

WALLEYE POPULATION ESTIMATE (CHAPMAN'S VERSION OF A PETERSEN POPULATION ESTIMATE)

PRINT DATE: 06/18/21

LAKE: LAKE OF THE FALLS

YEAR 2021	COUNTY IRON	MWB CODE 2298300	ACRES 338	RECRUITMENT CODE C-ST	LENGTH REGULATION 15" MINIMUM, 20-24" PROTECTED, 1>24"	DAILY BAG LIMIT 3
--------------	----------------	---------------------	--------------	--------------------------	--------------------------------------------------------------	----------------------

1. MARKING

DATES: 4/6-9/21
GEAR(S): FYKE NETS
ADULT MARK: TC
JUVENILE MARK: BC

ADULTS INCLUDE ALL SEXABLE WALLEYES AND ALL UNKNOWN GENDER WALLEYES 15.0"+
JUVENILES INCLUDE ALL UNKNOWN GENDER WALLEYES <15.0"

MARKING SUMMARY:

	FEMALES GIVEN MARK	MALES GIVEN MARK	TOTAL SEXABLE MARKED TC	UNKNOWN GIVEN MARK	TOTAL ADULTS MARKED TC	TOTAL JUVENILES MARKED BC
7.0-11.9	0	0	0	2	0	2
12.0-14.9	0	0	0	0	0	0
15.0-19.9	5	1	6	4	10	
20.0+	6	0	6	0	6	
TOTALS	11	1	12	6	16	2

2. RECAPTURE

DATE(S): 04/10/21
GEAR: BOOMSHOCKER(S)
ADULT MARK: TC
JUVENILE MARK: BC

RECAPTURE SUMMARY:

	UNMARKED	MARKED	TOTAL CAPTURED	UNMARKED GIVEN TC MARK	TC MARKS AT LARGE	UNMARKED GIVEN BC MARK	BC MARKS AT LARGE	TOTAL MARKS AT LARGE
FEMALES								
7.0-11.9	0	0	0	0	0			
12.0-14.9	1	0	1	1	1			
15.0-19.9	10	2	12	10	15			
20.0+	10	1	11	10	16			
TOTALS	21	3	24	21	32			
MALES								
7.0-11.9	0	0	0	0	0			
12.0-14.9	0	0	0	0	0			
15.0-19.9	0	0	0	0	1			
20.0+	0	0	0	0	0			
TOTALS	0	0	0	0	1			
UNKNOWN								
7.0-11.9	7	0	7	7	8	7	9	9
12.0-14.9	10	0	10	10	10	10	10	10
15.0-19.9	4	0	4	4	8			8
20.0+	0	0	0	0	0			0
TOTALS	21	0	21	21	26	17	19	27
COMBINED (ALL)								
7.0-11.9	7	0	7	7	8	7	9	9
12.0-14.9	11	0	11	11	11	10	10	11
15.0-19.9	14	2	16	14	24			24
20.0+	10	1	11	10	16			16
TOTALS	42	3	45	42	59	17	19	60

3. ADULT POPULATION ESTIMATE

FEMALES	TC MARKED (M)	TOTAL CAPTURED (C)	CAPTURED MARKED (R)	CAPTURED UNMARKED	POPULATION ESTIMATE (N)	VARIANCE		
7.0-11.9	0	0	0	0	1	0		
12.0-14.9	0	1	0	1	2	1		
15.0-19.9	5	12	2	10	26	130		
20.0+	6	11	1	10	42	490		
TOTALS	11	24	3	21	71	621		
POPULATION ESTIMATE		71	95% CONFIDENCE INTERVAL			49	NUMBER PER ACRE	0.2
STANDARD DEVIATION		24.9	LOWER 95% CONFIDENCE LIMIT			22		
COEFFICIENT OF VARIATION		0.351	UPPER 95% CONFIDENCE LIMIT			120		

