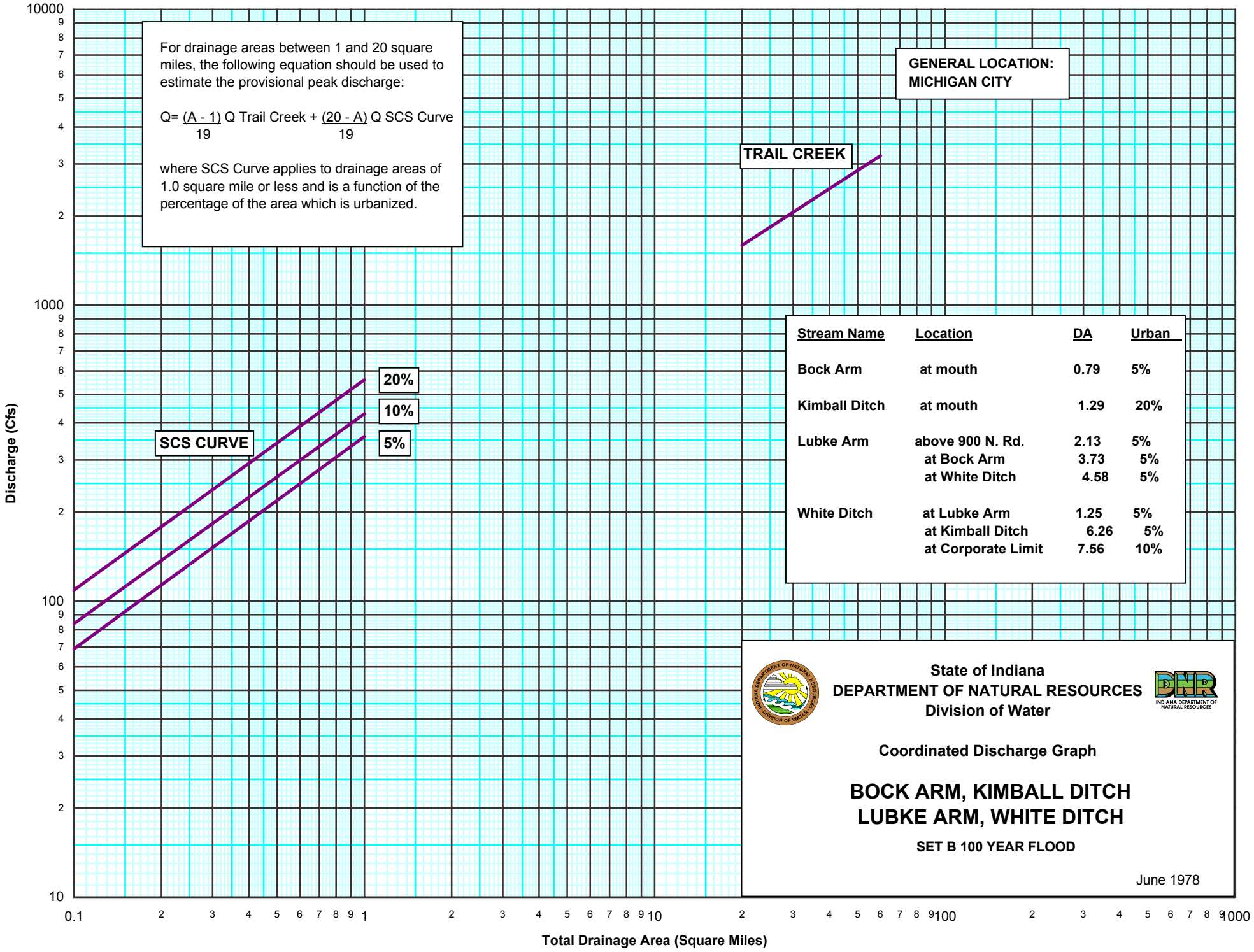
For drainage areas between 1 and 20 square miles, the following equation should be used to estimate the provisional peak discharge:
Q= (A - 1)/19 Q Trail Creek + (20 - A)/19 Q SCS Curve
where SCS Curve applies to drainage areas of 1.0 square mile or less and is a function of the percentage of the area which is urbanized.
GENERAL LOCATION: MICHIGAN CITY
TRAIL CREEK
SCS CURVE
20%
10%
5%
Stream Name | Location | DA | Urban
Bock Arm | at mouth | 0.79 | 5%
Kimball Ditch | at mouth | 1.29 | 20%
Lubke Arm | above 900 N. Rd. | 2.13 | 5%
at Bock Arm | 3.73 | 5%
at White Ditch | 4.58 | 5%
White Ditch | at Lubke Arm | 1.25 | 5%
at Kimball Ditch | 6.26 | 5%
at Corporate Limit | 7.56 | 10%
State of Indiana
DEPARTMENT OF NATURAL RESOURCES
Division of Water
Coordinated Discharge Graph
BOCK ARM, KIMBALL DITCH
LUBKE ARM, WHITE DITCH
SET B 100 YEAR FLOOD
June 1978
Discharge (Cfs)
10000
1000
100
10
0.1
1
10
100
1000
Total Drainage Area (Square Miles)