FIGURE 4

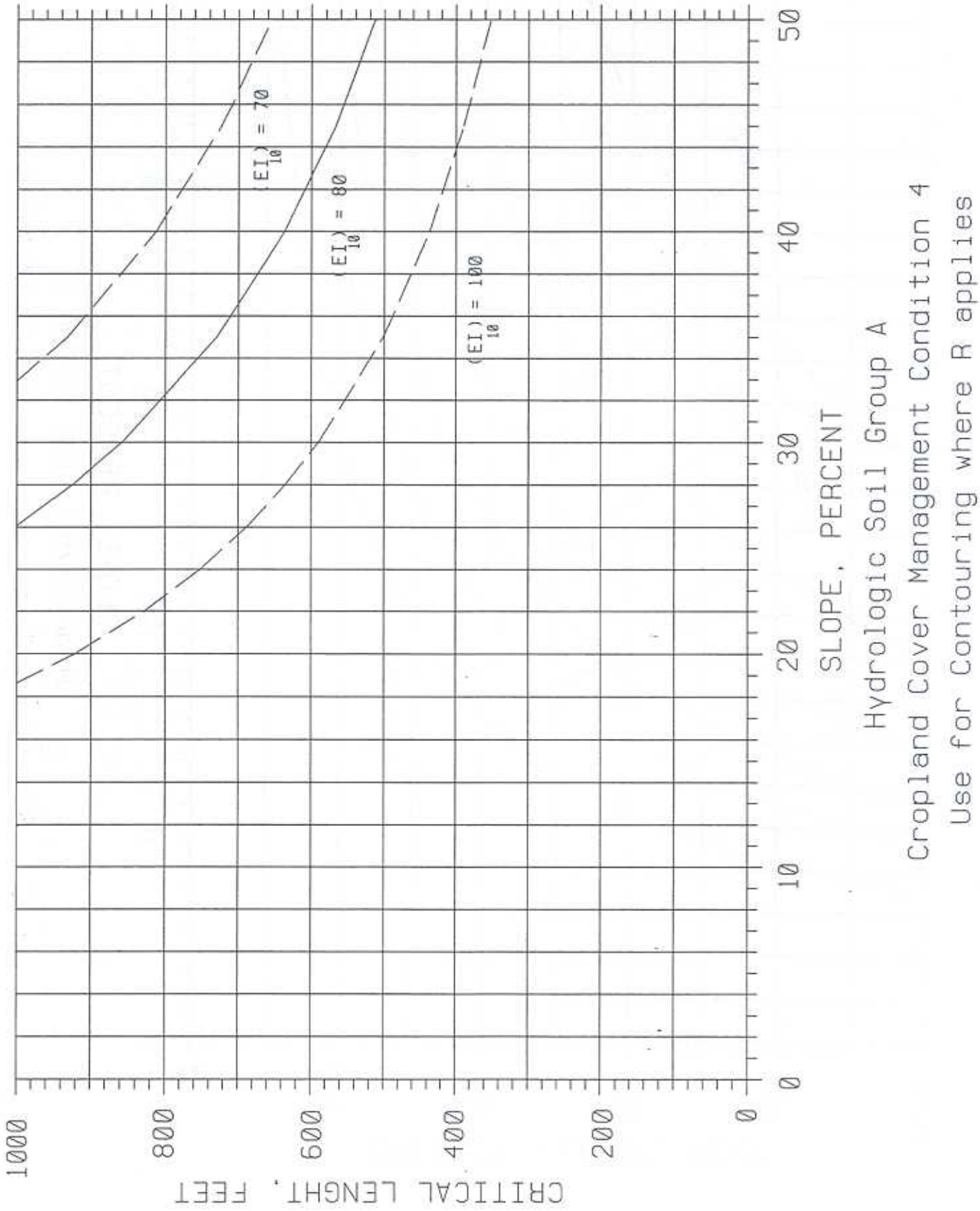

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
$(EI)_{10}$ = 70
$(EI)_{10}$ = 80
$(EI)_{10}$ = 100
Hydrologic Soil Group A
Cropland Cover Management Condition 4
Use for Contouring where R applies

FIGURE 5

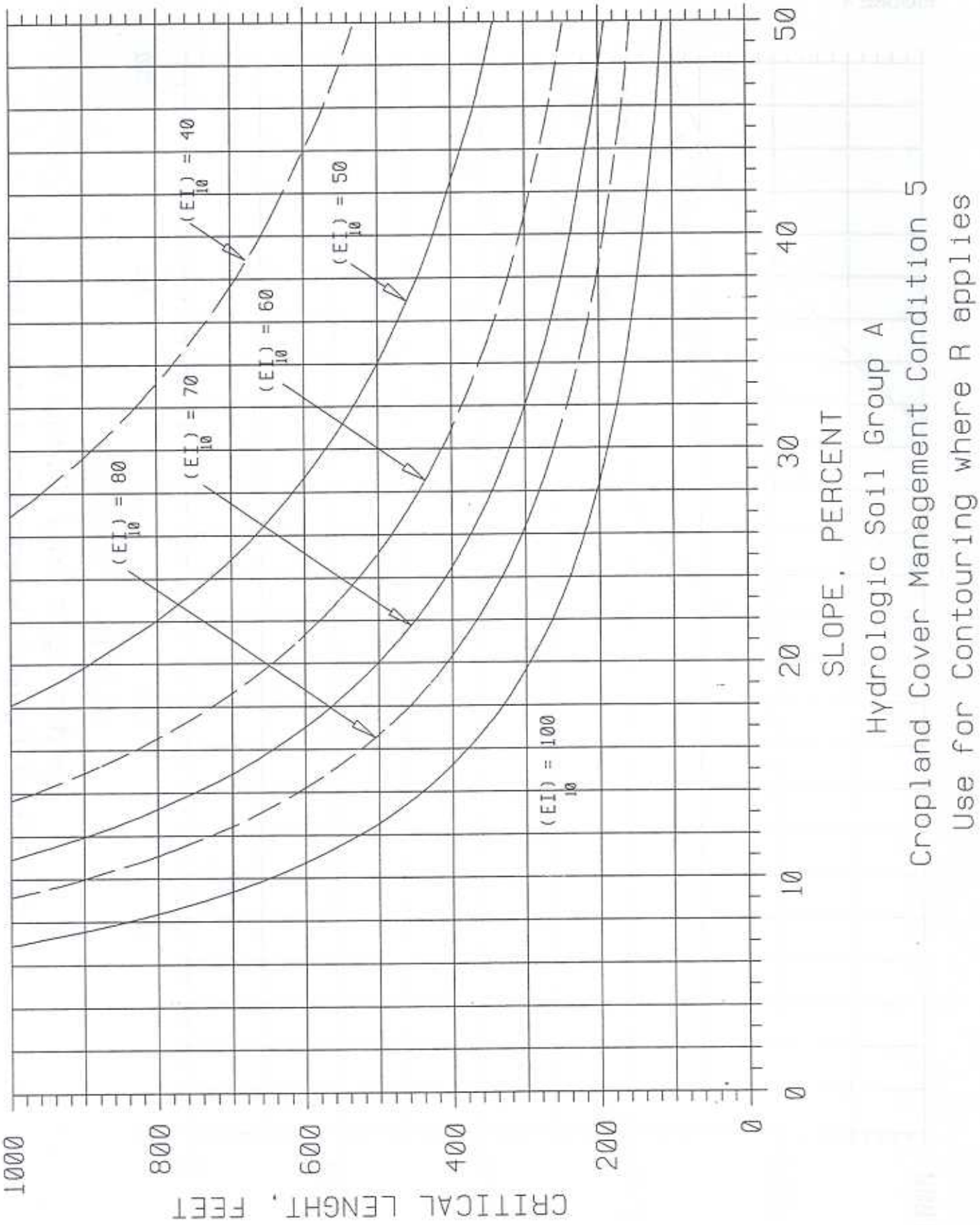

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group A
Cropland Cover Management Condition 5
Use for Contouring where R applies
(EI)10 = 40
(EI)10 = 50
(EI)10 = 60
(EI)10 = 70
(EI)10 = 80
(EI)10 = 100

FIGURE 6

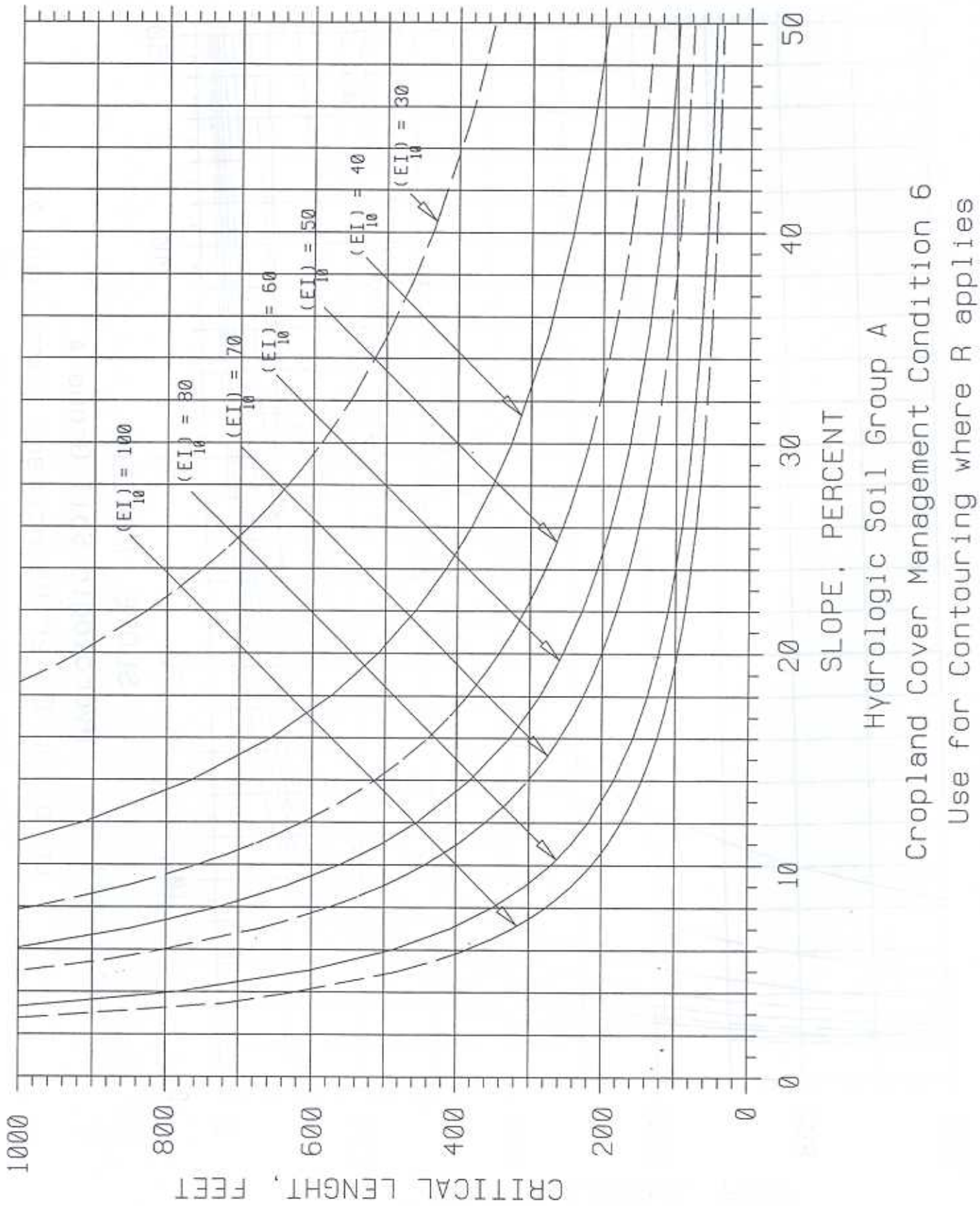

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group A
Cropland Cover Management Condition 6
Use for Contouring where R applies
(EI)10 = 100
(EI)10 = 80
(EI)10 = 70
(EI)10 = 60
(EI)10 = 50
(EI)10 = 40
(EI)10 = 30

