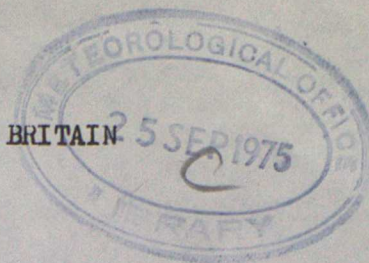


METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT OVER GREAT BRITAIN

AT 0900 GMT ON 24 SEPTEMBER 1975



Since the issue of the last bulletin (11 September 1975), large amounts of widespread rain fell over England and Wales (except the north of England) on 13th, central and southern Scotland on 16th and 17th, and over northern Scotland and the Outer Hebrides on 22nd. Lesser falls were widespread over much of Great Britain on 11th (except northern Scotland), and on 17th and 19th. On 18th, small amounts of scattered rainfall occurred nationwide. Thunderstorms were reported over England, South Wales and southern Scotland on 11th and in the south of England on 13th and 17th. Dry weather was experienced in England, Wales and southern Scotland on 15th and, except for Scotland, Britain was mainly dry from 20th to 23rd (when any rainfall was scattered and occurred in small amounts).

The largest reported falls of rain were at Filton (30 mm) on 11th, Dyce (16 mm) on 12th, Margate (73 mm) on 13th, Manston (31 mm) on 14th, Lerwick (18 mm) on 15th, Wick (35 mm) on 16th, Dyce (41 mm) on 17th, Rhooose (11 mm) on 19th and at Benbecula (21 mm) on 21st and (25 mm) on 22nd.

The large falls of rain have reduced deficits over the whole of Britain except for parts of the North Midlands and east of the Pennines. Areas at Field capacity have enlarged and now include the western uplands of southern Scotland. The maximum computed composite deficits amount to 137 mm and are to be found in parts of Nottinghamshire, Lincolnshire and South-east Devon. Except for some upland areas of Wales and North-west England, deficits over England and Wales are above average for late September.

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

Apply to: Director-General  
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Berkshire RG12 2SZ

Issued on 25 September 1975



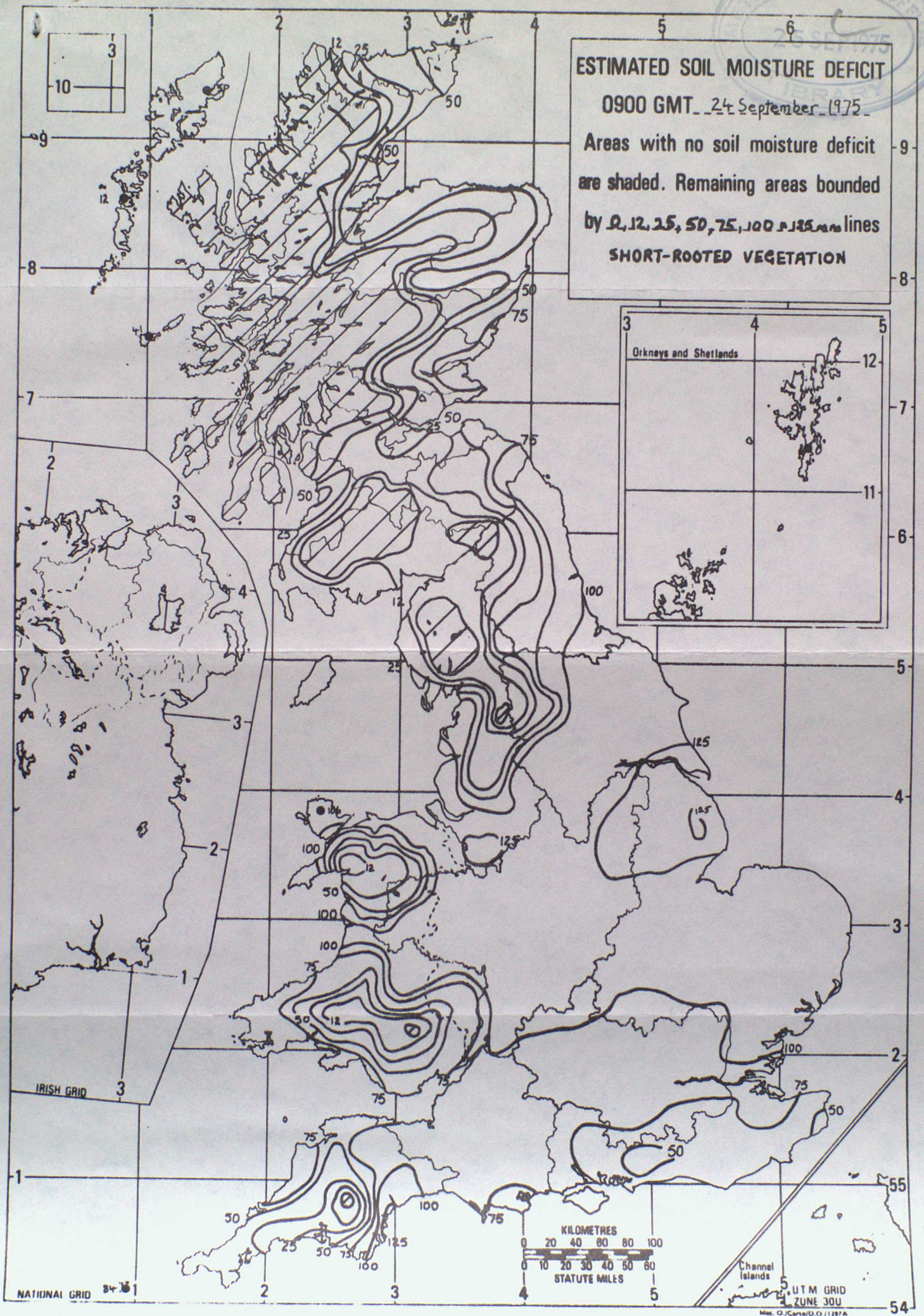
## ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.)