MALES	TC MARKED (M)	TOTAL CAPTURED (C)	CAPTURED MARKED (R)	CAPTURED UNMARKED	POPULATION ESTIMATE (N)	VARIANCE		
7.0-11.9	0	0	0	0	1	0		
12.0-14.9	0	0	0	0	1	0		
15.0-19.9	1	0	0	0	2	0		
20.0+	0	0	0	0	1	0		
TOTALS	1	0	0	0	5	0		
POPULATION ESTIMATE		5	95% CONFIDENCE INTERVAL			0	NUMBER PER ACRE	0.0
STANDARD DEVIATION		0.0	LOWER 95% CONFIDENCE LIMIT			5		
COEFFICIENT OF VARIATION		0.000	UPPER 95% CONFIDENCE LIMIT			5		

UNKNOWNNS > 14.9	TC MARKED	TOTAL CAPTURED (C)	CAPTURED MARKED (R)	CAPTURED UNMARKED	POPULATION ESTIMATE (N)	VARIANCE		
7.0-11.9								
12.0-14.9								
15.0-19.9	4	4	0	4	25	250		
20.0+	0	0	0	0	1	0		
TOTALS	4	4	0	4	26	250		
POPULATION ESTIMATE		26	95% CONFIDENCE INTERVAL			31	NUMBER PER ACRE	0.1
STANDARD DEVIATION		15.8	LOWER 95% CONFIDENCE LIMIT			-5		
COEFFICIENT OF VARIATION		0.608	UPPER 95% CONFIDENCE LIMIT			57		

COMBINED (ALL MALES, ALL FEMALES, AND UNKNOWNNS > 14.9)

	TC MARKED (M)	TOTAL CAPTURED (C)	CAPTURED MARKED (R)	CAPTURED UNMARKED	POPULATION ESTIMATE (N)	VARIANCE		
7.0-11.9	0	0	0	0	1	0		
12.0-14.9	0	1	0	1	2	1		
15.0-19.9	10	16	2	14	62	800		
20.0+	6	11	1	10	42	490		
TOTALS	16	28	3	25	107	1291		
POPULATION ESTIMATE		107	95% CONFIDENCE INTERVAL			70	NUMBER PER ACRE	0.3
STANDARD DEVIATION		35.9	LOWER 95% CONFIDENCE LIMIT			37		
COEFFICIENT OF VARIATION		0.335	UPPER 95% CONFIDENCE LIMIT			178		

4. ADULT POPULATION DISTRIBUTION

INCH GROUP	SAMPLED NUMBER	SAMPLE PROPORTION	POPULATION ESTIMATE	ESTIMATED NUMBER PER INCH GROUP
7.0 - 7.4	0	0.000		0
7.5 - 7.9	0	0.000		0
8.0 - 8.4	0	0.000		0
8.5 - 8.9	0	0.000		0
9.0 - 9.4	0	0.000		0
9.5 - 9.9	0	0.000		0
10.0 - 10.4	0	0.000		0
10.5 - 10.9	0	0.000		0
11.0 - 11.4	0	0.000		0
11.5 - 11.9	0	0.000		0
SUBTOTALS	0	0.000	1	0
12.0 - 12.4	0	0.000		0
12.5 - 12.9	0	0.000		0
13.0 - 13.4	0	0.000		0
13.5 - 13.9	0	0.000		0
14.0 - 14.4	0	0.000		0
14.5 - 14.9	0	0.000		0
SUBTOTALS	0	0.000	2	0
15.0 - 15.4	2	0.200		12
15.5 - 15.9	0	0.000		0
16.0 - 16.4	1	0.100		6
16.5 - 16.9	2	0.200		12
17.0 - 17.4	1	0.100		6
17.5 - 17.9	1	0.100		6
18.0 - 18.4	0	0.000		0
18.5 - 18.9	0	0.000		0
19.0 - 19.4	3	0.300		19
19.5 - 19.9	0	0.000		0
SUBTOTALS	10	1.000	62	62
20.0 - 20.4	1	0.167		7
20.5 - 20.9	2	0.333		14
21.0 - 21.4	0	0.000		0
21.5 - 21.9	0	0.000		0
22.0 - 22.4	2	0.333		14
22.5 - 22.9	0	0.000		0
23.0 - 23.4	0	0.000		0
23.5 - 23.9	0	0.000		0
24.0 - 24.4	0	0.000		0
24.5 - 24.9	0	0.000		0
25.0 - 25.4	0	0.000		0
25.5 - 25.9	0	0.000		0
26.0 - 26.4	0	0.000		0
26.5 - 26.9	0	0.000		0
27.0 - 27.4	0	0.000		0
27.5 - 27.9	1	0.167		7
28.0 - 28.4	0	0.000		0
28.5 - 28.9	0	0.000		0
29.0 - 29.4	0	0.000		0
29.5 - 29.9	0	0.000		0
30.0+	0	0.000		0
SUBTOTALS	6	1.000	42	42
TOTALS	16		107	104

