



METEOROLOGICAL OFFICE
ESTIMATED SOIL MOISTURE DEFICIT OVER GREAT BRITAIN
AT 0900 GMT ON 13 APRIL 1977

When the last bulletin of the 1976-77 season was issued on 9 December 1976, the only sizeable deficits were in parts of Lincolnshire, Cambridgeshire and near the Moray Firth. Soils in all of eastern England returned to field capacity by the fourth week in January but small deficits persisted throughout the winter around Nairn on the Moray Firth.

Deficits have been increasing significantly in most areas during the past fortnight. At present, the largest deficits are in mid-Somerset (18 mm and 15 mm for short rooted vegetation and composite land use respectively).

RATES OF SUBSCRIPTION: £10.00 per season

Apply to: Director-General
Meteorological Office, Met O 8c
London Road
Bracknell
Berkshire, RG12 2SZ

Issued on 14 April 1977

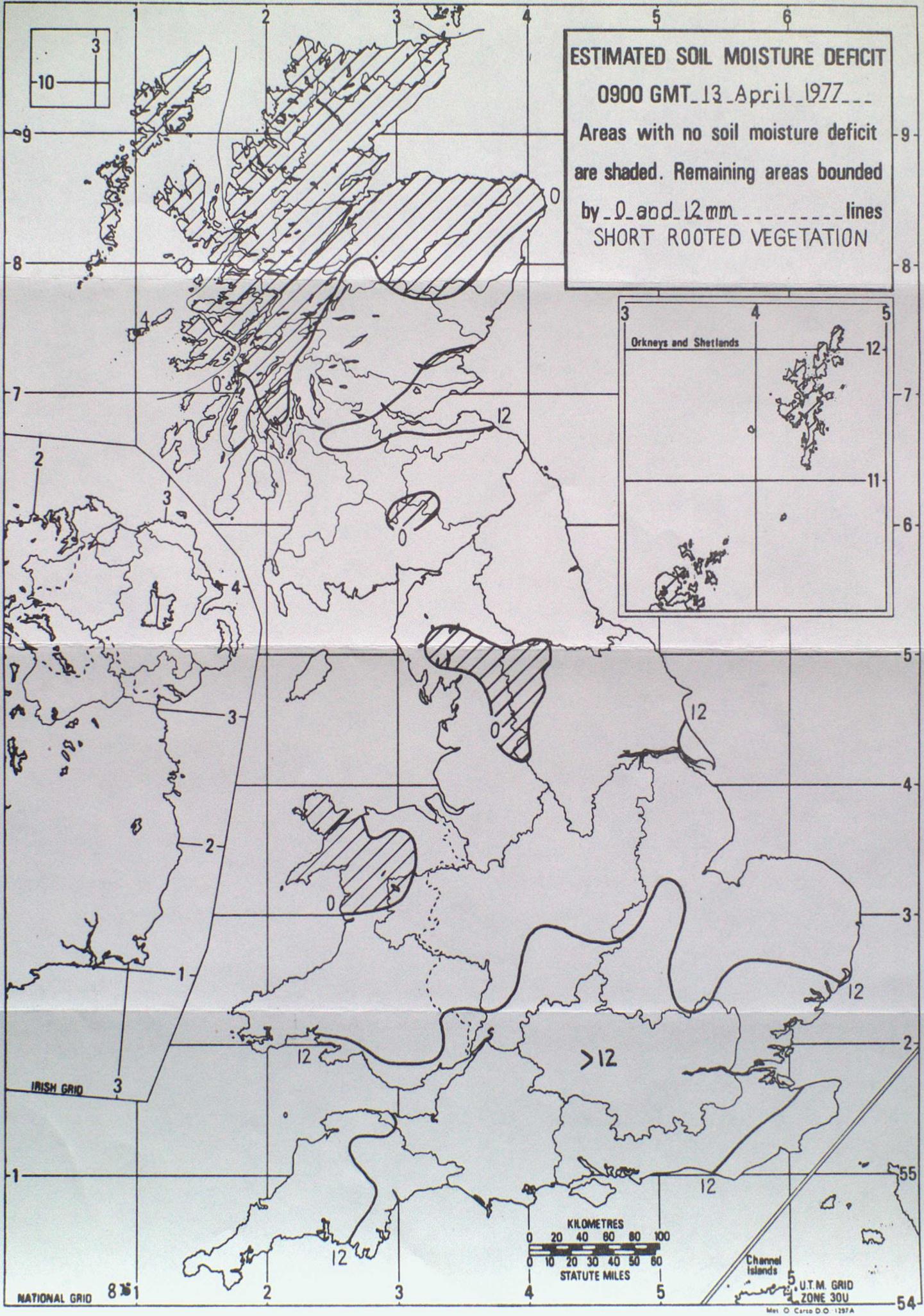
FHZ

ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.)

