

8679110

ESTIMATED SOIL MOISTURE DEFICIT (SMD) AT 09 GMT ON 9 JANUARY 1974

River Authority Area	Estimated Areal SMD mm	Change During the Week Ending 09 GMT		
		9 Jan 74 mm	2 Jan 74 mm	26 Dec 73 mm
Northumbrian	11.7	- 3.5	- 0.5	- 5.8
Yorkshire	4.0	- 2.5	+ 0.2	- 3.3
Trent	0.2	- 0.8	+ 0.1	- 2.4
Lincolnshire	20.7	- 6.1	- 1.0	- 7.4
Welland and Nene	22.6	- 9.8	- 1.9	- 9.3
Great Ouse	28.4	- 7.3	- 2.3	- 7.7
East Suffolk and Norfolk	17.6	- 10.4	- 0.9	- 1.8
Essex	39.5	- 2.2	- 1.3	- 8.6
Lee Conservancy	26.8	- 6.4	- 1.3	- 17.0
Thames Conservancy	14.2	- 11.9	- 1.5	- 15.7
London Area	22.7	- 10.1	- 1.1	- 18.6
Kent	12.3	- 5.1	- 0.3	- 6.2
Sussex	8.8	- 7.6	- 0.6	- 10.6
Hampshire	3.3	- 10.5	- 0.4	- 17.2
Isle of Wight	20.6	- 19.8	- 1.4	- 19.6
Avon and Dorset	0.0	- 5.2	- 0.4	- 9.7
Devon	0.0	- 0.4	0.0	- 0.9
Cornwall	0.0	- 0.1	+ 0.1	0.0
Somerset	0.0	- 0.5	- 0.2	- 2.7
Bristol Avon	0.0	- 2.8	- 1.4	- 4.0
Severn	3.9	- 7.1	- 1.2	- 4.6
Wye	0.0	- 1.5	- 0.1	- 2.4
Usk	0.0	- 0.2	+ 0.2	0.0
Glamorgan	0.0	- 0.2	+ 0.2	0.0
South West Wales	0.0	- 0.2	+ 0.2	0.0
Gwynedd	0.0	- 0.2	+ 0.2	0.0
Dee and Clwyd	0.0	- 0.2	+ 0.2	0.0
Mersey and Weaver	0.0	- 0.2	+ 0.2	- 0.1
Lancashire	0.0	- 0.2	+ 0.2	- 0.1
Cumberland	0.0	- 0.1	- 0.1	- 0.9

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

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METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT OVER GREAT BRITAIN
AT 0900 GMT ON 9 JANUARY 1974

On the four days following the issue of the last bulletin (19 December 1973), rain was widespread over all areas except East Anglia which received markedly less rain than the rest of the country. A mainly dry spell followed and lasted until 2 January 1974 interrupted by widespread rain on 25 December. On 2 January 1974 rain began to spread from the South-West, covering the whole country by 4 January and lasting until 8 January. East Anglia was again relatively dry during this period compared with the rest of the country.

Since evaporation is low at this time of year the recent large amount of rain has considerably reduced deficits in all areas where they previously existed. Deficits for short-rooted vegetation in excess of 25 mm exist only in East Lothian and the South Cambridgeshire area. Most of the country North and West of a line from Southampton to Grimsby is now at field capacity. East Kent and North-West Norfolk have also reached field capacity. However, significant areal deficits in excess of 50 mm still exist in East Lothian and the South-East Midlands. As evaporation is now slowly increasing a deficit might possibly continue through the Winter period in these two areas.

Evaporation data for November 1973 will be included in a later bulletin.