FIGURE 7

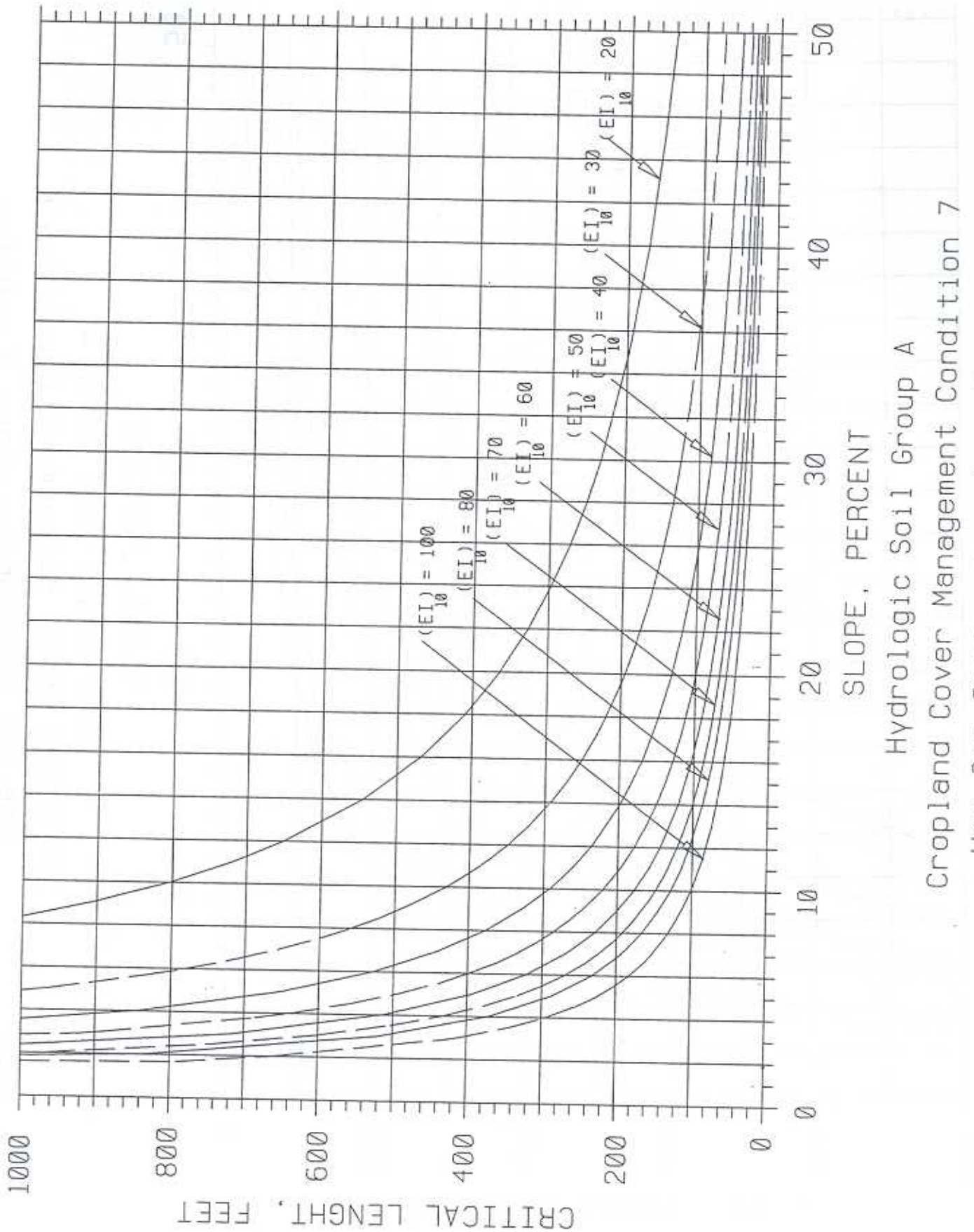

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group A
Cropland Cover Management Condition 7
Use for Contouring where R applies
(EI)10 = 100
(EI)10 = 80
(EI)10 = 70
(EI)10 = 60
(EI)10 = 50
(EI)10 = 40
(EI)10 = 30
(EI)10 = 20

FIGURE 8

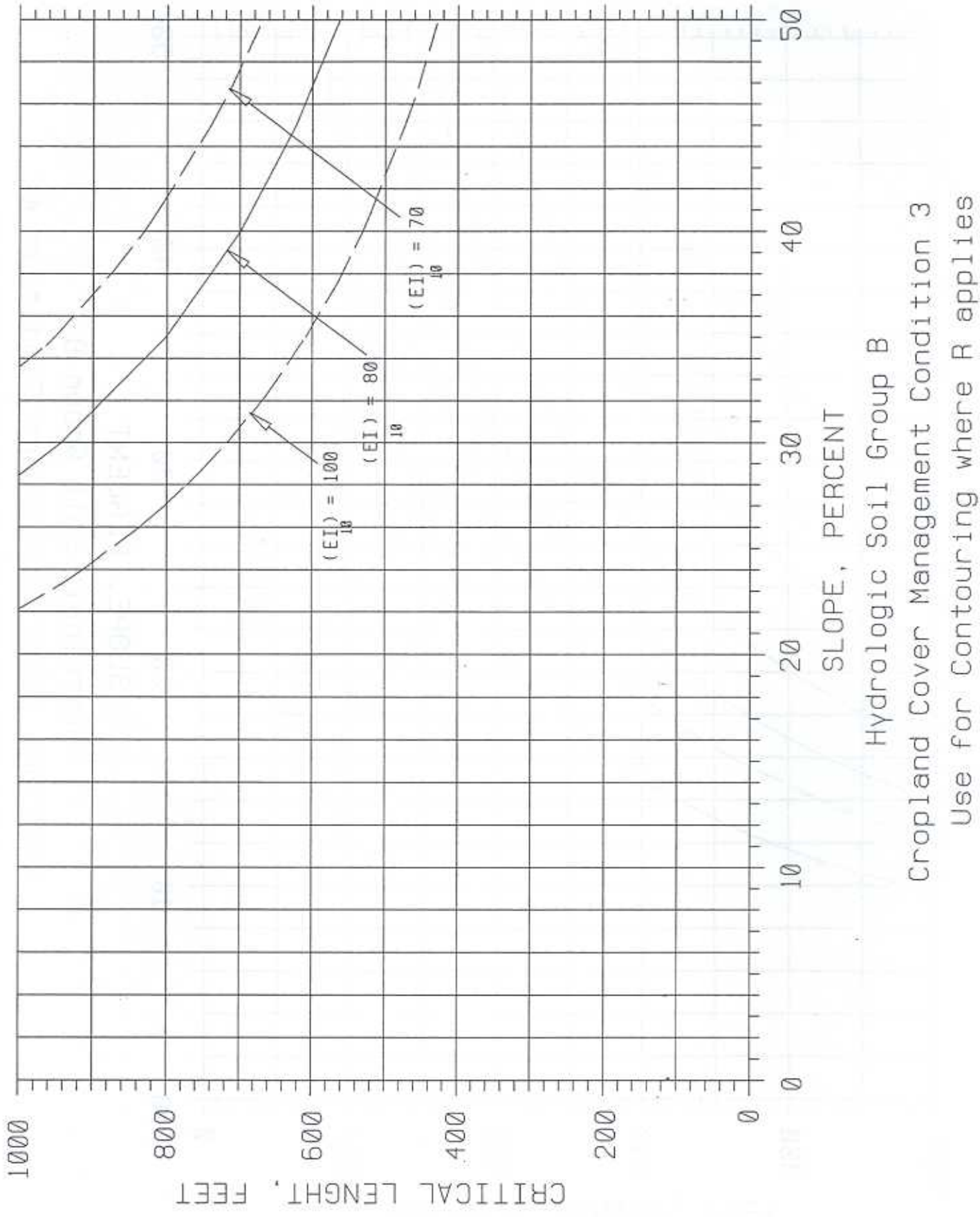

CRITICAL LENGTH, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
(EI) = 100
10
(EI) = 80
10
(EI) = 70
10
Hydrologic Soil Group B
Cropland Cover Management Condition 3
Use for Contouring where R applies

FIGURE 9

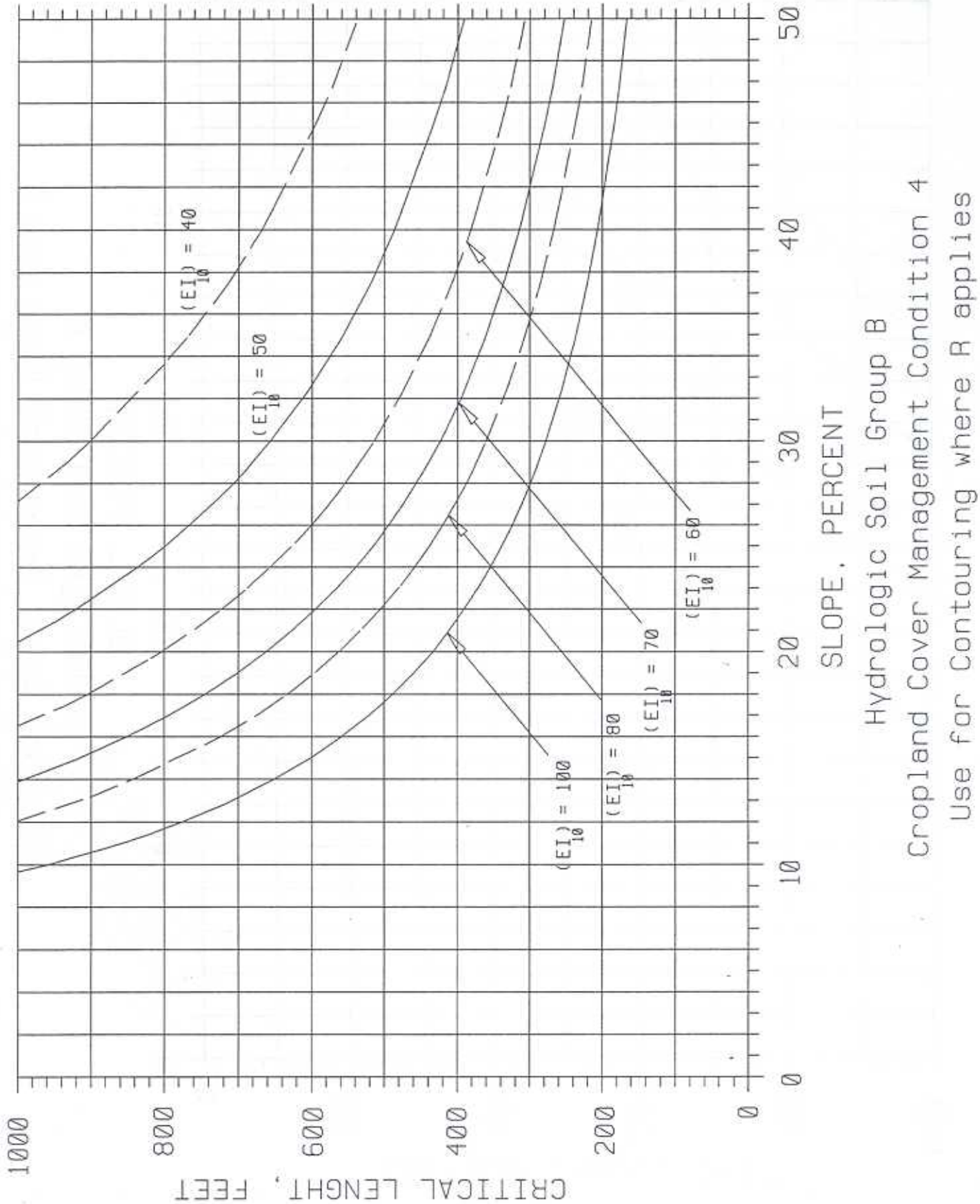

CRITICAL LENGTH, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group B
Cropland Cover Management Condition 4
Use for Contouring where R applies
$(EI)_{10}$ = 40
$(EI)_{10}$ = 50
$(EI)_{10}$ = 60
$(EI)_{10}$ = 70
$(EI)_{10}$ = 80
$(EI)_{10}$ = 100

