UNIT VI

DITCH COMPS

INTRODUCTION

A plan reviewer needs experience manipulating the Manning's Equation and the Continuity Equation in order to become proficient at verifying the capacity and erodibility of ditchlines. Appendix A provides several examples of ditch computations to help make reviewers comfortable with using these equations.

Proficiency in using the Manning's Equation is especially important because it is used to calculate the travel time for the channel flow portion of the time of concentration (for more information on time of concentration, refer to Unit VII). The time of concentration, in turn, is used to calculate peak discharge using the rational and graphical peak discharge methods (Unit VIII and Unit IX, respectively).