## Monthly water situation report:

## South-east England

## 1 Summary - February 2024

High rainfall totals occurred throughout February across the whole of the south east of England with 289\% of the long term average (LTA) rainfall being recorded during the month. By the twelfth just over a month's rainfall had already been logged. Soil moisture deficits were reduced below the LTA, on average across the south east of England by the twelfth of February after the first heavy rainfall was recorded. Recharge was therefore occurring for much of the month across most of the south east of England. River flows at all of the key indicator sites were notably high or higher during February, with just one exception at Hawley on the River Darent Kent and South London (KSL) that recorded a monthly mean flow of above normal. There were a total of 209 fluvial flood alerts issued during February, 43 flood warnings and 20 groundwater flood alerts issued and updated during the month. Groundwater levels have risen at all of the key indicator sites, with only 1 exception at Lopcombe Corner, Solent and South Downs (SSD) that has levelled off during the month. Two thirds of the sites were notably high or exceptionally high, with Wolverton (KSL) groundwater level at its highest February level since records began in 1971.

### 1.1 Rainfall

High rainfall totals occurred throughout February across the whole of the south east of England with $289 \%$ of the LTA rainfall being recorded during the month. By the twelfth just over a month's rainfall had already been logged and by the last week over 2 times the monthly rainfall had been recorded. In particular, bands of heavy rain moved west to east from February 22 causing extensive flooding in parts of the south east for the second time in 2024. The highest daily total was 43.8 mm recorded on twenty fifth at Hastings Baldslow raingauge (SSD). Thames (THM) and SSD both recorded their wettest February on record. In addition, the south east of England and Hertfordshire and North London (HNL) were both the second wettest February on record since 1951. Over half the areal units were the wettest or second wettest on record. Many units exceeded the totals set in 1951 or even earlier such as the Upper Thames (THM), which was higher than the 1937 total and the Berkshire Downs (THM) where February 2024 was higher than 1915. Those units that were second wettest were generally second wettest since 1951 or 2014.

### 1.2 Soil moisture deficit and recharge

Soil moisture deficits were reduced below the LTA, on average across the south east of England by the twelfth of February after the first heavy rainfall was recorded. They were then
eliminated in every areal unit by the end of the month after further bands of persistent and heavy rainfall crossed the south east. Recharge was therefore occurring for much of the month across most of the south east of England. Recharge in some areal units was higher than $400 \%$ of the LTA and for the winter so far (October to February) recharge averaged $236 \%$ of the LTA across the south east.

### 1.3 River flows

River flows at all of the key indicator sites were notably high or higher during February, with just one exception at Hawley on the River Darent (KSL) that recorded a monthly mean flow of above normal. There were several responses by the flows to the pulses of rainfall that crossed the south east of England. These peaks were generally on an upward trend throughout the month at most sites. Many sites recorded high flows, including the Wey at Tilford and the Thames at Farmoor (both THM) both reaching the third highest flows since 2020 and 1995 respectively. The Kennet at Marlborough (THM) and the Lymington River at Brockenhurst (SSD) both reached the second highest flows on record since 2014. There were a total of 209 fluvial flood alerts issued during February, 43 flood warnings and 20 groundwater flood alerts issued and updated during the month.

| HNL |  |  |  |  |  |  |  | SHM |  | KSL | Total |
| :--- | :--- | :--- | :--- | :--- | :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Fluvial Alerts | 32 | 70 | 49 | 58 | 209 |  |  |  |  |  |  |
| Fluvial <br> Warnings | 0 | 20 | 17 | 6 | 43 |  |  |  |  |  |  |
| GW alerts | 2 | 2 | 14 | 2 | 20 |  |  |  |  |  |  |
| Total | 34 | 92 | 80 | 66 | 272 |  |  |  |  |  |  |

### 1.4 Groundwater levels

Groundwater levels have risen at all of the key indicator sites, with only 1 exception at Lopcombe Corner (SSD) that has levelled off during the month. This reflects the very high rainfall and recharge during February. Two thirds of the sites were notably high or exceptionally high, with a few sites being the third highest level on record, including at Gibbet Cottages (THM) and West Meon (SSD). Chilgrove and Carisbrooke (both SSD), ended the month at the second highest level on record since 1915 and 2010 respectively. Wolverton (KSL) groundwater level was at its highest February level since records began in 1971.

