



METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT OVER GREAT BRITAIN

AT 0900 GMT ON 13 SEPTEMBER 1974

Rain occurred over most areas on each of the six days following the issue of the last bulletin (09 GMT on 4 September 1974). The heaviest reported falls have been over southern England, particularly on the 4th when amounts exceeded 50 mm in places, and in the Vale of Eden. The least rainfall has occurred over North-East England. The 10th was a generally dry day over most areas.

Deficits have been reduced considerably over southern England, and the low-lying land surrounding the Solway Firth but less so over many eastern areas. There has been little change in the deficits over Lincolnshire and the north Midlands. Unusually high deficits still exist on Lewis and the Shetlands although most of western Scotland is at field capacity. The coastal area around the Moray Firth still has short-rooted deficits of around 100 mm.

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

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

Issued on 12 September 1974

FH2

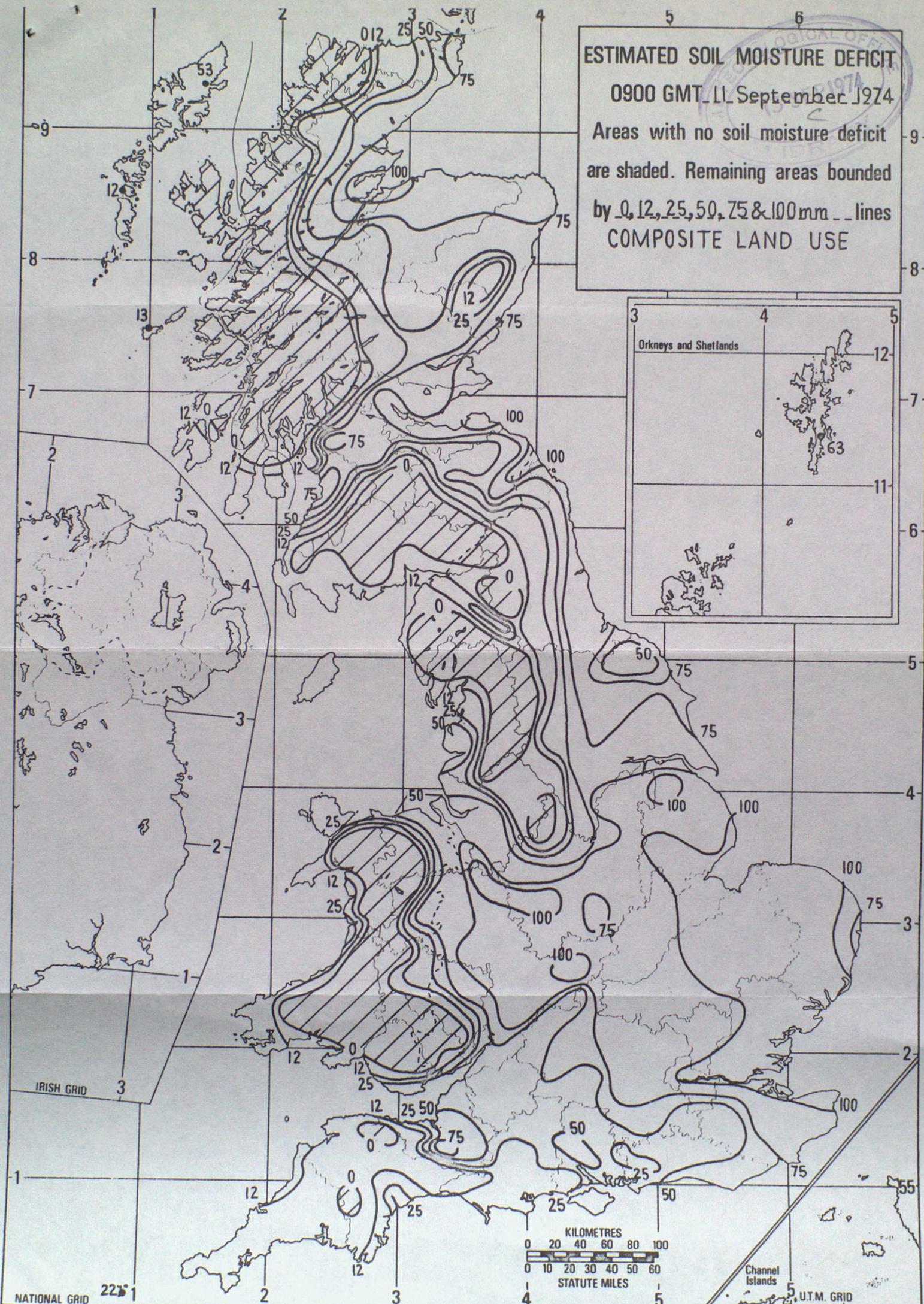
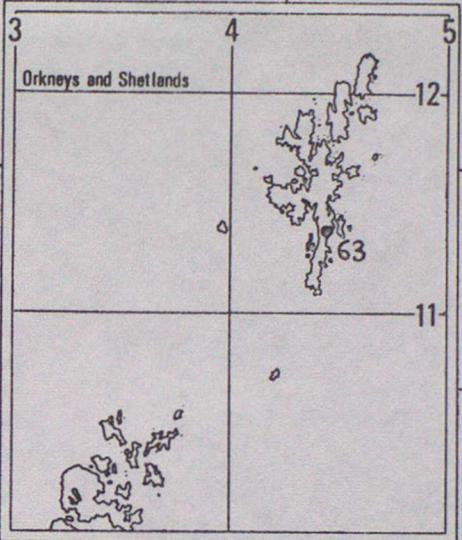
ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.)

