

Rock Chute Design Information Sheet

SI Units

This worksheet is a supplement to Publication 832: Agricultural Erosion Control Structures: A Design and Construction Manual.

Section 1: Watershed & Chute Information

No.	Description	Input Value
1	Watershed area	_____ ha
2	Average grade of watershed	_____ %
3	Runoff curve number from Tables 2.2 – 2.4	_____
4	Peak flow from watershed for a 10-year storm from Table 2.5-M to 2.11-M	_____ m ³ /s
5	Rock chute fall	_____ m
6	Horizontal distance to obtain chute fall	_____ m
7	Grade to fit	Line (5) _____ m ÷ Line (6) _____ m x 100 = _____ %
8	Type and size of input device	_____
9	Type and size of output device	_____

Section 2: Chute Dimensions

No.	Description	Input Value
10	Chute slope from Tables 4.12-M to 4.14-M	_____ :1 or _____ %
11	Side slope	_____ :1
12	Bottom width	_____ m
13	Chute depth	_____ m
14	Chute width	_____ m
15	Total chute length	_____ m

Section 3: Rock Riprap Volume

No.	Description	Input Value
16	Rock riprap to order for chute	Line (13) _____ × Line (14) _____ x Line (15) _____ = _____ m ³
17	Additional rock riprap to order for transitions, curves, etc	_____ m ³
18	Total rock riprap to order	Line (16) _____ + Line (17) _____ = _____ m ³