

METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT AND POTENTIAL

EVAPOTRANSPIRATION OVER GREAT BRITAIN

SOIL MOISTURE DEFICIT AT 0900 GMT ON 28 APRIL 1982

With the exception of the northern half of Scotland, where it rained on about half the days during the period, Great Britain generally had a dry fortnight. Northern parts of England had rain on the 22nd and a few places had very small amounts of rain on the odd day, but most places in the south of England and Wales had a completely dry fortnight.

Soil moisture deficits which were starting to build up at the beginning of the period have continued, because of the dry weather, to increase, until now most river divisions have deficits considerably greater than the average for the time of year and some divisions have more than twice the average.

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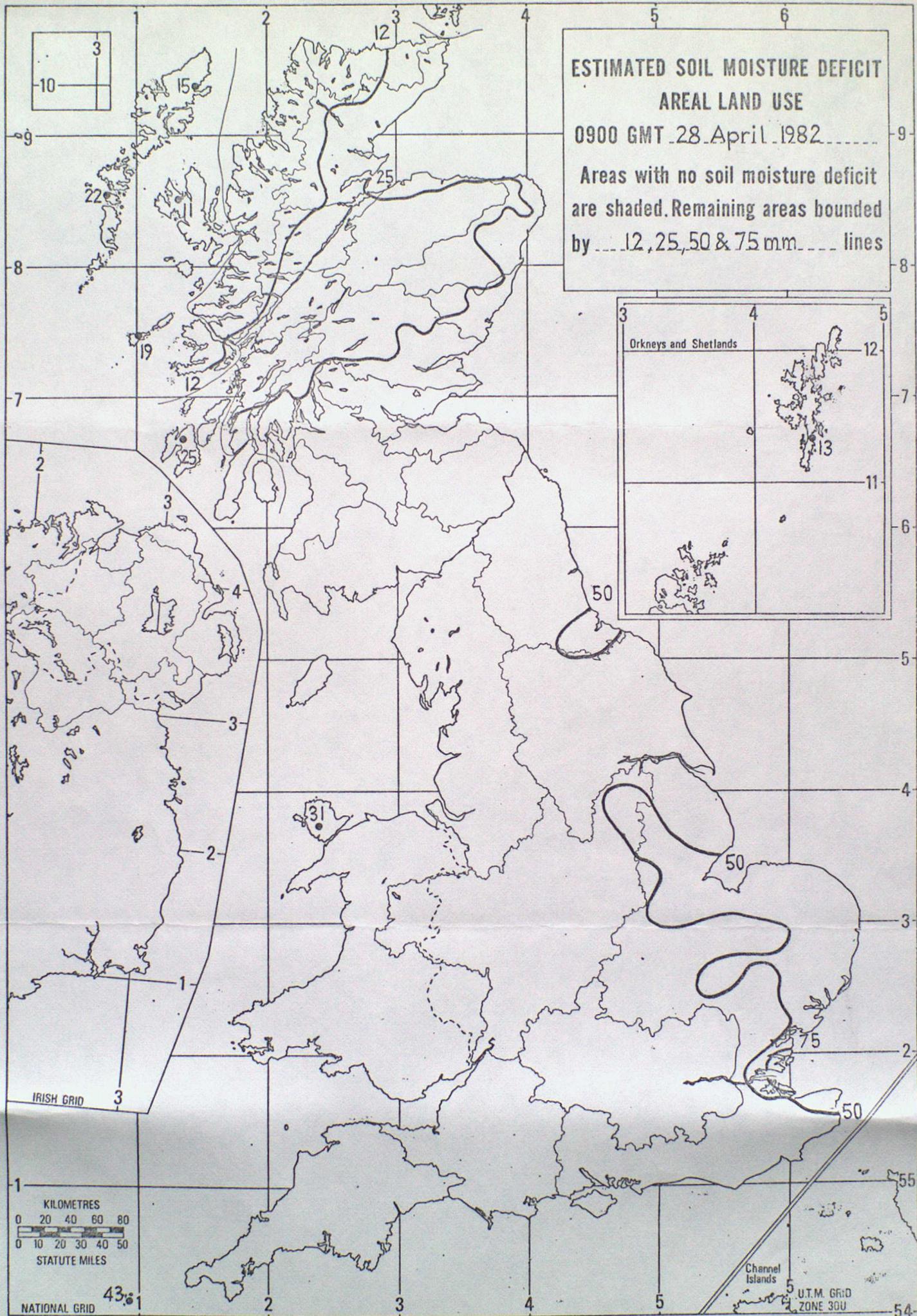
Issued 29 April 1982