AT 09 GMT ON 11 SEPTEMBER 1974

RIVER AUTHORITY AREA	ESTIMATED AREAL S.M.D. MM	CHANGE DURING THE WEEK ENDING 09 GMT 11 SEPT 1974 MM
Northumbrian	56.8	- 6.3
Yorkshire	52.7	- 10.9
Trent	68.4	- 1.9
Lincolnshire	100.1	+ 0.0
Welland and Nene	99.0	- 4.1
Great Ouse	99.3	- 9.2
East Suffolk and Norfolk	100.1	- 3.2
Essex	114.9	- 13.2
Lee Conservancy	96.8	- 16.9
Thames Conservancy	67.5	- 23.6
London Area	73.9	- 28.8
Kent	83.2	- 23.2
Sussex	43.1	- 36.0
Hampshire	36.5	- 32.8
Isle of Wight	46.8	- 42.0
Avon and Dorset	31.4	- 30.5
Devon	20.4	- 14.0
Cornwall	8.2	- 5.1
Somerset	33.9	- 23.7
Bristol Avon	46.0	- 23.7
Severn	72.2	- 8.7
Wye	34.2	- 4.1
Usk	11.2	- 5.6
Glamorgan	14.9	- 6.3
South West Wales	10.7	- 8.2
Gwynedd	27.3	- 9.0
Dee and Clwyd	38.7	- 7.4
Mersey and Weaver	35.4	- 12.1
Lancashire	14.1	- 6.5
Cumberland	9.4	- 26.7

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

**ESTIMATED SOIL MOISTURE DEFICIT**  
**0900 GMT, 11 September 1974**  
 Areas with no soil moisture deficit are shaded. Remaining areas bounded by 0, 12, 25, 50, 75 & 100 mm ... lines  
**COMPOSITE LAND USE**