FIGURE 10

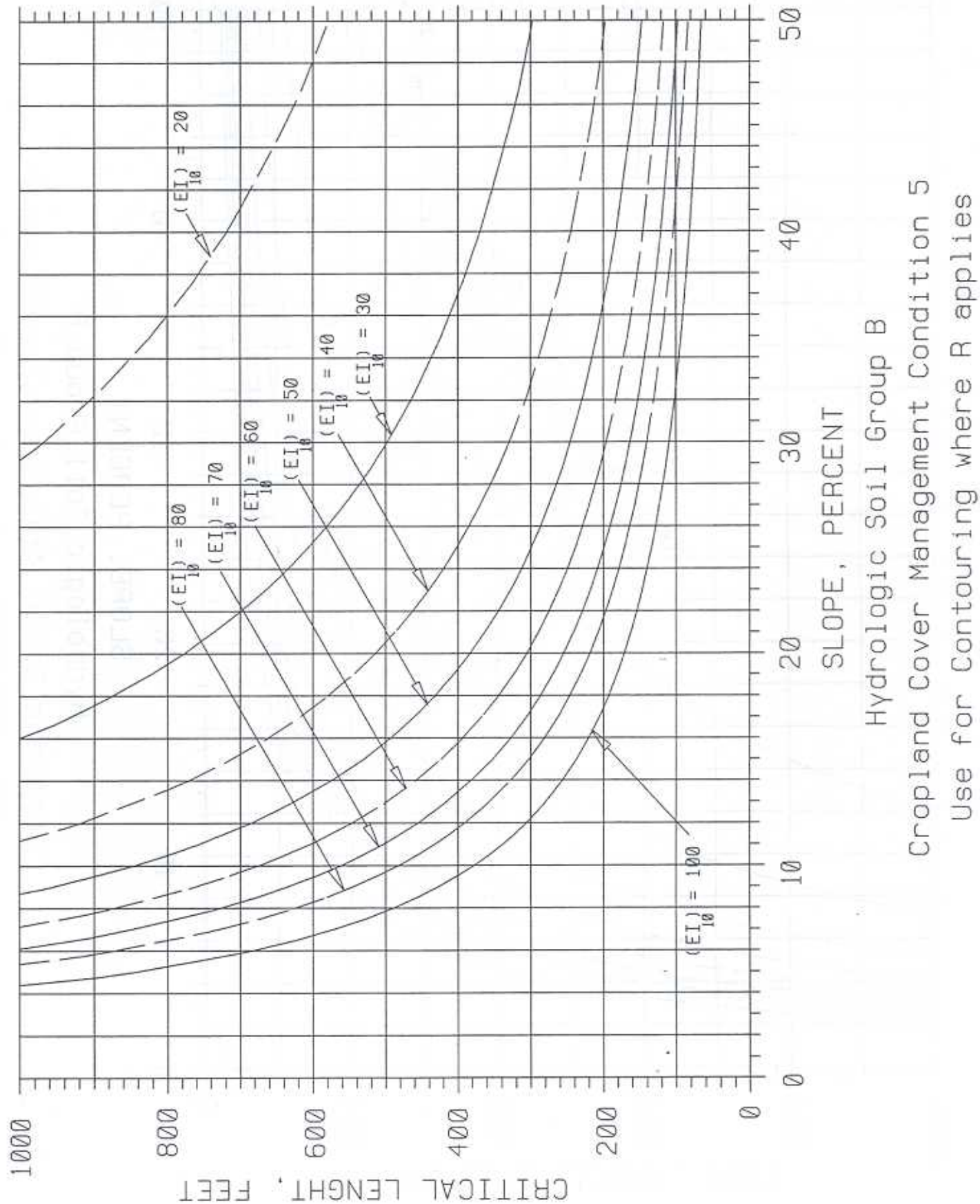

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group B
Cropland Cover Management Condition 5
Use for Contouring where R applies
(EI)10 = 20
(EI)10 = 30
(EI)10 = 40
(EI)10 = 50
(EI)10 = 60
(EI)10 = 70
(EI)10 = 80
(EI)10 = 100

FIGURE 11

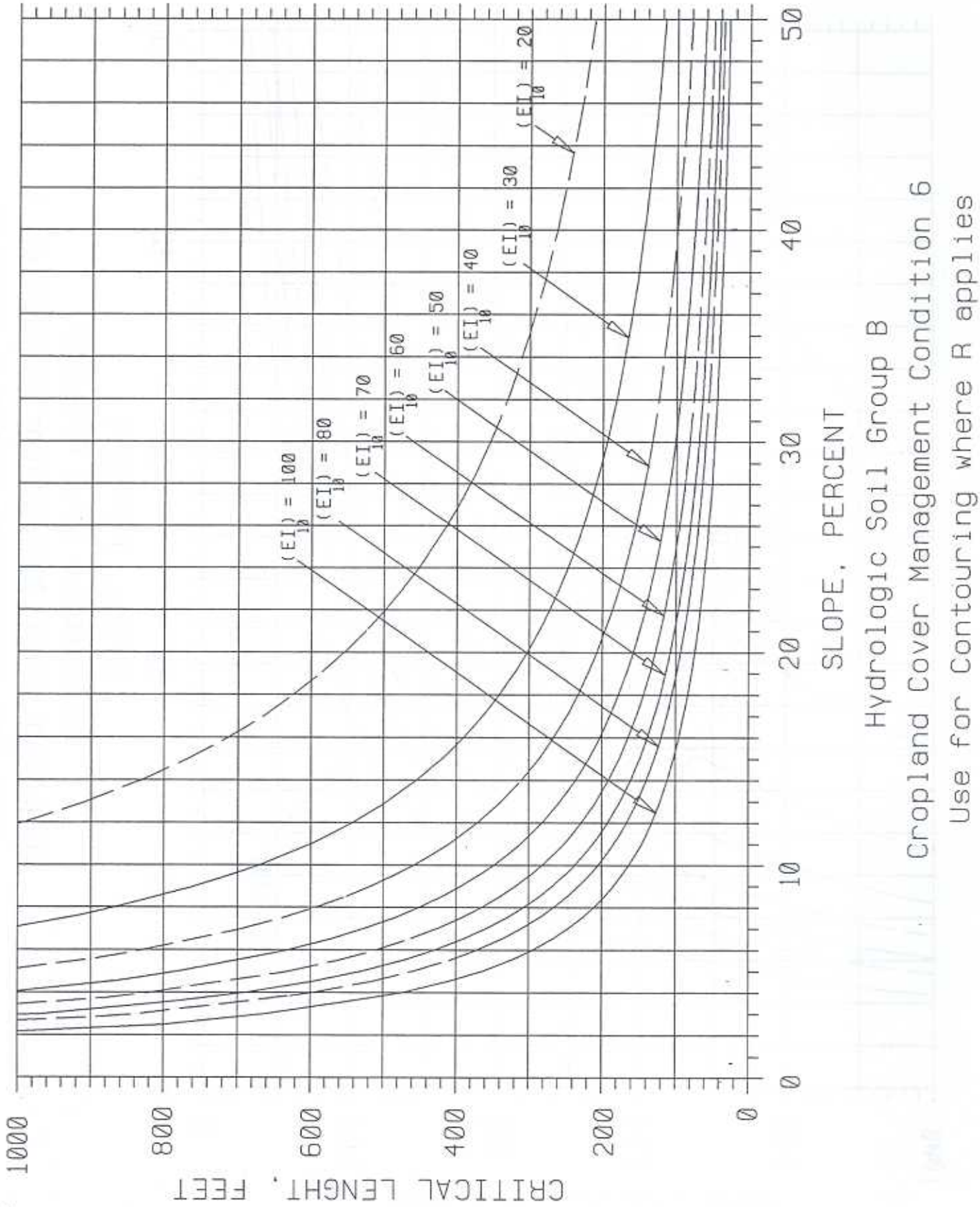

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group B
Cropland Cover Management Condition 6
Use for Contouring where R applies
(EI)10 = 100
(EI)10 = 80
(EI)10 = 70
(EI)10 = 60
(EI)10 = 50
(EI)10 = 40
(EI)10 = 30
(EI)10 = 20

FIGURE 12

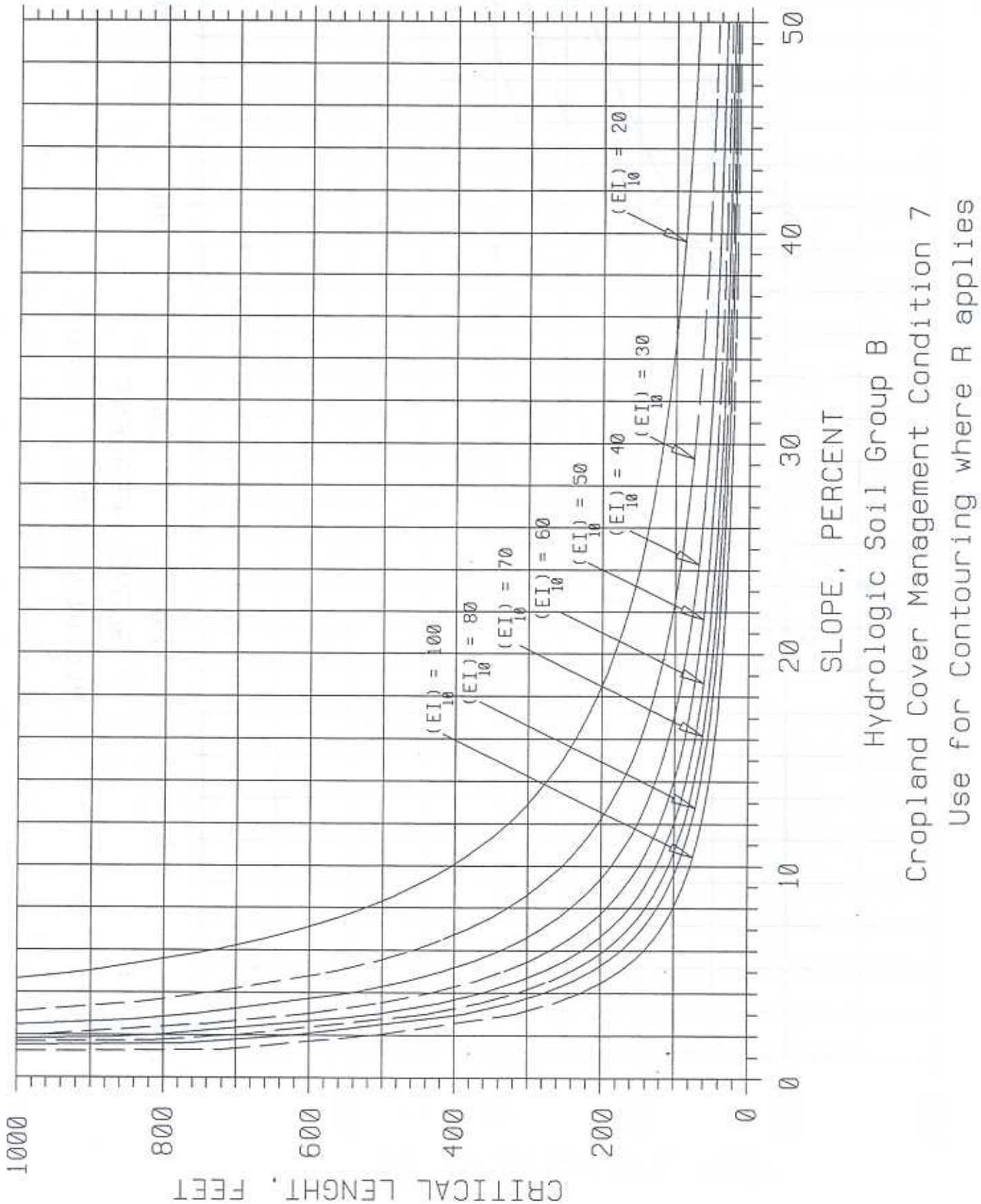

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group B
Cropland Cover Management Condition 7
Use for Contouring where R applies
(EI)10 = 100
(EI)10 = 80
(EI)10 = 70
(EI)10 = 60
(EI)10 = 50
(EI)10 = 40
(EI)10 = 30
(EI)10 = 20

