



METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT

AND POTENTIAL EVAPOTRANSPIRATION OVER GREAT BRITAIN

AT 0900 GMT ON 17 JULY 1974

Following the issue of the last bulletin (0900 GMT on 3 July) moderately heavy rain occurred over much of northern England, North Wales and East Anglia on 3 and 4 July. The period 13 to 16 July was wet over England and Wales as a whole, and thunderstorms were reported over parts of southern and eastern England on 13 and 14 July. So far the July rainfall has been generally slightly above average over Scotland and well above average over England and Wales.

Deficits have decreased over most of Western Scotland, north-west England and North Wales and those in eastern districts and south-west England have tended to increase. Short rooted deficits are generally about 100 mms in all eastern areas whilst much of the high land in the west is now at field capacity.

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

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

Issued on 18 July 1974

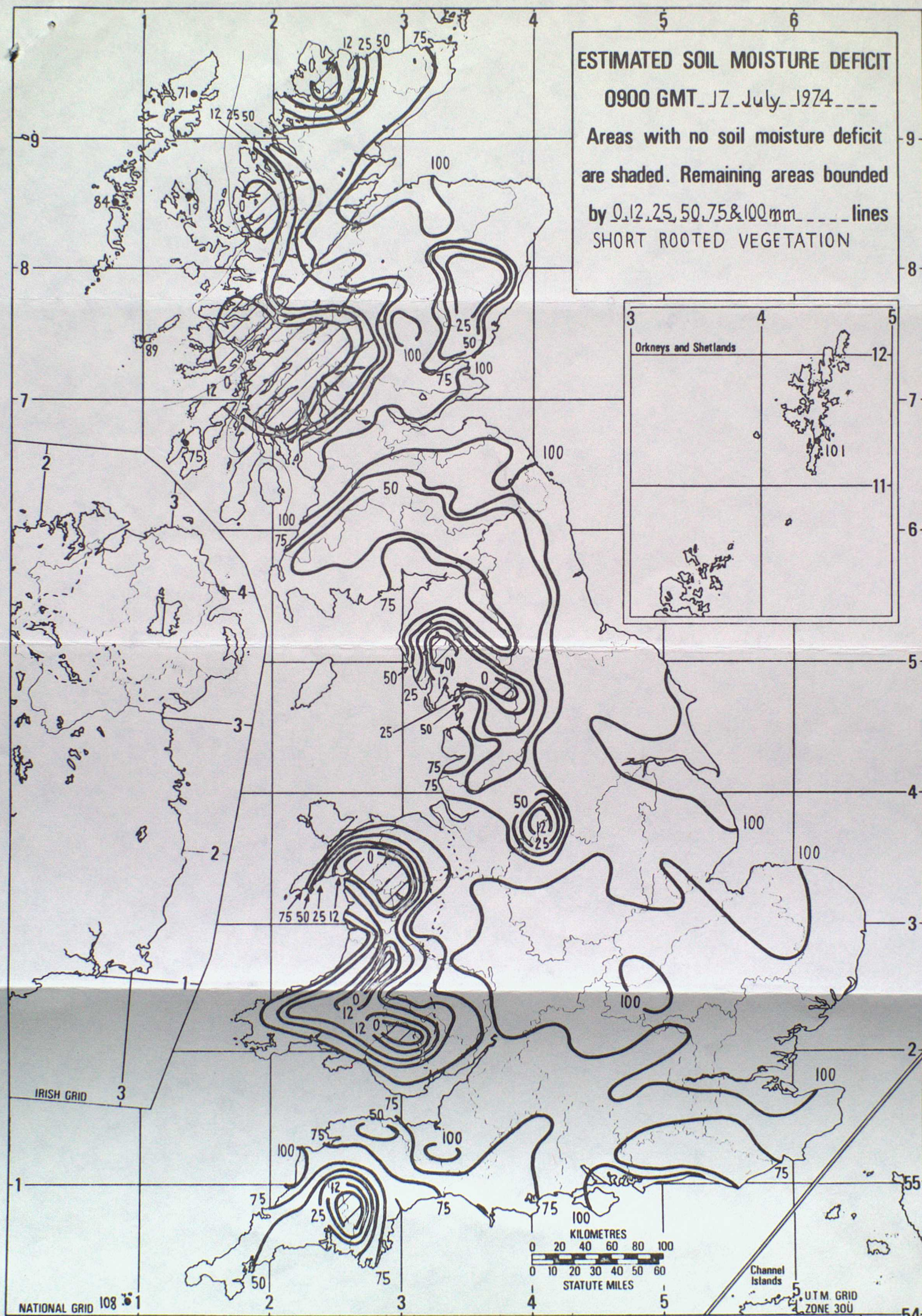
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ESTIMATED SOIL MOISTURE DEFICIT (S.M.D)

AT 09 GMT ON 17 JULY 1974

RIVER AUTHORITY AREA	ESTIMATED AREAL S.M.D. MM	CHANGE DURING THE WEEK 17 July 1974 MM	ENDING 09 GMT 10 July 1974 MM
Northumbrian	62.3	- 10.9	- 0.8
Yorkshire	75.2	- 3.8	- 2.3
Trent	77.4	- 2.0	- 4.2
Lincolnshire	104.8	+ 2.2	- 6.2
Welland and Nene	101.4	- 4.1	+ 4.1
Great Ouse	103.5	- 3.5	+ 7.1
East Suffolk and Norfolk	107.4	+ 1.0	+ 1.7
Essex	120.5	- 2.6	+ 11.3
Lee Conservancy	104.3	- 2.8	+ 13.5
Thames Conservancy	91.2	- 3.6	+ 16.3
London Area	99.6	- 4.5	+ 20.2
Kent	93.0	- 9.7	+ 14.3
Sussex	76.1	- 9.6	+ 17.4
Hampshire	78.1	- 8.9	+ 16.1
Isle of Wight	107.3	- 11.7	+ 23.2
Avon and Dorset	74.8	- 4.6	+ 14.1
Devon	67.4	- 4.3	+ 14.3
Cornwall	49.2	- 7.0	+ 20.6
Somerset	73.6	- 0.8	+ 8.9
Bristol Avon	79.5	+ 2.4	+ 7.8
Severn	81.5	- 3.5	+ 4.3
Wye	61.3	- 4.1	+ 5.0
Usk	44.4	- 4.5	+ 7.4
Glamorgan	47.4	- 2.0	+ 6.3
South West Wales	47.9	+ 0.4	+ 0.8
Gwynedd	43.8	- 4.4	- 19.4
Dee and Clwyd	41.6	- 5.1	- 20.4
Mersey and Weaver	56.1	- 2.9	- 19.4
Lancashire	42.2	- 9.2	- 20.1
Cumberland	62.6	- 17.2	- 4.1

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



ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 17 July 1974

Areas with no soil moisture deficit are shaded. Remaining areas bounded by 0, 12, 25, 50, 75, 100 & 125 mm lines
COMPOSITE LAND USE