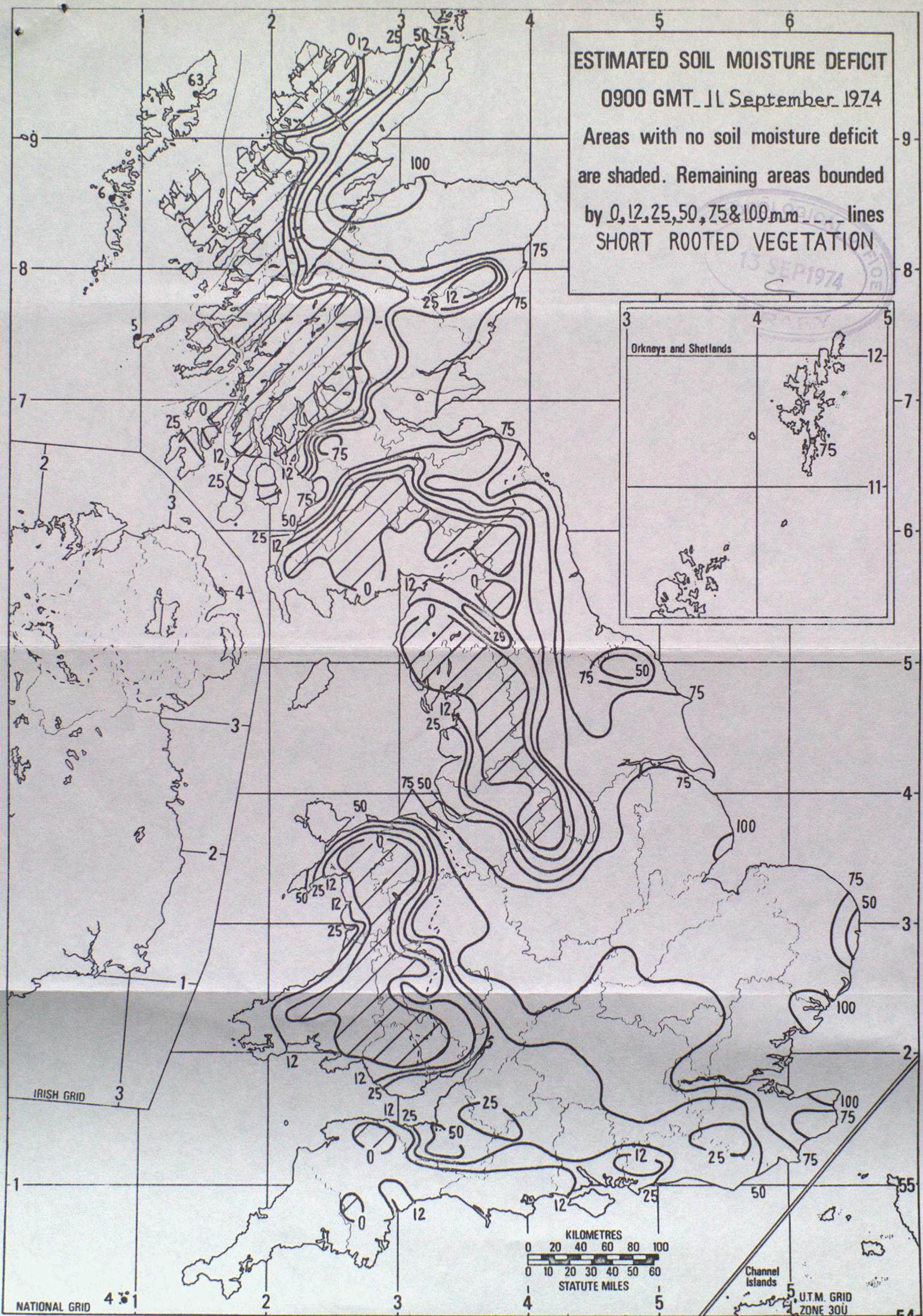
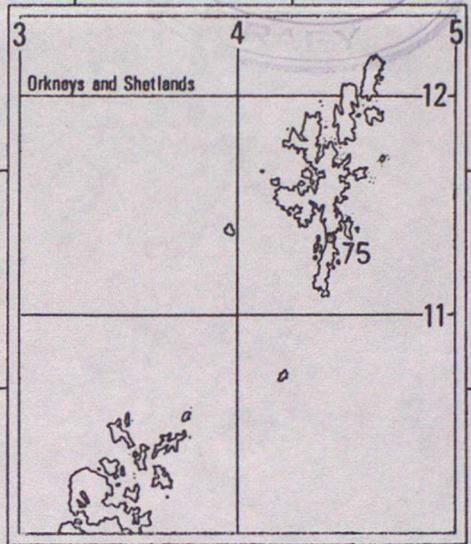
IRISH GRID

NATIONAL GRID 22° 1'



Channel Islands  
 U.T.M. GRID  
 ZONE 30U  
 Met.O/Carto/D.O./1297A

**ESTIMATED SOIL MOISTURE DEFICIT**  
**0900 GMT, 11 September 1974**  
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**SHORT ROOTED VEGETATION**



13 SEP 1974