



METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT OVER GREAT BRITAIN

SOIL MOISTURE DEFICIT AT 0900 ON 11 NOVEMBER 1981

October finished generally wet with most places having rain from the 28th to 30th. The 31st was drier with many places, especially in central and eastern England, escaping rain altogether. November started wet in Scotland where most places had rain during the first three days; the heaviest fall being 25 mm on the 1st at Fair Isle. The first three days in England and Wales were drier than in Scotland and although most places had some rain only upland areas had more than a few millimetres with Holm Moss having 15 mm on the first.

Although parts of extreme southwest England had rain on the 4th, 12 mm in the Isles of Scilly and 11 mm at Culdrose and the Western Isles of Scotland also had a few millimetres on the 4th, most other parts of the country remained dry from the 4th until the 7th. England and Wales with the exception of the Northwest were also dry on the 8th and 9th but on the 10th more general rainfall occurred in the North. In Scotland most places had a few millimetres on the 8th with more general rainfall on the 9th and 10th, 40 millimetres being reported at Sloy Power station on the 10th.

All areas of England and Wales had less than average rainfall during the last fortnight with only 11% of average being reported from Exeter and Yeovilton. The rainfall in Scotland was generally below average in the East and above average in the West with twice the average rainfall being reported at Stornoway.

Over all river divisions of England and Wales mean deficits for areal land use have increased during the last fortnight although they are still below or within a few millimetres of average in all divisions except Lincoln, where mean deficits are 17 mm above average and Norfolk and Suffolk where they are 7 mm above average.

