As an introduction to the SWAT model, complete SWAT exercise #1.

Required:

1. What is the purpose of a “mask” in the watershed delineation process?
2. What is the total area of the watershed in km$^2$?
3. For year 1977, what is:
   a. Total rainfall (PREC) in mm?
   b. Total surface runoff (SURQ) in mm?
   c. Runoff to rainfall ratio in %?
   d. Runoff volume in gallons?
   e. Runoff volume in ac-ft?
4. For year 1978, what is:
   a. Total rainfall (PREC) in mm?
   b. Total surface runoff (SURQ) in mm?
   c. Runoff to rainfall ratio in %?
   d. Runoff volume in gallons?
   e. Runoff volume in ac-ft?