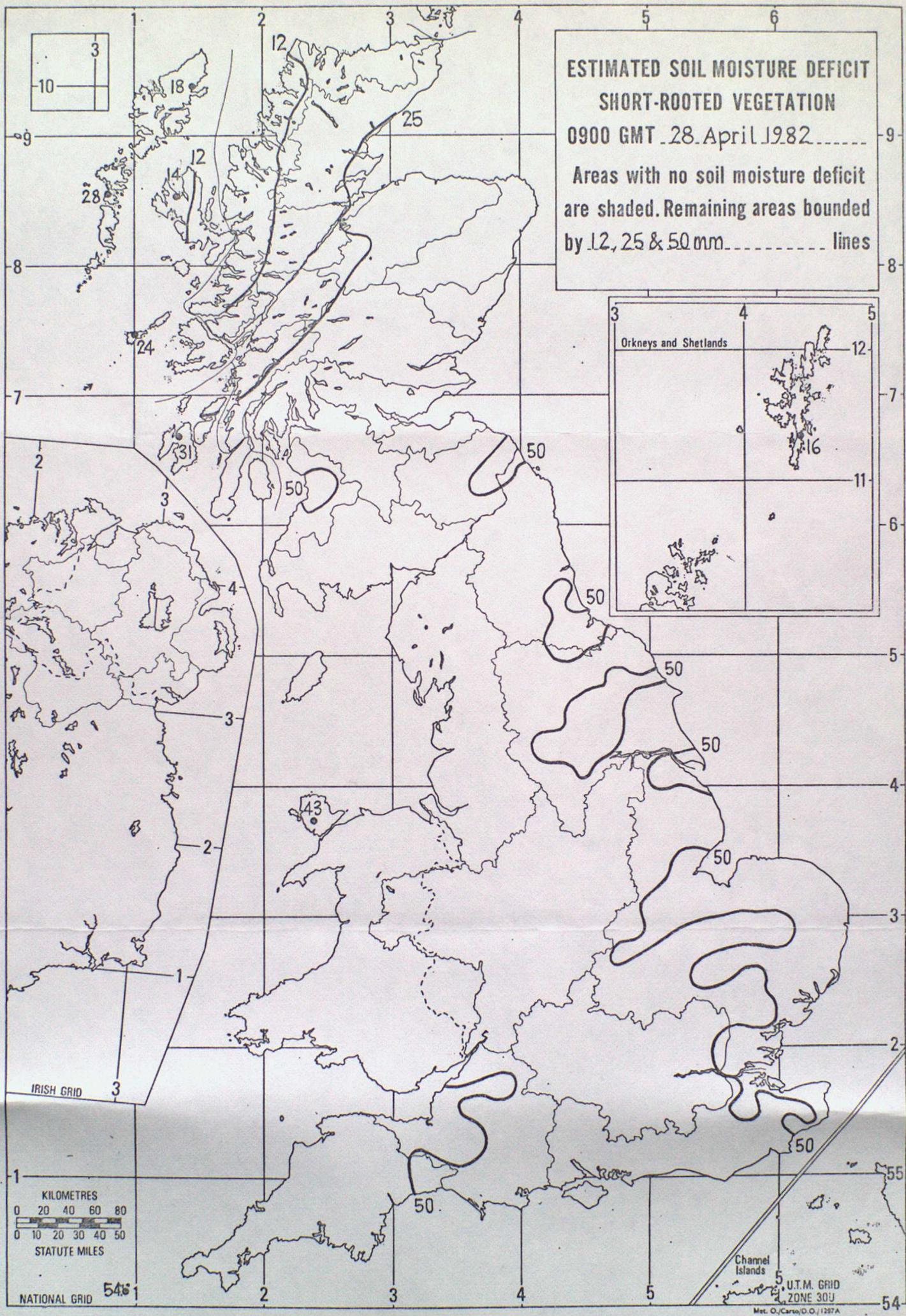
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ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.) AT 09 GMT ON 28 APRIL 1982

