

...JUNE 2012 REGIONAL CLIMATE SUMMARY...

SUMMARY FOR THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA...

HOT AND DRY WEATHER CREATED IDEAL WILDFIRE CONDITIONS ACROSS THE ROCKIES DURING JUNE. NEAR THE END OF THE MONTH A DERECHO...A LINE OF FAST MOVING SEVERE STORMS...MOVED FROM ILLINOIS TO VIRGINIA CAUSING SIGNIFICANT WIND DAMAGE AND KNOCKING OUT POWER TO OVER 3.4 MILLION HOUSEHOLDS. BY COMPARISON...THE WEATHER IN COASTAL CALIFORNIA WAS VERY MILD DURING JUNE. ONLY ONE DAILY HIGH TEMPERATURE RECORD WAS SET IN THE SAN FRANCISCO BAY AREA DURING JUNE AND AVERAGE TEMPERATURES FOR THE MONTH WERE CLOSE TO NORMAL. RAIN EVENTS IN THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA ARE UNCOMMON DURING JUNE AND THIS MOST RECENT JUNE WAS NO EXCEPTION. NEARLY ALL OF JUNE'S MEASURABLE RAINFALL FELL ON ONE DAY EARLY IN THE MONTH.

A WEAK LATE-SEASON COLD FRONT MOVED SLOWLY FROM NORTHWEST TO SOUTHEAST ACROSS THE REGION ON MONDAY JUNE 4TH. THE FRONT PRODUCED VERY LIGHT AMOUNTS OF RAIN AS IT PASSED THROUGH THE NORTH BAY THAT MORNING. THE FRONT BECAME A MORE EFFICIENT RAIN-PRODUCER AS IT PRESSED SOUTH THROUGH THE REMAINDER OF THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA THAT AFTERNOON. THE MONTEREY CLIMATE STATION PICKED UP 0.41 INCHES OF RAIN ON THE 4TH...THE MOST RAIN OF ANY LOCATION ACROSS THE REGION. NEARLY ALL OTHER REPORTING LOCATIONS REPORTED LESS THAN TWO-TENTHS OF AN INCH OF RAIN THAT DAY.

THE WEATHER SYSTEM THAT BROUGHT RAIN TO THE REGION ON THE 4TH ALSO BROUGHT WITH IT AN UNSEASONABLY COOL AIRMASS. TEMPERATURES DIPPED WELL BELOW NORMAL ON THE 4TH AND REMAINED THAT WAY THROUGH THE 8TH. MUCH MORE SUMMER-LIKE CONDITIONS DEVELOPED ON THE 10TH AND 11TH WHEN DAYTIME TEMPERATURES WARMED ABOVE NORMAL...WITH 70S AND 80S AT THE COAST AND 90S INLAND.

THE SECOND WARM EVENT OF THE MONTH BEGAN JUST A FEW DAYS LATER ON THE 15TH...AND PEAKED ON THE 16TH. SATURDAY JUNE 16 WAS THE WARMEST DAY OF THE MONTH ACROSS THE ENTIRE REGION. HIGH TEMPERATURES THAT DAY REACHED OR EXCEEDED 100 DEGREES AT MANY INLAND VALLEY LOCATIONS. SAN FRANCISCO WARMED TO 86 DEGREES ON THE 16TH AND SAN JOSE...WITH A HIGH OF 98 DEGREES...SET A DAILY TEMPERATURE RECORD.

AFTER A THIRD...AND FINAL...BRIEF WARM UP ON THE 20TH...AN UPPER TROUGH DEEPEINED JUST OFF THE WEST COAST ON THE 21ST AND 22ND. THE TROUGH THEN REMAINED NEAR THE COAST FOR THE REMAINDER OF THE MONTH. THIS RESULTED IN CONSISTENTLY BELOW NORMAL TEMPERATURES DURING THE FINAL 10 DAYS OF THE MONTH.

FOR JUNE'S AVERAGE TEMPERATURES...THE WARMTH DURING THE MIDDLE THIRD OF THE MONTH WAS OFFSET BY THE COOL WEATHER DURING THE FINAL THIRD OF THE MONTH. AVERAGE HIGH TEMPERATURES FOR JUNE WERE WITHIN A FEW DEGREES OF NORMAL AT NEARLY ALL CLIMATE STATIONS...EITHER SLIGHTLY ABOVE OR SLIGHTLY BELOW THE 30-YEAR AVERAGE. AVERAGE LOW

TEMPERATURES WERE COOLER THAN NORMAL ALMOST EVERYWHERE. THE PREPONDERANCE OF COOL NIGHTS IN JUNE MEANT THAT THE MONTH AS A WHOLE WAS SLIGHTLY ON THE COOL SIDE OF NORMAL.

