



METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT OVER GREAT BRITAIN

AT 0900 GMT on 26 JUNE 1974

Since the issue of the last bulleting (12 June 1974) most of the rain over England and Wales as a whole fell on only two days, the 16th when thunderstorms were widespread and the 25th when heavy rain began to spread from the south. Rain was reported over South-West England on the 22nd and 23rd. The rest of the period was generally dry over England and Wales. So far the June rainfall has been generally slightly above average over England and Wales. Since 12 June the rainfall over Scotland in general has been well below average.

Evaporation rates are high at this time of year and as a result deficits are still increasing over much of England and Wales. The greatest increases have occurred over North-West England. The deficits over Scotland have also increased for most areas. The highest increases have been over the western islands. Short-rooted deficits in excess of 100 mm now exist over nearly all the low-lying land of England, Wales and Scotland. The continued heavy rain of 26 June over southern Britain will have materially reduced deficits below those shown on the maps in that area.

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 27 June 1974

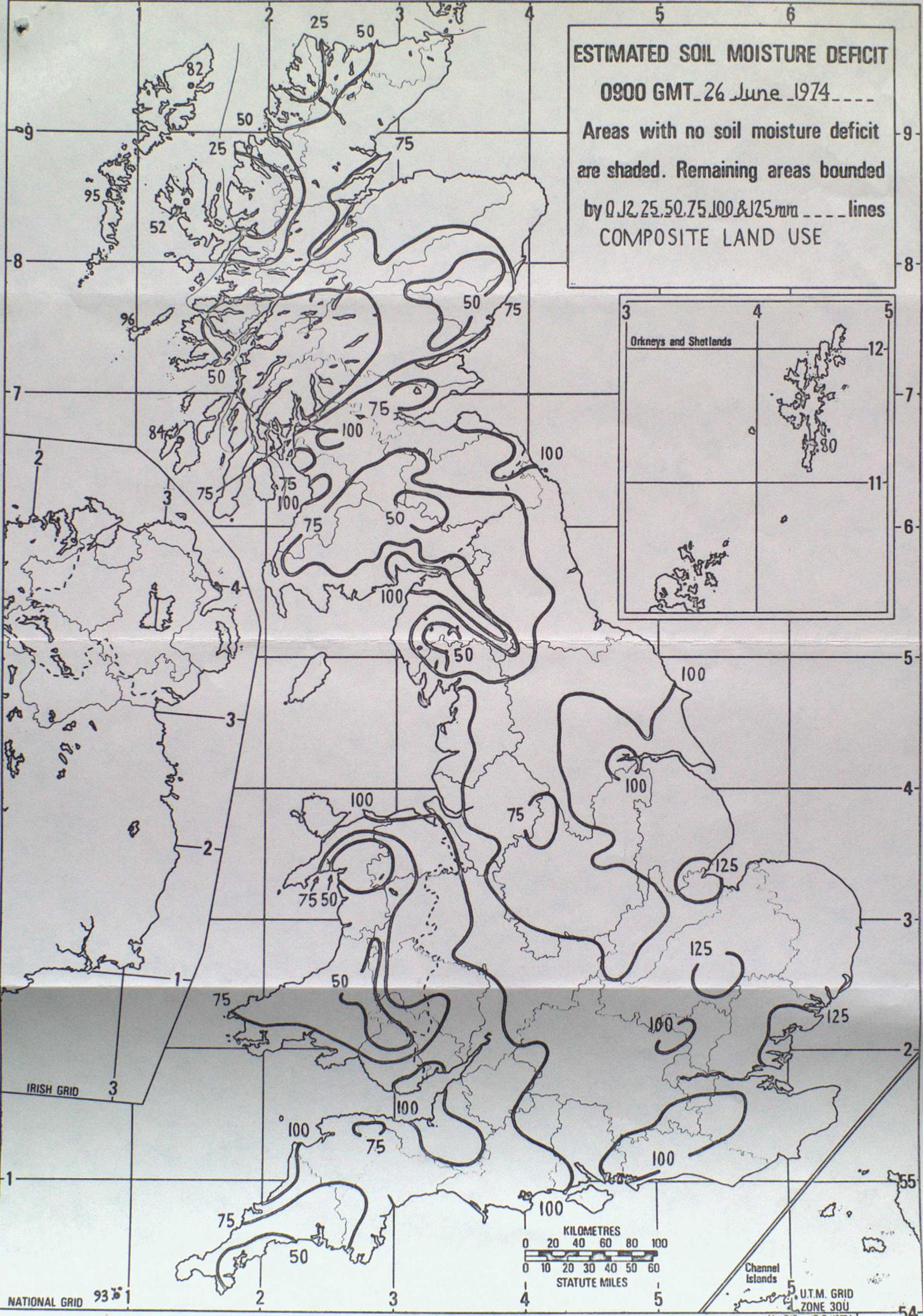
FH2

ESTIMATED SOIL MOISTURE DEFICIT (S.M.D)

