



METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT AND POTENTIAL

EVAPOTRANSPIRATION OVER GREAT BRITAIN

SOIL MOISTURE DEFICIT AT 0900 GMT ON 8 OCTOBER 1975

Since the issue of the last bulletin (25 September 1975) to 2 October, rainfall was experienced over much of Great Britain except for South-west England and Wales on 27 September and 1 October, but on 28 September rainfall was confined mainly to Scotland and southern England. England and Wales from 3 October onwards, and Scotland from 5th, have been generally dry apart from occasional light falls of rain mainly in the north of England on 3rd, 4th and (including southern Scotland) on 5th, and in the extreme north of Scotland on 6th and 7th. The largest reported falls of rain were at Kew (23mm) on 25 September, Hurn (35mm) on 26th, Acklington and Tynemouth (30mm) on 27th, Abbotsinch (16mm) on 28th, Manston (20mm) on 29th, Squires Gate (31mm) on 30th, Carlisle (24mm) on 2 October and at Eskdalemuir (16mm) on 4th.

The rainfall of the first week reduced deficits throughout Great Britain. However, the recent dry period has caused deficits of 1 or 2 mm to develop in areas previously at field capacity; much of Scotland, the Pennines, Lake District and upland areas of Wales now have deficits of this order. The largest calculated composite deficit, amounting to 127mm, is in Salop, and deficits are about 120mm in Lincolnshire.

RATES OF SUBSCRIPTION: £7.50 per season (post free)

Apply to: Director-General
Meteorological Office, Met O 8
London Road
Bracknell
Berkshire RG12 2SZ

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ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.)

AT 09 GMT ON 8 OCT 1975

RIVER AREA	ESTIMATED AREAL	CHANGE DURING THE WEEK ENDING 09 GMT ON	
	S.M.D.	8 Oct 75	1 Oct 75
	MM	MM	MM
Northumbrian	32.0	+ 0.1	- 30.3
Yorkshire	80.9	- 9.5	- 22.8
Trent	102.1	- 7.0	- 19.8
Lincolnshire	118.9	- 5.2	- 10.9
Welland and Nene	110.1	- 1.3	- 16.6
Great Ouse	100.2	+ 2.0	- 20.9
Norfolk and Suffolk	93.9	+ 2.3	- 32.3
Essex	85.6	+ 1.2	- 33.3
Lee Division	81.2	+ 0.9	- 30.5
Thames Conservancy	73.1	+ 0.4	- 31.1
London Area	63.6	0.0	- 38.6
Kent	43.0	- 0.3	- 47.4
Sussex	38.3	+ 0.6	- 49.2
Hampshire	49.0	+ 1.1	- 45.6
Isle of Wight	49.9	- 0.7	- 51.1
Avon and Dorset	63.7	+ 1.5	- 40.3
Devon	67.6	+ 1.2	- 25.0
Cornwall	36.5	+ 2.8	- 21.9
Somerset	64.3	+ 0.7	- 33.9
Bristol Avon	79.2	+ 1.5	- 28.9
Severn	92.1	- 1.6	- 23.1
Wye	72.2	- 1.8	- 29.7
Usk	43.0	- 0.7	- 25.9
Glamorgan	39.4	- 0.7	- 19.1
South West Wales	45.8	- 1.8	- 27.8
Gwynedd	47.9	- 4.0	- 28.1
Dee and Clwyd	55.1	- 3.3	- 27.7
Mersey and Weaver	65.3	- 8.9	- 39.0
Lancashire	15.3	- 6.2	- 35.3
Cumbria	4.7	+ 0.1	- 20.8

N.B. Apart from normal changes these differences also reflect retrospective adjustments after receipt of additional data.



