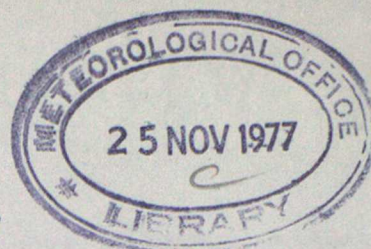


METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT AND POTENTIAL
EVAPOTRANSPIRATION OVER GREAT BRITAIN



SOIL MOISTURE DEFICIT AT 0900 GMT ON 23 NOVEMBER 1977

The generally unsettled weather has continued over Great Britain following the issue of the previous bulletin (9 November 1977), although 18th and 22 November were mainly dry over England and Wales. From 12th onwards the precipitation was often wintry, more especially over Scotland and northern and eastern England. The wettest day over England and Wales was 19th but over Scotland 9th, 11th, 14th and 19 November were all very wet. Falls of 20 mm or more occurred at Abbotsinch, Strathclyde (21 mm) on 9th, Cape Wrath, Sutherland (25 mm) on 11th and Wick, Caithness (28 mm) on 19 November.

Where deficits still exist, they have continued to be reduced. However they are still generally near to, or somewhat above, average for the time of year (with respect to composite land use) and well above average over much of East Anglia and Lincolnshire (approximately 45-50 mm above the average for the end of November). The largest deficits are at Lowestoft (80 and 99 mm respectively for short rooted vegetation and composite land use).

RATES OF SUBSCRIPTION: £10.00 per season (post free)

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Issued on 24 November 1977

ESTIMATED SOIL MOISTURE DEFICIT (S.M.D)
AT 09 GMT ON 23 NOV 1977

River Area	Estimated Areal	Change during the week ending 09 GMT on	
	S.M.D. mm	23 Nov 77 mm	16 Nov 77 mm
Northumbrian	27.1	- 8.9	- 9.3
Yorkshire	29.3	- 11.7	- 14.6
Trent	36.9	- 5.9	- 16.7
Lincolnshire	76.3	- 10.7	- 6.7
Welland and Nene	57.5	- 6.6	- 7.5
Great Ouse	44.1	- 7.5	- 3.5
Norfolk and Suffolk	78.4	- 14.8	- 0.7
Essex	72.1	- 9.0	- 1.9
Lee Division	42.9	- 6.5	- 2.0
Thames Conservancy	14.2	- 2.1	- 3.4
London Area	19.6	- 2.4	+ 0.4
Kent	40.8	- 11.5	- 4.8
Sussex	20.0	- 4.0	- 2.5
Hampshire	5.7	- 0.7	- 2.1
Isle of Wight	25.4	- 10.3	- 9.4
Upper Thames	5.3	- 0.9	- 1.2
Avon and Dorset	0.2	+ 0.1	+ 0.1
Devon	7.1	- 4.4	- 9.7
Cornwall	4.3	- 3.2	- 2.9
Somerset	3.6	- 1.0	- 9.8
Bristol Avon	4.6	- 2.2	- 1.5
Severn	11.1	- 5.1	- 8.2
Wye	3.2	- 2.8	- 7.5
Usk	0.2	- 1.4	- 2.3
Glamorgan	0.3	- 2.4	- 2.3
South West Wales	0.0	0.0	0.0
Gwynedd	0.0	- 0.3	- 2.9
Dee and Clwyd	9.0	- 1.9	- 11.8
Mersey and Weaver	8.4	- 2.4	- 11.6
Lancashire	2.7	- 0.3	- 4.5
Cumbria	0.6	- 0.9	- 1.8

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

ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 23 November 1977

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

SHORT-ROOTED VEGETATION

