



For drainage areas between 1 and 20 square miles, the following equation should be used to estimate the provisional peak discharge:

$$Q_t = \frac{(A - 1) Q_t \text{ Curve 1} + (20 - A) Q_t \text{ SCS Curve}}{19}$$

where SCS Curve applies to drainage areas of 1.0 square mile or less and is a function of the percentage of the area which is urbanized.

State of Indiana  
 DEPARTMENT OF NATURAL RESOURCES  
 Division of Water

**Coordinated Discharge Graph**

**UNGAGED STREAMS IN THE**  
**CARMEL - CLAY & WESTFIELD FIS**  
**25 YEAR**

January 1977