

METEOROLOGICAL OFFICE

Estimated Soil Moisture Deficit over Great Britain

at 0900 GMT on 9 October 1974

There has been no significant interruption in the generally wet weather, especially over England and Wales, since the issue of the last bulletin (0900 GMT 25 September 1974). The 26 and 27 September were particularly wet especially in southern England and South Wales. Scattered thunderstorms occurred over England and Wales between 25 September and 1 October and locally on 7 and 8 October. It has been much less wet over Scotland with several dry days in eastern and southern Scotland.

The last day of the period was dry in many western and southern districts and in consequence these regions in general have a deficit, but only of 1 or 2 mm. In other areas deficits have been substantially reduced. In October evaporation is no more than a millimetre per day so that any moderate fall of rain will have a marked effect in reducing deficits. Nevertheless large deficits for the time of year still exist in eastern Scotland around the Moray Firth and Firth of Forth and in the valley of the Tweed and also in northeast England, parts of the north and west Midlands and a small area around the Thames estuary.

RATES OF SUBSCRIPTION: £4.00 per season (post free)

Apply to: Director-General
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Bracknell
Berkshire RG12 2SZ

Issued on 10 October 1974

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Estimated Soil Moisture Deficit (S.M.D.) at 09 GMT on 9 Oct 1974

<u>RIVER AREA</u>	<u>ESTIMATED AREAL</u>	<u>CHANGE DURING THE WEEK ENDING 09 GMT ON</u>	
	<u>S.M.D.</u>	<u>9 OCT 74</u>	<u>2 OCT 74</u>
	MM	MM	MM
NORTHUMBRIAN	39.6	- 7.8	- 4.7
YORKSHIRE	22.2	- 18.1	- 8.0
TRENT	34.2	- 17.8	- 14.7
LINCOLNSHIRE	46.5	- 40.5	- 11.2
WELLAND AND NENE	47.7	- 35.8	- 12.1
GREAT OUSE	38.1	- 31.8	- 12.7
NORFOLK AND SUFFOLK	49.3	- 35.6	- 10.4
ESSEX	57.6	- 30.8	- 10.5
LEE CONSERVANCY	41.1	- 28.7	- 17.2
THAMES CONSERVANCY	23.6	- 8.2	- 13.6
LONDON AREA	38.5	- 8.3	- 15.3
KENT	26.6	- 24.1	- 16.2
SUSSEX	7.2	- 9.5	- 10.2
HAMPSHIRE	9.7	- 1.1	- 8.1
ISLE OF WIGHT	19.0	- 2.8	- 7.5
AVON AND DORSET	7.5	- 1.5	- 9.0
DEVON	6.9	+ 1.9	- 5.7
CORNWALL	0.7	+ 0.4	- 2.8
SOMERSET	9.0	- 1.5	- 10.3
BRISTOL AVON	8.6	- 2.2	- 17.0
SEVERN	41.4	- 5.8	- 16.0
WYE	17.0	- 2.2	- 7.1
USK	0.7	+ 0.3	- 0.2
GLAMORGAN	0.6	+ 0.1	- 0.5
SOUTH WEST WALES	0.3	+ 0.3	- 2.3
GWYNEDD	5.0	- 1.3	- 7.0
DEE AND CLWYD	12.7	- 4.6	- 12.7
MERSEY AND WEAVER	9.7	- 5.7	- 12.3
LANCASHIRE	3.4	- 0.1	- 4.1
CUMBERLAND	2.0	- 0.7	+ 0.2

