

Manning Equation - Data Collection

A GENERAL INFORMATION

1. Person conducting measurement: CISCELL
2. Purpose of measurement: Bu
3. Water Right or Claim No. (if known): 69-4110/4027
4. Name of stream: DEER CREEK
5. Location of diversion:
 - i) Twp _____, Rng _____, Sec _____, $\frac{1}{4}$ _____ $\frac{1}{4}$
 - ii) POD name (if known): DEER CR. DITCH
 - iii) GPS file name: 136-140
 - iv) GPS site tag number: A00 16120

LOWER DITCH RD.
 141-144 300' up from rd xing LICK CR.
 145-154 @ Fensholt
 152-157 NEXT TO LICK CR.
 158-160
 161-166 DITCH xes RD.
 167-170 - E 1/4 7 CORNER

B CROSS SECTION DATA

1. Basis: ☐ high water mark ☒ ditch capacity
2. Location Notes: TAG ON SPACE RIVER RIGHT 10'

LEVELS WHERE DITCH CROSSES RD.

No.	Reading	Distance	No.	Reading	Distance	No.	Reading	Distance
1	0	0	8	.5	7	15		
2	1	1	9	.4	8	16		
3	1.7	2	10	0	9	17		
4	1.5	3	11			18		
5	1	4	12			19		
6	0.7	5	13			20		
7	1.6	6	14					

C SLOPE DATA

1. Basis: ☐ high water mark ☐ channel bottom ☐ land surface
2. Level Readings:

Upstream	downstream	
Upper stadia	_____	_____
Center	5.04 130	6.04 130
Lower stadia	_____	_____
Stadia difference	(_____ + _____) x 100 = _____	

Date

Signature of person conducting measurement

BASIC "n" CHANNEL MATERIAL				CHANNEL OBSTRUCTIONS							
earth	.020	✓	(1)	negligible	.000		(1)				
rock	.025		(2)	minor	.010	✓	(2)				
fine gravel	.024		(3)		.015		(3)				
coarse gravel	.028		(4)	appreciable	.020		(4)				
					.030		(5)				
				severe	.040		(6)				
					.050		(7)				
					.060		(8)				
SURFACE IRREGULARITY				VEGETATION							
smooth	.000		(1)	low	.005		(1)				
minor	.005	✓	(2)		.010	✓	(2)				
moderate	.010		(3)	medium	.015		(3)				
	severe	.020	(4)		.020		(4)				
					.025		(5)				
				high	.030		(6)				
					.040		(7)				
					.050		(8)				
				very high	.060		(9)				
					.075		(10)				
					.100		(11)				
				VARIATIONS IN SIZE AND SHAPE OF CROSS-SECTION				DEGREE OF MEANDERING			
				gradual	.000		(1)	minor	1.00	✓	(1)
				occasional	.005	✓	(2)	appreciable	1.15		(2)
frequent	.010		(3)	severe	1.30		(3)				
	.015		(4)								