

Rainfall and groundwater level information - October 2023

Rainfall average

Station: Waddington

Climate period: 1991-2020

Month	Rainfall (mm)	Cumulative (mm)
January	47.61	47.61
February	38.37	85.98
March	36.43	122.41
April	44.28	166.69
May	47.02	213.71
June	60.32	274.03
July	60.33	334.36
August	58.29	392.65
September	51.97	444.62
October	61.40	506.02
November	56.93	562.95
December	51.86	614.81
Annual	614.81	

Rainfall actual

Station: Waddington

Year 2020 2021 2022 2023

Month	Rainfall (mm)			
	2020	2021	2022	2023
January	27.8	89.6	19.6	36.0
February	99.4	45.6	62.6	12.6
March	17.6	14.8	41.5	74.6
April	13.2	5.2	14.4	52.8
May	11.0	91.4	63.8	37.0
June	61.6	40.2	27.6	25.4
July	59.2	82.6	19.6	108.8
August	64.6	27.4	60.8	36.4
September	27.6	56.4	61.2	69.6
October	81.0	73.4	99.0	165.6
November	23.2	21.2	82.8	
December	90.2	60.8	44.6	
Annual	576.4	608.6	597.5	618.8
<i>% of average</i>	93.8%	99.0%	97.2%	122.3%
				Year to date
				Year to date

Waddington is the nearest Met Office station to Heighington and we use its data to provide an approximation for local rainfall.

Groundwater Level

The groundwater level stated here is for the Stow 2 borehole, which is located near to Brinkle Spring Lane, Heighington.

The level is specified in metres (mAOD).
mAOD= Meters above ordnance datum.

This gives the actual elevation of the groundwater level referenced to the mean sea level at the UK Ordnance datum at Newlyn, Cornwall. All elevations in the UK are derived from this datum.

The groundwater level stated here is for the 15th day of the month specified (or the nearest day if data is missing).

Year 2020 2021 2022 2023

Month	Groundwater level (mAOD)			
	2020	2021	2022	2023
January	8.70	8.95	8.44	9.31
February	8.19	9.49	7.44	7.89
March	8.65	8.09	8.30	7.18
April	7.28	6.96	7.63	8.23
May	6.20	6.20	6.57	7.65
June	4.85	6.89	5.59	6.66
July	4.40	6.29	4.06	5.55
August	3.60	5.63	2.82	6.17
September	3.74	4.31	3.25	5.09
October	3.70	5.07	3.20	6.32
November	4.61	5.55	7.56	
December	5.81	6.65	8.59	

Heighington suffered localised flooding in December 2012 and also in November 2019. 2012 had been a particularly wet year with an annual rainfall of 826.8mm. Rainfall in the 12 months to November 2019 also exceeded 800mm. In the flood periods 22/12/2012-30/12/2012 and 9/11/2019-19/11/2019 the groundwater level at the Stow 2 borehole exceeded 10mAOD. More recently Heighington suffered localised flooding in October 2023. This particular event was caused by excessive rainfall in the period 18/10/2023-21/10/2023 (98.8mm at Waddington) not through raised groundwater. During the flood period the groundwater level at the Stow 2 borehole stabilised at 8.29mAOD, well below the usual flood level of 10mAOD. Heighington Parish Council provides information about rainfall and groundwater level to inform residents of the potential for localised flooding. We also hope the information will be of wider interest (e.g. for gardeners and farmers). We thank the Environment Agency for providing the groundwater level data.

You can sign up for the Government's Flood Alert system here:

<https://www.gov.uk/sign-up-for-flood-warnings>

Information about monthly rainfall for Waddington is available online here (*typically updated early in the following month*):

<https://www.metoffice.gov.uk/research/climate/maps-and-data/historic-station-data>

Information about average rainfall for Waddington is available online here:

<https://www.metoffice.gov.uk/research/climate/maps-and-data/uk-climate-averages>

Up to date information about the level of Heighington Beck (which runs through the village) is available online here:

<https://check-for-flooding.service.gov.uk/station/6061>