

METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT
AND EVAPOTRANSPIRATION OVER GREAT BRITAIN

SOIL MOISTURE DEFICIT AT 0900 GMT ON 28 MAY 1975

Since the issue of the last bulletin (15 May 1975), Great Britain has been mainly dry with occasional periods of rain. Rainfall occurred mainly in scattered areas of northern Scotland and southern England on the 15th. Heavy rain occurred in the South and South-East on the 16th with 33 mm falling at Kew. Widespread rain fell in England on the 17th with a reported maximum of about 20 mm in the East Midlands. The 18th to 27th was generally dry except for a few scattered areas of both Scotland (19 to 21st), and England and Wales (22 to 27th); during this period the maximum reported rainfall was 7 mm at Benbecula on the 19th.

Deficits have continued to develop quickly since the last issue with the exception of those areas (th South, South-East and East Anglia) affected by the rainfall of the 16th and 17th, where deficits were reduced considerably for a time, but they have increased again over the past week. The largest deficits are to be found in Ayresshire and Fife, and amount to some 67 and 65 mm. In contrast, the smallest deficits are in northern Scotland, eastern England and South Pennines, with a computed value of 16 mm in Hertfordshire. Deficits, for the end of May, are below average in South East England and above the average for North West England and South West Scotland.

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

Apply to: Director-General
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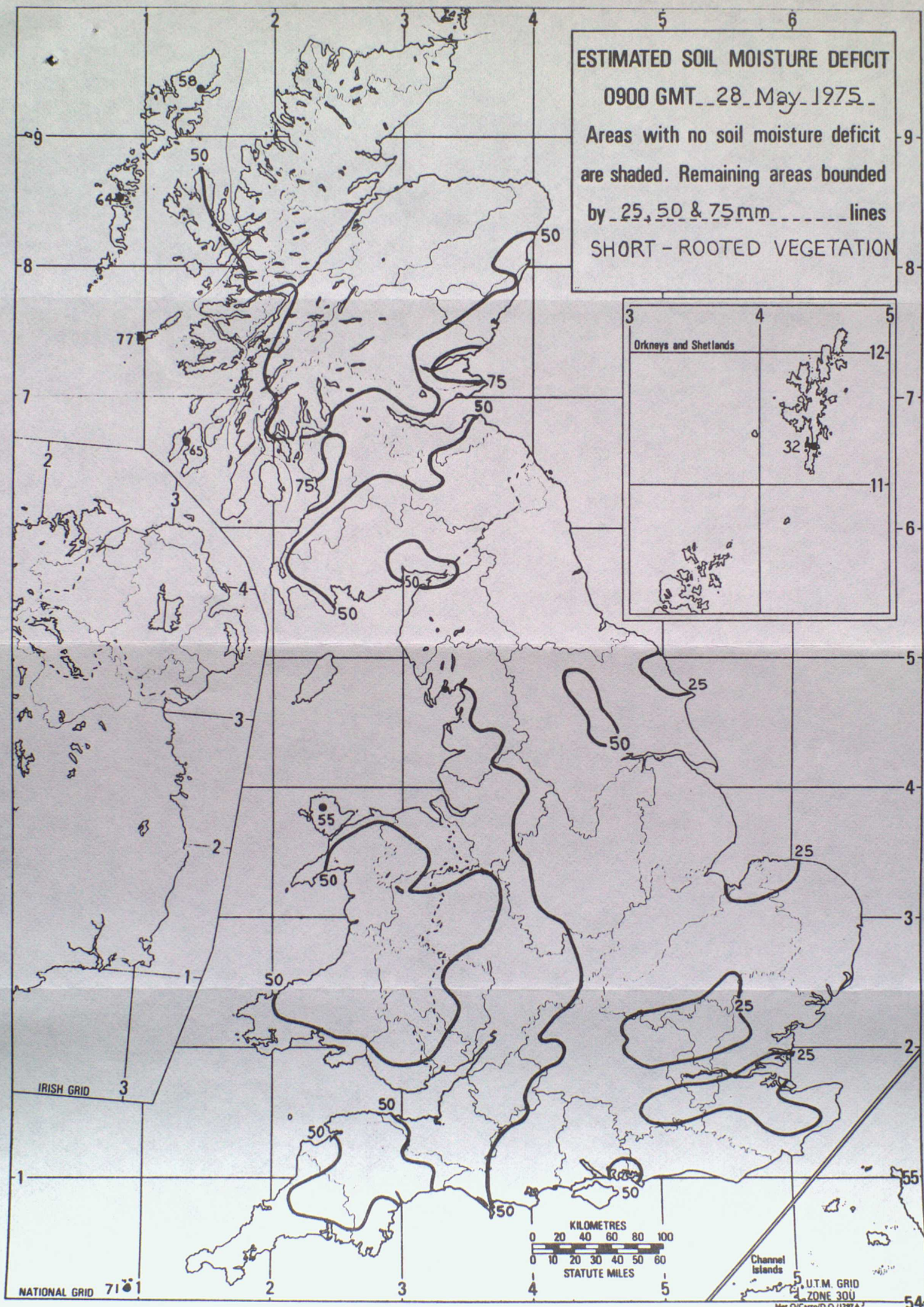
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ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.)
AT 09 GMT ON 28 MAY 1975

River Area	Estimated Areal S.M.D. mm	Change during the week ending 09 GMT on 28 May 75 mm	21 May 75 mm
Northumbrian	29.8	+ 15.8	+ 13.7
Yorkshire	30.7	+ 17.0	+ 8.0
Trent	32.4	+ 15.6	+ 7.6
Lincolnshire	28.7	+ 16.8	+ 0.4
Welland and Nene	27.3	+ 14.7	- 3.4
Great Ouse	24.7	+ 14.5	- 8.9
Norfolk and Suffolk	25.4	+ 16.5	- 4.7
Essex	22.5	+ 14.6	- 12.9
Lee Conservancy	19.8	+ 13.9	- 16.0
Thames Conservancy	28.1	+ 13.6	- 10.4
London Area	22.2	+ 14.5	- 19.2
Kent	22.9	+ 14.3	- 13.4
Sussex	27.4	+ 14.0	- 10.9
Hampshire	31.8	+ 13.7	- 8.4
Isle of Wight	39.0	+ 14.0	- 1.8
Avon and Dorset	36.1	+ 13.2	- 2.2
Devon	41.6	+ 12.9	+ 11.7
Cornwall	48.1	+ 14.9	+ 18.2
Somerset	43.1	+ 11.8	+ 7.5
Bristol Avon	42.4	+ 12.8	+ 5.4
Severn	40.1	+ 15.2	+ 8.7
Wye	37.5	+ 15.6	+ 13.1
Usk	38.5	+ 14.1	+ 14.2
Glamorgan	42.5	+ 13.5	+ 15.9
South West Wales	37.8	+ 15.2	+ 16.6
Gwynedd	42.3	+ 18.0	+ 16.9
Dee and Clwyd	43.3	+ 18.1	+ 16.6
Mersey and Weaver	39.9	+ 18.5	+ 13.3
Lancashire	41.1	+ 20.4	+ 15.2
Cumberland	35.4	+ 17.9	+ 15.6

N.B. 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 28 May 1975

Areas with no soil moisture deficit are shaded. Remaining areas bounded by 25 & 50 mm lines

COMPOSITE LAND USE

