



METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT OVER GREAT BRITAIN

SOIL MOISTURE DEFICIT AT 0900 ON 7 JULY 1982

A moist mainly westerly airstream bringing unsettled weather, continued to affect all parts of Great Britain during the first week of the period. England and Wales have had the wettest June for over one hundred years. Northern Scotland, which was having a dry June when the period began, became more unsettled towards the end of the month as the depressions with their associated fronts began tracking further north. Southern parts of England and Wales on the other hand began to get much drier weather during the second week of the period and some southern coastal areas have had no rain at all since the beginning of July.

The wettest day of the period was the 25 June when England and Wales had a general value of 16mm and Scotland had a general value of 12mm.

Among the highest 24 hour 09-09 GMT Rainfall day totals so far received for the period are:

25 June 45mm at Boulmer Met Office in North East England.
25 June 34mm at Cellerhead near Stoke on Trent.
27 June 31mm at Coltishall in East Anglia.

Most of Great Britain had near or more than the average rainfall during the last fortnight, the exceptions which had less than normal were parts of Scotland north of a line from Glasgow to Edinburgh, Wales, except for the West and some coastal districts of south and south western England.

Individual reports so far received range from 46% of Average at Benbecula in the western Isles to 343% of Average at Coningsby in Lincolnshire.

Although most deficits in England and Wales have increased during the last week most are still near or below the level they were at the beginning of the period. Areal deficits are still below average over all River areas except those of Kent, Somerset, Bristol Avon, Severn, Wye, Usk, Southwest Wales and Gwynedd.

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ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.) AT 09 GMT ON 7 JULY 1982

RIVER AREA	AREAL LAND USE ESTIMATED S.M.D. MM	CHANGE DURING THE WEEK ENDING -	
		7 JUL 82 MM	09 GMT ON 30 JUN 82 MM
NORTHUMBRIAN	39.5	+ 11.0	- 25.3
YORKSHIRE	42.2	+ 11.3	- 10.0
TRENT	34.7	+ 12.3	- 11.7
LINCOLNSHIRE	52.4	+ 14.5	- 15.9
WELLAND AND NENE	56.9	+ 13.1	- 13.8
GREAT OUSE	66.6	+ 12.2	- 13.1
NORFOLK AND SUFFOLK	72.7	+ 12.8	- 20.9
ESSEX	84.8	+ 12.7	- 16.0
LEE DIVISION	57.9	+ 12.1	- 21.8
THAMES CONSERVANCY	64.3	+ 11.0	- 12.0
LONDON AREA	72.7	+ 12.9	- 14.7
KENT	101.3	+ 12.0	- 7.8
SUSSEX	75.9	+ 15.3	- 8.9
HAMPSHIRE	65.9	+ 13.8	- 9.1
ISLE OF WIGHT	66.8	+ 14.5	- 3.1
UPPER THAMES	78.7	+ 11.2	- 10.2
AVON AND DORSET	72.8	+ 13.1	- 11.9
DEVON	53.7	+ 12.7	- 16.3
CORNWALL	26.0	+ 10.9	- 1.7
SOMERSET	71.9	+ 13.9	- 15.7
BRISTOL AVON	75.2	+ 12.4	- 11.0
SEVERN	54.1	+ 9.6	- 11.1
WYE	63.5	+ 8.1	- 8.8
USK	60.9	+ 7.7	- 5.2
GLAMORGAN	58.3	+ 7.1	- 2.7
SOUTH WEST WALES	57.6	+ 8.1	- 12.2
GWYNEDD	50.5	+ 8.1	- 5.1
DEE AND CLWYD	44.9	+ 7.0	- 6.3
MERSEY AND WEAVER	38.9	+ 8.1	- 16.3
LANCASHIRE	29.8	+ 8.6	- 12.5
CUMBRIA	39.9	+ 4.4	- 18.5

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



