

## DISCHARGE TABLES

NEBRASKA

Structure Identification \_\_\_\_\_ Watershed \_\_\_\_\_ County \_\_\_\_\_  
 By \_\_\_\_\_ Date \_\_\_\_\_ Checked by \_\_\_\_\_ Date \_\_\_\_\_ Sheet \_\_\_\_\_ of \_\_\_\_\_

### PRINCIPAL SPILLWAY HEAD DISCHARGE TABLE

Elevation	_____” dia. riser Weir or orifice flow		_____” dia. riser Weir or orifice flow		_____” dia. barrel Orifice flow		_____” dia. _____ length barrel Full pipe flow	
	H (ft.)	Q (cfs)	H (ft.)	Q (cfs)	H (ft.)	Q (cfs)	H (ft.)	Q (cfs)

Remarks: \*Column may be used for comparing hydraulics for different size riser.

### EMERGENCY SPILLWAY DISCHARGE TABLE

Reservoir WS el.	Hp (ft.)	q (cfs/ft.)	dc (ft.)	zdc (ft.)	Vc (ft./sec.)	W = b+zdc (ft.)	Q = qW (cfs)	P+E splwy. Total flow

dc = Critical depth  
 Vc = Critical velocity  
 z = Side slope  
 S = Inlet slope  
 b = Bottom width

L = Spillway length  
 q = Discharge per ft. of width  
 Q = Emergency spillway discharge  
 P = Principal spillway discharge