FIGURE 13

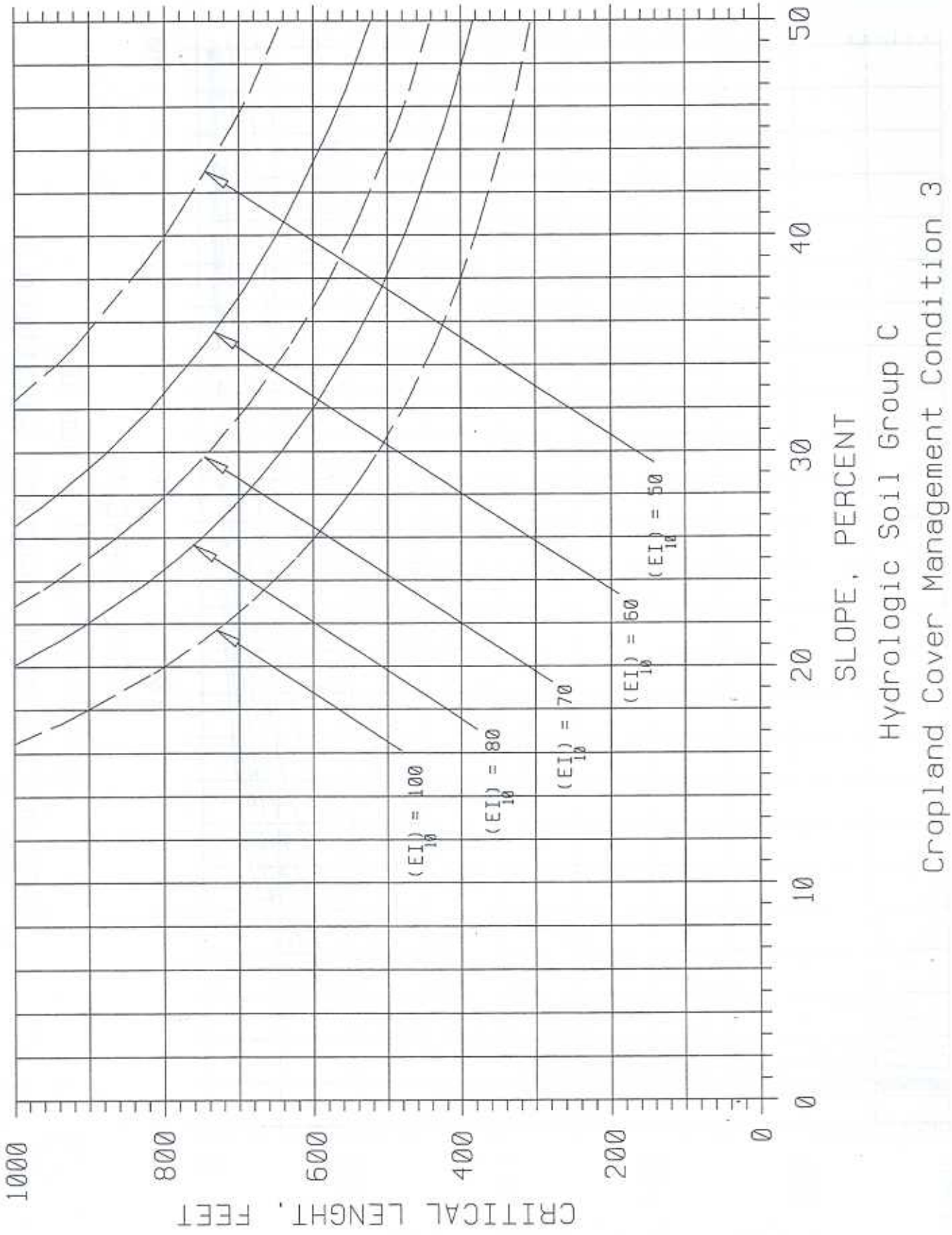

CRITICAL LENGTH, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Cropland Cover Management Condition 3
Hydrologic Soil Group C
Use for Contouring where R applies
(EI)10 = 100
(EI)10 = 80
(EI)10 = 70
(EI)10 = 60
(EI)10 = 50

FIGURE 14

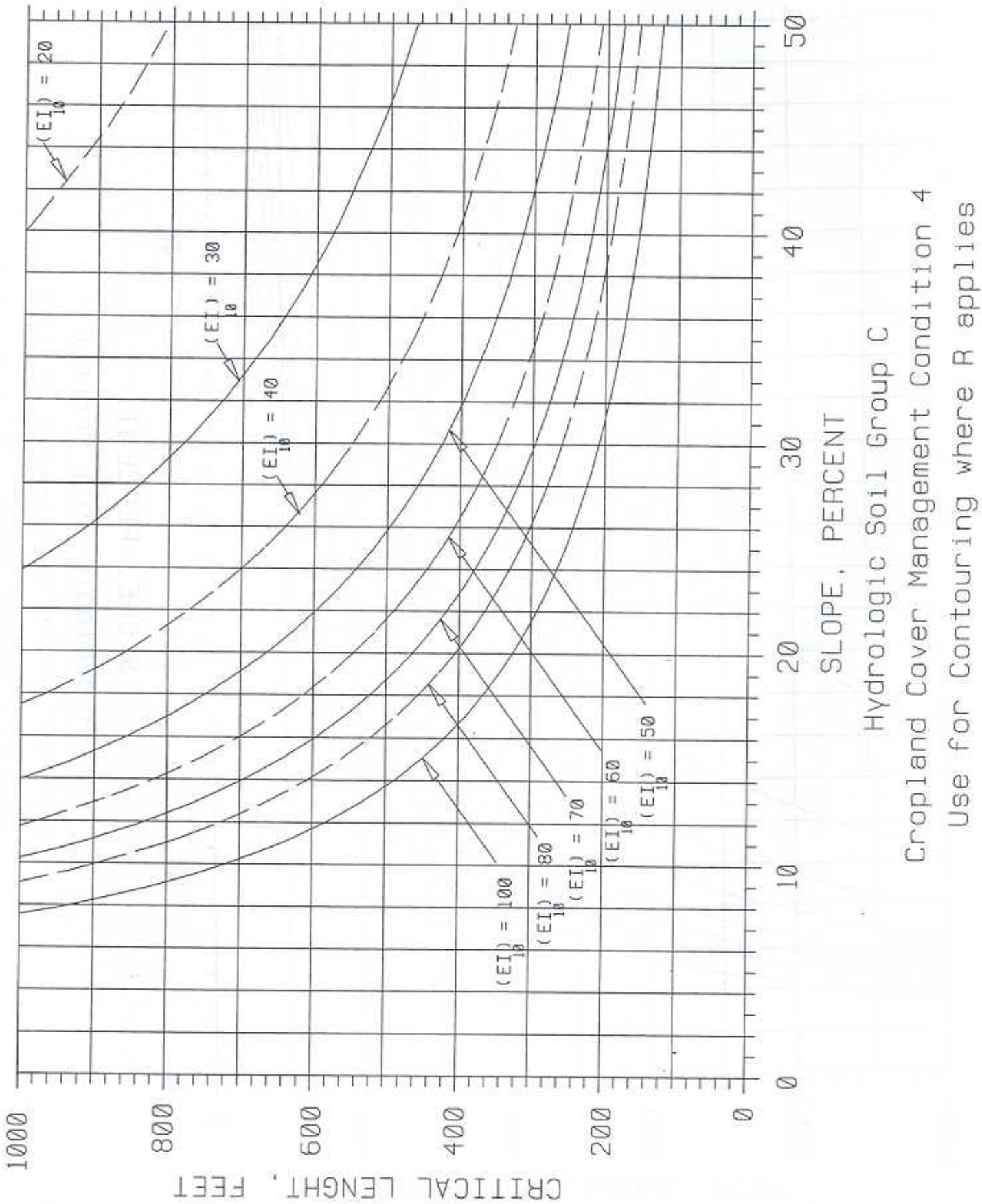

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group C
Cropland Cover Management Condition 4
Use for Contouring where R applies
(EI)10 = 20
(EI)10 = 30
(EI)10 = 40
(EI)10 = 50
(EI)10 = 60
(EI)10 = 70
(EI)10 = 80
(EI)10 = 100

FIGURE 15

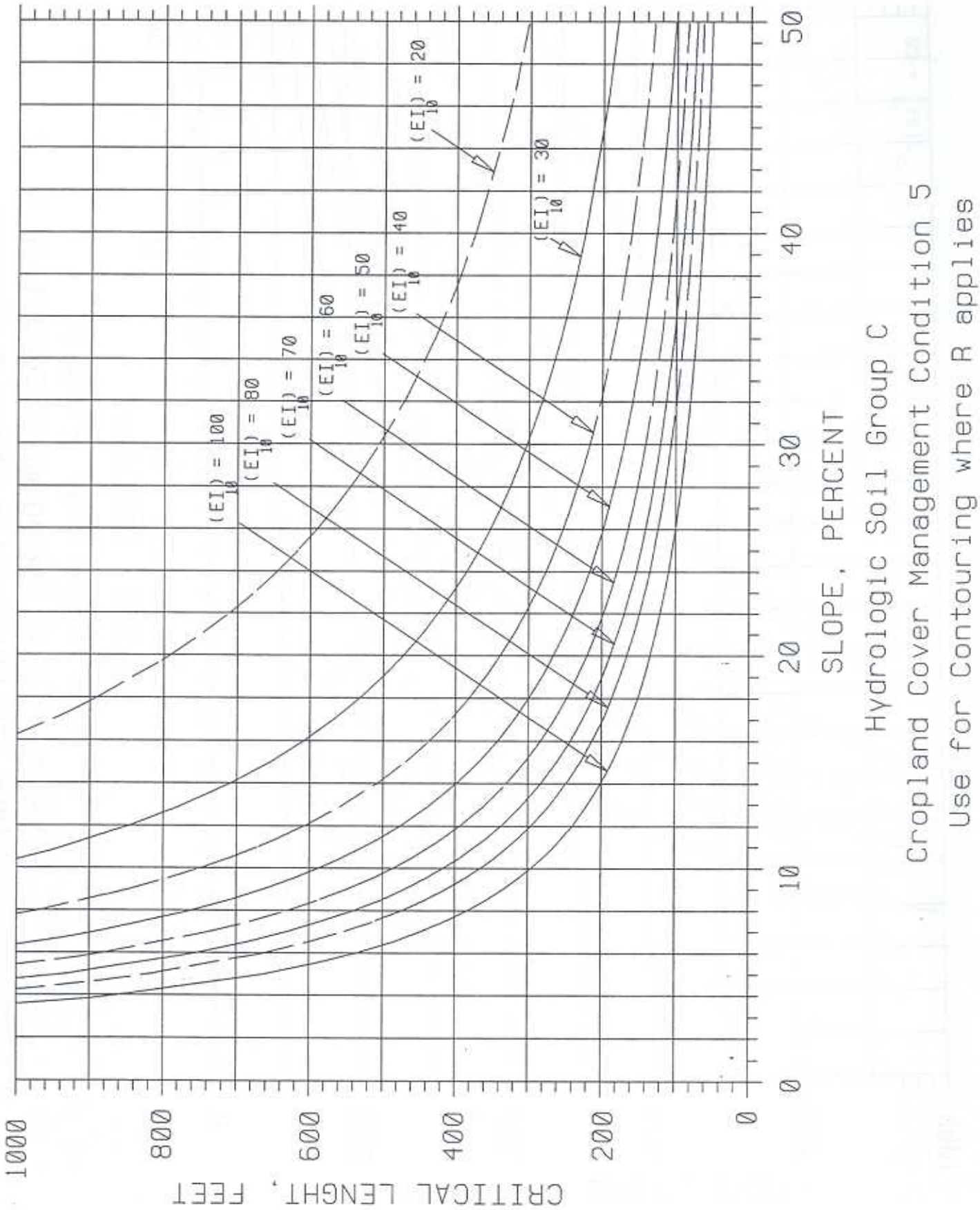

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group C
Cropland Cover Management Condition 5
Use for Contouring where R applies
(EI)10 = 100
(EI)10 = 80
(EI)10 = 70
(EI)10 = 60
(EI)10 = 50
(EI)10 = 40
(EI)10 = 30
(EI)10 = 20

