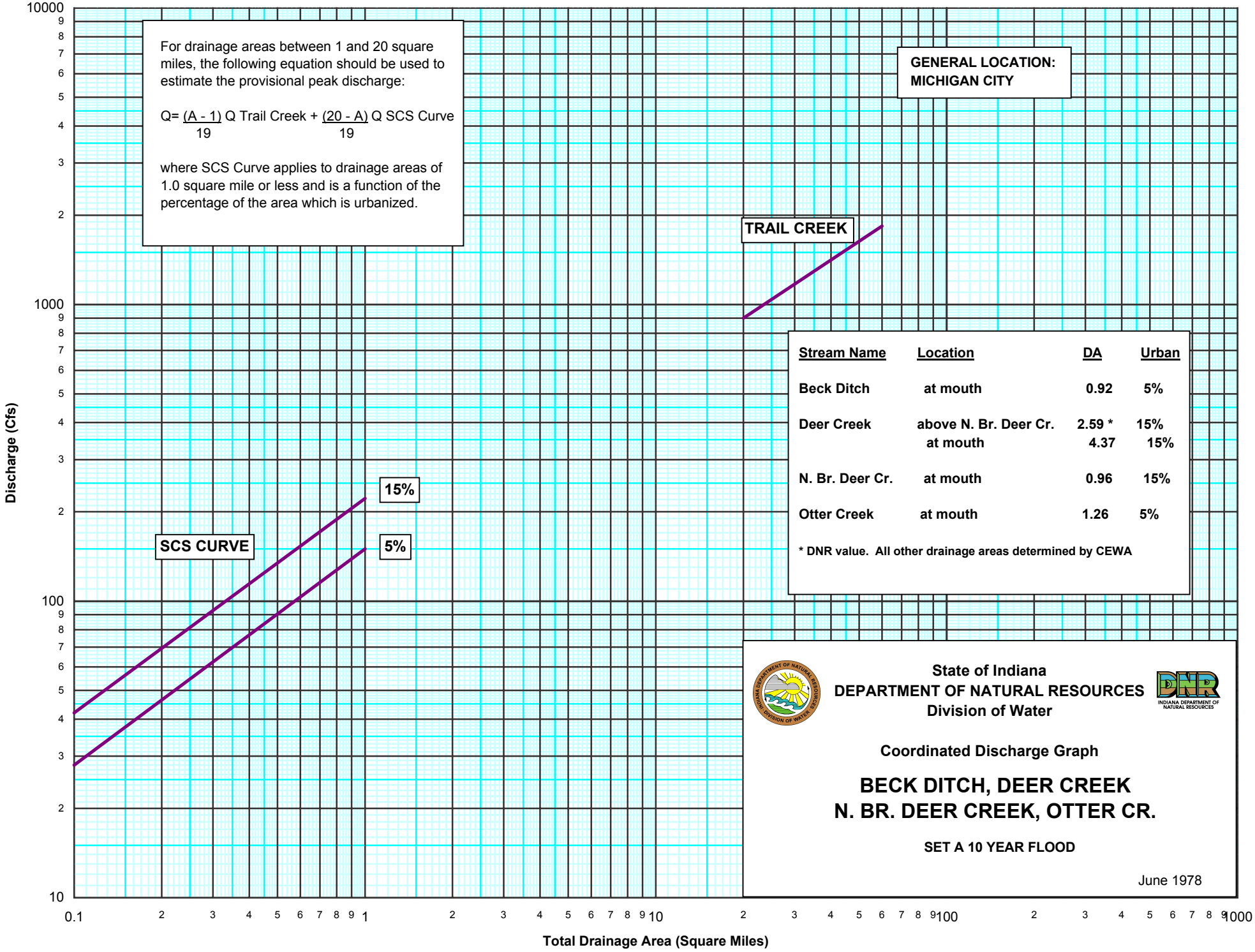
For drainage areas between 1 and 20 square miles, the following equation should be used to estimate the provisional peak discharge:

$$Q = \frac{(A - 1)}{19} Q_{\text{Trail Creek}} + \frac{(20 - A)}{19} Q_{\text{SCS Curve}}$$

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



Stream Name	Location	DA	Urban
Beck Ditch	at mouth	0.92	5%
Deer Creek	above N. Br. Deer Cr.	2.59 *	15%
	at mouth	4.37	15%
N. Br. Deer Cr.	at mouth	0.96	15%
Otter Creek	at mouth	1.26	5%

* DNR value. All other drainage areas determined by CEWA

State of Indiana
DEPARTMENT OF NATURAL RESOURCES
Division of Water

Coordinated Discharge Graph

BECK DITCH, DEER CREEK
N. BR. DEER CREEK, OTTER CR.

SET A 10 YEAR FLOOD

June 1978