AT 09 GMT ON 13 APRIL 1977

River Area	Estimated Areal	Change during the Week Ending 09 GMT on	
	S.M.D. MM	13 April 1977 MM	6 April 1977 MM
Northumbrian	5.3	+ 3.8	- 0.6
Yorkshire	5.0	+ 2.1	+ 1.6
Trent	5.8	+ 3.1	+ 1.1
Lincolnshire	7.1	+ 3.8	+ 2.2
Welland and Nene	9.1	+ 5.2	+ 2.6
Great Ouse	8.4	+ 3.8	+ 3.4
Norfolk and Suffolk	4.2	- 1.5	+ 4.7
Essex	11.3	+ 5.4	+ 4.7
Lee Conservancy	11.0	+ 5.4	+ 4.1
Thames Conservancy	10.7	+ 6.0	+ 3.0
London Area	11.9	+ 6.9	+ 3.1
Kent	7.8	+ 4.0	+ 2.9
Sussex	10.1	+ 5.9	+ 2.7
Hampshire	11.8	+ 7.1	+ 2.9
Isle of Wight	11.9	+ 6.8	+ 3.3
Avon and Dorset	11.8	+ 6.9	+ 3.0
Devon	9.9	+ 4.5	+ 3.4
Cornwall	3.4	- 1.3	+ 2.6
Somerset	12.5	+ 6.6	+ 4.0
Bristol Avon	11.5	+ 6.2	+ 3.4
Severn	7.5	+ 3.8	+ 1.6
Wye	7.7	+ 4.0	+ 1.5
Usk	8.9	+ 4.1	+ 2.9
Glamorgan	9.7	+ 4.1	+ 3.8
South West Wales	6.7	+ 2.0	+ 2.6
Gwynedd	1.9	- 1.2	+ 0.4
Dee and Clwyd	3.3	+ 0.5	0.0
Mersey and Weaver	4.2	+ 1.7	0.0
Lancashire	3.4	+ 0.4	+ 0.5
Cumbrian	4.9	+ 2.5	- 0.5