FIGURE 16

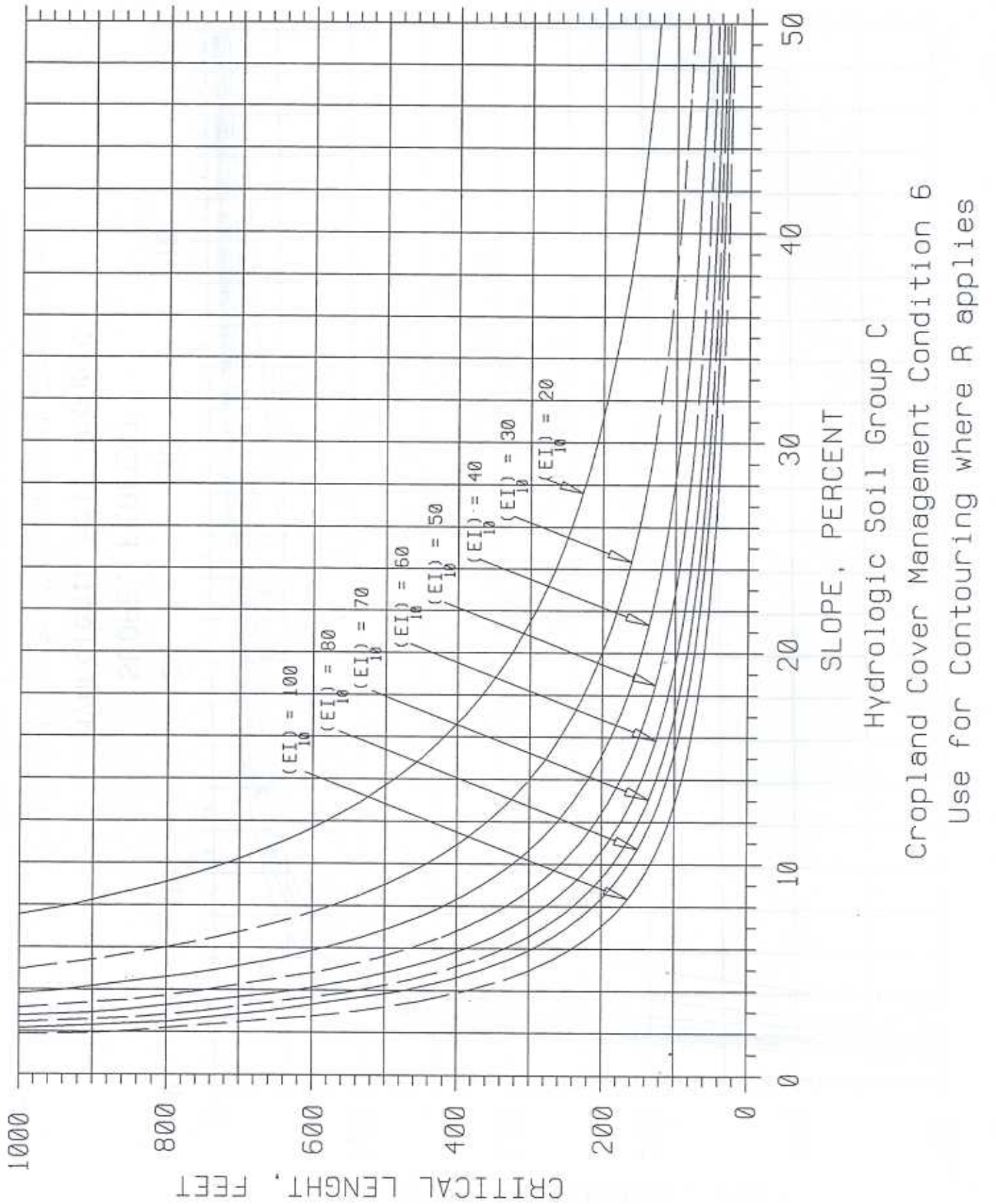

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
(EI)10 = 100
(EI)10 = 80
(EI)10 = 70
(EI)10 = 60
(EI)10 = 50
(EI)10 = 40
(EI)10 = 30
(EI)10 = 20
Hydrologic Soil Group C
Cropland Cover Management Condition 6
Use for Contouring where R applies

FIGURE 17

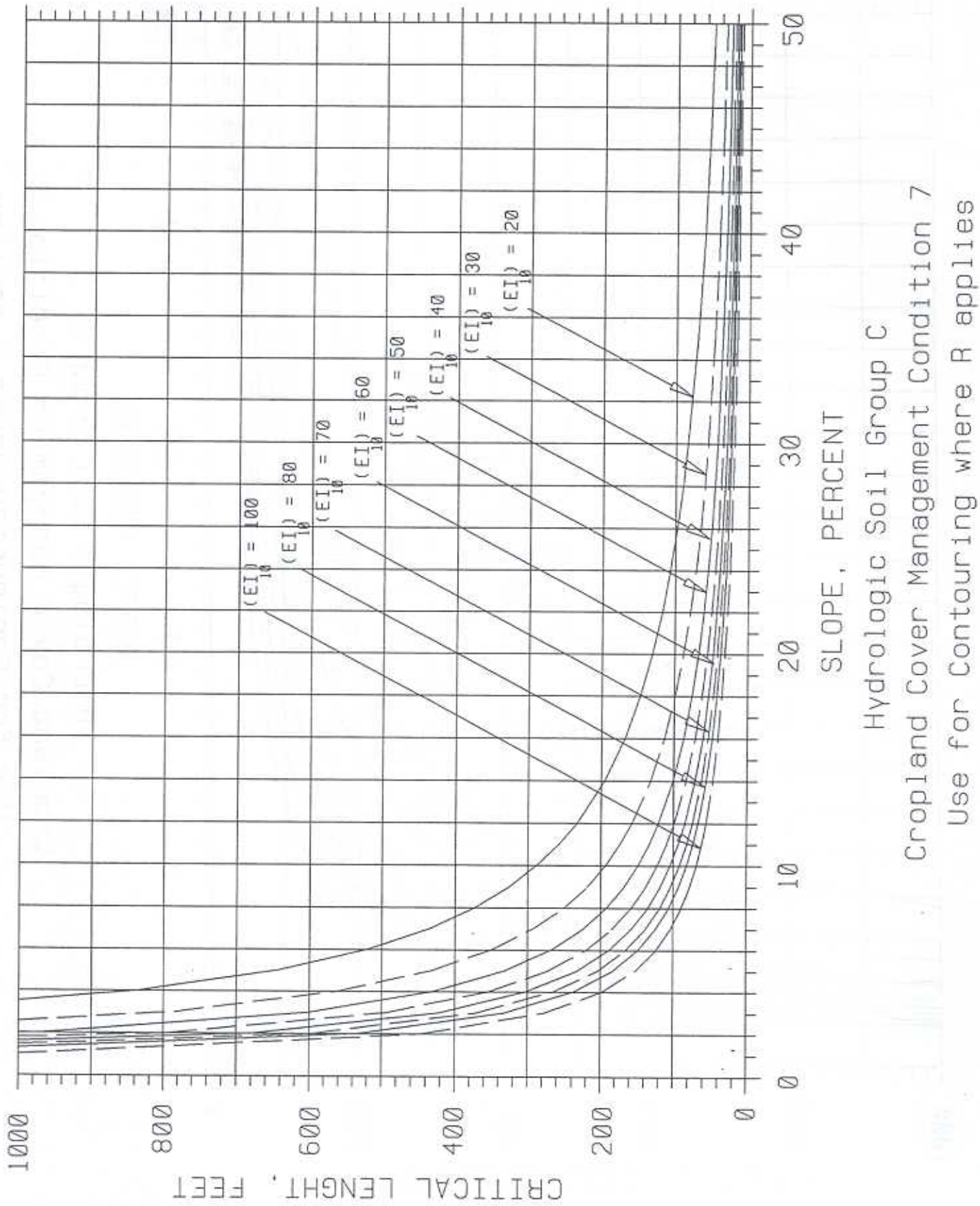

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group C
Cropland Cover Management Condition 7
Use for Contouring where R applies
(EI)10 = 100
(EI)10 = 80
(EI)10 = 70
(EI)10 = 60
(EI)10 = 50
(EI)10 = 40
(EI)10 = 30
(EI)10 = 20

