

## **Appendix 3-A**

### **Symbols and Acronyms**

### Chapter 3 Symbols

<u>Symbol</u>	<u>Definitions</u>	<u>Units</u>
A	Drainage Area	acres or sf
AMC	Antecedent Moisture Condition	-
C	Runoff Coefficient	-
CN	SCS - Runoff Curve Number	-
D	Depth of Water	ft.
ET	Evapotranspiration	in./mo
F	Continuing Abstraction Capacity of Soil	in.
GWI	Groundwater Inflow	cf/d
GWO	Groundwater Outflow	cf/d
I	Rainfall Intensity (Section 7.4)	in./hr. or cf/d
I	Heat Index (Appendix 7-E)	-
Ia	Initial Abstraction from Total Rainfall	in.
K	Flow Type Coefficient (Section 7.4)	-
K	Hydraulic Conductivity or Permeability (Appendix 7-E)	ft./d
L	Length	ft.
n	Manning Roughness Coefficient	-
O	Outflow per unit time	cfs/s
P	Accumulated Rainfall, Total Precipitation	in. or cf
PET	Potential Evapotranspiration	in./mo
Q	Rate of Runoff	cfs
q	Volumetric Groundwater Flow Rate, Discharge	cfs/ft.
R	Retention Time	days
RCN	Runoff Curve Number	-
RI	Recurrence Interval	-
S	Potential Maximum Retention	in.
SRH	Surface Runoff Hydrograph	-
SRO	Surface Runoff	in.

<b><u>Symbol</u></b>	<b><u>Definitions</u></b>	<b><u>Units</u></b>
SWI	Surface Water Inflow	cf/d
SWO	Surface Water Outflow	cf/d
T	Time Period	days
t	Time	s
T <sub>a</sub>	Mean Monthly Air Temperature	degrees C
T <sub>c</sub>	Time of Concentration	hr., min.
UH	Unit Hydrograph	-
V	Velocity (Section 7.4)	fps
V	Volume (Appendix 7-E)	cf or acre-ft.

## Acronyms

AASHTO	American Association of State Highway Transportation Officials
FAPG	Federal Aid Policy Guide
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
MDEQ	Michigan Department of Environmental Quality
MDOT	Michigan Department of Transportation
NCDC	National Climatic Data Center
NRCS	Natural Resources Conservation Service
SCS	Soil Conservation Service, now known as NRCS
USGS	United States Geological Survey