

Worksheet

Worksheet for Circular Channel

Project Description

Worksheet	Reach 2+3
Flow Element	Circular Cha
Method	Manning's F
Solve For	Full Flow Ca

Input Data

Mannings Co	0.013
Slope	10800 ft/ft
Diameter	18 in

Results

Depth	1.50 ft
Discharge	10.92 cfs
Flow Area	1.8 ft²
Wetted Peri	4.71 ft
Top Width	0.00 ft
Critical Dep	1.27 ft
Percent Ful	100.0 %
Critical Slop	10279 ft/ft
Velocity	6.18 ft/s
Velocity He	0.59 ft
Specific En	2.09 ft
Froude Nun	0.00
Maximum C	11.74 cfs
Discharge F	10.92 cfs
Slope Full	10800 ft/ft
Flow Type	N/A