Institute of Hydrology Report N	nectares in area, the perminent o. 124:	ssible outflow is calcu	lated using the esti	mation method contained in the
	Ç	BAR = 0.00108 x (A)	AREA) ^{0.89} (SAAR)	^{1.17} (SOIL) ^{2.17}
	ч	where QBAR (m ³ /s) is t	he mean annual pe	ak flow.
AREA = Area of Catchment	$= 5.201 \text{ m}^2 = 5.201 \text{ x} 10^{-6}$	km ²		
SAAR = Annual Average Rain SOIL = Soil Index with values A site investigation was carried moderately permeable subsoil, r Drainage of unoff from Natural	fall = 785mm for Oakpar in the range 0.15 (very lo to determine the soil type ef. Transport Infrastructur Castchments (including A	k, Carlow = 864mm al w runoff) - 0.5 (very hi , and a value of 0.4 has re Ireland: .mendments No.1 dated	lowing +10% chim igh runoff). 5 been taken for this d June 2015)	ate change
Using the values above in the Q	BAR formula, QBAF	rural =	0.0037 m ³ /s	(or 3.7 lt/sec)