FIGURE 18

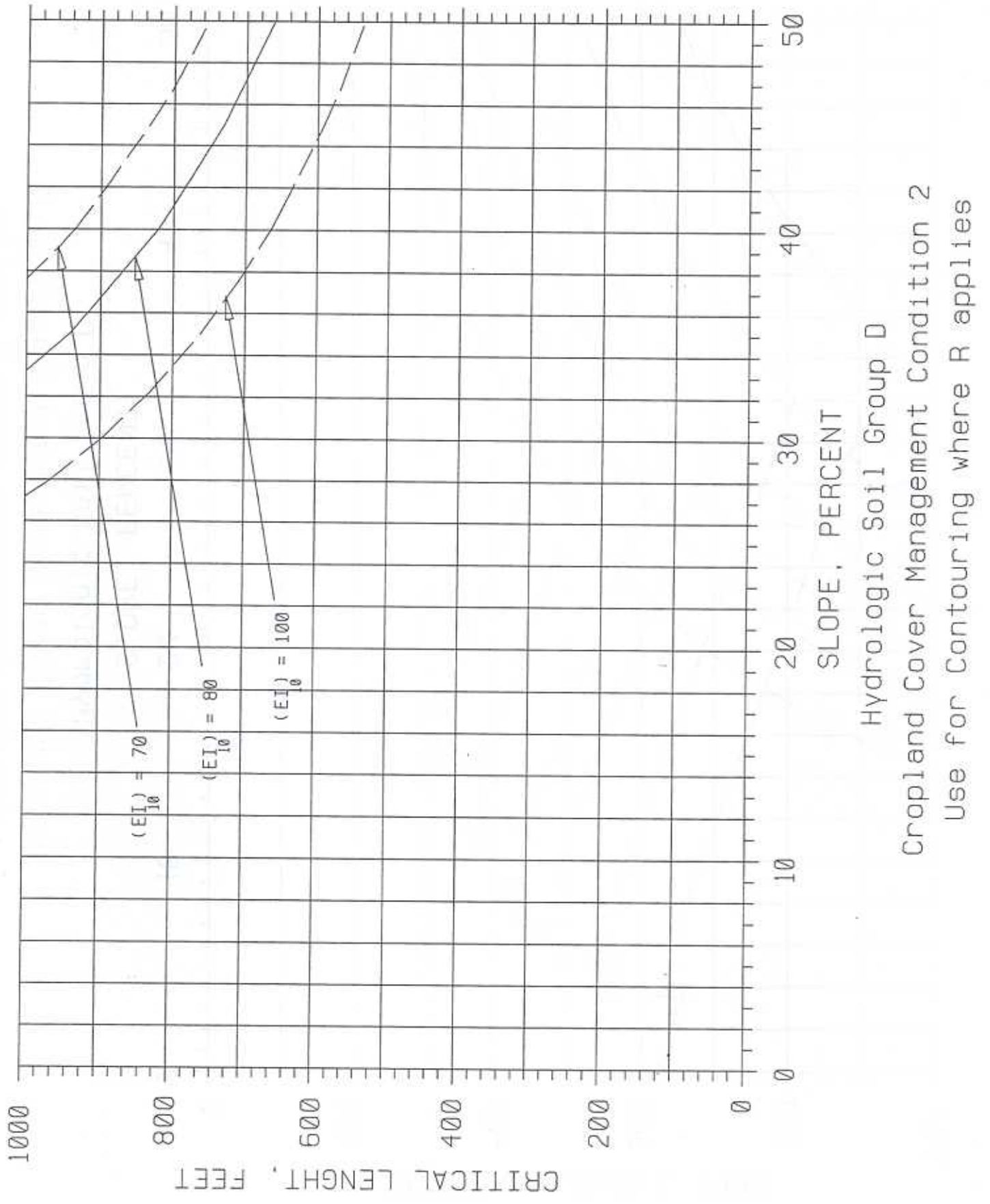

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
$(EI)_{10}$ = 70
$(EI)_{10}$ = 80
$(EI)_{10}$ = 100
Hydrologic Soil Group D
Cropland Cover Management Condition 2
Use for Contouring where R applies

FIGURE 19

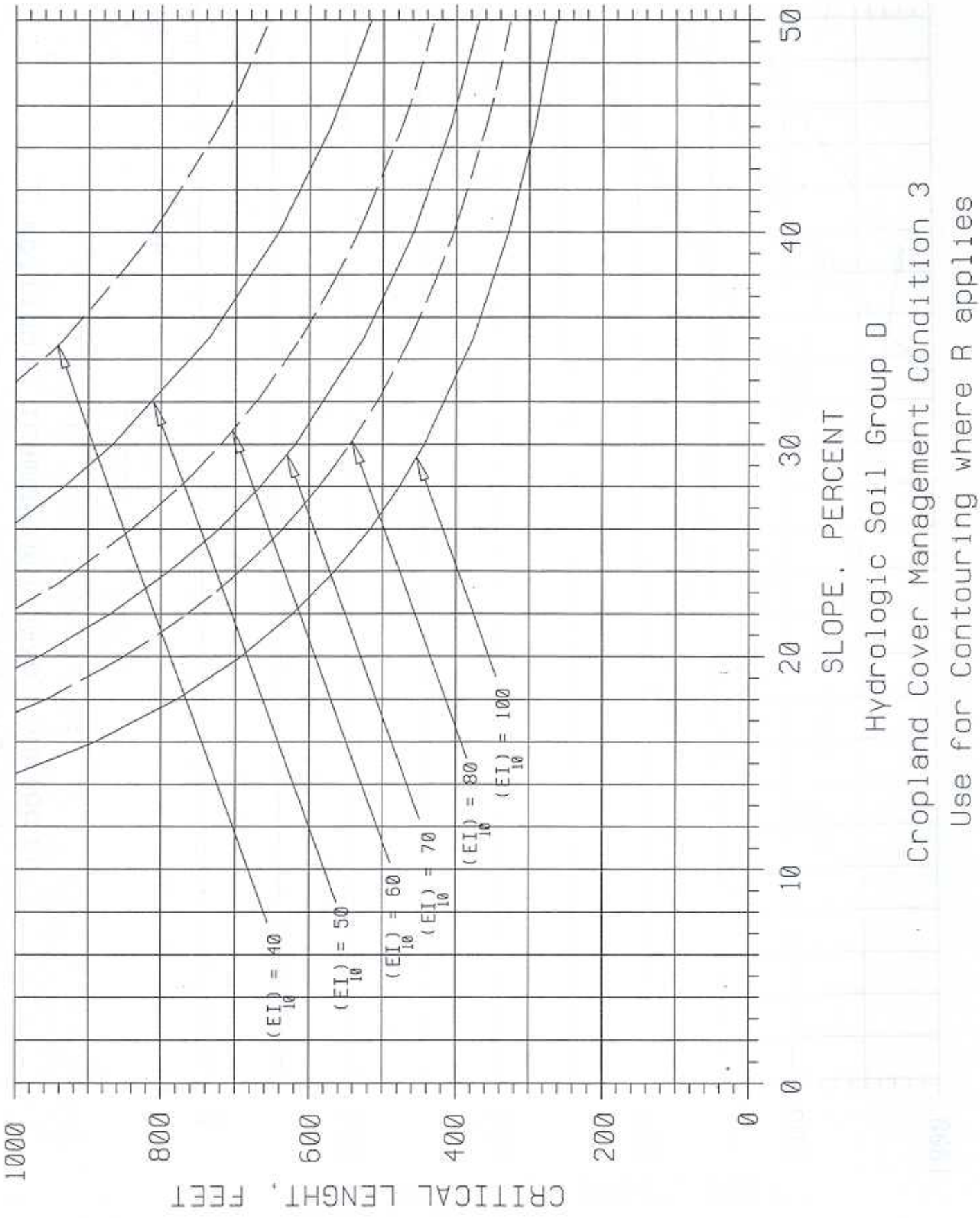

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group D
Cropland Cover Management Condition 3
Use for Contouring where R applies
(EI)10 = 40
(EI)10 = 50
(EI)10 = 60
(EI)10 = 70
(EI)10 = 80
(EI)10 = 100

FIGURE 20

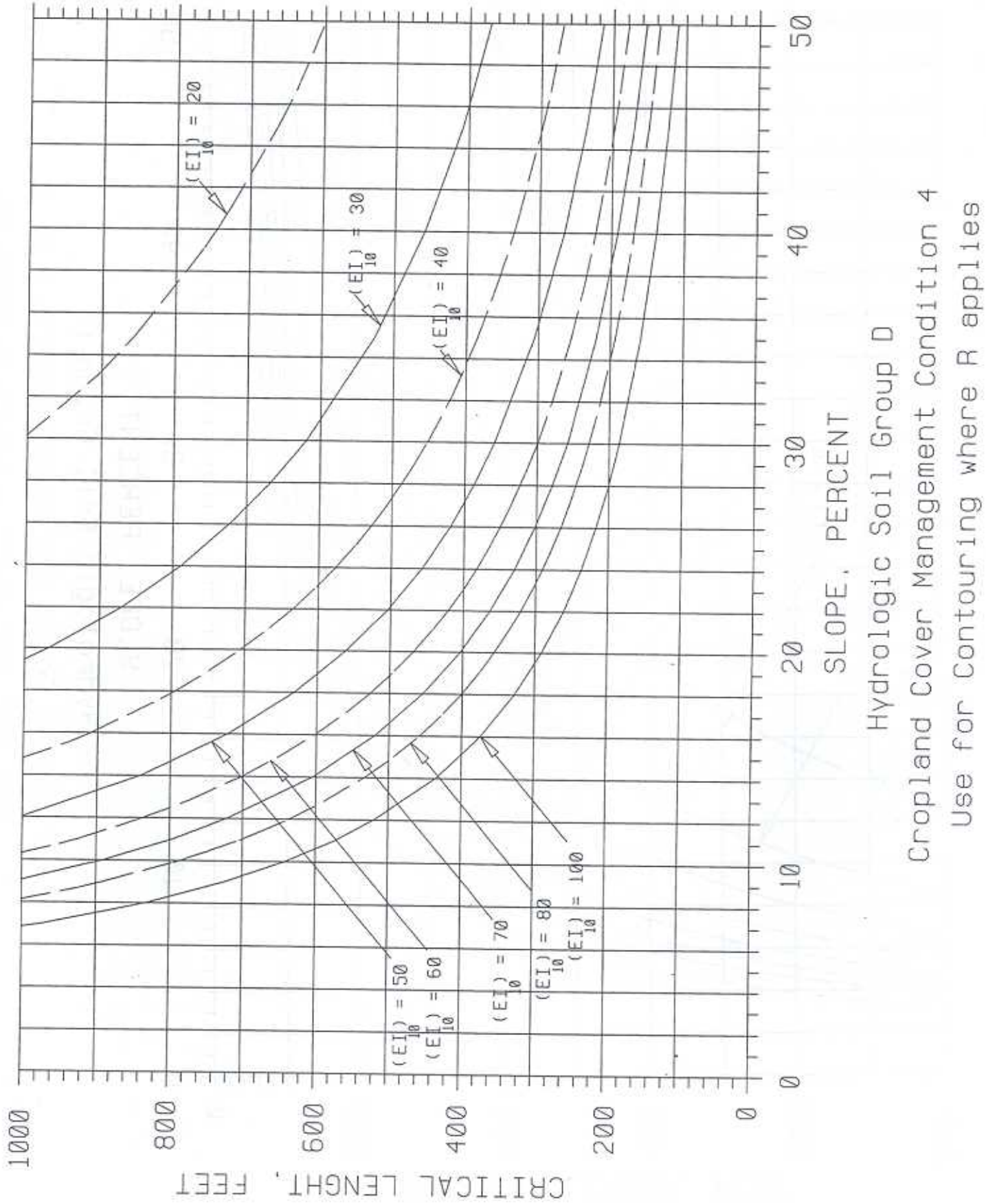

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group D
Cropland Cover Management Condition 4
Use for Contouring where R applies
(EI)10 = 20
(EI)10 = 30
(EI)10 = 40
(EI)10 = 50
(EI)10 = 60
(EI)10 = 70
(EI)10 = 80
(EI)10 = 100