### 1.5 Reservoir stocks

Reservoir stocks ended February below the LTA at Farmoor (THM), Lee Valley (HNL) and Arlington (SSD) reservoirs and above the LTA at Lower Thames (THM), Ardingly (SSD), Bough Beech, Darwell, Bewl, Powdermill \& Weir Wood (all KSL) reservoirs.

All data are provisional and may be subject to revision. The views expressed in this document are not necessarily those of the Environment Agency. Its officers, servants or agents accept no liability for any loss or damage arising from the interpretation or use of the information, or reliance upon views contained in this report.

## 2 Maps

### 2.1 Rainfall map

Figure 2.1: Total rainfall for hydrological areas for the current month (up to 29 February 2024), the last 3 months, the last 6 months, and the last 12 months, classed relative to an analysis of respective historic totals. Table available in the appendices with detailed information.


Rainfall data for 2024, extracted from Environment Agency 1km gridded rainfall dataset derived from Environment Agency intensity rain gauges. (Source: Environment Agency. Crown Copyright, 100024198, 2024). Rainfall data prior to 2024, extracted from Met Office HadUK 1 km gridded rainfall dataset derived from registered rain gauges. (Source: Met Office. Crown copyright, 2024).

### 2.2 River flows and groundwater levels map

Figure 2.2: Monthly mean river flow for indicator sites for February 2024, expressed as a percentage of the respective long term average and classed relative to an analysis of historic February monthly means Table available in the appendices with detailed information. Groundwater levels for indicator sites at the end of February 2024, classed relative to an analysis of respective historic February levels. Table available in the appendices with detailed information.

Flows at gauging stations in the Medway catchment (KSL) might be affected by upstream reservoir releases.

(Source: Environment Agency). Crown copyright. All rights reserved. Environment Agency, 100024198, 2024. Geological map reproduced with kind permission from UK Groundwater Forum, BGS copyright NERC. Crown copyright. All rights reserved. Environment Agency, 100024198, 2024.

## 3 Rainfall, effective rainfall and soil moisture deficit tables

### 3.1 Rainfall, effective rainfall and soil moisture deficit table

Figure 3.1: This is a second estimate of areal rainfall, effective rainfall (percolation or runoff) and SMDs for a selection of the hydrological areas across the South-east of England. There may be significant variation within each area which must be considered when interpreting these data. When additional meteorological data is available estimates are revised which will affect the period totals in Figure 3.2.

| Number | Hydrological Area | Rainfall (mm) 29 day Total | February <br> \% LTA | Effective <br> Rainfall <br> (mm) <br> 29 day <br> total | February <br> \% LTA | SMD (mm) Day 29 | End Feb LTA |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 6010TH | Cotswolds West (A) | 158 | 276\% | 136 | 327\% | 0 | 3 |
| 6070TH | Berkshire Downs (G) | 145 | 277\% | 122 | 332\% | 0 | 3 |
| 6130TH | Chilterns - <br> West (M) | 130 | 274\% | 108 | 345\% | 0 | 4 |
| 6162TH | North Downs - Hampshire (P) | 161 | 272\% | 139 | 323\% | 0 | 3 |
| 6190TH | Wey Greensand (S) | 150 | 268\% | 128 | 325\% | 0 | 3 |
|  | Thames Average | 134 | 281\% | 111 | 354\% | 0 | 4 |
|  | Thames Catchment Average | 134 | 279\% | 112 | 351\% | 0 | 4 |
| 6140TH | Chilterns East - Colne (N) | 132 | 275\% | 110 | 348\% | 0 | 4 |
| 6600TH | Lee Chalk | 113 | 275\% | 90 | 399\% | 0 | 9 |
| 6507TH | North London | 104 | 268\% | 79 | - | 0 | 6 |
| 6509TH | Roding | 102 | 276\% | 79 | - | 0 | 7 |
|  | Herts and North London | 111 | 272\% | 88 | 385\% | 0 | 6 |
| 6230TH | North Downs - South London (W) | 132 | 263\% | 110 | 325\% | 0 | 3 |
| 6706So | Darent | 116 | 265\% | 93 | 357\% | 0 | 4 |


