GRSM FISH COLLECTION FORM (3-PASS)

SHEET ___ of ___ DATE 7-20-2021

STREAM WDY-2 Woody Branch BEGAN 9:30 H_2O TEMP 15.9

LOCALITY Cattaloochee ENDED ___ CONDUCT 15.5

TAG # UP WDY-1U Site Code WDY SHOCKER # 2 → 1

DOWN WDY-1D *INSERT NEW SITE INSTRUCTIONS HERE* PERSON # 7

VOLTAGE 700

Fulton (K) 3.2 K 1.5 ✓ 7/28/2021

	SPECIES	TL (mm)	WT (g)	RUN #	NOTES	SPECIES	TL (mm)	WT (g)	RUN #	NOTES
*	BKT	53	1.5	1						
	BKT	157	43.2	1						
	BKT	142	28.8	1						
	BKT	150	34.1	1						
5	BKT	174	50.5	1						
	BKT	125	20.6	1						
	BKT	75	4.8	1						
	BKT	81	6.0	1						
	BKT	140	27.1	1						
10	BKT	153	39.0	1						
	BKT	74	4.3	1						
	BKT	65	2.9	1						
15	BKT	79	5.4	2						
		82	6.6							
		77	3.5							
		75	1.8							
		73	4.2							
20		74	3.8							
		73	4.2							
	BKT	76	3.9	2						
	BKT	81	6.1	3						
25	BKT	136	26.9							
		69	3.7							
		143	27.2							
30										
35										
40										
45										

Run 1

Run 2

30 meters up. Switched to 1 shocker

Gone Shocker went down Smoking!

Hellbenders Y (N) TL (mm) WT (g)

Fish disease/ deformities?

Date Entered: 07/26/21 Initials: AHW

Date Verified: 7/28/21 Initials: LM

Date Validated: ___ Initials: ___

Date Scanned: ___ Initials: ___

Date Archived: ___ Initials: ___

U:\RMS\Fisheries_Management\Vital_Signs_Fish\3-Pass\Data\Datasheets\GRSM_3_Pass_Datasheet_20160302.xlsx

Great Smoky Mountains National Park Stream Monitoring Data Sheet

Stream WDY-1 Section _____ Date 20 July 2021

Voltage _____ Time Start: _____ End: _____

Shocker# _____ Location _____ Crew: Brenden, Katy, Matt, Levi + 3 volunteers

Temp (C°) 15.7 Cond. (µS) 15.5

BK

Transect	Width (m)	Width (m)	%gradient
0	3.35		
10	2.35		
20	3.75		
30	2.10		
40	2.77		
50	4.19		
60	4.60		
70	2.40		
80	4.85		
90	5.45		
98.5	6.0		
Mean	4.13		

45.98

Area (Length x Mean Width) = 407.25

Upper tag: _____

Lower tag: _____

Notes: passed by one 3D spring in DSF/Pool

Stopped at Riffle @ 98.5 ft

upstream with Tag ANDIV

Cell Width: 1/2

Cell Width = Depth to Depth

DISTANCE ON TAPE (feet)	DEPTH (feet)	VELOCITY (feet/sec)	CELL VOLUME (cubic feet/sec)	
3'3"	0.3	0.21	0.06	1
3'6"		0.28		
3'9	0.6		0.05	2
4'0		0.21		
4'3	0.3		0.08	3
4'6		0.30		
4'9	0.8		0.01	4
5'0		0.37		
5'3	0.7		0.011	5
5'6		0.28		
5'9	0.8		0.077	6
6'0		0.18		
6'3	0.9		0.009	7
6'6		0.21		
6'9	0.9		0.12	8
7'0		0.30		
7'3	0.7		0.09	9
7'6		0.29		
7'9	0.6		0.066	10
8'0		0.24		
8'3	0.5		0.043	11
8'6		0.19		
8'9	0.4		0.385	12
9'0		0.22		
9'3	0.3		0.011	13
9'6		0.07		
9'9	0.3		0.01	14
10'0		0.08		
10'3	0.2			15

DISCHARGE (cfs) = 1.022

$\frac{.3+.6}{2} \cdot .5 \cdot .28$

$\frac{.6+.3}{4} \cdot .21$

$\frac{.3+.8}{4} \cdot .3$

$\frac{.8+.7}{4} \cdot .37$

$\frac{.7+.8}{4} \cdot .28$

$\frac{.8+.9}{4} \cdot .18$

$\frac{.9+.9}{4} \cdot .21$

$\frac{.9+.7}{4} \cdot .3$

$\frac{.7+.6}{4} \cdot .29$

$\frac{.6+.5}{4} \cdot .24$

$\frac{.5+.4}{4} \cdot .19$

$\frac{.4+.3}{4} \cdot .22$

$\frac{.3+.3}{4} \cdot .07$

$\frac{.3+.2}{4} \cdot .08$