FIGURE 21

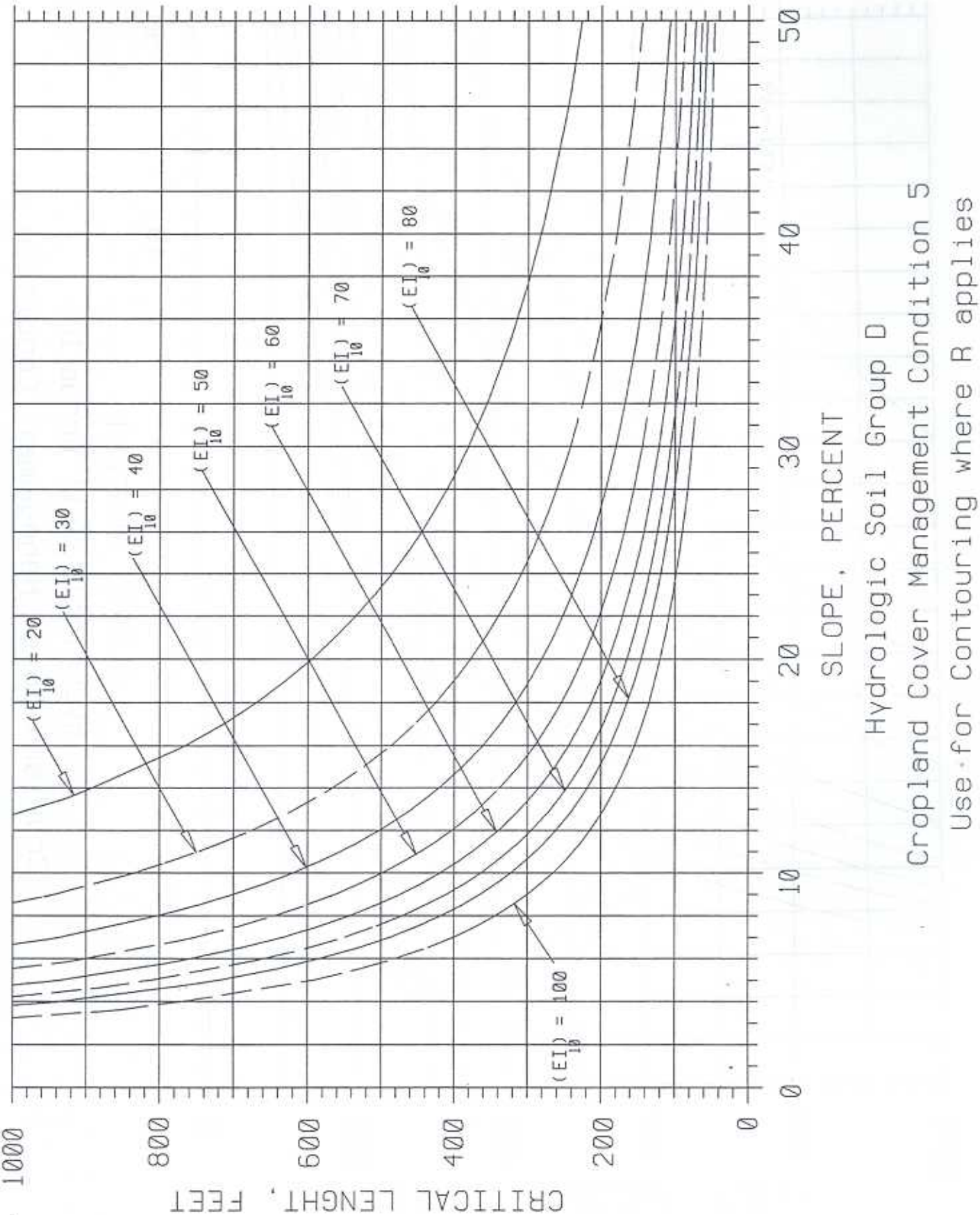

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group D
Cropland Cover Management Condition 5
Use for Contouring where R applies
(EI)10 = 20
(EI)10 = 30
(EI)10 = 40
(EI)10 = 50
(EI)10 = 60
(EI)10 = 70
(EI)10 = 80
(EI)10 = 100

FIGURE 22

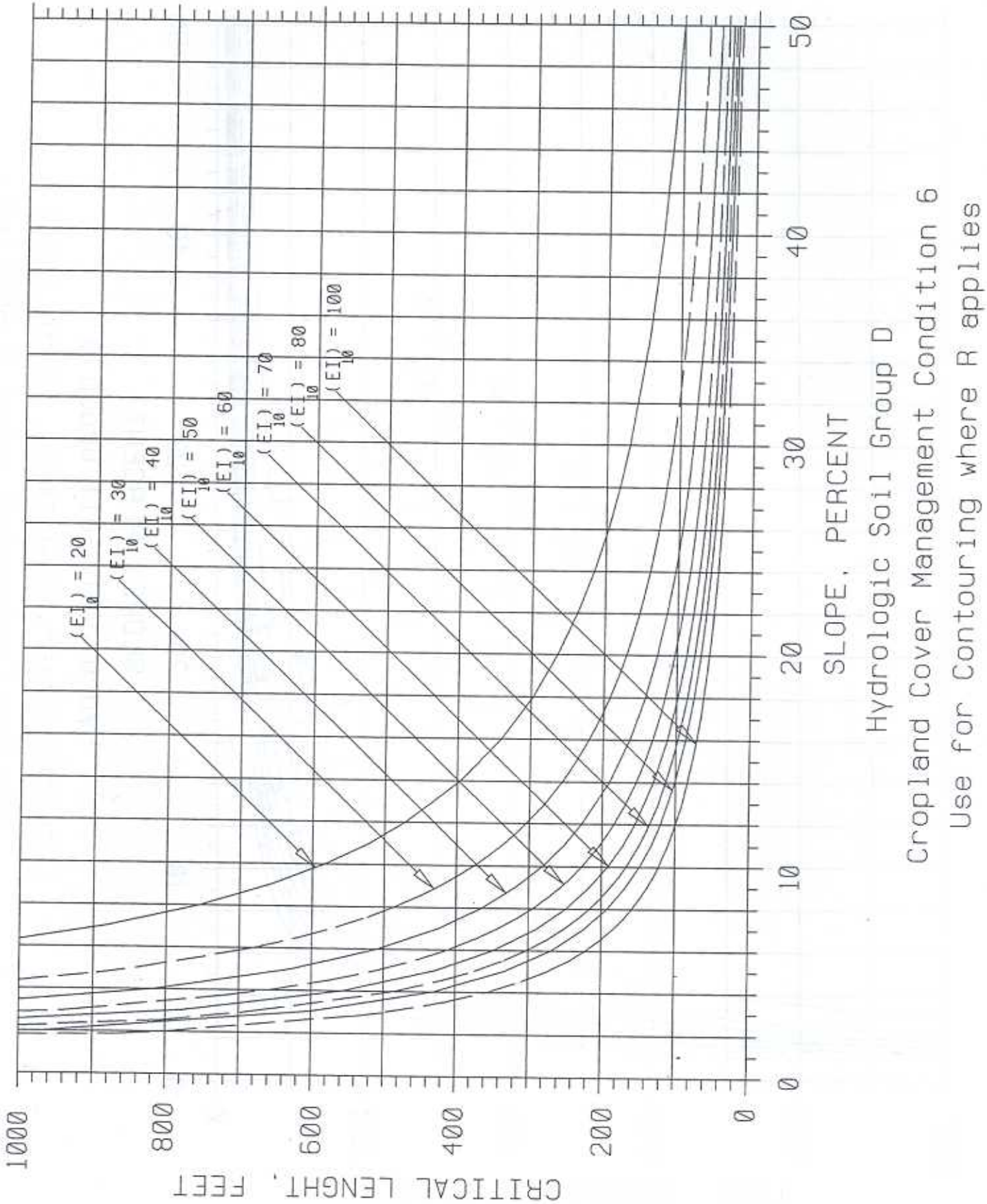

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group D
Cropland Cover Management Condition 6
Use for Contouring where R applies
(EI)10 = 20
(EI)10 = 30
(EI)10 = 40
(EI)10 = 50
(EI)10 = 60
(EI)10 = 70
(EI)10 = 80
(EI)10 = 100

FIGURE 23

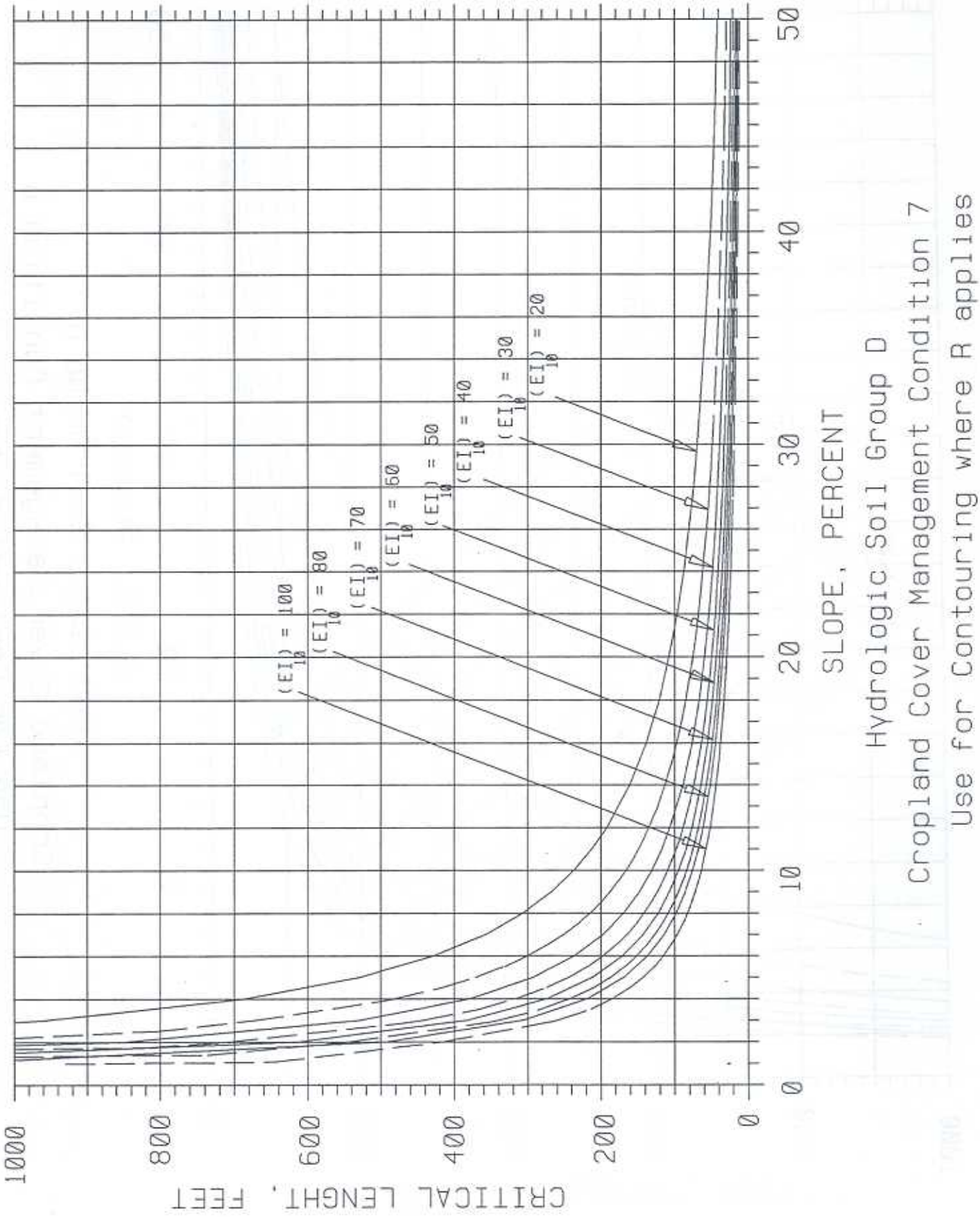

CRITICAL LENGHT, FEET
1000
800
600
400
200
0
0
10
20
30
40
50
SLOPE, PERCENT
Hydrologic Soil Group D
Cropland Cover Management Condition 7
Use for Contouring where R applies
(EI)10 = 100
(EI)10 = 80
(EI)10 = 70
(EI)10 = 60
(EI)10 = 50
(EI)10 = 40
(EI)10 = 30
(EI)10 = 20