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

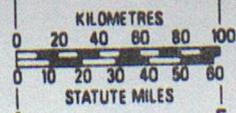
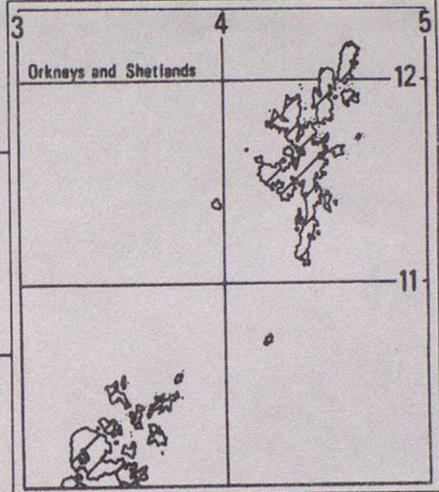
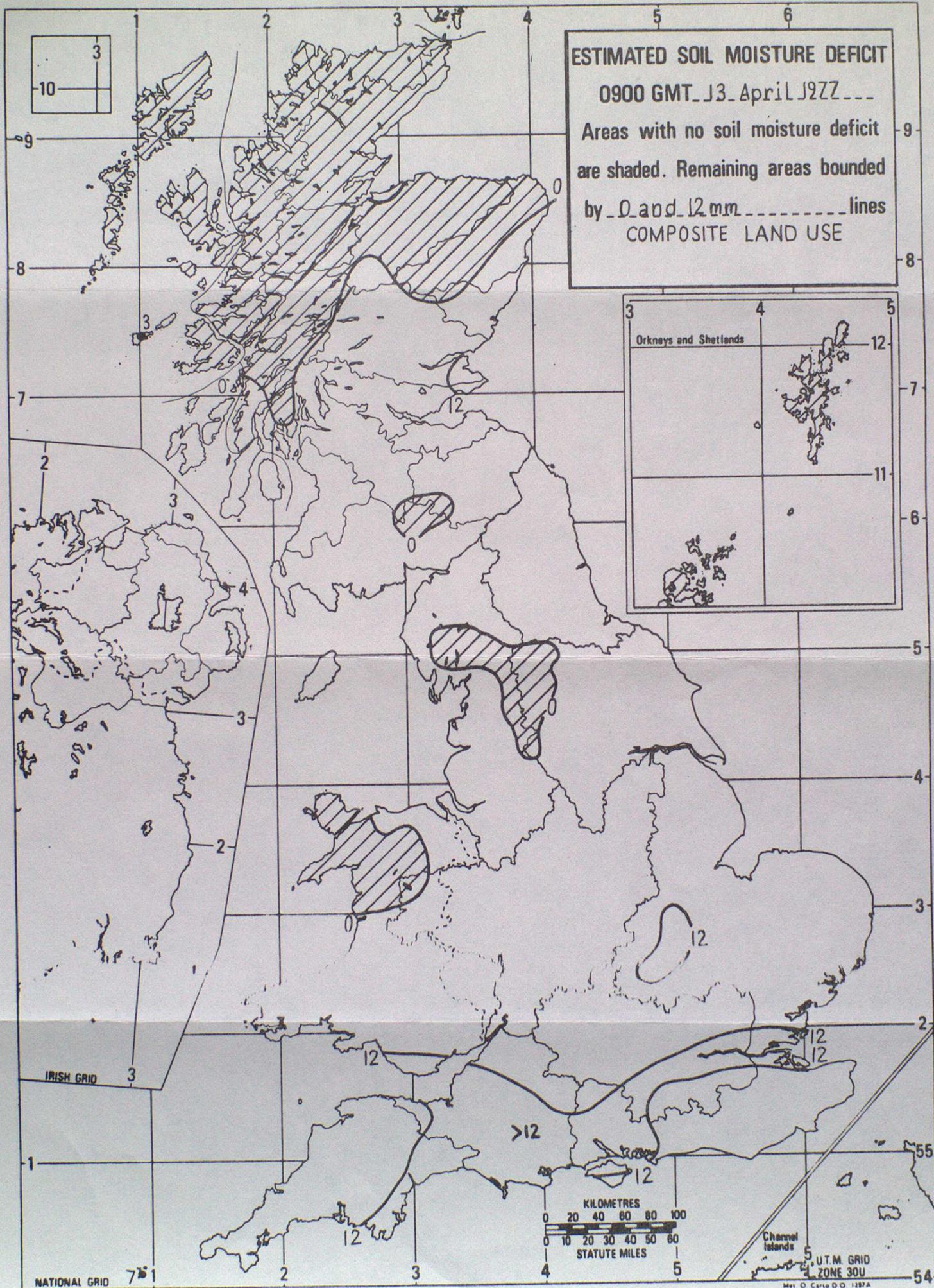


ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 13 April 1977

Areas with no soil moisture deficit are shaded. Remaining areas bounded by 0 and 12 mm ----- lines

COMPOSITE LAND USE



Channel Islands
5 U.T.M. GRID
4 ZONE 30U
Met. O. Carta D.O. 1187A