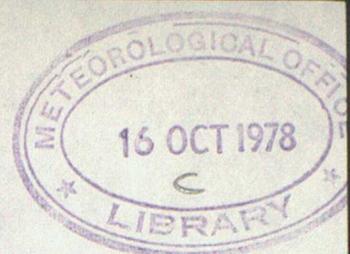


METEOROLOGICAL OFFICE
ESTIMATED SOIL MOISTURE DEFICIT AND POTENTIAL
EVAPOTRANSPIRATION OVER GREAT BRITAIN
SOIL MOISTURE DEFICIT AT 0900 GMT ON 11 OCTOBER 1978.



From the date of the last issue of this bulletin (27 September) until the end of September, the weather was unsettled over the whole country with widespread rainfall; this was particularly heavy in parts of Wales, NW England and western Scotland, where amounts exceeded 15mm on each of the days 27th to 29th, e.g. 33 mm fell at Trawsfynydd (Gwynedd) on 27th, 33 mm at Ardnamurchan (Highland) on 28th and 27 mm at Mull of Galloway on 29th. The wettest days of the fortnight over England and Wales and Scotland generally were 27th and 28th September respectively. Apart from mainly small amounts of rain at places in Wales and western England on 2nd and 9th October, the remainder of the period was dry over England and Wales. Over Scotland the weather remained more changeable with rain at times, especially in western and northern areas; heavy rain fell in the north on 4th, 5th and 8th, e.g. 60 mm fell at Cape Wrath (Highland) on 4th and 38 mm at Benbecula (Western Isles) on 8th.

Over England and Wales, deficits are above normal in all areas except the North, and they are more than twice the average for this time of year in most of SW England and east Wales. In Scotland, deficits are mainly below normal, except over Solway where they are close to average.

RATES OF SUBSCRIPTION: £15.00 per season (post free)

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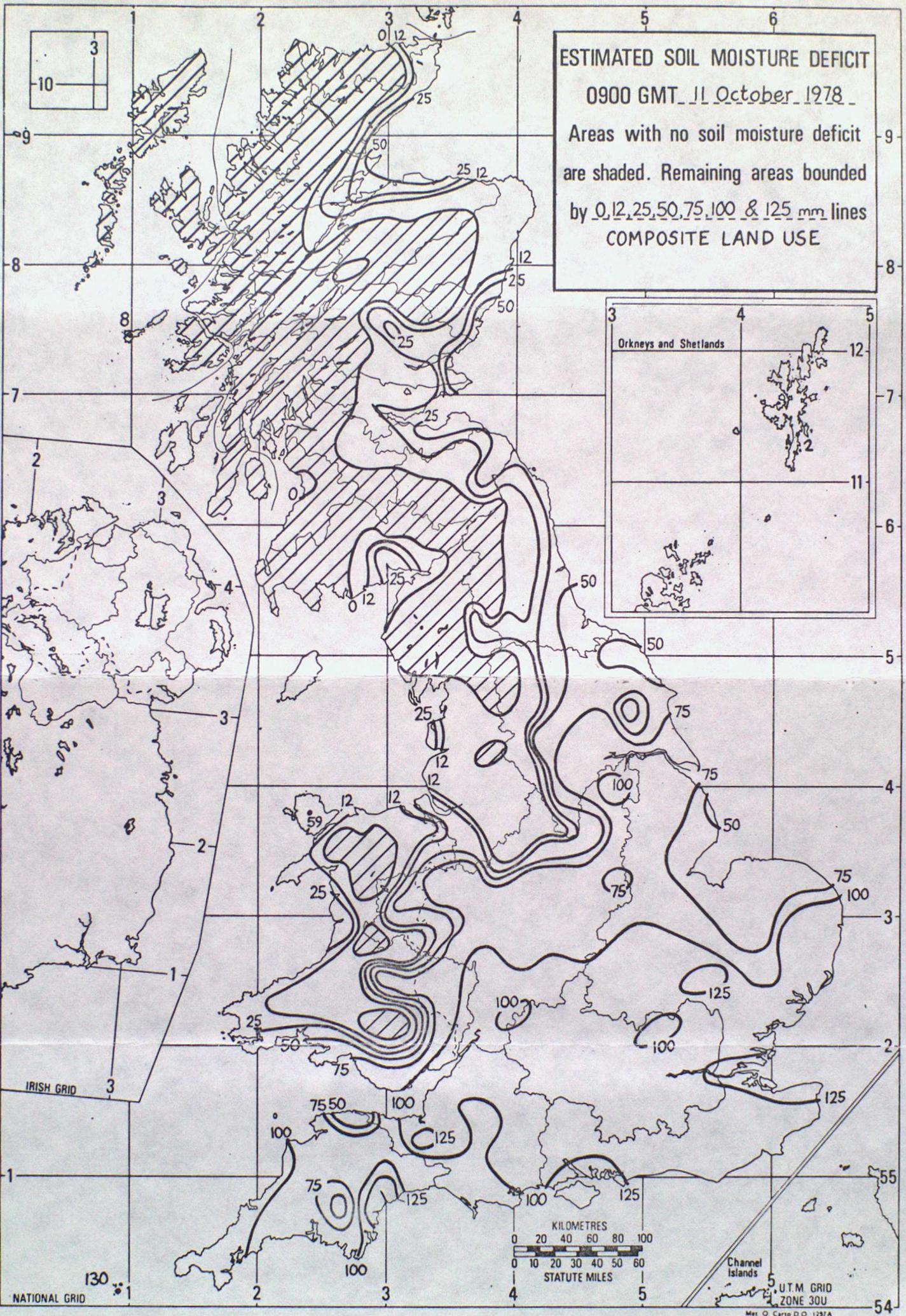
Issued on 12 October 1978

