

CHAPTER 6

STORAGE FACILITIES

6.2 Symbols And Definitions

To provide consistency within this chapter as well as throughout this manual, the following symbols presented in Table 6.2-1 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 6.2-1 Symbols And Definitions

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

END OF SECTION 6.2