JUNE IS ONE OF THE YEAR'S DRIEST MONTHS. NORMAL JUNE RAINFALL RANGES FROM LESS THAN A TENTH OF AN INCH IN SOME OF THE DRIER INLAND VALLEYS...TO ONLY ABOUT A THIRD OF AN INCH IN THE WETTEST NORTH BAY LOCATIONS. BECAUSE THE JUNE NORMALS FOR PRECIPITATION ARE SO SMALL...IT DOESN'T TAKE MUCH RAIN TO QUICKLY EXCEED THE NORMAL FOR THE MONTH. SUCH WAS THE CASE AROUND MONTEREY BAY WHERE THE HEAVIER RAIN AMOUNTS ON THE 4TH TRANSLATED INTO MONTHLY RAIN TOTALS THAT WERE 200-300 PERCENT OF THE JUNE NORMAL. THE NORTH BAY VALLEYS WERE AT THE OTHER EXTREME...PICKING UP LESS THAN A QUARTER OF THEIR NORMAL JUNE RAINFALL AND IN SOME CASES NO RAIN AT ALL.

NOTE: THE 2011-2012 RAIN YEAR SUMMARY WILL BE ISSUED IN A PUBLIC INFORMATION STATEMENT OVER THE WEEKEND.

...JUNE REGIONAL TEMPERATURE SUMMARY...

LOCATION	AVG HIGH	NORMAL HIGH	DEPARTURE		AVG LOW	NORMAL LOW	DEPARTURE	
			FROM NORMAL				FROM NORMAL	
NORTH BAY...								
ANGWIN	79.1	80.8	-1.7		51.6	51.5	0.1	
HEALDSBURG	84.6	86.1	-1.5		51.1	54.0	-2.9	
KENTFIELD	77.0	79.1	-2.1		51.3	51.9	-0.6	
NAPA AIRPORT	79.2	78.4	0.8		49.5	49.9	-0.4	
SAN RAFAEL	77.0	75.8	1.2		52.6	53.4	-0.8	
SONOMA COUNTY AP	81.9	81.2	0.7		48.4	50.0	-1.6	
SAN FRANCISCO PENINSULA...								
HALF MOON BAY	64.3	63.5	0.8		47.6	49.2	-1.6	
PALO ALTO	79.3	78.4	0.9		52.1	52.4	-0.3	
REDWOOD CITY	78.9	79.2	-0.3		52.5	53.5	-1.0	
SAN FRANCISCO AIRPORT	69.9	70.6	-0.7		52.9	53.8	-0.9	
SAN FRANCISCO DOWNTOWN	66.3	66.4	-0.1		52.2	52.8	-0.6	
WOODSIDE	85.2	84.2	1.0		49.2	49.0	-0.2	
EAST BAY...								
CONCORD AIRPORT	82.2	82.6	-0.4		53.6	55.9	-2.3	
HAYWARD AIRPORT	72.6	71.9	0.7		53.2	55.2	-2.0	
LIVERMORE AP	82.8	81.1	1.7		53.4	54.1	-0.7	
MARTINEZ								
MOUNT DIABLO JUNCTION	76.0	77.6	-1.6		52.4	54.3	-1.9	
NEWARK	75.1	74.8	0.3		54.9	56.3	-1.4	

OAKLAND	71.6	71.5	0.1	53.7	55.0	-1.3
OAKLAND AIRPORT	69.9	70.5	-0.6	51.1	53.8	-2.7

SOUTH BAY AND SANTA CRUZ COUNTY...

GILROY	84.6	83.8	0.8	52.0	52.5	-0.5
MOFFETT FIELD	75.9	76.2	-0.3	54.4	56.6	-2.2
MOUNT HAMILTON	69.8	70.7	-0.9	52.7	55.6	-2.9
SAN JOSE	78.7	79.1	-0.4	54.3	56.0	-1.7
SANTA CRUZ	75.1	74.7	0.4	49.3	51.8	-2.5
WATSONVILLE	71.5	71.3	0.2	50.6	51.7	-1.1
WATSONVILLE AP	69.7	73.1	-3.4	50.1	50.7	-0.6

MONTEREY AND SAN BENITO COUNTIES...

CARMEL VALLEY	75.8	76.4	-0.6	45.6	48.7	-3.1
KING CITY	81.0	83.3	-2.3	49.1	50.4	-1.3
MONTEREY	64.4	64.9	-0.5	48.9	50.3	-1.4
MONTEREY AIRPORT	67.1	66.7	0.4	51.3	52.0	-0.7
SALINAS	70.0	70.1	-0.1	48.7	51.0	-2.3
SALINAS AIRPORT	70.6	70.2	0.4	52.1	53.1	-1.0

...JUNE REGIONAL PRECIPITATION SUMMARY...