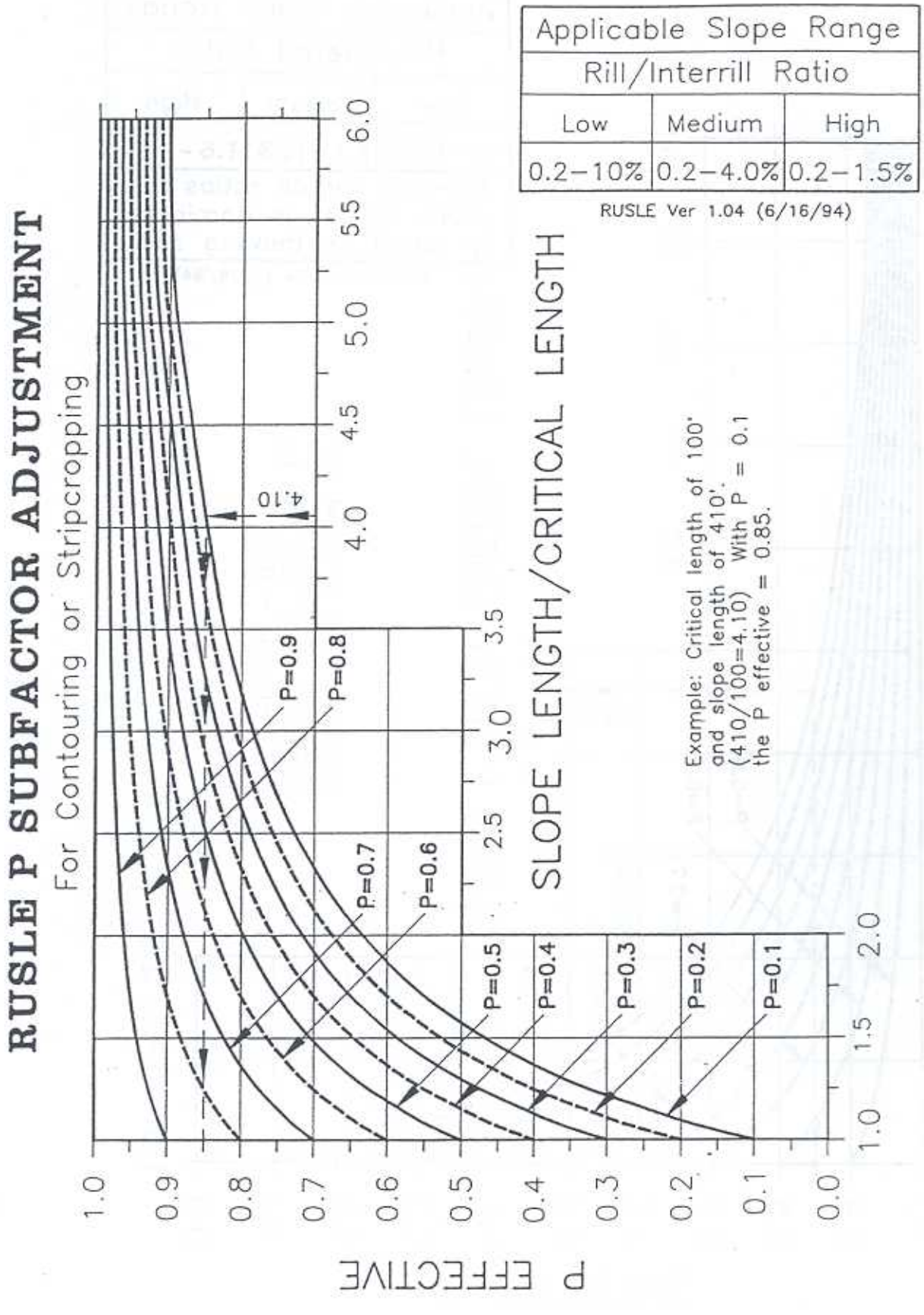
FIGURE 24 (RESERVED)

FIGURE 25 (RESERVED)

FIGURE 26 (RESERVED)

FIGURE 27 (RESERVED)

FIGURE 28



Applicable Slope Range		
Rill/Interrill Ratio		
Low	Medium	High
0.2–10%	0.2–4.0%	0.2–1.5%

RUSLE Ver 1.04 (6/16/94)

RUSLE P SUBFACTOR ADJUSTMENT

For Contouring or Stripcropping

Applicable Slope Range		
Rill/Interrill Ratio		
Low	Medium	High
11–60%	4.1–12%	1.6–4.5%
0.2–60% for all ratios where erosion is dominated by runoff on thawing soils.		

RUSLE Ver 1.04 (6/16/94)

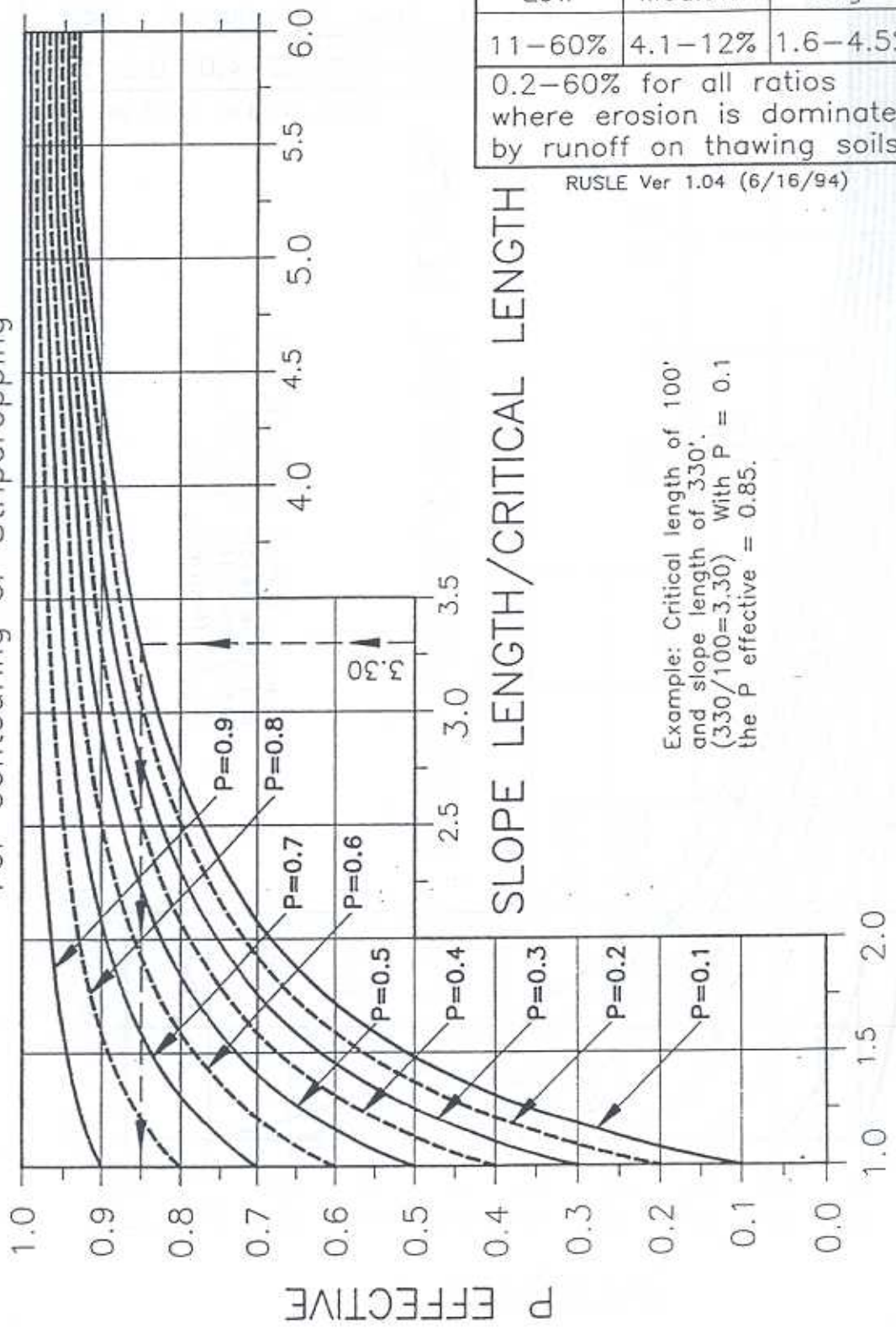
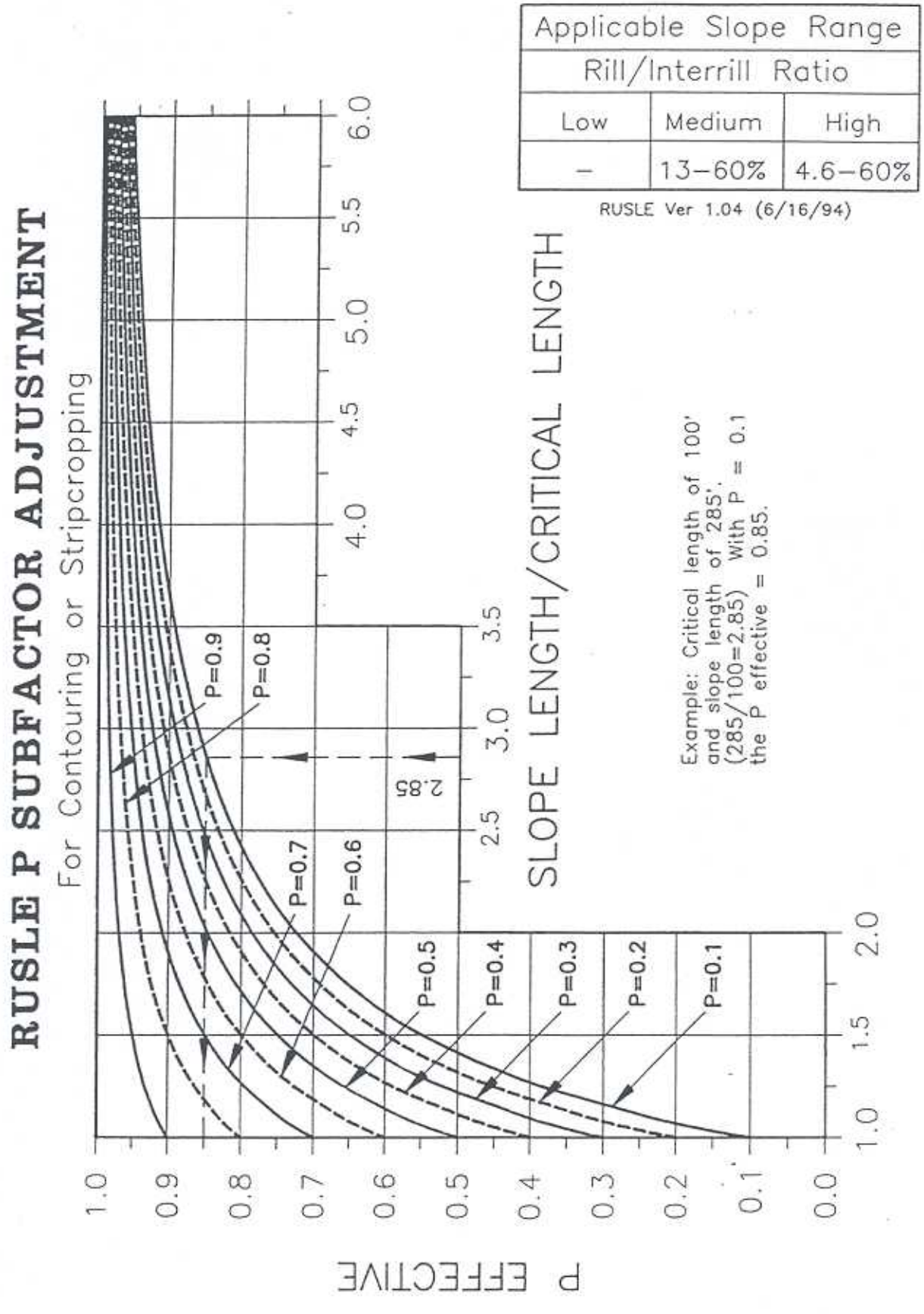


FIGURE 30


RUSLE P SUBFACTOR ADJUSTMENT
For Contouring or Stripcropping
Applicable Slope Range
Rill/Interrill Ratio
Low
Medium
High
–
13–60%
4.6–60%
RUSLE Ver 1.04 (6/16/94)
P=0.9
P=0.8
P=0.7
P=0.6
P=0.5
P=0.4
P=0.3
P=0.2
P=0.1
2.85
SLOPE LENGTH/CRITICAL LENGTH
P EFFECTIVE
Example: Critical length of 100' and slope length of 285'. (285/100=2.85) With P = 0.1 the P effective = 0.85.