

METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT AT 0900 GMT

ON 15 SEPTEMBER 1976 OVER GREAT BRITAIN

Apart from 25 to 27 and 31 August and 2 to 7 and 12 September (which were mainly dry), England and Wales have been generally wet since the last issue (26 August 1976). Scotland was mainly wet on 8 and 13 September only. The largest reported falls of rain were at Gorleston (19mm) on 27 August, Boulmer (37mm) on 28th, Gloucester (60mm) on 29th, Wittering (68mm) on 30th, Manston (17mm) on 1 September, Benbecula (17mm) on 7th, Wick (50mm) on 8th, Dyce (29mm) on 9th, Bridlington (44mm) on 10th, Leeming (52mm) on 11th, Squires Gate (33mm) on 13th and Culdrose (11mm) on 14th.

Although deficits have been reduced considerably in most areas, reaching field capacity in some upland districts, deficits over much of England and Wales are still above average for the time of year. The largest deficits have been calculated for Cambridge (132mm and 140mm respectively over short rooted and composite land uses).

RATES OF SUBSCRIPTION: £9.00 per season (post free)

Apply to: Director-General  
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Berkshire, RG12 2SZ

Issued on 16 September 1976

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

AT 09 GMT ON 15 SEPT 1976

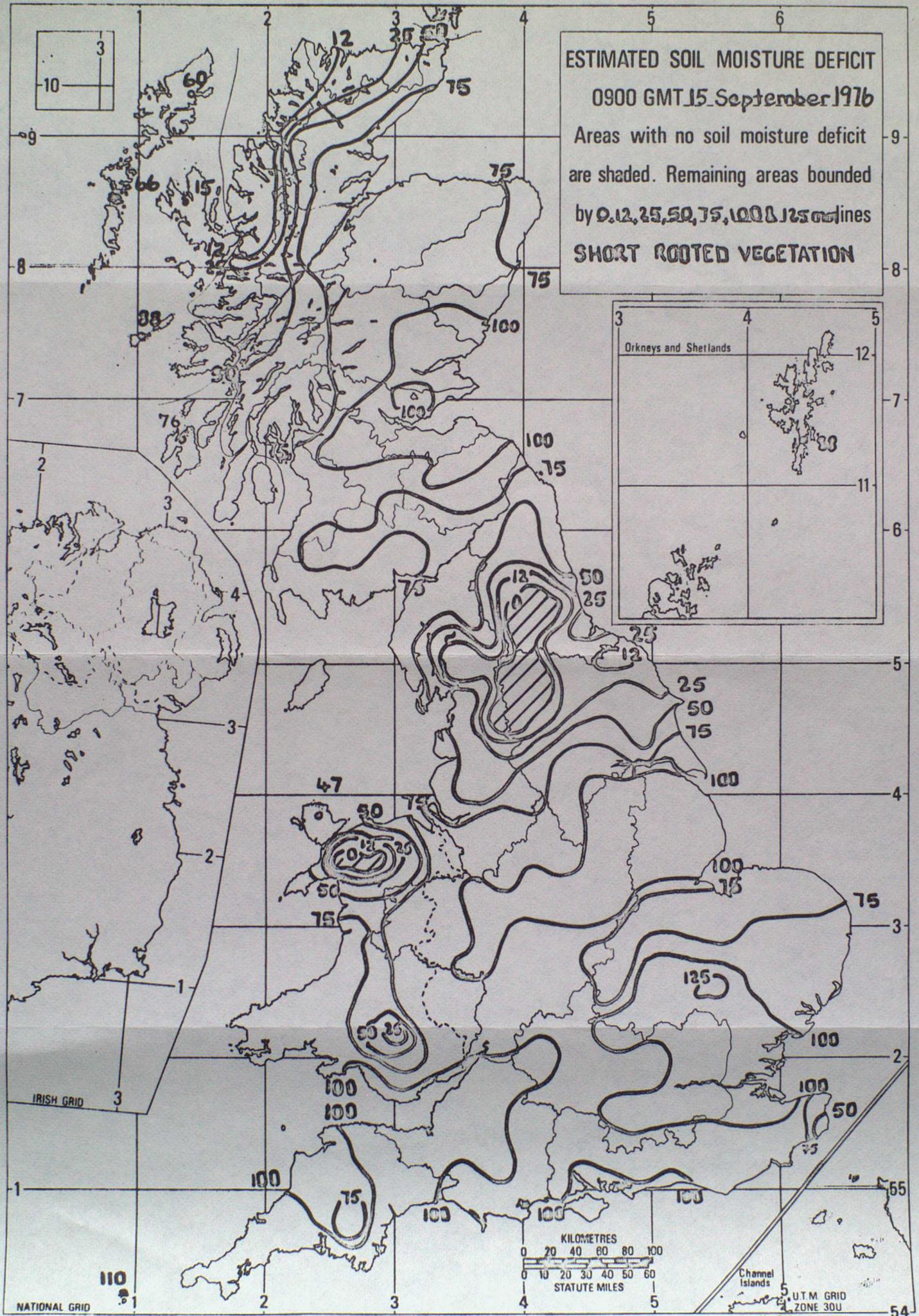
River Area	Estimated Areal	Change during the Week Ending		
	S.M.D. MM	15 Sep 76 MM	8 Sep 76 MM	09 GMT on 1 Sep 76 MM
Northumbrian	59.7	- 64.3	+ 3.7	- 1.1
Yorkshire	76.8	- 57.3	+ 1.4	+ 0.9
Trent	116.5	- 19.0	+ 4.1	- 6.3
Lincolnshire	117.9	- 15.1	+ 0.9	- 11.7
Welland and Nene	110.8	- 12.6	+ 6.0	- 26.8
Great Ouse	115.1	- 8.6	+ 9.3	- 30.0
Norfolk and Suffolk	97.0	- 16.7	+ 5.7	- 33.7
Essex	126.7	- 13.6	+ 7.4	- 13.4
Lee Division	124.6	- 19.5	+ 4.4	- 5.1
Thames Conservancy	116.3	- 22.5	+ 7.9	- 11.7
London Area	121.3	- 24.5	+ 4.1	- 3.6
Kent	101.3	- 38.7	+ 3.8	- 8.6
Sussex	107.5	- 37.2	+ 2.4	- 1.6
Hampshire	111.2	- 26.2	+ 10.2	- 15.6
Isle of Wight	124.3	- 26.2	+ 8.5	- 7.3
Avon and Dorset	114.7	- 14.9	+ 13.6	- 26.3
Devon	118.0	- 17.4	+ 12.1	- 16.5
Cornwall	104.5	- 27.9	+ 13.1	- 17.5
Somerset	119.2	- 13.8	+ 14.0	- 22.0
Bristol Avon	120.7	- 9.6	+ 14.1	- 25.0
Severn	106.8	- 23.9	+ 10.4	- 16.4
Wye	109.0	- 20.1	+ 13.4	- 20.0
Usk	93.9	- 25.1	+ 14.7	- 26.3
Glamorgan	87.9	- 28.6	+ 15.5	- 25.8
South West Wales	105.8	- 26.3	+ 8.7	- 7.8
Gwynedd	67.9	- 58.4	+ 5.5	- 1.3
Dee and Clwyd	73.6	- 54.4	+ 4.8	- 0.2
Mersey and Weaver	94.6	- 39.9	+ 1.3	+ 1.6
Lancashire	49.7	- 74.7	+ 2.9	+ 1.6
Cumbrian	66.5	- 48.6	+ 4.1	+ 3.3

