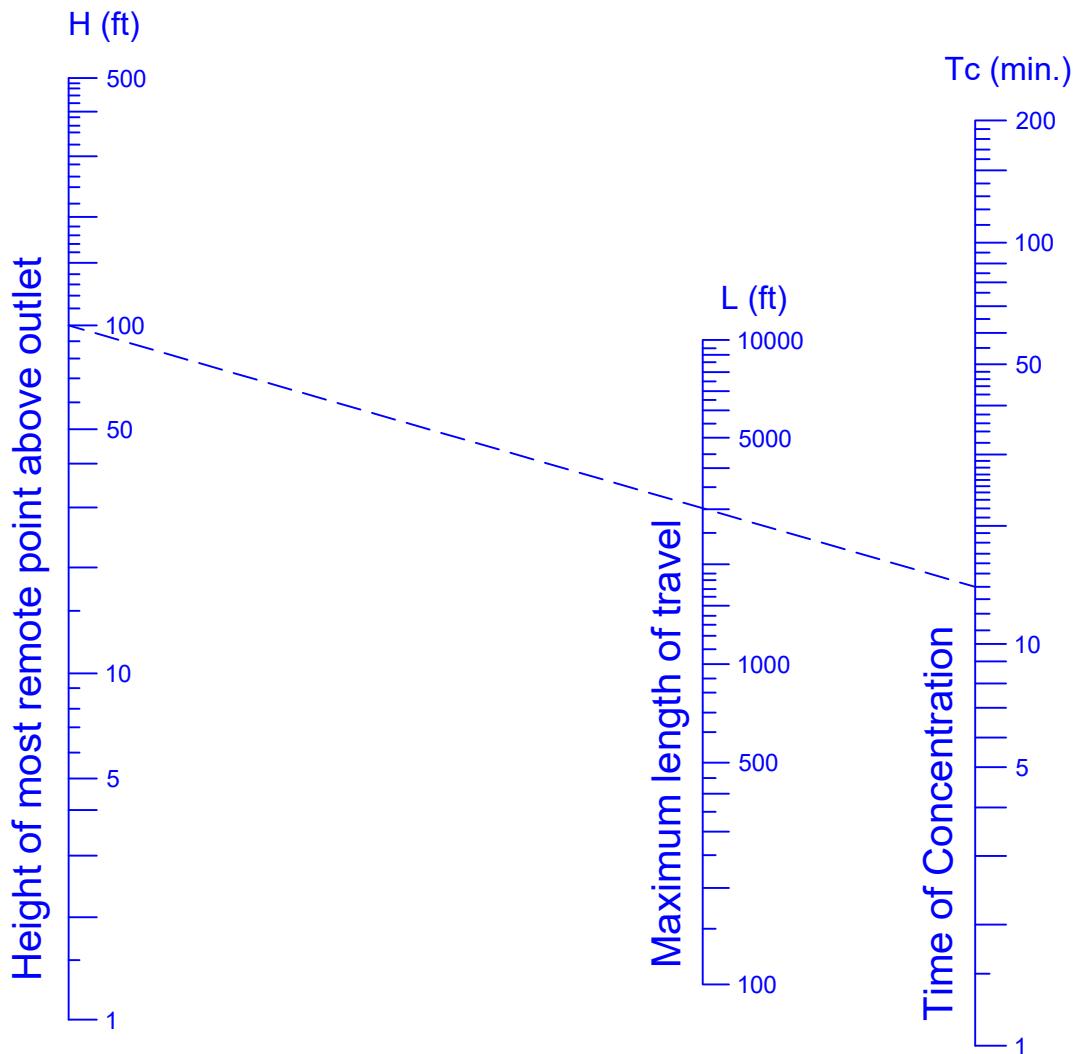


# A1 TIME OF CONCENTRATION



**Note:**

Use nomograph Tc for natural basins with well-defined channels, for overland flow on bare earth, and for mowed-grass roadside channels.

For overland flow, grassed surfaces, multiply Tc by 2.

For overland flow, concrete or asphalt surfaces, multiply Tc by 0.4.

For concrete channels, multiply Tc by 0.2.

Adapted from NCDENR Erosion and Sedimentation Planning and Design Manual