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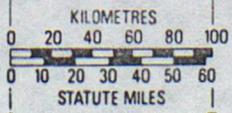
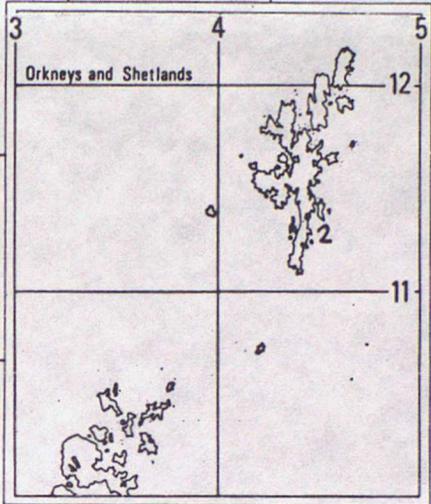
ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.)
AT 09 GMT ON 11 OCT 1978

River Area	Estimated Areal	Change during the week ending 09 GMT on	
	S.M.D. mm	11 OCT 78 mm	4 OCT 78 mm
Northumbrian	25.7	- 3.0	- 10.5
Yorkshire	55.3	+ 4.7	- 13.2
Trent	64.6	+ 2.5	- 13.1
Lincolnshire	78.8	+ 6.9	- 11.1
Welland and Nene	91.9	+ 6.1	- 9.1
Great Ouse	97.9	+ 6.1	- 7.9
Norfolk and Suffolk	85.3	+ 4.1	- 11.2
Essex	118.4	+ 2.5	- 3.6
Lee Division	110.7	+ 1.5	- 2.7
Thames Conservancy	111.9	+13.8	- 1.7
London Area	115.1	- 3.2	- 0.7
Kent	115.0	+ 2.1	- 3.6
Sussex	111.1	+ 2.7	- 1.0
Hampshire	94.6	+ 2.6	- 0.6
Isle of Wight	128.2	+ 2.1	- 0.9
Upper Thames	105.5	+ 2.6	- 0.7
Avon and Dorset	102.5	+ 2.6	+ 0.4
Devon	91.0	- 1.4	- 2.4
Cornwall	89.6	+ 0.9	- 6.1
Somerset	93.7	+ 0.3	- 1.4
Bristol Avon	109.1	+ 1.5	- 0.2
Severn	74.2	+ 2.7	- 9.0
Wye	89.0	+ 2.5	- 10.9
Usk	74.4	+ 2.4	- 9.9
Glamorgan	55.1	+ 2.1	- 10.0
South West Wales	24.2	- 4.1	- 17.6
Gwynedd	18.5	-12.8	- 15.0
Dee and Clwyd	10.7	-16.4	- 14.2
Mersey and Weaver	11.0	- 2.3	- 17.5
Lancashire	5.6	+ 0.6	- 11.3
Cumbria	8.4	- 1.4	- 9.2