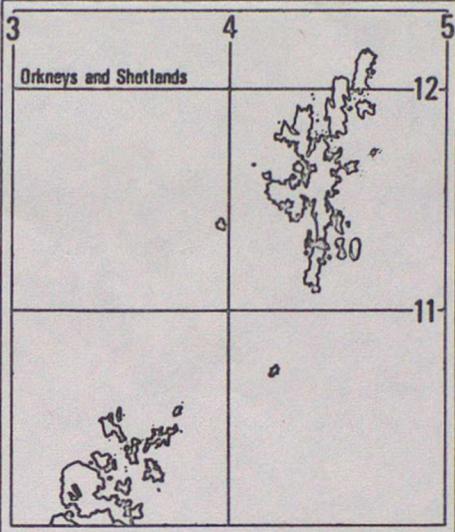
AT 09 GMT ON 26 JUNE 1974

RIVER AUTHORITY AREA	ESTIMATED AREAL	CHANGE DURING THE WEEK ENDING 09 GMT	
	S.M.D. MM	26 June 1974 MM	19 June 1974 MM
Northumbrian	84.3	+ 14.6	+ 6.5
Yorkshire	93.8	+ 16.9	+ 0.9
Trent	94.4	+ 16.8	- 8.0
Lincolnshire	114.0	+ 17.7	- 9.1
Welland and Nene	111.5	+ 16.8	- 10.9
Great Ouse	113.4	+ 12.4	- 5.3
East Suffolk and Norfolk	116.9	+ 9.9	+ 2.0
Essex	125.2	+ 6.0	+ 5.1
Lee Conservancy	110.6	+ 4.2	+ 4.8
Thames Conservancy	101.4	+ 3.6	+ 3.6
London Area	107.9	- 2.3	+ 7.5
Kent	109.2	+ 2.8	+ 9.2
Sussex	96.3	- 6.8	+ 9.9
Hampshire	96.7	- 3.5	+ 7.0
Isle of Wight	104.4	- 5.4	+ 7.4
Avon and Dorset	99.8	+ 4.1	+ 7.1
Devon	91.3	+ 6.4	+ 11.8
Cornwall	65.4	- 9.5	+ 8.6
Somerset	99.8	+ 5.4	+ 8.6
Bristol Avon	100.4	+ 8.9	+ 2.1
Severn	97.8	+ 13.4	- 0.8
Wye	89.4	+ 14.6	+ 1.5
Usk	76.8	+ 11.2	+ 1.4
Glamorgan	75.2	+ 6.1	+ 5.2
South West Wales	75.9	+ 16.6	+ 0.9
Gwynedd	78.9	+ 18.5	+ 9.3
Dee and Clwyd	79.1	+ 18.1	+ 8.3
Mersey and Weaver	91.1	+ 17.4	+ 2.9
Lancashire	92.8	+ 16.8	+ 7.8
Cumberland	93.0	+ 13.9	+ 11.4

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



**ESTIMATED SOIL MOISTURE DEFICIT**  
**0900 GMT 26 June 1974**  
 Areas with no soil moisture deficit  
 are shaded. Remaining areas bounded  
 by 0, 25, 50, 75, 100 & 125 mm lines  
**COMPOSITE LAND USE**