LOCATION	JUN TOTAL	NORMAL JUN PRECIP	PERCENT OF NORMAL
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NORTH BAY...

ANGWIN	0.07	0.29	24
CALISTOGA	0.06	0.22	27
CLOVERDALE	0.02	0.16	13
FORT ROSS	0.34	0.35	97
HEALDSBURG	0.02	0.20	10
KENTFIELD	0.04	0.25	16
MUIR WOODS	0.23	0.36	64
NAPA	0.04	0.19	21
NAPA AIRPORT	0.05	0.19	26
OCCIDENTAL	0.35	0.41	85
PETALUMA AIRPORT	0.03	0.17	18
SAINT HELENA	0.00	0.16	0
SAN RAFAEL	0.02	0.14	14
SANTA ROSA	0.04	0.23	17
SONOMA COUNTY AP	0.02	0.24	8
SONOMA			

SAN FRANCISCO PENINSULA...

HALF MOON BAY	0.40	0.29	138
PALO ALTO	0.08	0.09	89
REDWOOD CITY	0.17	0.10	170

SAN FRANCISCO			
AIRPORT	0.09	0.11	82
SAN FRANCISCO			
DOWNTOWN	0.14	0.16	88
WOODSIDE	0.12	0.15	80

EAST BAY...

CONCORD	0.04	0.10	40
CONCORD AIRPORT	0.07	0.09	78
FREMONT	0.14	0.10	140
HAYWARD AIRPORT	0.12	0.20	60
LIVERMORE	0.12	0.09	133
LIVERMORE AIRPORT	0.07	0.04	175
MOUNT DIABLO			
JUNCTION	0.09	0.19	47
NEWARK	0.10	0.11	91
OAKLAND	0.11	0.12	92
OAKLAND AIRPORT	0.09	0.18	50

SOUTH BAY AND SANTA CRUZ COUNTY...

BEN LOMOND	0.18	0.23	78
GILROY	0.02	0.11	18
LOS GATOS	0.20	0.10	200
MOFFETT FIELD	0.08	0.10	80
MOUNT HAMILTON	0.32	0.26	123
SAN JOSE	0.15	0.10	150
SANTA CRUZ	0.19	0.19	100
WATSONVILLE	0.20	0.11	182
WATSONVILLE AP	0.21	0.12	175

MONTEREY AND SAN BENITO COUNTIES...

CARMEL VALLEY	0.12	0.13	92
HOLLISTER	0.18	0.07	257
KING CITY	0.00	0.05	0
MONTEREY	0.42	0.20	210
MONTEREY AIRPORT	0.31	0.10	310
SALINAS	0.25	0.09	278
SALINAS AIRPORT	0.17	0.09	189

...DAILY TEMPERATURE RECORDS FOR JUNE 2012...

LOCATION		RECORD MAXIMUM TEMP	PREVIOUS RECORD
6/16	SAN JOSE	98	98 IN 1954

RECORD

	LOCATION	MINIMUM TEMP	PREVIOUS RECORD
6/09	OAKLAND AIRPORT	47	48 IN 1959
6/10	OAKLAND AIRPORT	50	50 IN 1953
6/10	SALINAS	44	44 IN 2002
6/15	OAKLAND AIRPORT	48	48 IN 1956

...MONTHLY RANKS FOR DOWNTOWN SAN FRANCISCO...

AVERAGE HIGH TEMPERATURE....66.3....54TH WARMEST OUT OF 136 YEARS
 AVERAGE LOW TEMPERATURE.....52.2....51ST COOLEST OUT OF 136 YEARS
 PRECIPITATION..... 0.14 IN....40TH WETTEST OUT OF 162 YEARS

...MONTHLY EXTREMES FOR SELECT LOCATIONS...

LOCATION	WARMEST DAY(S)	COOLEST DAY(S)	WETTEST DAY(S)
SANTA ROSA AIRPORT	6/16 103 DEG	6/25 42 DEG	6/04 0.02 IN
SAN FRANCISCO	6/16 86 DEG	6/02 49 DEG	6/04 0.13 IN
SAN JOSE	6/16 98 DEG	6/09 49 DEG	6/04 0.15 IN
SALINAS AIRPORT	6/16 85 DEG	6/05 47 DEG	6/04 0.16 IN

NOTE: THIS CLIMATOLOGICAL DATA IS PRELIMINARY. FOR OFFICIAL
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