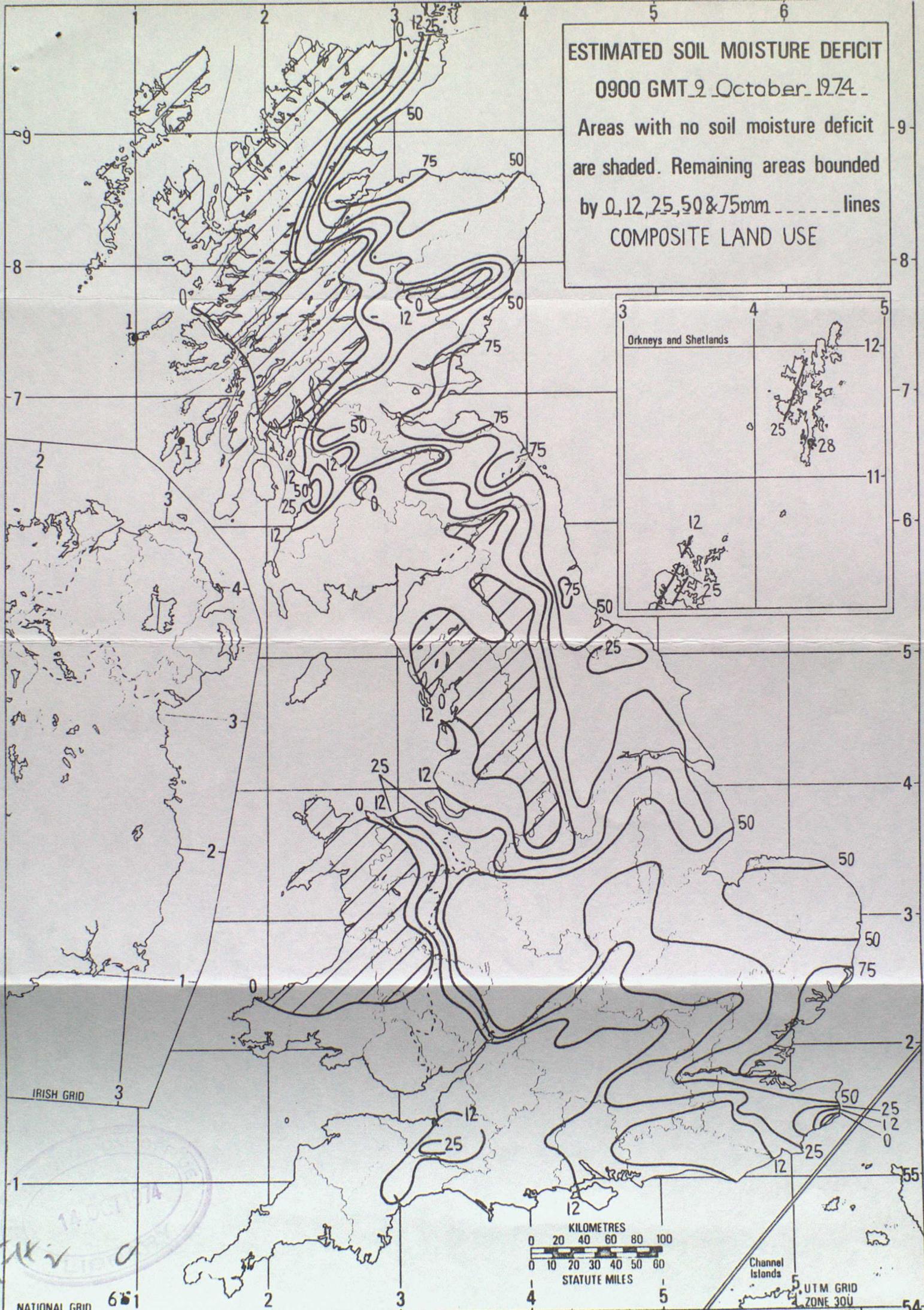
N.B. Apart from normal changes these differences also reflect retrospective adjustments after receipt of additional data.

ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 9 October 1974

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

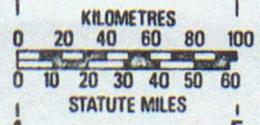
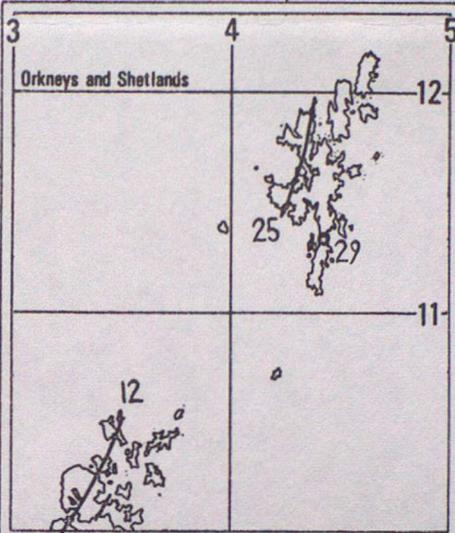
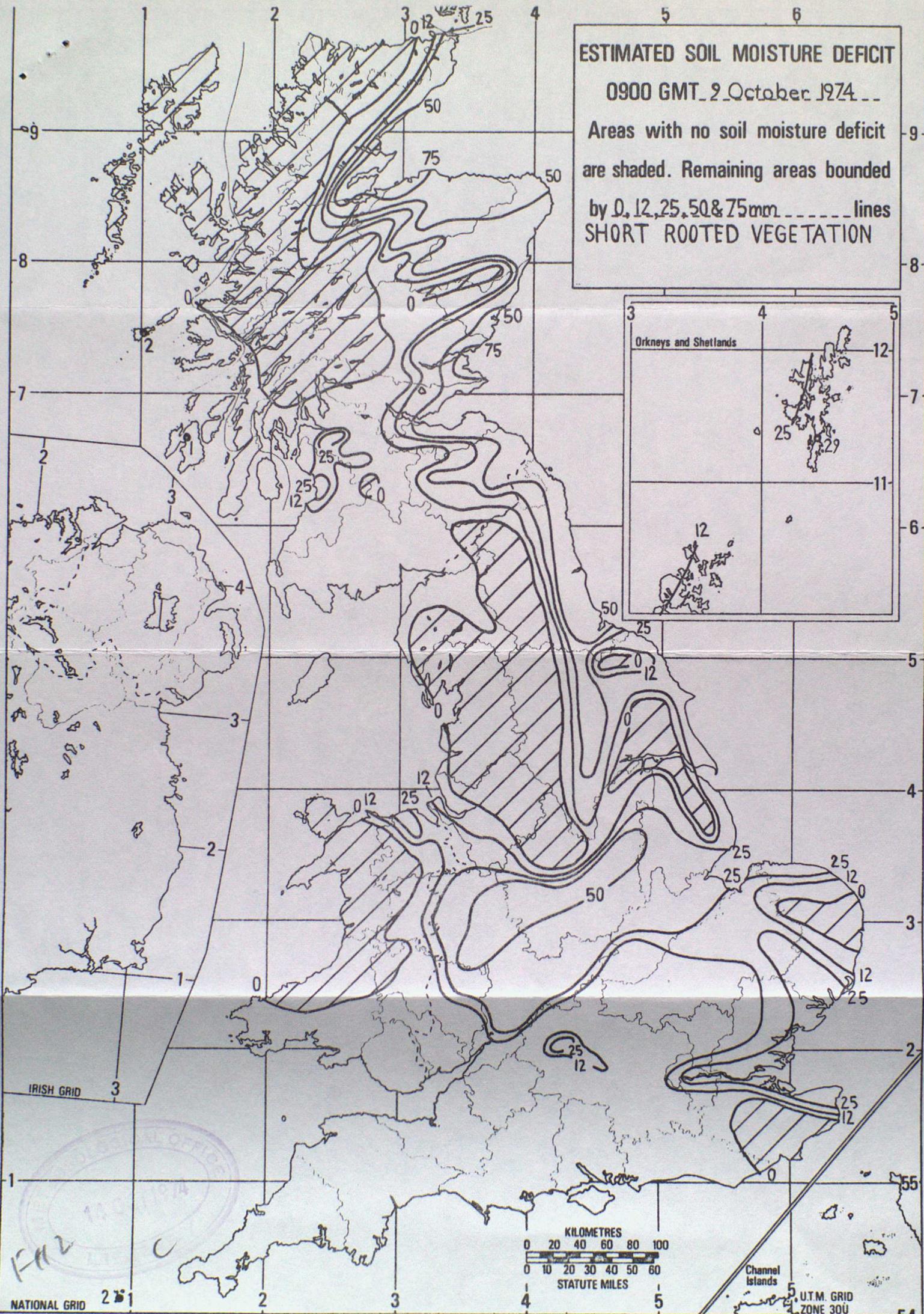
COMPOSITE LAND USE



ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 2 October 1974

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



IRISH GRID

NATIONAL GRID

U.T.M. GRID
ZONE 30U

Met. O. Carto/D.O./1297A