

# June 2021 weather summary

**Rainfall:** 111.7mm (218% of normal).

**First half of the month, dry, warm and sunny, second half, very wet, cooler and duller**

It was a June of two halves. The first 15 days were 'dry' with only 3.5mm of rainfall 3.1% of the months total, with 108.2mm falling in the second half of the month. It was the wettest last 15 days for over 50 years, dominated by three noteworthy rainfall events. The first was on 17th when 32.4mm was recorded. On 18th a further 24.1mm fell. These events were over two rainfall 'days' (09am to 09am), the third highest total in the last 50 years, but the highest total rainfall during a 24 hour period (19:00 hour on 17th to 19:00 hour on 18th) produced 56.0mm.

This rainfall event caused the Rivers Loddon and Emmbrook to burst their banks and caused some flooding including the closure of Mill Lane (Sindlesham/Earley) on 20<sup>th</sup> and 21<sup>st</sup> June.

The three noteworthy rainfall totals are listed in the top twenty highest daily totals for June in the last 50 years. Only 1971 has three daily falls also listed.

The months total rainfall was the 6<sup>th</sup> wettest June since records began in 1921. However, 2012 (122.0mm) and 2019 (113.0mm) were wetter,

The number of 'rain days (0.2mm or more) were 12 this is normal. The number of 'wet days' (1.0mm or more) were 10, which is 1 more than normal.

The longest 'dry spell' was 11 days (5<sup>th</sup> to 15<sup>th</sup>), the longest in June since 2018.



**Photo: Flooding behind Wickham Close Lower Earley from the River Loddon on 30<sup>th</sup> January 2021. Conditions were similar on 21<sup>st</sup> June when the river peaked.**

## The last 3 months, (April – May - June)

The overall period April to June 2021 was wet (219.1mm 146% of average) due to the very wet May 92.7mm (193%) and June 111.7mm (218%). This made it the wettest equivalent period since 2014 (239.3mm). If it were not for the dry April 14.7mm (29%) it could have been the wettest for many years. 1971 remains the wettest with 267.4mm.

The **12-month period** (July 2020 to June 2021) provides a total of 804.7mm (118% of average). This period includes the 3<sup>rd</sup> wettest October since records began in 1921.

## Temperature

Temperature like rainfall was a month of two halves. The first half of the month was generally warm or very warm but the second half saw most days below normal. Overall, the mean maxima air temperature was 21.4c (+1.0c above normal)

The mean minima temperature was 12.2c (+1.5c above normal). Therefore, a mean temperature of 16.8c (+1.2c above normal).

The highest maximum was 27.1c on 2<sup>nd</sup>. This was the lowest recorded since 2016 and the first time that 30c has **not been** exceeded in June in 5 years.

The lowest minimum was 5.3c (23<sup>rd</sup>) the lowest temperature in June since 2015.

The lowest grass minimum recorded was 1.1c (23<sup>rd</sup>). Therefore, were zero air and ground frosts.

The mean maxima over this period were 16.6c (-1.0c below normal) and the coldest since 2013. The mean minima were 6.6c (-1.2c below normal). This was also the coldest since 2013. The mean temperature was 11.6c (-1.1c below normal).

## Sunshine

A sunny first half of the month with 144.1 hours of sunshine (74% of the months total). Overall June recorded 195.1 hours and this was close to normal, but the dullest since 2016. The sunniest day was 15.4 hours (13<sup>th</sup>), and there were 4 sunless days (2 more than average).

The sunshine total for this 3-month period is above average with a total of 602.4 hours (108%), but well below the same period in 2020 846.5 hours.

**UV levels;** UV levels averaged 5.0 (moderate level). The highest reading was 7.0 on 6<sup>th</sup>. There were 6 days in the 'low category' and 13 days in the 'medium category' and 11 days (all in the first 16 days) in the 'high category'

## Thunder

There were 0 days with thunder heard (2 less than normal).

## Hail

There were 0 days with hail.

## Fog

At the 0900am observation there were 0 day with fog observed. (normal).

## Wind

**Wind gusts (at or above 50km/hr)** There was zero days with a wind gust at or above 50km/hr.

### **Wind direction (at 0900am observation GMT)**

N	9.7%	E	0.0%	S	9.7%	W	6.5%	Calm	0.0%
NNE	9.7%	ESE	0.0%	SSW	16.1%	WNW	3.2%		
NE	9.7%	SE	0.0%	SW	0.0%	NW	12.9%		
ENE	9.7%	SSE	0.0%	WSW	6.5%	NNW	3.2%		