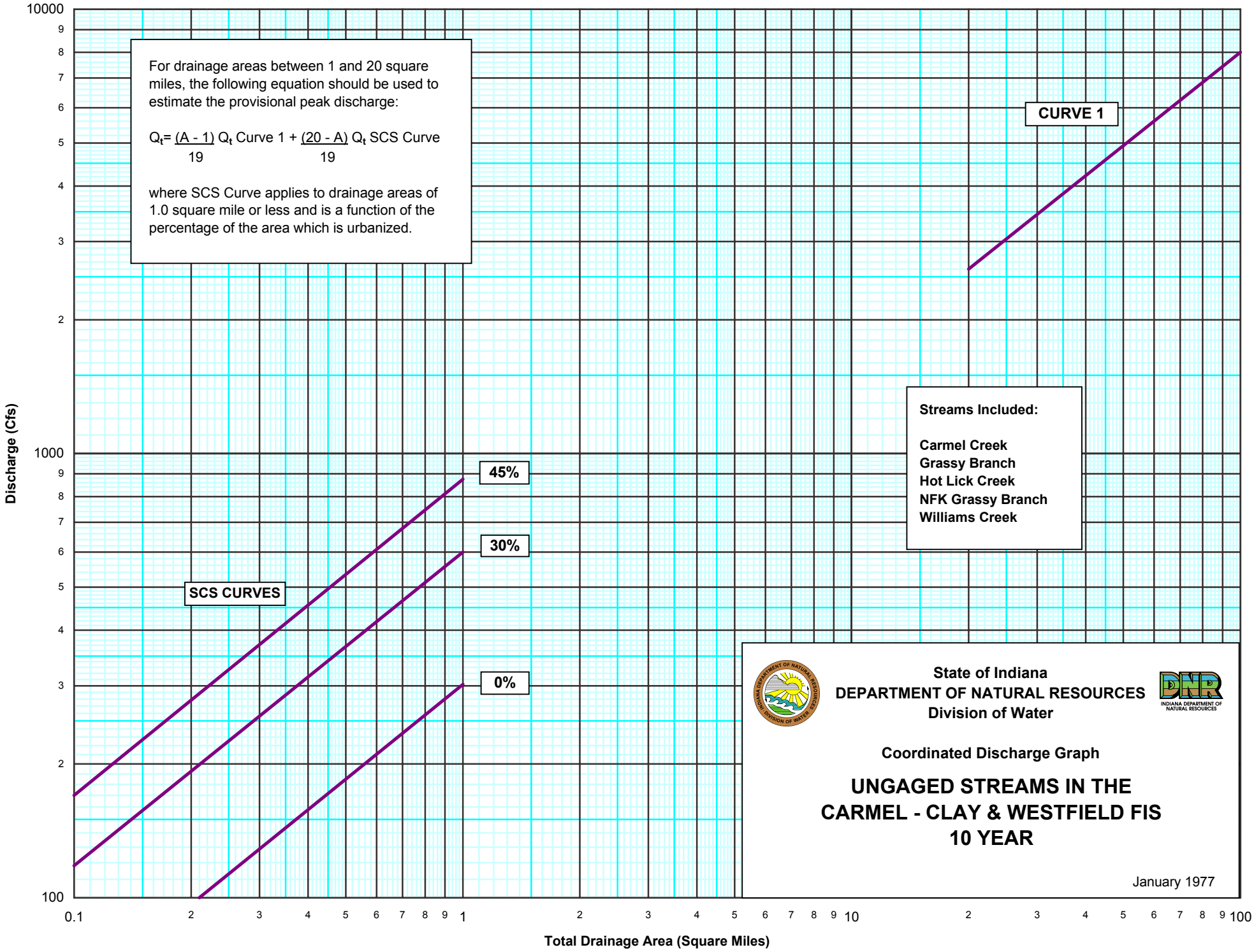
For drainage areas between 1 and 20 square miles, the following equation should be used to estimate the provisional peak discharge:
$Q_t = \frac{(A - 1)}{19} Q_t$ Curve 1 + $\frac{(20 - A)}{19} Q_t$ SCS Curve
where SCS Curve applies to drainage areas of 1.0 square mile or less and is a function of the percentage of the area which is urbanized.
CURVE 1
Streams Included:
Carmel Creek
Grassy Branch
Hot Lick Creek
NFK Grassy Branch
Williams Creek
45%
30%
0%
SCS CURVES
State of Indiana
DEPARTMENT OF NATURAL RESOURCES
Division of Water
Coordinated Discharge Graph
UNGAGED STREAMS IN THE
CARMEL - CLAY & WESTFIELD FIS
10 YEAR
January 1977
Discharge (Cfs)
Total Drainage Area (Square Miles)
10000
1000
100
0.1
1
10
100