

METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT AND POTENTIAL EVAPOTRANSPIRATION

OVER GREAT BRITAIN

AT 0900 GMT on 14 AUGUST 1974

Since the issue of the last bulletin (09 GMT 31 July 1974) the rainfall has been well above average over England and Wales as a whole. This has been mainly due to the widespread rainfall of the last seven days although notable rainfall also occurred over northern districts on 31 July and over southern districts on 3 and 4 August. Much of the rain has been thundery in character especially over East Anglia and South-East England. In contrast very little thundery weather has been reported over Scotland and the rainfall has been generally just below average.

Deficits have decreased over all areas of England and Wales. The decreases have been around 25 mm over South-West England, South Wales and eastern Suffolk and Norfolk. Deficits have also decreased over southern Scotland but they have remained much the same over north-east Scotland. Most districts on the mainland of north-west Scotland have very small deficits due only to one day without rainfall; in sharp contrast are the high values apparent over The Outer Hebrides.

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

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

Issued on August 1974

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

AT 09 GMT on 14 AUGUST 1974

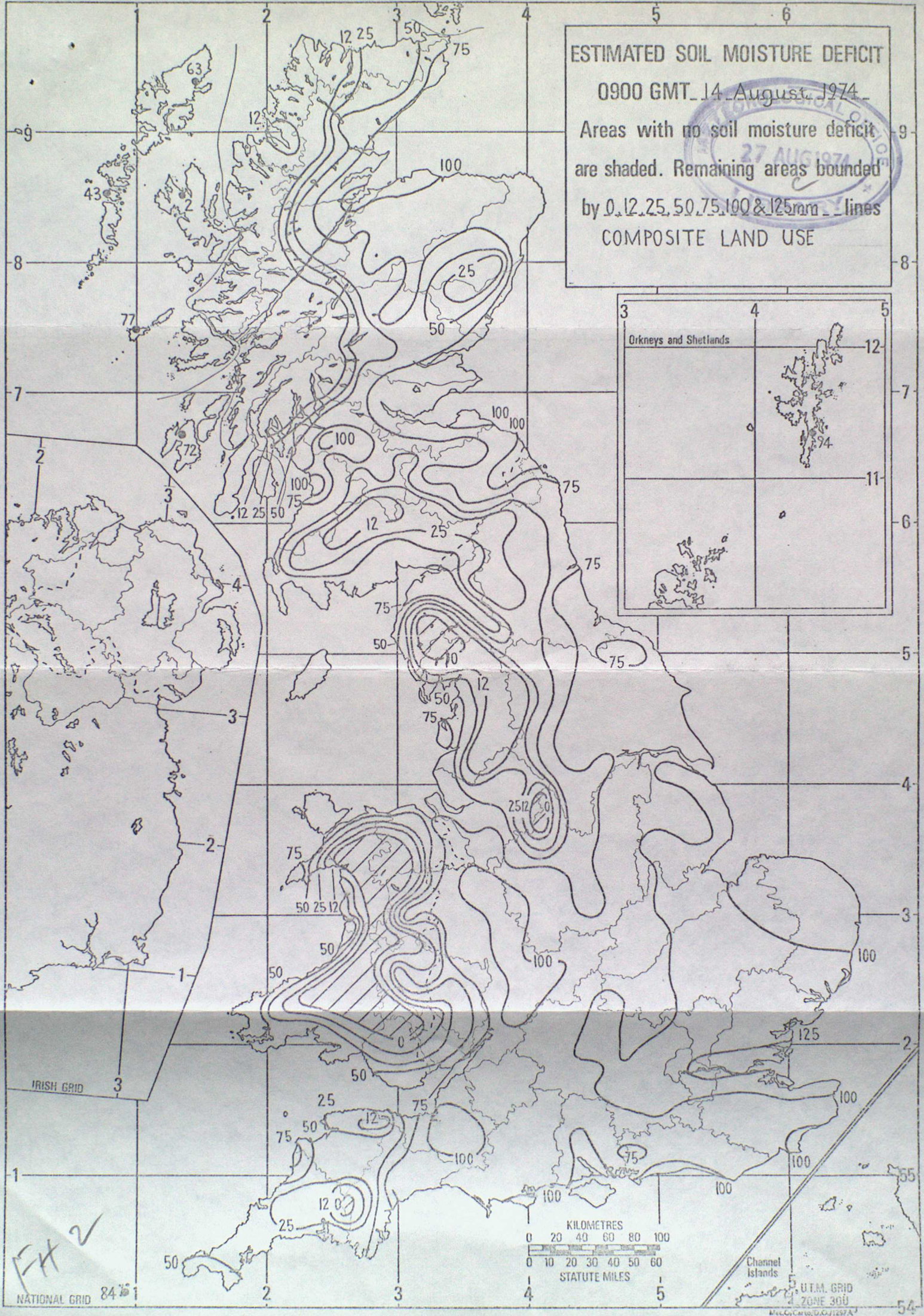
RIVER AUTHORITY AREA	ESTIMATED AREAL	CHANGE DURING THE WEEK ENDING 09 GMT	
	S.M.D. MM	14 August 1974 MM	7 August 1974 MM
Northumbrian	63.2	- 23.0	+ 9.4
Yorkshire	72.6	- 21.0	+ 7.6
Trent	74.5	- 22.6	+ 7.5
Lincolnshire	103.5	- 18.2	+ 6.4
Welland and Nene	99.1	- 19.2	+ 2.7
Great Ouse	100.9	- 18.5	- 0.1
East Suffolk and Norfolk	92.6	- 30.7	+ 2.8
Essex	120.2	- 13.0	+ 1.7
Lee Conservancy	115.2	- 5.8	+ 1.6
Thames Conservancy	101.8	- 9.1	+ 0.4
London Area	116.2	- 5.4	+ 2.0
Kent	97.5	- 14.6	+ 0.4
Sussex	91.6	- 6.7	- 0.4
Hampshire	94.8	- 7.6	- 4.2
Isle of Wight	115.7	- 0.9	- 9.8
Avon and Dorset	90.1	- 7.4	- 5.0
Devon	59.9	- 14.2	- 13.1
Cornwall	44.4	- 20.2	- 4.7
Somerset	80.2	- 11.4	- 5.2
Bristol Avon	89.0	- 11.6	- 2.8
Severn	85.8	- 13.2	+ 2.9
Wye	62.4	- 18.4	+ 1.7
Usk	39.1	- 21.1	- 1.1
Glamorgan	33.7	- 26.4	- 1.3
South West Wales	30.2	- 33.1	+ 3.7
Gwynedd	39.2	- 18.8	+ 9.1
Dee and Clwyd	41.3	- 11.4	+ 9.8
Mersey and Weaver	46.5	- 16.9	+ 7.8
Lancashire	25.7	- 17.1	+ 11.1
Cumberland	50.6	- 30.7	+ 9.6

