



METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT AND POTENTIAL  
EVAPOTRANSPIRATION OVER GREAT BRITAIN  
SOIL MOISTURE DEFICIT AT 0900 GMT ON 30 MAY 1974

Since the issue of the last bulletin (16 May, 1974) the rainfall has been below average over most of England and Wales and generally near average over Scotland. Rain was widespread over Scotland, northern England and South-West England on 18 May and again over Scotland on 27 May. Thunderstorms occurred over much of England and Wales on 23 May.

Deficits have continued to increase rapidly over much of southern and eastern England but rather more slowly over Wales and northern England. The large deficits apparent in north-west Scotland earlier in May have been generally reduced but deficits in southern and eastern Scotland continue to increase. Short-rooted deficits now exceed 100 mms and much of south Lincolnshire, East Anglia, south east England and coastal Lancashire.

RATES OF SUBSCRIPTION: £4.00 per season (post free)

Apply to: Director-General  
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Issued on 30 May 1974

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ESTIMATED SOIL MOISTURE DEFICIT (SMD) AT 09 GMT ON 29 MAY 1974

River Authority Area	Estimated Areal SMD mm	Change During the Week Ending 09 GMT	
		29 May 1974 mm	22 May 1974 mm
Northumbria	53.3	+ 8.3	+ 9.8
Yorkshire	60.6	+ 6.8	+ 12.1
Trent	69.3	+ 5.4	+ 12.7
Lincolnshire	87.4	+ 7.7	+ 12.4
Welland and Nene	86.7	+ 4.5	+ 14.9
Great Ouse	87.9	+ 5.6	+ 16.6
East Suffolk and Norfolk	91.8	+ 6.8	+ 15.5
Essex	101.2	+ 5.7	+ 15.3
Lee Conservancy	85.5	+ 6.3	+ 16.4
Thames Conservancy	75.8	+ 6.7	+ 17.2
London Area	88.5	+ 6.7	+ 17.0
Kent	88.3	+ 7.8	+ 17.1
Sussex	83.6	+ 7.5	+ 19.1
Hampshire	78.9	+ 8.6	+ 17.9
Isle of Wight	89.4	+ 7.2	+ 18.0
Avon and Dorset	65.6	+ 8.7	+ 16.3
Devon	49.1	+ 14.1	+ 10.8
Cornwall	34.9	+ 15.1	+ 6.3
Somerset	63.5	+ 10.7	+ 13.6
Bristol Avon	68.7	+ 7.1	+ 14.7
Severn	67.0	+ 4.2	+ 13.2
Wye	58.4	+ 1.5	+ 13.2
Usk	51.6	+ 3.0	+ 11.9
Glamorgan	54.7	+ 9.4	+ 8.8
South West Wales	51.4	+ 6.6	+ 8.1
Gwynedd	49.1	+ 6.0	+ 6.5
Dee and Clwyd	51.7	+ 4.4	+ 7.7
Mersey and Weaver	61.1	- 0.1	+ 11.2
Lancashire	66.7	- 0.1	+ 11.4
Cumberland	66.0	+ 5.0	+ 8.6

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

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# ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 29 May 1974-----

Areas with no soil moisture deficit  
are shaded. Remaining areas bounded  
by 12, 25, 50, 75, 100 mm ----- lines  
SHORT ROOTED VEGETATION