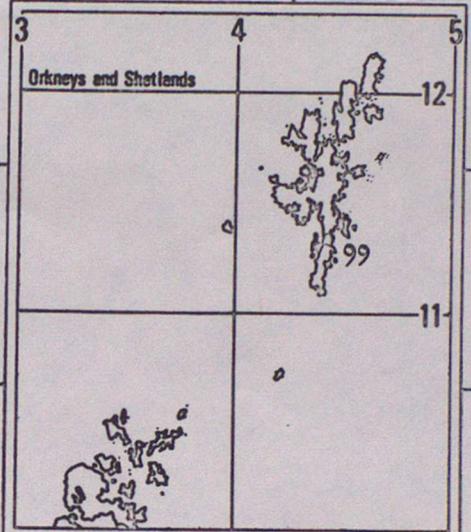
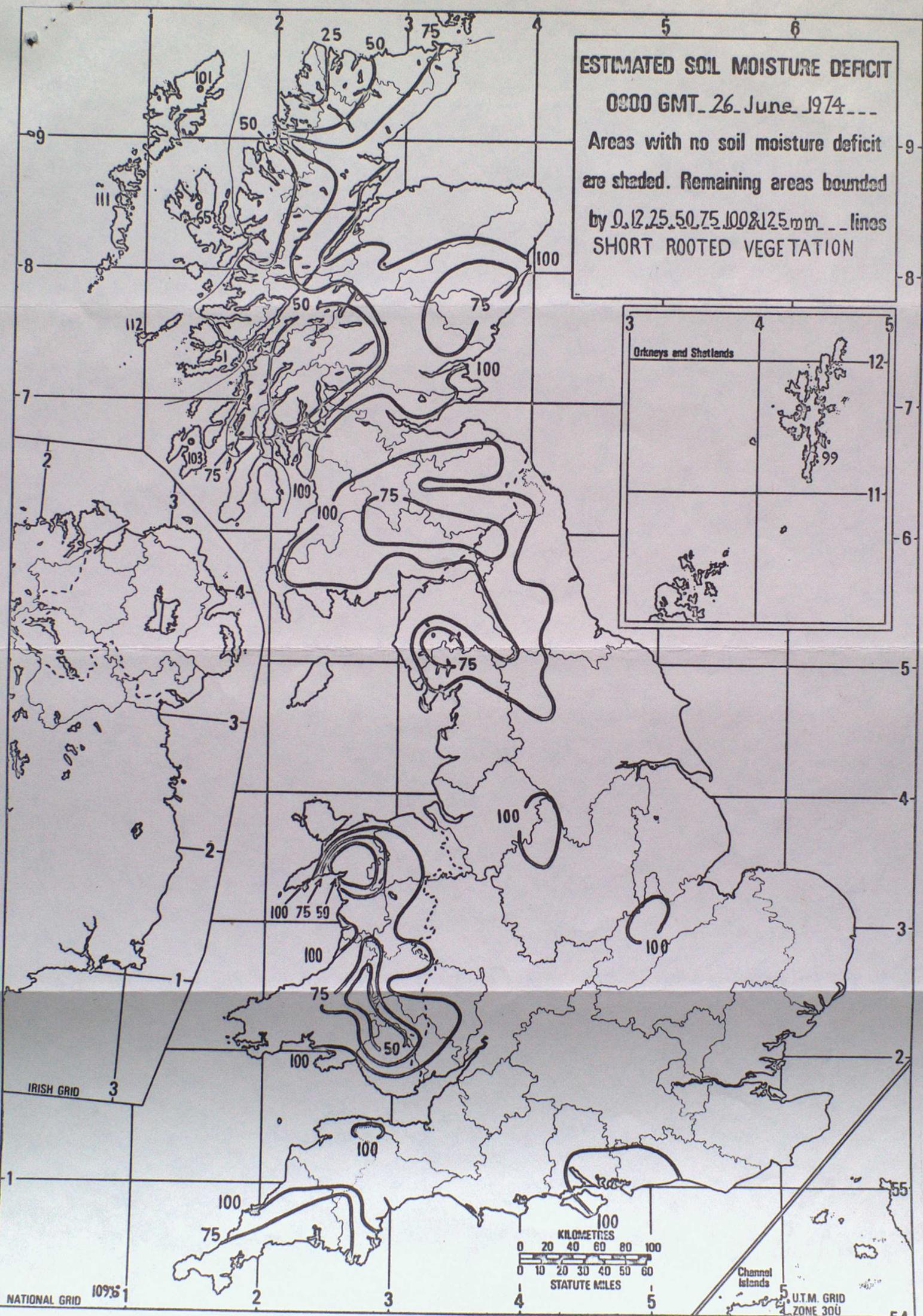
NATIONAL GRID 93 1

U.T.M. GRID ZONE 30U

**ESTIMATED SOIL MOISTURE DEFICIT**

**0800 GMT 26 June 1974**

Areas with no soil moisture deficit are shaded. Remaining areas bounded by 0, 12, 25, 50, 75, 100 & 125 mm lines  
**SHORT ROOTED VEGETATION**



NATIONAL GRID 109351

Channel Islands  
U.T.M. GRID  
ZONE 30U