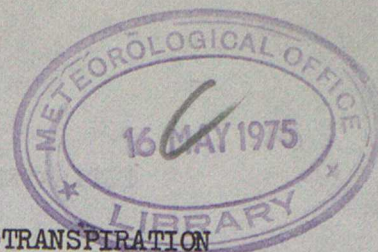


METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT AND POTENTIAL EVAPOTRANSPIRATION
OVER GREAT BRITAIN

SOIL MOISTURE DEFICIT AT 0900 GMT ON 14 MAY 1975



Since the issue of the last bulletin [24 April 1975] to date, the United Kingdom has had mainly unsettled weather. The 24 to 27 April and 3 to 6 May were generally dry except for Scotland on 26 and 27 April. Rainfall was widespread from 28 April to 2nd, 7th to 10th, 12 and 13 May, mainly in the North and in Scotland [except on the 7th]. Rainfall occurred throughout the United Kingdom on the 12th and, except for a few areas of Scotland, the 13th. Thunderstorms were reported in the South, and snow at Stornoway, on 30 April. The largest reported falls of rain were at Shawbury [21mm] on the 7th, at Tynemouth [20mm] on the 8th, at Gorleston [22mm] on the 10th and at Acklington [26mm] on the 13th.

Up to 7 May, deficits continued to develop quickly throughout Great Britain except for North Wales and North West England. The largest increases were to be found in the South. The widespread rainfall of the past week has reduced deficits nationwide and has brought most upland areas back to field capacity. The largest decreases occurred in Northumberland and Cumbria. The largest deficits, amounting to about 30mm, are to be found in Fife, London and Hampshire.