| 6707So | North Kent <br> Chalk | 129 | $280 \%$ | 106 | $374 \%$ | 0 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6708So | Stour | 138 | $297 \%$ | 115 | - | 0 | 3 |
| 6809So | Medway | 145 | $288 \%$ | 123 | $363 \%$ | 0 | 2 |
|  | Kent \& South <br> London <br> Average | 129 | $290 \%$ | 106 | - |  | 0 |
| 6701 So | Test Chalk | 152 | $262 \%$ | 130 | $307 \%$ | 0 | 8 |
|  | East <br> Hampshire <br> Chalk | 180 | $287 \%$ | 158 | $336 \%$ | 0 | 2 |
| 6702 So |  |  |  |  |  |  |  |
| 6703So | West Sussex <br> Chalk | 197 | $315 \%$ | 176 | $373 \%$ | 0 | 2 |
| 6804 So | Arun | 149 | $270 \%$ | 126 | $328 \%$ | 0 | 2 |
| 6805 So | Adur | 154 | $280 \%$ | 133 | $339 \%$ | 0 | 2 |
|  |  <br> South Downs <br> Average | 174 | $300 \%$ | 152 | $363 \%$ | 0 | 3 |
|  | South East <br> Average | 142 | $289 \%$ | 119 | $372 \%$ | 0 | 5 |

HadUK rainfall data. (Source: Met Office. Crown copyright, 2024).
EA effective rainfall and soil moisture deficit data (Source EA Soil Moisture Model 2024.)

### 3.2 Seasonal summary table of rainfall and effective rainfall

Figure 3.2 This is a seasonal estimate of areal rainfall and effective rainfall (percolation or runoff) for a selection of the hydrological areas across the South-east of England, expressed as totals and as a percentage of the LTA. There may be significant variation within each area which must be considered when interpreting these data. When additional meteorological data is available estimates are revised which will affect the period totals.

Winter period 01/10/2023 to 29/02/2024

| Number | Hydrological Area | Seasonal <br> Rainfall (mm) <br> Total | Seasonal Rainfall as \% LTA | Seasonal Effective <br> Rainfall (mm) <br> Total | Seasonal Effective Rainfall as \% LTA |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 6010TH | Cotswolds West (A) | 625 | 174\% | 519 | 225\% |
| 6070TH | Berkshire Downs (G) | 639 | 184\% | 504 | 267\% |
| 6130TH | Chilterns West (M) | 537 | 167\% | 374 | 233\% |
| 6162TH | North Downs - Hampshire (P) | 682 | 168\% | 516 | 209\% |
| 6190TH | Wey Greensand (S) | 659 | 169\% | 481 | 206\% |
|  | Thames Average | 557 | 173\% | 402 | 247\% |
|  | Thames Catchment Average | 561 | 172\% | 401 | 238\% |
| 6140TH | Chilterns East - Colne (N) | 539 | 167\% | 367 | 228\% |
| 6600TH | Lee Chalk | 458 | 167\% | 280 | 278\% |
| 6507 TH | North London | 455 | 162\% | 260 | 253\% |
| 6509TH | Roding | 431 | 167\% | 241 | 271\% |
|  | Herts and North London | 467 | 165\% | 283 | 253\% |
| 6230TH | North Downs - South London (W) | 563 | 158\% | 378 | 188\% |


| 6706 So | Darent | 509 | $166 \%$ | 299 | $208 \%$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 6707So | North Kent <br> Chalk | 540 | $165 \%$ | 333 | $202 \%$ |
| 6708So | Stour | 607 | $175 \%$ | 399 | $229 \%$ |
| 6809So | Medway | 636 | $175 \%$ | 450 | $206 \%$ |
|  | Kent \& South <br> London <br> Average | 560 | $172 \%$ | 352 | $225 \%$ |
| 6701So | Test Chalk | 674 | $174 \%$ | 535 | $236 \%$ |
| 6702So | East <br> Hampshire <br> Chalk | 780 | $182 \%$ | 624 | $224 \%$ |
| 6703So | West Sussex <br> Chalk | 862 | $196 \%$ | 695 | $235 \%$ |
| 6804 So | Arun | 685 | $175 \%$ | 511 | $209 \%$ |
| 6805So | Adur | 685 | $171 \%$ | 509 | $197 \%$ |
|  |  <br> South Downs <br> Average | 760 | $186 \%$ | 593 | $233 \%$ |
|  | South East <br> Average | 610 | $177 \%$ | 433 | $236 \%$ |

HadUK rainfall data. (Source: Met Office. Crown copyright, 2024).
EA effective rainfall data (Source EA Soil Moisture Model 2024.)