AT 09 GMT ON 24 SEPTEMBER 1975

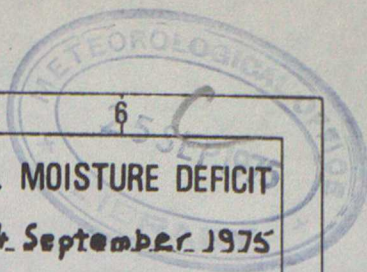
RIVER AREA	ESTIMATED AREAL	CHANGE DURING THE WEEK ENDING 09 GMT ON	
	S.M.D. MM	24 September 1975 MM	17 September 1975 MM
Northumbrian	62.2	- 0.9	- 7.9
Yorkshire	113.2	+ 3.0	+ 3.2
Trent	128.9	+ 1.3	- 1.5
Lincolnshire	135.0	+ 3.4	- 3.2
Welland and Nene	128.0	+ 4.3	- 9.8
Great Ouse	119.1	+ 6.1	- 21.0
Norfolk and Suffolk	123.9	+ 8.1	- 18.0
Essex	117.7	+ 8.4	- 26.8
Lee Division	110.8	+ 8.7	- 34.8
Thames Conservancy	103.8	+ 4.4	- 35.4
London Area	102.2	+ 6.9	- 41.9
Kent	90.7	+ 7.0	- 52.1
Sussex	86.9	+ 2.7	- 50.0
Hampshire	93.5	+ 0.9	- 41.9
Isle of Wight	101.7	+ 1.1	- 37.4
Avon and Dorset	102.5	- 0.5	- 31.6
Devon	91.4	- 5.5	- 24.1
Cornwall	55.6	+ 5.4	- 31.7
Somerset	97.5	- 4.1	- 29.9
Bristol Avon	106.6	+ 1.6	- 29.0
Severn	116.8	- 0.9	- 8.1
Wye	103.7	- 4.9	- 12.9
Usk	69.6	- 7.0	- 22.8
Glamorgan	59.2	- 3.2	- 24.9
South West Wales	75.4	- 2.0	- 12.5
Gwynedd	80.0	- 3.6	- 1.7
Dee and Clwyd	86.1	- 5.1	+ 0.2
Mersey and Weaver	113.2	- 5.2	+ 0.4
Lancashire	56.8	- 8.8	- 1.4
Cumbria	25.4	- 6.1	- 15.9

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









**ESTIMATED SOIL MOISTURE DEFICIT**  
**0900 GMT 24 September 1975**  
Areas with no soil moisture deficit are shaded. Remaining areas bounded by 0, 12.5, 50, 75, 100 & 125 mm lines  
**COMPOSITE LAND USE**