5. MARKS-AT-LARGE

	TOTAL MARKS
TOTAL JUVENILES (7.0-14.9):	19
TOTAL ADULTS:	41
14.0+ ADULTS:	41
20.0+ ADULTS:	16

6. COMMENTS

ADULT MEAN LENGTH (COMBINED MARKED AND RECAPTURE UNMARKED)

LAKE: LAKE OF THE FALLS
 YEAR: 2021

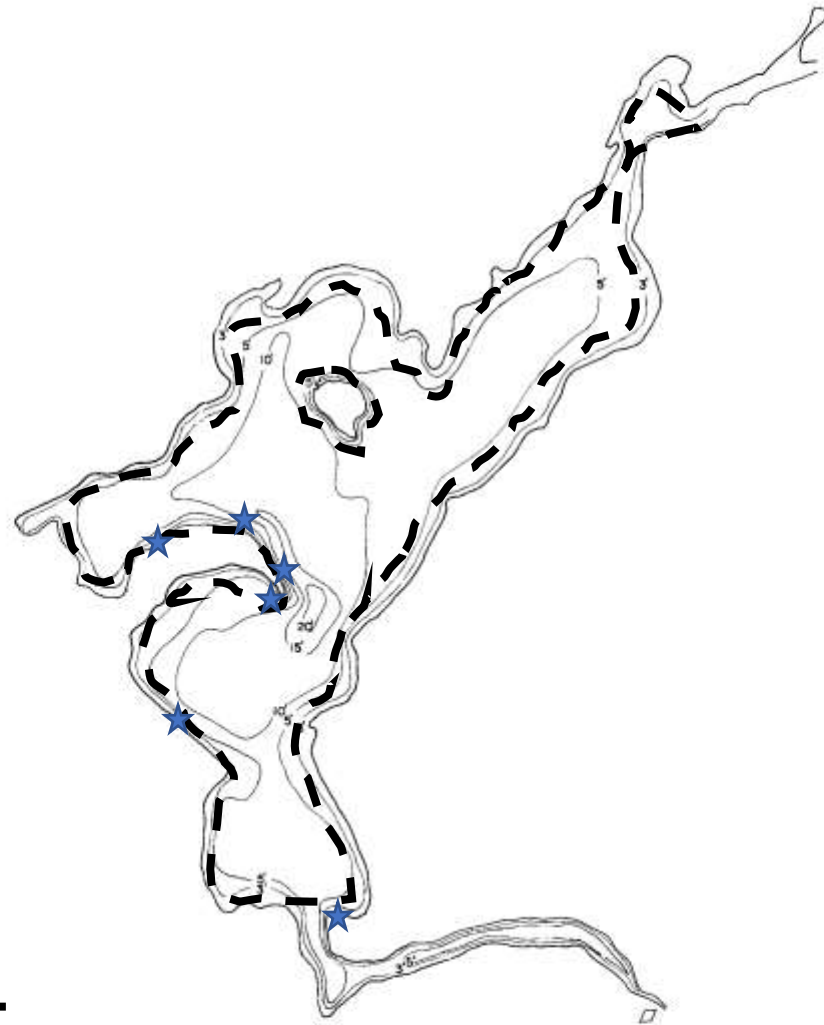
LENGTH GROUP	MIDGROUP LENGTH	MALE		FEMALE		UNKNOWN	
		LENGTH FREQUENCY	LENGTH PRODUCT	LENGTH FREQUENCY	LENGTH PRODUCT	LENGTH FREQUENCY	LENGTH PRODUCT
7.0 - 7.4	7.2	0	0.0	0	0.0	0	0.0
7.5 - 7.9	7.7	0	0.0	0	0.0	1	7.7
8.0 - 8.4	8.2	0	0.0	0	0.0	0	0.0
8.5 - 8.9	8.7	0	0.0	0	0.0	1	8.7
9.0 - 9.4	9.2	0	0.0	0	0.0	0	0.0
9.5 - 9.9	9.7	0	0.0	0	0.0	1	9.7
10.0 - 10.4	10.2	0	0.0	0	0.0	1	10.2
10.5 - 10.9	10.7	0	0.0	0	0.0	3	32.1
11.0 - 11.4	11.2	0	0.0	0	0.0	1	11.2
11.5 - 11.9	11.7	0	0.0	0	0.0	1	11.7
12.0 - 12.4	12.2	0	0.0	0	0.0	0	0.0
12.5 - 12.9	12.7	0	0.0	0	0.0	3	38.1
13.0 - 13.4	13.2	0	0.0	0	0.0	2	26.4
13.5 - 13.9	13.7	0	0.0	0	0.0	2	27.4
14.0 - 14.4	14.2	0	0.0	1	14.2	2	28.4
14.5 - 14.9	14.7	0	0.0	0	0.0	1	14.7
15.0 - 15.4	15.2	0	0.0	0	0.0	4	60.8
15.5 - 15.9	15.7	0	0.0	1	15.7	2	31.4
16.0 - 16.4	16.2	0	0.0	1	16.2	1	16.2
16.5 - 16.9	16.7	1	16.7	3	50.1	0	0.0
17.0 - 17.4	17.2	0	0.0	1	17.2	1	17.2
17.5 - 17.9	17.7	0	0.0	2	35.4	0	0.0
18.0 - 18.4	18.2	0	0.0	1	18.2	0	0.0