## 4 Thames

### 4.1 Thames Rainfall and effective rainfall charts

Figure 4.1: Monthly rainfall and effective rainfall totals for the past 24 months compared to the 1961 to 1990 long term average for a selection of areal units.

Monthly total rainfall (mm)


Berkshire Downs - Rainfall


Long term average rainfall (mm)


Berkshire Downs - Effective Rainfall



HadUK rainfall data. (Source: Met Office. Crown copyright, 2024).
EA effective rainfall data (Source EA Soil Moisture Model, 2024).

### 4.2 Thames River flow charts

Figure 4.2: Daily mean river flow for index sites over the past year, compared to an analysis of historic daily mean flows, and long term maximum and minimum flows.

Please note that the peak at Marlborough in January 2024 is thought to be overestimated. It is being checked.







Source: Environment Agency. 2024

### 4.3 Thames Groundwater level charts

Figure 4.3: End of month groundwater levels at index groundwater level sites for major aquifers. 22 months compared to an analysis of historic end of month levels and long term maximum and minimum levels. Tile Barn Farm data has been estimated from 2 local sites since April 2022. A replacement is planned.

Exceptionally high
Below normal
$\square$ Notably high Notably low

Ranking derived from data for the period Jan-1974 to Dec-2022


ROCKLEY OBH
Ranking derived from data for the period Mar-1933 to Dec-2022


| Above normal | Normal |
| :--- | :--- |
| Exceptionally low | Latest data |

STONOR PARK
Ranking derived from data for the period May-1961 to Dec-2022


TILE BARN FARM
Ranking derived from data for the period Oct-1971 to Dec-2022


Source: Environment Agency, 2024.

### 4.4 Thames Reservoir stocks

Figure 4.4: End of month regional reservoir stocks compared to long term maximum, minimum and average stocks. Note: Historic records of individual reservoirs and reservoir groups making up the regional values vary in length.

----AVE ----MIN - $2003-2017$ - 2022 - $2023-2024$
Thames Water - Farmoor Reservoir - Upper Thames

(Source: water companies).

## 5 Hertfordshire and North London (HNL)

### 5.1 HNL Rainfall and Effective rainfall charts

Figure 5.1: Monthly rainfall and effective rainfall totals for the past 24 months compared to the 1961 to 1990 long term average for a selection of areal units.

Monthly total rainfall (mm)


Lee Chalk - Rainfal


Long term average rainfall (mm)


Lee Chalk - Effective Rainfal


HadUK rainfall data. (Source: Met Office. Crown copyright, 2024).
EA effective rainfall data (Source EA Soil Moisture Model, 2024).

### 5.2 HNL River flow charts

Figure 5.2 Daily mean river flow for index sites over the past year, compared to an analysis of historic daily mean flows, and long term maximum and minimum flows.



Source: Environment Agency. 2024

### 5.3 HNL Groundwater level charts

Figure 5.3: End of month groundwater levels at index groundwater level sites for major aquifers. 22 months compared to an analysis of historic end of month levels and long term maximum and minimum levels.


Source: Environment Agency, 2024.

### 5.4 HNL Reservoir stocks

Figure 5.4: End of month regional reservoir stocks compared to long term maximum, minimum and average stocks. Note: Historic records of individual reservoirs and reservoir groups making up the regional values vary in length.

$$
\text { ----AVE ----MIN —— } 2003-2017-2022-2023-2024
$$


(Source: water companies).

## 6 Solent and South Downs (SSD)

### 6.1 SSD Rainfall and Effective Rainfall charts

Figure 6.1: Monthly rainfall and effective rainfall totals for the past 24 months as a percentage of the 1961 to 1990 long term average for a selection of areal units.

Monthly total rainfall (mm)


Lymington - Rainfall


Long term average rainfall (mm)


Lymington - Effective Rainfall



HadUK rainfall data. (Source: Met Office. Crown copyright, 2024).
EA effective rainfall data (Source EA Soil Moisture Model, 2024).