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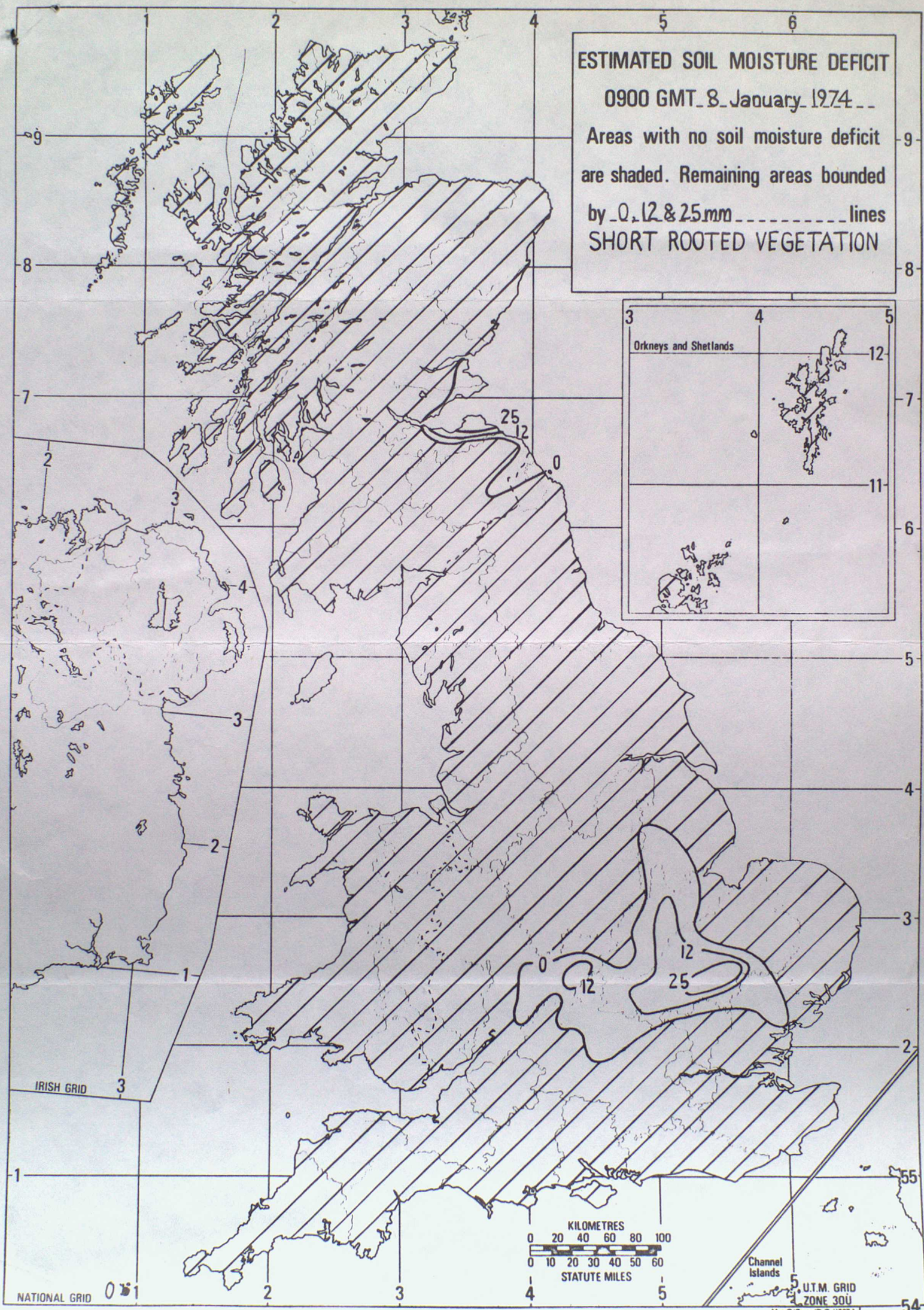
Apply to: Director-General
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ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 8 January 1974