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

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

Issued on 15 May 1975

FH2

ESTIMATED SOIL MOISURE DEFICIT (S.M.D.) AT 09 GMT ON 14 MAY 1975

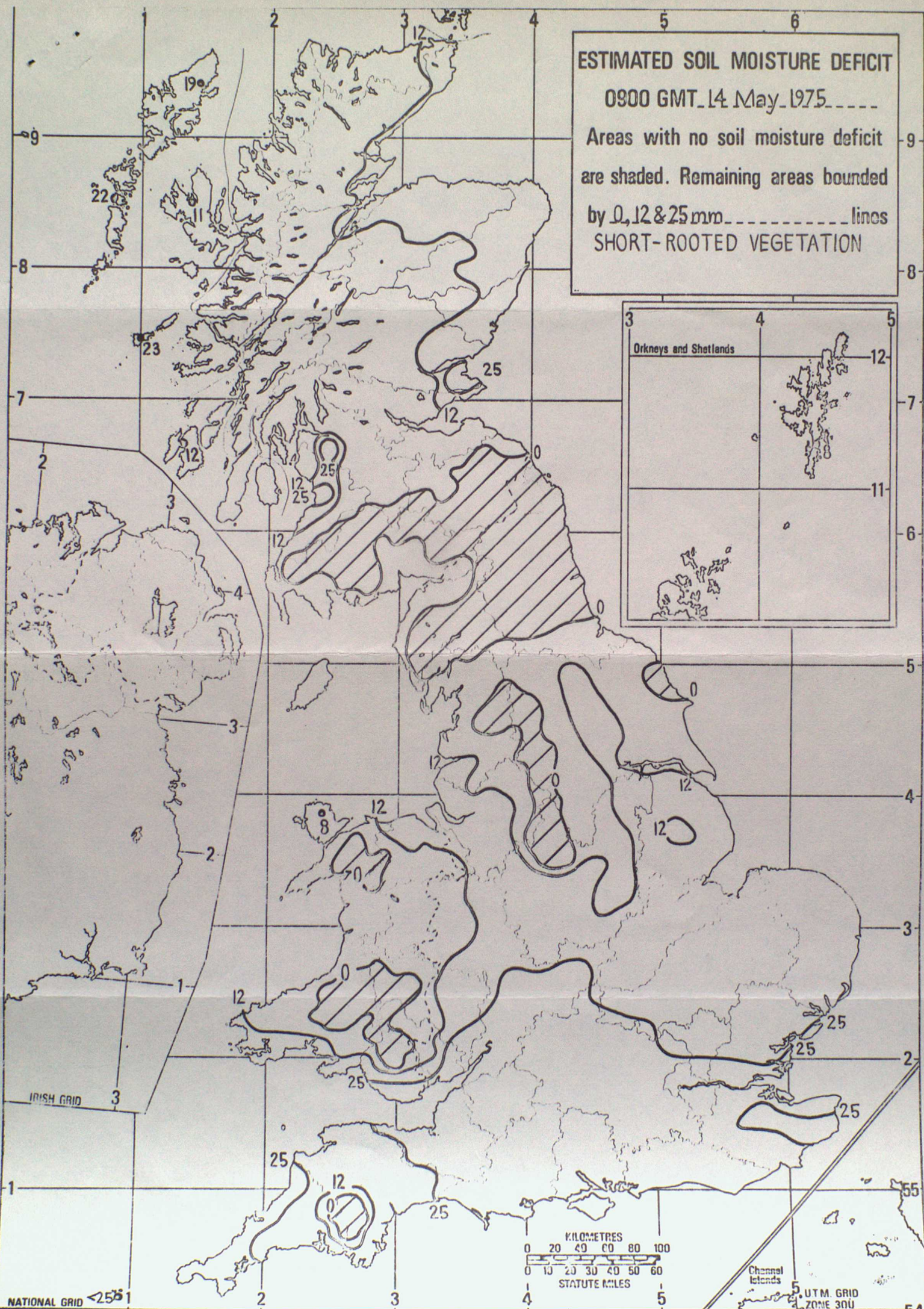
| RIVER AREA | ESTIMATED AREAL | CHANGE DURING THE WEEK ENDING 09 GMT ON | | |
|---------------------|-----------------|---|----------------|-----------------|
| | S.M.D. MM | 14 MAY 75 MM | 7 MAY 75 MM | 30 APR 75 MM |
| NORTHUMBRIAN | 0.3 | - 23.1 | + 11.6 | + 10.6 |
| YORKSHIRE | 5.7 | - 12.6 | + 4.9 | + 12.1 |
| TRENT | 9.2 | - 9.6 | + 6.0 | + 10.8 |
| LINCOLNSHIRE | 11.5 | - 7.8 | + 7.7 | + 9.3 |
| WELLAND AND NENE | 16.0 | - 4.8 | + 7.8 | + 8.7 |
| GREAT OUSE | 19.1 | - 4.1 | + 8.8 | + 8.8 |
| NORFOLK AND SUFFOLK | 13.6 | - 9.9 | + 8.8 | + 8.5 |
| ESSEX | 20.8 | - 5.2 | + 9.2 | + 10.3 |
| LEE CONSERVANCY | 21.9 | - 4.2 | + 9.2 | + 10.5 |
| THAMES CONSERVANCY | 24.9 | - 3.7 | + 10.5 | + 12.3 |
| LONDON AREA | 26.9 | - 3.0 | + 10.5 | + 12.5 |
| KENT | 22.0 | - 4.1 | + 7.5 | + 12.1 |
| SUSSEX | 24.3 | - 9.1 | + 13.5 | + 13.7 |
| HAMPSHIRE | 26.5 | - 7.6 | + 14.3 | + 13.7 |
| ISLE OF WIGHT | 26.8 | - 9.5 | + 15.4 | + 15.1 |
| AVON AND DORSET | 25.1 | - 5.6 | + 13.9 | + 12.9 |
| DEVON | 17.0 | - 11.8 | + 15.2 | + 12.3 |
| CORNWALL | 15.0 | - 14.6 | + 17.6 | + 10.6 |
| SOMERSET | 23.8 | - 5.7 | + 14.3 | + 12.9 |
| BRISTOL AVON | 24.2 | - 4.7 | + 13.1 | + 11.8 |
| SEVERN | 16.2 | - 4.7 | + 6.3 | + 11.7 |
| WYE | 8.8 | - 10.9 | + 6.1 | + 11.9 |
| USK | 10.2 | - 11.6 | + 10.0 | + 10.4 |
| GLAMORGAN | 13.1 | - 9.6 | + 12.8 | + 8.5 |
| SOUTH WEST WALES | 6.0 | - 10.4 | + 7.7 | + 7.4 |
| GWYNEDD | 7.4 | - 3.8 | + 1.0 | + 8.9 |
| DEE AND CLWYD | 8.6 | - 3.3 | + 0.5 | + 10.1 |
| MERSEY AND WEAVER | 8.1 | - 4.4 | - 0.6 | + 11.8 |
| LANCASHIRE | 5.5 | - 6.2 | - 0.4 | + 10.9 |
| CUMBERLAND | 1.9 | - 15.2 | + 7.1 | + 8.3 |

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

ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 14 May 1975

Areas with no soil moisture deficit are shaded. Remaining areas bounded by 0, 12 & 25 mm lines
SHORT-ROOTED VEGETATION



ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 14 May 1975

Areas with no soil moisture deficit are shaded.

Remaining areas bounded by 0, 12 & 25 mm lines

COMPOSITE LAND USE