### 6.2 SSD River flow charts

Figure 6.2: Daily mean river flow for index sites over the past year, compared to an analysis of historic daily mean flows, and long term maximum and minimum flows.


Source: Environment Agency. 2024

### 6.3 SSD Groundwater levels

Figure 6.3: End of month groundwater levels at index groundwater level sites for major aquifers. 22 months compared to an analysis of historic end of month levels and long term maximum and minimum levels.

| Exceptionally high | Notably high |
| :--- | :--- | :--- |
| Below normal | Notably low |

CLANVILLE GATE GWL
Ranking derived from data for the period Mar-1963 to Dec-2022


CARISBROOKE CASTLE
Ranking derived from data for the period Aug-1977 to Dec-2022


HOUNDEAN BOTTOM GWL
Ranking derived from data for the period Jan-1977 to Dec-2022


| Above normal |
| :--- |
| Exceptionally low |

LOPCOMBE CORNER GWL
Ranking derived from data for the period Apr-1963 to Dec-2022


WEST MEON HUT GWL
Ranking derived from data for the period Sep-1986 to Dec-2022


CHILGROVE HOUSE GWL
Ranking derived from data for the period Feb-1836 to Dec-2022


Source: Environment Agency, 2024.

### 6.4 SSD Reservoir stocks

Figure 6.4: End of month regional reservoir stocks compared to long term maximum, minimum and average stocks. Note: Historic records of individual reservoirs and reservoir groups making up the regional values vary in length.
----AVE ----MIN - 2020 - 2022 - $2023-2024$
South East Water - Ardingly Reservoir - Ouse

----AVE ----MIN - 2020 - 2022 - $2023-2024$
South East Water - Arlington Reservoir - Cuckmere

(Source: water companies).

## 7 Kent and South London (KSL)

### 7.1 KSL Rainfall and Effective Rainfall charts

Figure 7.1: Monthly rainfall and effective rainfall totals for the past 24 months compared to the 1961 to 1990 long term average for a selection of areal units.

Monthly total rainfall (mm)


Eastern Rother - Rainfall


Long term average rainfall (mm)


Eastern Rother - Effective Rainfall



HadUK rainfall data. (Source: Met Office. Crown copyright, 2024).
EA effective rainfall data (Source EA Soil Moisture Model, 2024).

### 7.2 KSL River flow charts

Figure 7.2: Daily mean river flow for index sites over the past year, compared to an analysis of historic daily mean flows, and long term maximum and minimum flows.


Source: Environment Agency. 2024

### 7.3 KSL Groundwater levels

Figure 7.3: End of month groundwater levels at index groundwater level sites for major aquifers. 22 months compared to an analysis of historic end of month levels and long term maximum and minimum levels.

| Exceptionally high | Notably high |
| :--- | :--- | :--- |
| Below normal | Notably low |

CHIPSTEAD GWL
Ranking derived from data for the period Oct-1942 to Dec-2022


LITTLE BUCKET FM
Ranking derived from data for the period Jan-1971 to Dec-2022



SWEEPS LANE
Ranking derived from data for the period Jan-1984 to Dec-2022


RIDDLES LANE
Ranking derived from data for the period Apr-1982 to Dec-2022


Source: Environment Agency. 2024

### 7.4 KSL Reservoir stocks

Figure 7.4: End of month regional reservoir stocks compared to long term maximum, minimum and average stocks. Note: Historic records of individual reservoirs and reservoir groups making up the regional values vary in length.

(Source: water companies).

## 8 Glossary

### 8.1 Terminology

## Aquifer

A geological formation able to store and transmit water.

## Areal average rainfall

The estimated average depth of rainfall over a defined area. Expressed in depth of water (mm).

## Artesian

The condition where the groundwater level is above ground surface but is prevented from rising to this level by an overlying continuous low permeability layer, such as clay.

## Artesian borehole

Borehole where the level of groundwater is above the top of the borehole and groundwater flows out of the borehole when unsealed.

## Cumecs

Cubic metres per second ( $\mathrm{m}^{3 s-1}$ ).

## Effective rainfall

The rainfall available to percolate into the soil or produce river flow. Expressed in depth of water (mm).