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

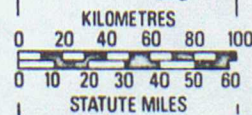
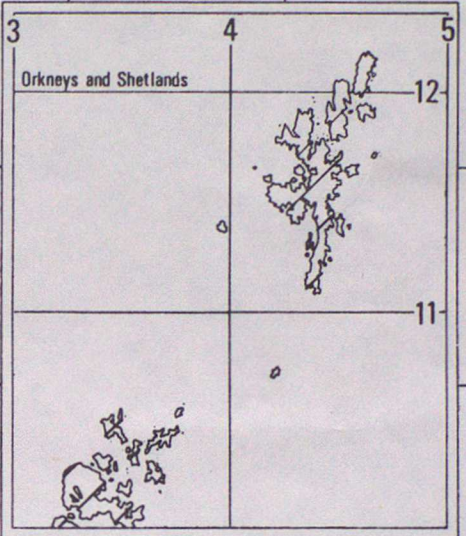
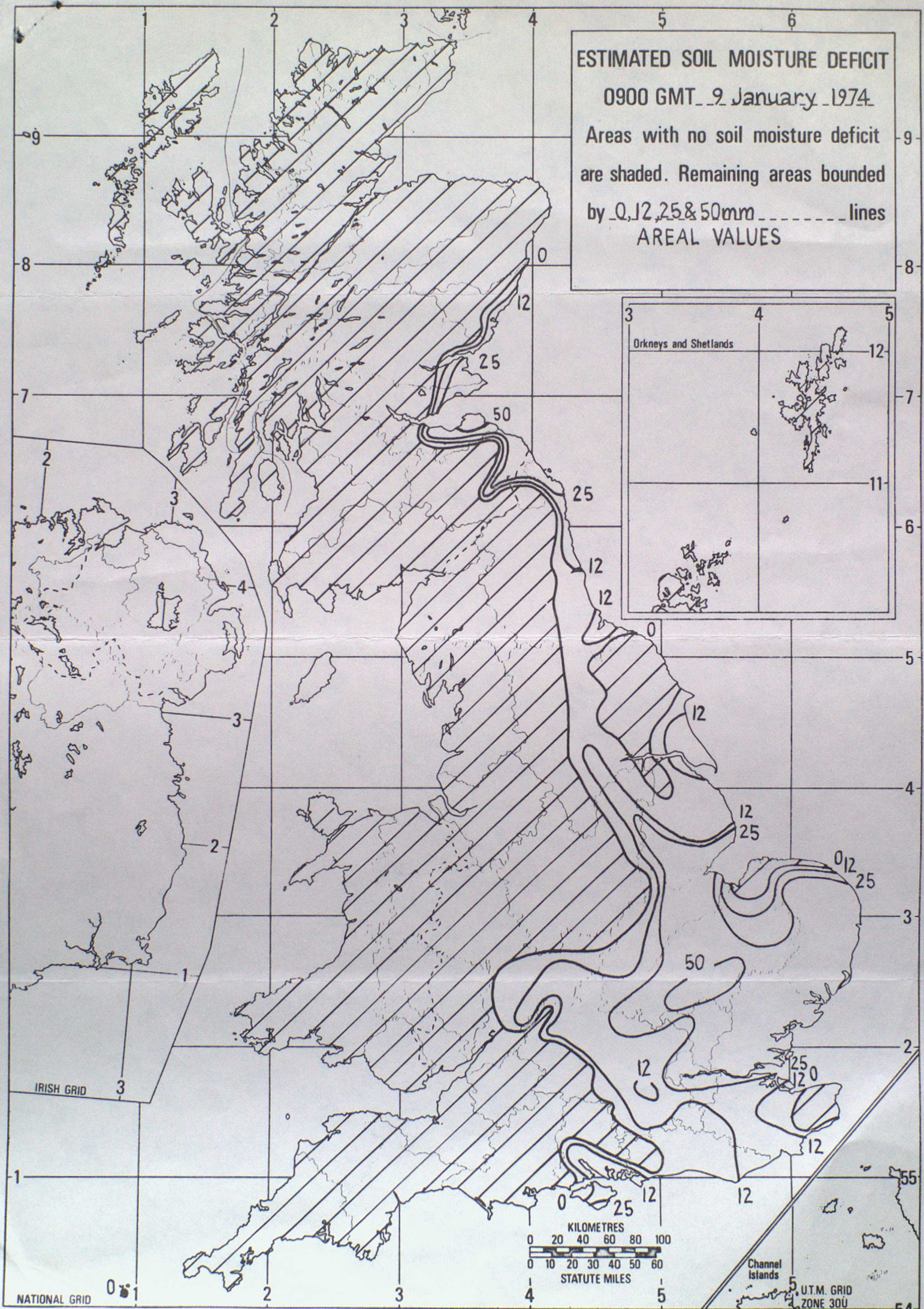
SHORT ROOTED VEGETATION



ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 9 January 1974

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



Channel Islands
UTM GRID
ZONE 30U
Met. O/Carro/D.O./1297A