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

ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 14 August 1974

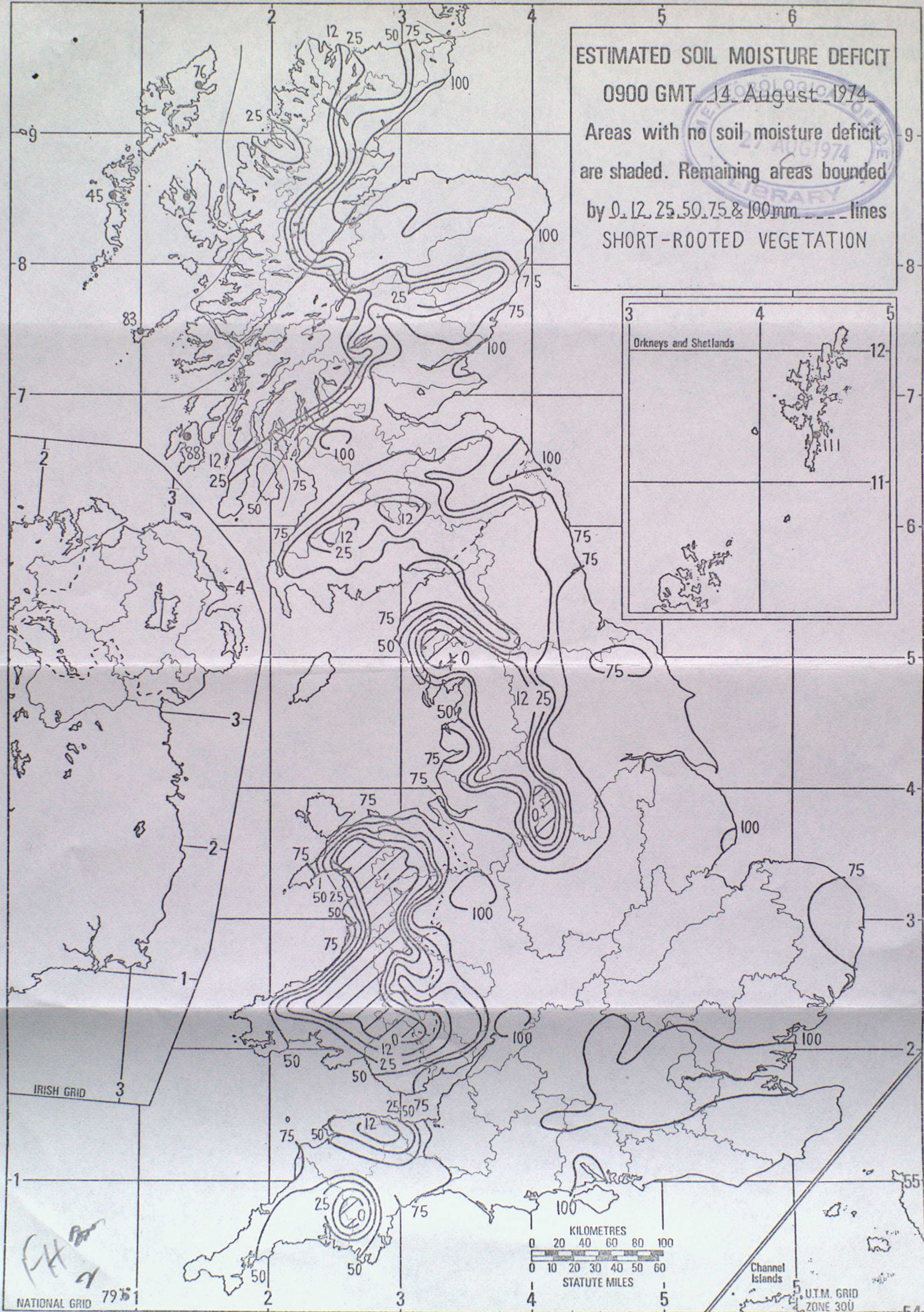
Areas with no soil moisture deficit are shaded. Remaining areas bounded by 0, 12, 25, 50, 75, 100 & 125 mm lines
COMPOSITE LAND USE



ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 14 August 1974

Areas with no soil moisture deficit are shaded. Remaining areas bounded by 0, 12, 25, 50, 75 & 100 mm lines
SHORT-ROOTED VEGETATION



NATIONAL GRID 7951

U.T.M. GRID ZONE 30U
Met.O/Carto/D.O. 11297 A