## Flood alert and flood warning

Three levels of warnings may be issued by the Environment Agency. Flood alerts indicate flooding is possible. Flood warnings indicate flooding is expected. Severe flood warnings indicate severe flooding.

## Groundwater

The water found in an aquifer.

## Long term average (LTA)

The arithmetic mean calculated from the historic record, usually based on the period 1961 to 1990. However, the period used may vary by parameter being reported on (see figure captions for details).

## mAOD

Metres above ordnance datum (mean sea level at Newlyn Cornwall).

## MORECS

Met Office Rainfall and Evaporation Calculation System. Met Office service providing real time calculation of evapotranspiration, soil moisture deficit and effective rainfall on a 40 by 40 km grid.

## Naturalised flow

River flow with the impacts of artificial influences removed. Artificial influences may include abstractions, discharges, transfers, augmentation and impoundments.

## NCIC

National Climate Information Centre. NCIC area monthly rainfall totals are derived using the Met Office 5 km gridded dataset, which uses rain gauge observations.

## Recharge

The process of increasing the water stored in the saturated zone of an aquifer. Expressed in depth of water (mm).

## Reservoir gross capacity

The total capacity of a reservoir.

## Reservoir live capacity

The capacity of the reservoir that is normally usable for storage to meet established reservoir operating requirements. This excludes any capacity not available for use (for example, storage held back for emergency services, operating agreements or physical restrictions). May also be referred to as 'net' or 'deployable' capacity.

## Soil moisture deficit (SMD)

The difference between the amount of water actually in the soil and the amount of water the soil can hold. Expressed in depth of water (mm).

### 8.2 Categories

## Exceptionally high

Value likely to fall within this band $5 \%$ of the time.

## Notably high

Value likely to fall within this band $8 \%$ of the time.

## Above normal

Value likely to fall within this band $15 \%$ of the time.

## Normal

Value likely to fall within this band $44 \%$ of the time.

## Below normal

Value likely to fall within this band $15 \%$ of the time.

## Notably low

Value likely to fall within this band $8 \%$ of the time.

## Exceptionally low

Value likely to fall within this band $5 \%$ of the time.

## 9 Appendices

### 9.1 Rainfall table

$\left.\begin{array}{|l|l|l|l|l|l|}\hline \begin{array}{l}\text { Hydrological } \\ \text { area }\end{array} & \begin{array}{l}\text { Feb 2024 } \\ \text { rainfall \% of } \\ \text { long term } \\ \text { average } \\ 1961 \text { to 1990 }\end{array} & \text { Feb 2024 } \\ \text { band }\end{array} \quad \begin{array}{l}\text { Dec 2023 to } \\ \text { February } \\ \text { cumulative } \\ \text { band }\end{array} \quad \begin{array}{l}\text { Sep 2023 to } \\ \text { February } \\ \text { cumulative } \\ \text { band }\end{array} \quad \begin{array}{l}\text { Mar 2023 to } \\ \text { February } \\ \text { cumulative } \\ \text { band }\end{array}\right]$

| West Sussex Chalk | 146 | Above Normal | Exceptionally high | Notably high | Normal |
| :---: | :---: | :---: | :---: | :---: | :---: |
| East Sussex Chalk | 163 | Notably High | Exceptionally high | Exceptionally high | Normal |
| Sw Isle Of Wight | 143 | Above Normal | Exceptionally high | Notably high | Normal |
| River Darent | 112 | Normal | Notably high | Normal | Normal |
| North Kent Chalk | 122 | Normal | Notably high | Above normal | Normal |
| Stour | 146 | Above Normal | Notably high | Normal | Normal |
| Dover Chalk | 167 | Above Normal | Notably high | Above normal | Normal |
| Thanet Chalk | 135 | Normal | Above normal | Normal | Below normal |
| Western Rother Greensand | 149 | Above Normal | Exceptionally high | Notably high | Normal |
| Hampshire Tertiaries | 143 | Above Normal | Exceptionally high | Above normal | Normal |
| Lymington <br> River Avon <br> Water And O | 140 | Above Normal | Notably high | Above normal | Normal |
| Sussex Coast | 132 | Normal | Exceptionally high | Notably high | Normal |
| River Arun | 136 | Above Normal | Exceptionally high | Notably high | Normal |
| River Adur | 141 | Above Normal | Exceptionally high | Exceptionally high | Normal |
| River Ouse | 151 | Above Normal | Exceptionally high | Exceptionally high | Normal |
| Cuckmere River | 160 | Notably High | Exceptionally high | Exceptionally high | Normal |
| Pevensey Levels | 161 | Above Normal | Notably high | Above normal | Normal |
| River Medway | 135 | Above Normal | Exceptionally high | Notably high | Normal |
| Eastern Rother | 159 | Above Normal | Exceptionally high | Above normal | Normal |
| Romney Marsh | 158 | Above Normal | Notably high | Above normal | Normal |
| North West Grain | 113 | Normal | Notably high | Normal | Below normal |
| Sheppy | 118 | Normal | Above normal | Normal | Below normal |