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

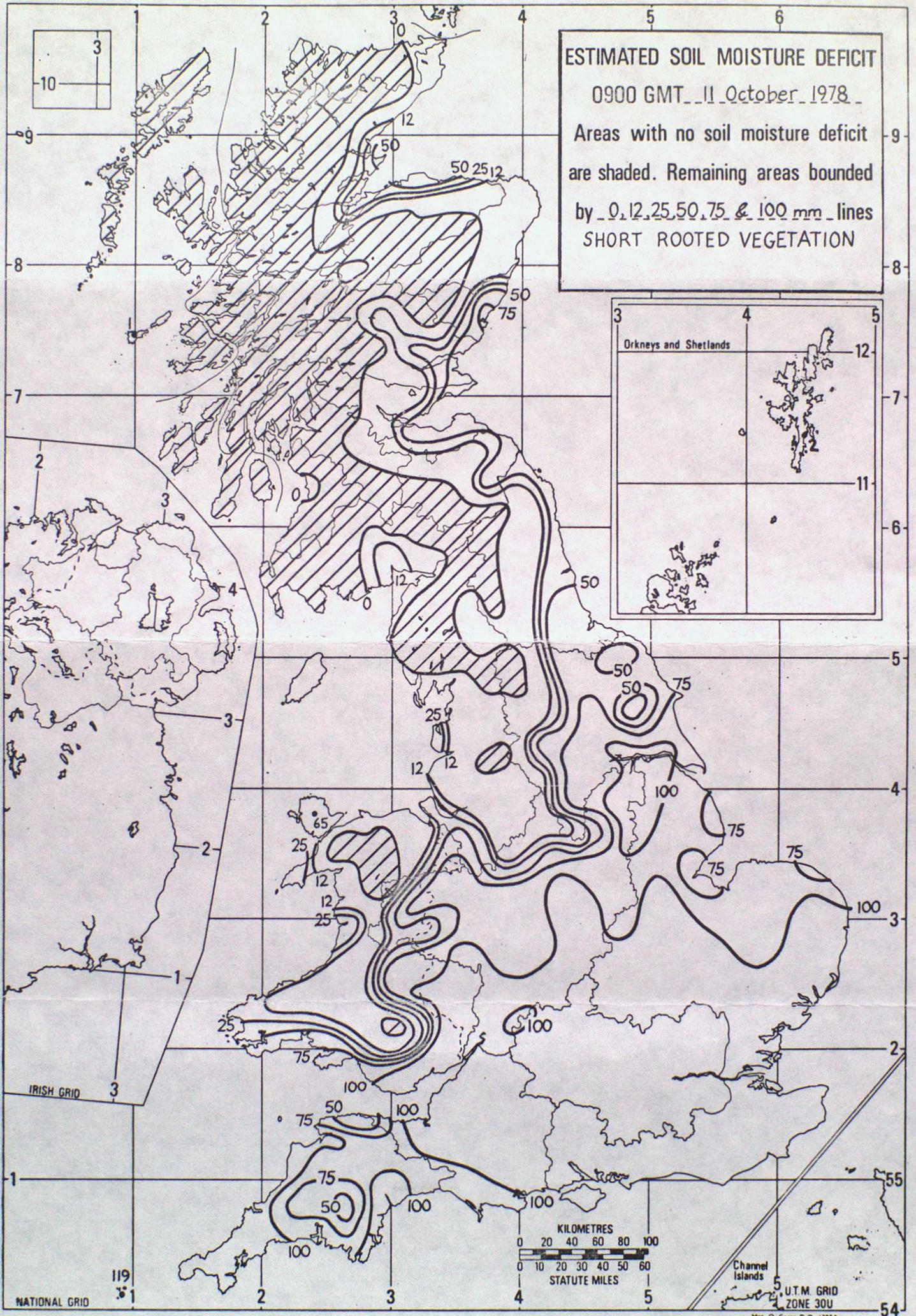


ESTIMATED SOIL MOISTURE DEFICIT
 0900 GMT 11 October 1978
 Areas with no soil moisture deficit
 are shaded. Remaining areas bounded
 by 0, 12, 25, 50, 75, 100 & 125 mm lines
 COMPOSITE LAND USE

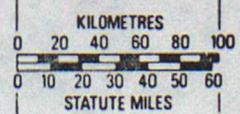
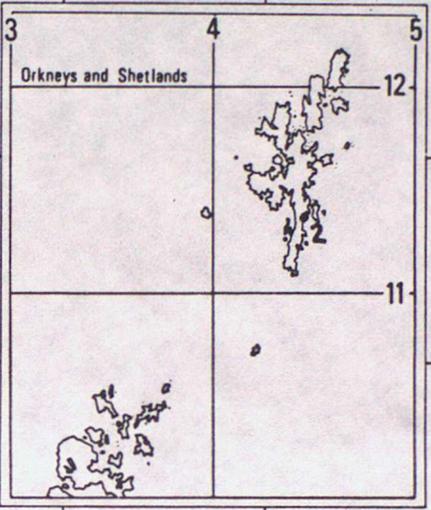


Channel Islands
 U.T.M. GRID
 ZONE 30U
 Mer O. Crisp O.O. 1287A

IRISH GRID
 NATIONAL GRID
 130



ESTIMATED SOIL MOISTURE DEFICIT
 0900 GMT 11 October 1978
 Areas with no soil moisture deficit
 are shaded. Remaining areas bounded
 by 0, 12, 25, 50, 75 & 100 mm lines
 SHORT ROOTED VEGETATION



IRISH GRID

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