.41	0.07	0.57	1.05	1.17	1.01	0.5	0.06	0.11	0.28	9.44	4.52	23.19
1989	1.76	3.8	10.04	1.53	0.9	1.33	0	1.51	2.26	3.73	3.99	0	30.85
1990	4.13	4.91	1.15	1.82	2.54	0.52	0.23	0.65	0.64	0.29	1.31	1.67	19.86
1991	0.08	1.26	12.96	0.88	1.32	0.35	0.64	1.62	0.48	3.1	2.55	1.18	26.42
1992	1.08	5.38	1.83	0.14	0.23	1.67	0.97	0.16	0.56	3.54	0.31	10.56	26.43
1993	11.56	8.44	2.85	1.68	1.3	1.04	0	0	0.02	1.93	1.16	2.11	32.09
1994	1.36	6.47	0.69 a	0.99	1.43 a	0	0.12	0	0.33	1.11	8.31	4.21	25.02

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Individual Years not used for annual statistics if any month in that year has more than 5 days missing.

YEAR(S)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1995	16.18	1.37	19.58	5.13	3.57	1.3	0.04	0.04	0.03	0	0.58	8.81	56.63
1996	12.78	11.57	6.09	3.57	4.18	0.73	0.03	0.51	0.15	1.64	6.66	18.5	66.41
1997	18.23	0.91	0.86	1.41	0.6	1.67	0.04	0	0.4	1.57	4.58	3.02	33.29
1998	9.64	13.92	5.48	1.11	2.31	1.8	0.31	0.33	2.64	0.39	5.59	4.17	47.69
1999	9.2	13.07	3.68	3.13	0.75	0.6	0.38	0.76	0.14	1.89	2.16	1.03	36.79
2000	11.86	8.8	0.5	1.63	2.37	0.1	0	0	0.85	2.4	1.95	1.53	31.99
2001	1.88	4.86	1.56	2.32	0.24	0	0	0	0.35	0.85	6.46	8.01	26.53
2002	3.18	1.93	4.49	1.96	0.43	0	0.22	0	0	0.02	6.74	9.75	28.72
2003	1.97	1.79	2.22	6.27	0.95	0.56	0.11	1.59	0.09	0	2.4	9.77	27.72
2004	2.06	7.25	0.94	0.62	0.77	0.27	0	0	0.05	5.23	1.72	7.2	26.11
2005	6.31	2.77	6.75	1.43	4.33	1.52	0	0.45	0.31	1.54	2.52	18.6	46.53
2006	7.33	5.15	6.43	6.23	0.54	0	0	0	0	0.16	3.1	2.98	31.92
2007	1.46	7.48	1.13	1.47	0.6	0.2	0	0.08	1	2.02	0.43	3.29	19.16
2008	7.58	4.03	1.1	0.18	0.62	0.01	0	0	0 d	0 c	0.66 e	0 z	14.18

Period of Record Statistics

	MEAN	5.88	5.36	4.09	2.13	1.19	0.67	0.26	0.3	0.61	1.73	3.6	5.57	31.77
S.D.	4.68	4.16	3.3	1.76	1.03	0.65	0.42	0.5	0.85	1.77	3.05	4.79	10.64	
SKEW	1.31	1.25	1.7	1.53	1.14	1.11	2.83	2.26	2.51	1.46	1.24	1.8	0.9	
MAX	22.82	22.25	19.58	8.25	4.33	2.64	2.66	2.56	4.78	8.34	13.73	27.55	66.41	
MIN	0.08	0	0.11	0.06	0	0	0	0	0	0	0	0	0	9.34
NO YRS	97	101	99	97	99	97	97	97	99	100	98	100	85	