18.5 - 18.9	18.7	0	0.0	0	0.0	0	0.0
19.0 - 19.4	19.2	0	0.0	4	76.8	0	0.0
19.5 - 19.9	19.7	0	0.0	2	39.4	0	0.0
20.0 - 20.4	20.2	0	0.0	3	60.6	0	0.0
20.5 - 20.9	20.7	0	0.0	2	41.4	0	0.0
21.0 - 21.4	21.2	0	0.0	1	21.2	0	0.0
21.5 - 21.9	21.7	0	0.0	1	21.7	0	0.0
22.0 - 22.4	22.2	0	0.0	2	44.4	0	0.0
22.5 - 22.9	22.7	0	0.0	0	0.0	0	0.0
23.0 - 23.4	23.2	0	0.0	1	23.2	0	0.0
23.5 - 23.9	23.7	0	0.0	1	23.7	0	0.0
24.0 - 24.4	24.2	0	0.0	1	24.2	0	0.0
24.5 - 24.9	24.7	0	0.0	2	49.4	0	0.0
25.0 - 25.4	25.2	0	0.0	0	0.0	0	0.0
25.5 - 25.9	25.7	0	0.0	0	0.0	0	0.0
26.0 - 26.4	26.2	0	0.0	0	0.0	0	0.0
26.5 - 26.9	26.7	0	0.0	0	0.0	0	0.0
27.0 - 27.4	27.2	0	0.0	0	0.0	0	0.0
27.5 - 27.9	27.7	0	0.0	1	27.7	0	0.0
28.0 - 28.4	28.2	0	0.0	0	0.0	0	0.0
28.5 - 28.9	28.7	0	0.0	0	0.0	0	0.0
29.0 - 29.4	29.2	0	0.0	1	29.2	0	0.0
29.5 - 29.9	29.7	0	0.0	0	0.0	0	0.0
30.0+		0	0.0	0	0.0	0	0.0

TOTALS 1 16.7 32 649.9 27 351.9

MALE / FEMALE RATIO 0.0

	MALE	FEMALE	UNKNOWN	ADULT	COMBINED
MEAN LENGTH	16.7	20.3	13.0	19.3	17.0
STANDARD DEVIATION	NA	3.4	2.4	3.6	4.7
MINIMUM LENGTH	16.7	14.2	7.7	14.2	7.7
MAXIMUM LENGTH	16.7	29.2	17.2	29.2	29.2

Lake of the Falls
Iron County
WBIC 2298300
Wisconsin DNR



Net Location ★

Electroshocking route - - - -