RIVER AREA	AREAL LAND USE	CHANGE DURING THE WEEK ENDING	
	ESTIMATED S.M.D. MM	09 GMT ON 28 APRIL 1982	21 APRIL 1982
NORTHUMBRIAN	38.3	+ 14.4	+ 12.2
YORKSHIRE	41.8	+ 14.6	+ 13.9
TRENT	34.5	+ 14.4	+ 13.0
LINCOLNSHIRE	49.8	+ 13.7	+ 14.0
WELLAND AND NENE	44.5	+ 13.9	+ 14.6
GREAT OUSE	43.5	+ 18.9	+ 10.3
NORFOLK AND SUFFOLK	56.9	+ 12.1	+ 18.5
ESSEX	53.1	+ 12.9	+ 18.4
LEE DIVISION	37.0	+ 16.3	+ 13.8
THAMES CONSERVANCY	36.0	+ 13.5	+ 14.0
LONDON AREA	35.5	+ 13.3	+ 14.1
KENT	44.1	+ 17.8	+ 15.6
SUSSEX	37.4	+ 14.1	+ 15.4
HAMPSHIRE	37.2	+ 13.6	+ 15.0
ISLE OF WIGHT	37.6	+ 14.2	+ 14.8
UPPER THAMES	35.6	+ 13.8	+ 13.8
AVON AND DORSET	38.0	+ 13.9	+ 15.4
DEVON	41.9	+ 15.2	+ 16.3
CORNWALL	43.6	+ 16.8	+ 15.9
SOMERSET	41.9	+ 14.8	+ 16.3
BRISTOL AVON	39.3	+ 14.7	+ 14.7
SEVERN	35.4	+ 14.6	+ 13.4
WYE	35.5	+ 14.4	+ 13.6
USK	37.1	+ 14.5	+ 14.0
GLAMORGAN	37.3	+ 14.2	+ 14.1
SOUTH WEST WALES	36.4	+ 13.7	+ 13.6
GWYNEDD	34.3	+ 13.3	+ 13.2
DEE AND CLWYD	33.9	+ 13.8	+ 13.2
MERSEY AND WEAVER	34.4	+ 14.2	+ 13.9
LANCASHIRE	36.5	+ 14.5	+ 13.8
CUMBRIA	33.7	+ 13.4	+ 12.4

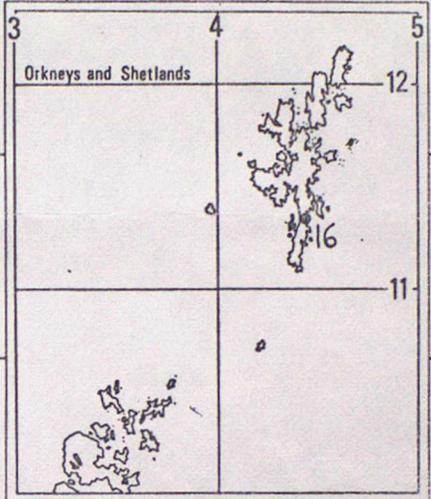
N.B. Apart from normal changes these differences also reflect retrospective adjustments after receipt of additional data.





**ESTIMATED SOIL MOISTURE DEFICIT
SHORT-ROOTED VEGETATION
0900 GMT 28 April 1982**

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



KILOMETRES
0 20 40 60 80
STATUTE MILES
0 10 20 30 40 50

NATIONAL GRID 54° 1'

Channel Islands
U.T.M. GRID
ZONE 30U
Met. O. Circ. D. O. 1287A