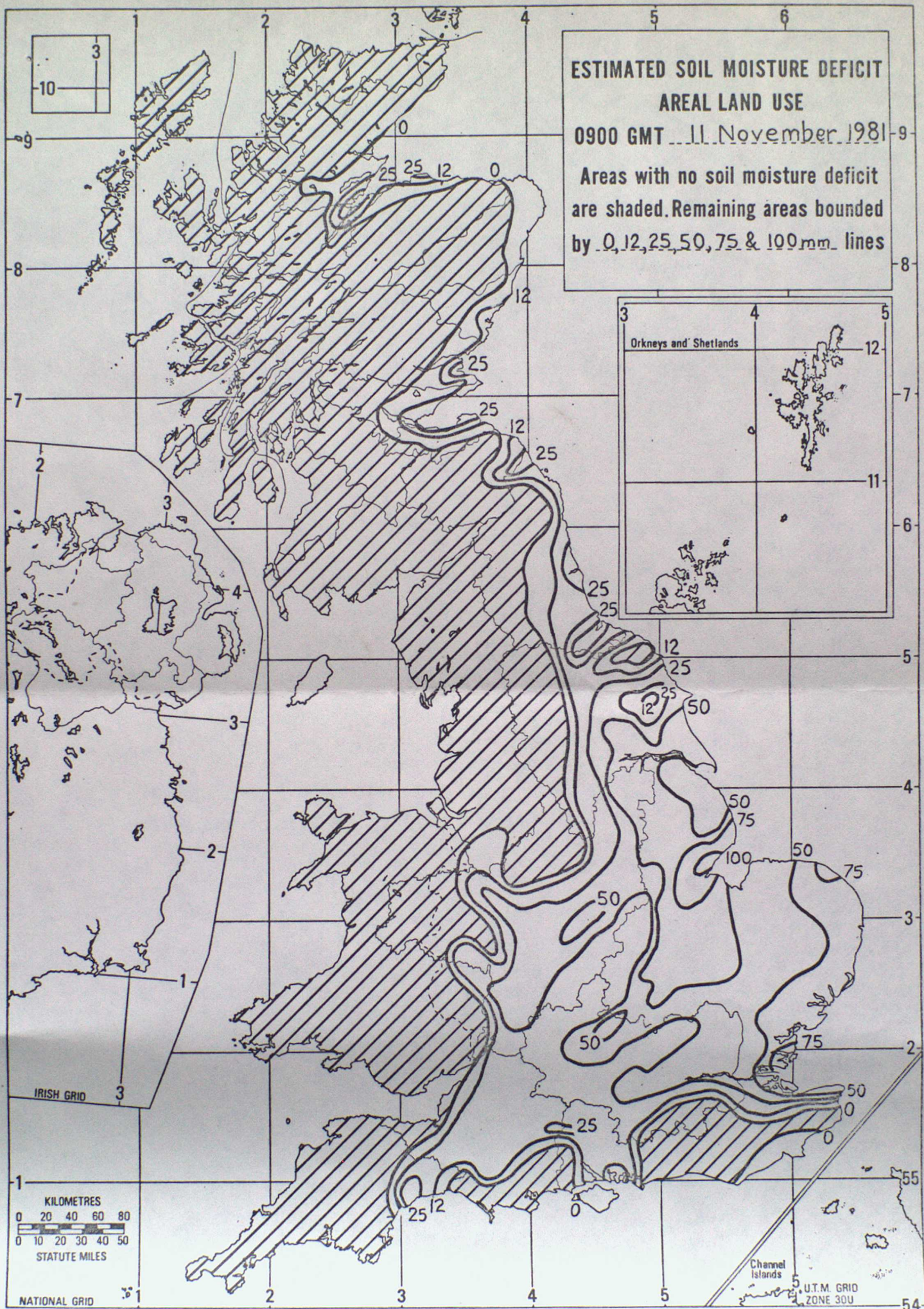
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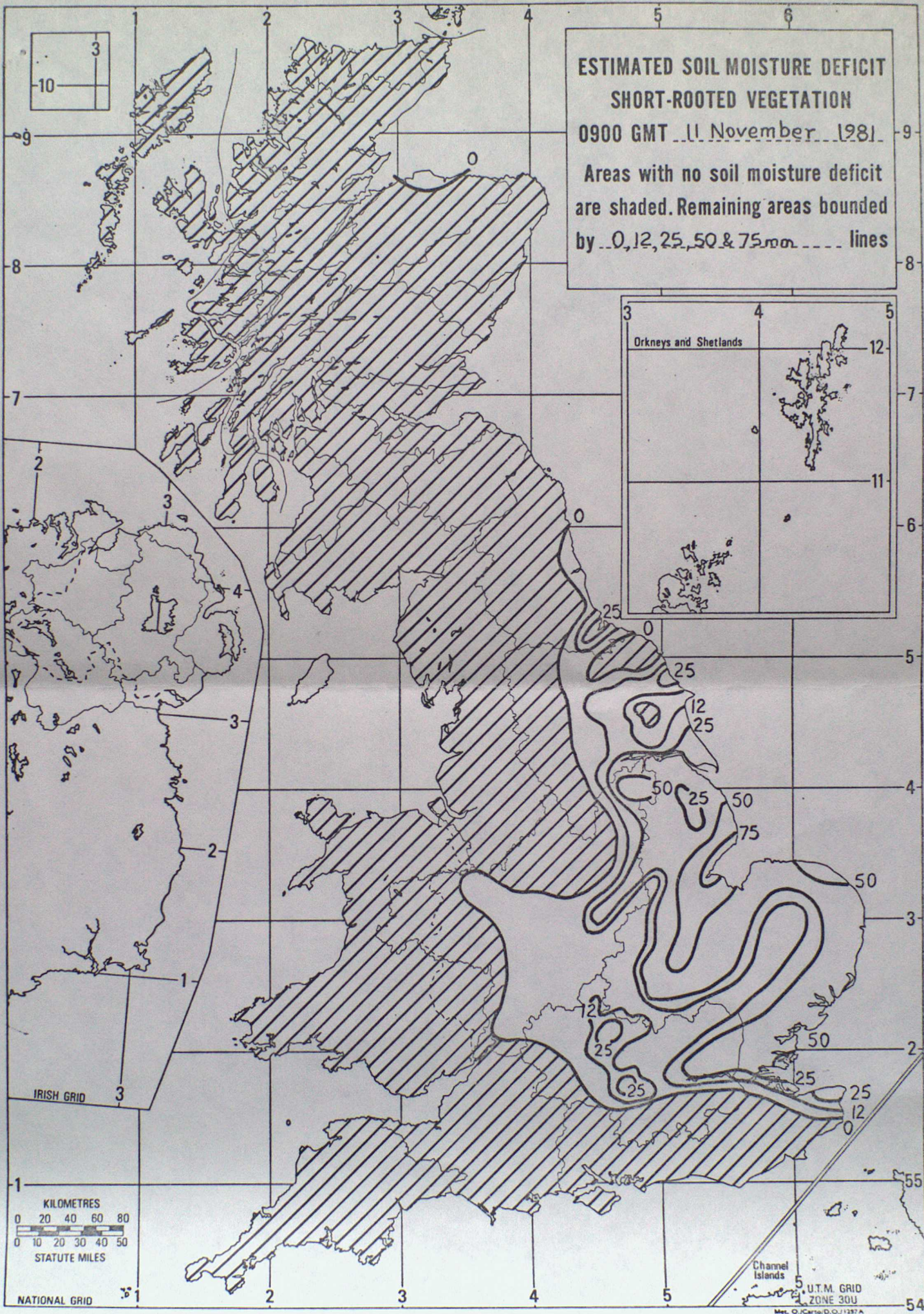
Issued 12 November 1981

ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.) AT 09 GMT ON 11 NOVEMBER 1981

RIVER AREA	AREAL LAND USE ESTIMATED S.M.D. MM	CHANGE DURING THE WEEK ENDING 09 GMT ON	
		11 NOV 81 MM	4 NOV 81 MM
Northumbrian	18.3	+ 0.9	- 3.2
Yorkshire	25.9	+ 2.9	- 3.0
Trent	28.7	+ 4.6	- 1.4
Lincolnshire	75.8	+ 4.6	- 2.4
Welland and Nene	49.1	+ 3.0	- 3.2
Great Ouse	47.8	+ 1.3	- 4.2
Norfolk and Suffolk	55.9	+ 6.0	- 5.0
Essex	61.1	+ 4.3	- 4.1
Lee Division	37.3	+ 1.5	- 4.7
Thames Conservancy	25.6	+ 2.5	- 2.6
London Area	22.5	+ 1.4	- 2.2
Kent	17.4	+ 0.9	- 2.5
Sussex	1.6	+ 1.4	- 0.8
Hampshire	11.1	+ 3.2	- 1.0
Isle of Wight	19.3	+ 1.4	- 3.6
Upper Thames	28.3	+ 2.4	- 2.2
Avon and Dorset	13.3	+ 3.5	- 1.0
Devon	8.2	+ 3.0	- 0.4
Cornwall	1.3	+ 1.3	0.0
Somerset	14.2	+ 3.4	- 1.4
Bristol Avon	15.8	+ 3.7	- 2.2
Severn	16.7	+ 3.1	- 1.0
Wye	4.4	+ 1.2	- 0.7
Usk	1.2	+ 1.2	0.0
Glamorgan	1.1	+ 1.1	0.0
South West Wales	0.5	+ 0.5	0.0
Gwynedd	0.0	0.0	- 0.2
Dee and Clwyd	0.5	+ 0.3	- 1.3
Mersey and Weaver	0.4	+ 0.3	- 1.4
Lancashire	0.0	0.0	0.0
Cumbria	0.0	0.0	- 0.1

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





**ESTIMATED SOIL MOISTURE DEFICIT
SHORT-ROOTED VEGETATION**
0900 GMT 11 November 1981
Areas with no soil moisture deficit
are shaded. Remaining areas bounded
by 0, 12, 25, 50 & 75 mm --- lines

