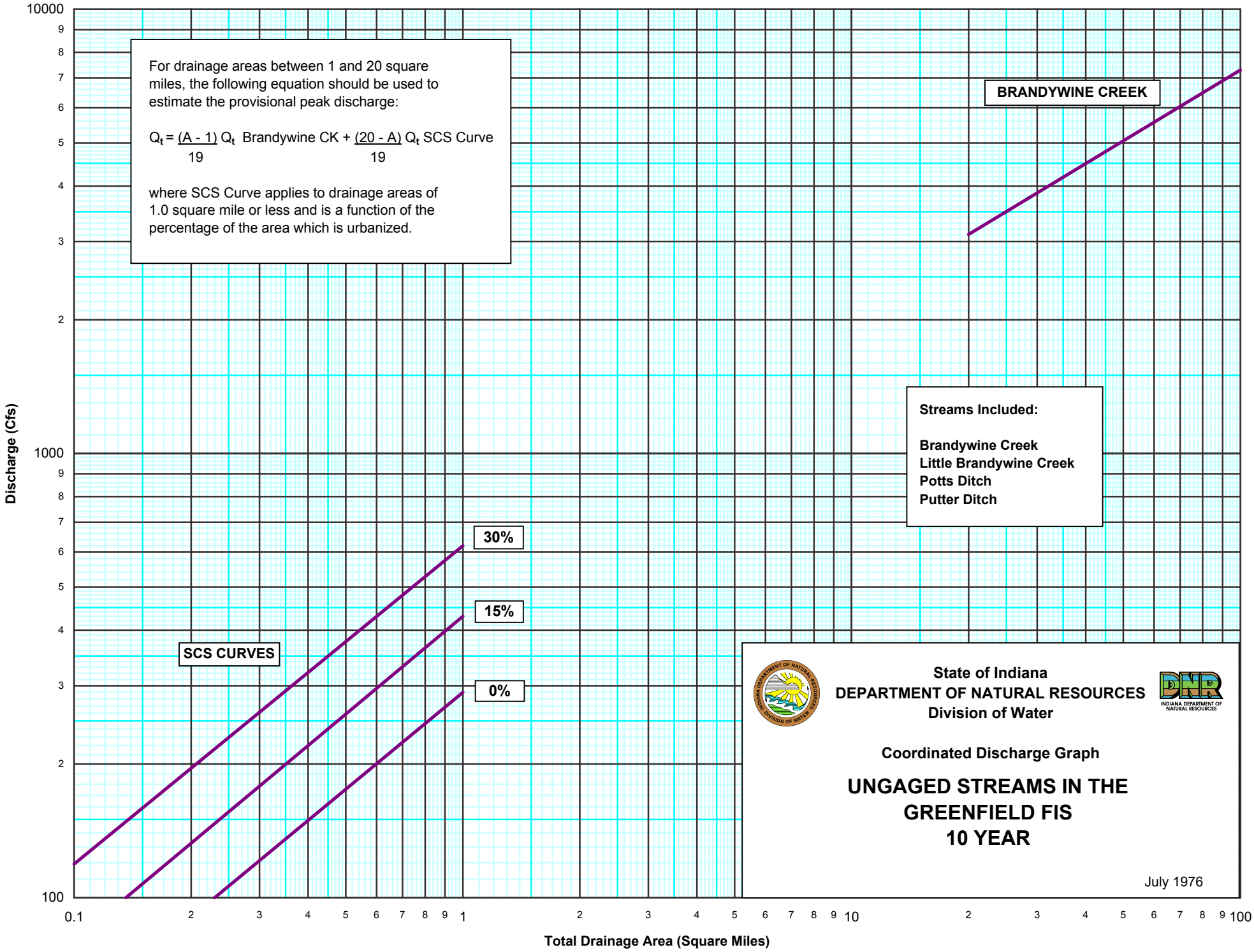
For drainage areas between 1 and 20 square miles, the following equation should be used to estimate the provisional peak discharge:
$Q_t = \frac{(A - 1)}{19} Q_t$ Brandywine CK + $\frac{(20 - A)}{19} Q_t$ SCS Curve
where SCS Curve applies to drainage areas of 1.0 square mile or less and is a function of the percentage of the area which is urbanized.
BRANDYWINE CREEK
Streams Included:
Brandywine Creek
Little Brandywine Creek
Potts Ditch
Putter Ditch
30%
15%
0%
SCS CURVES
State of Indiana
DEPARTMENT OF NATURAL RESOURCES
Division of Water
Coordinated Discharge Graph
UNGAGED STREAMS IN THE GREENFIELD FIS
10 YEAR
July 1976
Discharge (Cfs)
Total Drainage Area (Square Miles)
10000
1000
100
0.1
1
10
100