### 9.2 River flows table

| Site name | River | Catchment | Feb 2024 band | Jan 2024 band |
| :---: | :---: | :---: | :---: | :---: |
| Colney Street hansteads | Ver | Colne | Above normal | Above normal |
| Feildes Weir (nat) | Lee (middle) | Lee | Normal | Above normal |
| Panshanger | Mimram | Lee | Normal | Normal |
| Crabble Mill Gs | Dour | Little Stour | Normal | Normal |
| Hawley Gs | Darent | Darent and Cray | Normal | Above normal |
| Horton | Great Stour | Stour Kent | Normal | Notably high |
| Stonebridge | Teise | Teise | Above normal | Notably high |
| Teston \& East Farleigh Combined | Medway100 | Medway Estuary | Above normal | Exceptionally high |
| Udiam Gs | Rother | Rother Kent Lower | Notably high | Exceptionally high |
| Alfoldean Gs | Arun | Arun | Notably high | Exceptionally high |
| Allbrook Gs+ Highbridg | Itchen (so) | Itchen | Above normal | Above normal |
| Broadlands | Test | Test Lower | Normal | Normal |
| Brockenhurst Gs | Lymington | New Forest | Normal | Above normal |
| Goldbridge Gs | Ouse [so] | Ouse Sussex | Above normal | Exceptionally high |
| Iping Mill Gs | Rother | West Rother | Above normal | Exceptionally high |
| Farmoor | Thames | Thames | Normal | Normal |
| Kingston | Thames | Thames North Bank | Normal | Normal |
| Marlborough G.stn | Kennet | Kennet | Normal | Below normal |
| Sheepbridge | Loddon | Loddon | Above normal | Above normal |
| Tilford | Wey | Wey Addleston Bourne | Notably high | Exceptionally high |

### 9.3 Groundwater table

| Site name | Aquifer | End of Feb 2024 band | End of Jan 2024 band |
| :---: | :---: | :---: | :---: |
| Ashley Green Stw | Mid-chilterns Chalk | Normal | Normal |
| Lilley Bottom | Upper Lee Chalk | Normal | Below normal |
| Little Bucket Fm | East Kent Chalk Stour | Normal | Below normal |
| Chipstead Gwl | Epsom North Downs Chalk | Below normal | Notably low |
| Riddles Lane | North Kent Swale Chalk | Above normal | Notably high |
| Sweeps Lane Gwl | West Kent Chalk | Normal | Normal |
| Houndean Bottom Gwl | Brighton Chalk Block | Notably high | Exceptionally high |
| Chilgrove House Gwl | Chichester-worthingportsdown Chalk | Notably high | Above normal |
| Carisbrooke Castle | Isle Of Wight Central Downs Chalk | Notably high | Notably high |
| West Meon Hut Gwl | River Itchen Chalk | Above normal | Normal |
| Clanville Gate Gwl | River Test Chalk | Normal | Below normal |
| Lopcombe Corner Gwl | River Test Chalk | Normal | Normal |
| Tile Barn Farm | Basingstoke Chalk | Normal | Normal |
| Rockley Obh | Berkshire Downs Chalk | Normal | Below normal |
| Jackaments Bottom Obh | Burford Oolitic Limestone (inferior) | Normal | Normal |
| Stonor Estate | South-west Chilterns Chalk | Below normal | Below normal |

### 9.4 South-east England areal units for reference



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