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

**ESTIMATED SOIL MOISTURE DEFICIT**  
**0900 GMT 15 September 1976**

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

**SHORT ROOTED VEGETATION**

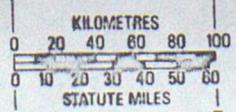
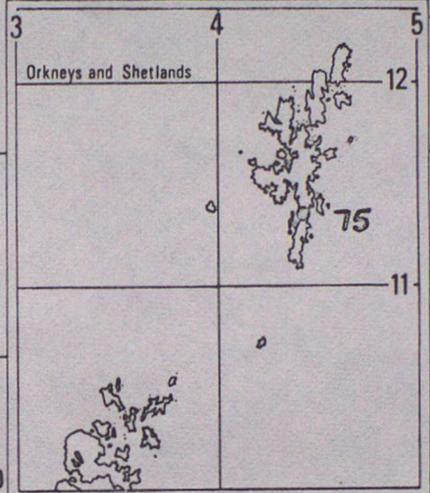
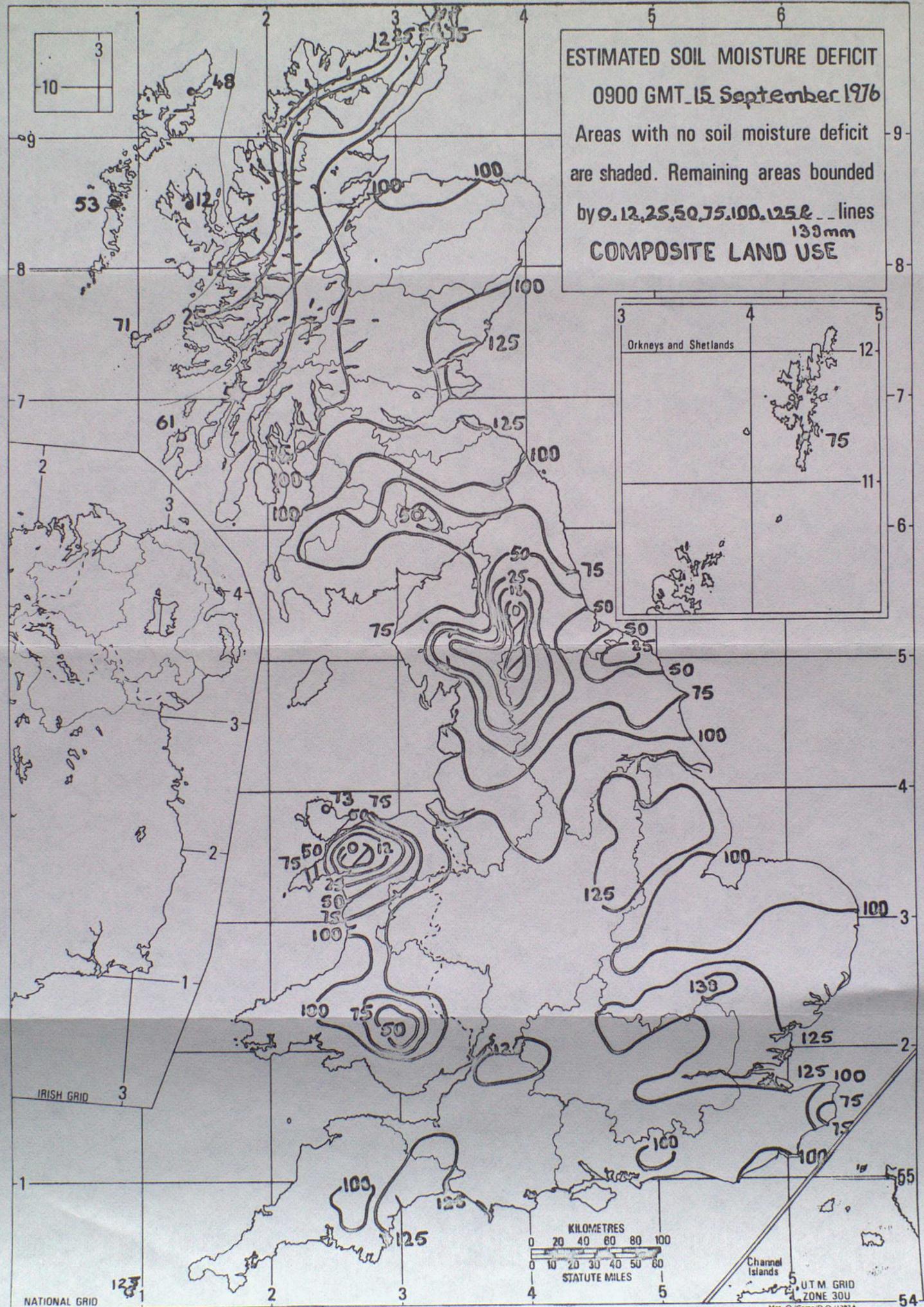


ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 15 September 1976

Areas with no soil moisture deficit are shaded. Remaining areas bounded by 0, 12, 25, 50, 75, 100, 125 & 139 mm

COMPOSITE LAND USE



UTM GRID  
ZONE 30U  
Map. O./Carto./D.O./1297A