
ISIS

HYDROLOGICAL DATA

Catchment: 1

Catchment Characteristics

Easting	:	458350	Northing	:	221850
Area	:	3.450	km ²		
DPLBAR	:	2.390	km		
DPSBAR	:	12.200	m/km		
PROPWET	:	0.320			
SAAR	:	624.000	mm		
Urban Extent	:	0.157			
C	:	-0.022			
d1	:	0.321			
d2	:	0.324			
d3	:	0.251			
e	:	0.290			
f	:	2.467			
SPR	:	9.500	%		

Summary of estimate using Flood Estimation Handbook rainfall-runoff method

Estimation of T-year flood

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Unit hydrograph time to peak	:	3.555	hours
Instantaneous UH time to peak	:	3.055	hours
Data interval	:	1.000	hours
Design storm duration	:	5.900	hours
Critical storm duration	:	5.773	hours
Flood return period (not used)	:	100.000	years
Rainfall return period	:	100.000	years
ARF	:	0.969	
Design storm depth	:	64.024	mm
CWI	:	90.320	
Standard Percentage Runoff	:	9.500	%
Percentage runoff	:	11.272	%
snowmelt rate	:	0.000	mm/day
Unit hydrograph peak	:	0.214	(m ³ /s/mm)
Quick response hydrograph peak	:	1.268	m ³ /s
Baseflow	:	0.025	m ³ /s
Baseflow adjustment	:	0.000	m ³ /s
Hydrograph peak	:	1.294	m ³ /s
Hydrograph adjustment factor	:	1.000	

Flags

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Unit hydrograph flag	:	FSRUH
Tp flag	:	FEHTP
Event rainfall flag	:	FEHER
Rainfall profile flag	:	SUMRP
Percentage Runoff flag	:	FEHPR
Baseflow flag	:	F16BF