



METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT OVER GREAT BRITAIN

SOIL MOISTURE DEFICIT AT 0900 GMT ON 1 SEPTEMBER 1982

During the last fortnight a mobile westerly airstream has dominated the weather over the British Isles, bringing periods of prolonged rain alternating with more showery conditions. Scotland and northern England, particularly in western areas which have been nearer the centres of low pressure have had the most rain, with some of the Western Isles having rain on every day during the period.

Thunderstorms, some with hail affected the country on the 19th in a band which stretched from south western Scotland to Norfolk. Many places in England again had thunderstorms on the 26th and eastern England had thunderstorms on the 30th.

During the last fortnight northern England and Scotland, with the exception of the east coast south of the Grampian Region, had more than average rainfall while all other parts had near or less than normal. Individual reports received ranged from 287% of average at Lerwick to 23% of average at Brawdy in south western Wales.

In Wales and southern England areal deficits are similar or slightly more than they were a fortnight ago, but in northern England and Scotland they are generally lower than they were at the beginning of the period.

The Rainfall for August 1982

The provisional general value of rainfall over England and Wales for August 1982 is 84 mm which is 93% of the 1941-70 average, although this makes it a wetter August than last year both 1979 and 1980 were wetter.

The provisional general value of rainfall over Scotland was 161 mm which is 129% of the 1941-70 average this would make it the wettest August over Scotland since 1962.

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ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.) AT 09 GMT ON 1 SEP 1982

RIVER AREA	*AREAL LAND USE ESTIMATED S.M.D.		CHANGE DURING THE WEEK ENDING 09 GMT ON	
	mm		1 SEP 82 mm	25 AUG 82 mm
NORTHUMBRIAN	62.0	(54)	- 5.3	- 8.4
YORKSHIRE	64.9	(62)	+ 6.3	- 3.3
TRENT	59.1	(60)	+ 6.9	- 1.3
LINCOLNSHIRE	92.7	(86)	+ 10.8	+ 2.5
WELLAND AND NENE	100.6	(84)	+ 6.4	+ 3.5
GREAT OUSE	113.8	(88)	+ 5.2	+ 1.8
NORFOLK AND SUFFOLK	116.3	(96)	+ 6.9	- 1.5
ESSEX	125.2	(103)	+ 4.6	- 0.4
LEE DIVISION	107.1	(91)	+ 4.0	+ 0.7
THAMES CONSERVANCY	97.1	(86)	+ 3.1	+ 1.6
LONDON AREA	110.9	(98)	+ 1.5	+ 0.5
KENT	125.6	(96)	+ 4.1	- 3.3
SUSSEX	108.3	(87)	+ 2.8	- 3.2
HAMPSHIRE	87.4	(91)	+ 2.3	+ 0.8
ISLE OF WIGHT	99.3	(-)	- 5.3	- 2.3
UPPER THAMES	108.3	(-)	+ 5.2	+ 3.4
AVON AND DORSET	82.6	(77)	+ 6.2	- 6.6
DEVON	59.3	(80)	+ 3.8	- 0.7
CORNWALL	28.3	(49)	- 2.0	+ 0.8
SOMERSET	64.2	(64)	+ 11.0	- 11.5
BRISTOL AVON	86.8	(68)	+ 7.2	+ 2.7
SEVERN	75.5	(64)	+ 4.8	+ 3.4
WYE	66.7	(50)	+ 5.6	+ 3.5
USK	53.1	(44)	+ 2.5	+ 3.3
GLAMORGAN	45.7	(-)	- 1.0	+ 2.6
SOUTH WEST WALES	46.3	(30)	+ 3.9	+ 1.0
GWYNEDD	44.2	(30)	+ 3.6	- 3.9
DEE AND CLWYD	41.6	(52)	+ 1.6	- 3.8
MERSEY AND WEAVER	43.7	(45)	+ 1.3	- 11.1
LANCASHIRE	10.9	(34)	- 3.4	- 11.4
CUMBRIA	26.4	(41)	- 5.1	- 18.1

NB APART FROM NORMAL CHANGES THESE DIFFERENCES ALSO REFLECT RETROSPECTIVE ADJUSTMENTS AFTER RECEIPT OF ADDITIONAL DATA.

* Where available, the approximate average values of S.M.D. for areal land use for the time of year are given in brackets.



