

10.3 Symbols And Definitions

To provide consistency within this chapter as well as throughout this manual, the following symbols will be used. These symbols were selected because of their wide use in technical publications. In some cases the same symbol is used in existing publications for more than one definition. Where this occurs in this chapter, the symbol will be defined where it occurs in the text or equations.

Table 10-1 Symbols And Definitions

<u>Symbol</u>	<u>Definition</u>	<u>Units</u>
A	Cross sectional or surface area	m ² (ft ²)
C	Weir coefficient	—
d	Change in elevation	m (ft)
D	Depth of basin or diameter of pipe	m (ft)
f	Infiltration rate	mm/h (in/h)
g	Acceleration due to gravity	m/s ² (ft/s ²)
H	Head on structure	m (ft)
H _c	Height of weir crest above channel bottom	m (ft)
I	Infiltration rate	mm/h (in/h)
I	Inflow rate	m ³ /s (cfs)
L	Length	m (ft)
Q, Q _o	Flow or outflow rate	m ³ /s (cfs)
S, V _s	Storage volume	m ³ , ha-m (ft ³ , acre-ft)
t	Routing time period	s
t _b	Time base on hydrograph	h
t _i	Duration of basin inflow	h
t _p	Time to peak	h
V _s , S	Storage volume	m ³ (acre ft)
W	Width of basin	m (ft)
z	Side slope factor	—