

Work Sheet to Determine Peak Flow Rate from an Agricultural Watershed

Watershed characteri	stics		
1. Watershed size		ha	ac
2. Watershed length		m	ft
3. Elevation difference	over length of watershed	m	ft
	renceft ÷ Watershed leng		m ft %
5. Hydrologic soil grou Drainage Guide for	p from Table 2.2 or OMAFRA Publi Ontario	cation 29,	
6. Hydrologic conditio	n from Table 2.3		
7. Runoff curve number	er from Table 2.4		
2.11-M (2.5-I to 2.11-I	riate peak flow chart based on rund). Read acreage across the top of that ak flow rates for the appropriate re	ne figure and average g	rade along the
Storm Return Period			
2 years	Flow Rate (m³/s)	Flow Rate (ft ³ /s)	
5 years	Flow Rate (m ³ /s)	Flow Rate (ft ³ /s)	
10 years	Flow Rate (m ³ /s)		
25 years	Flow Rate (m ³ /s)	Flow Rate (ft ³ /s)	
Use the appropriate p	eak flows to design various structu	res as outlined in Section	on 4 in
Publication 832.			