

SPRING ADULT WALLEYE POPULATION ESTIMATE

LAKE: PARENT L	AREA: 182
COUNTY: BARAGA	RECRUITMENT CODE: C-ST
YEAR: 2009	AGENCY: GLIFWC

POPULATION ESTIMATE SUMMARIES  
COMBINED SEXES AND UNKNOWNNS 15 INCHES AND GREATER

LENGTH INTERVAL (INCHES)	MARKED FISH SPEARED			TOTAL CAUGHT IN RECAPTURE SURVEY (C)	UNMARKED FISH CAUGHT IN RECAPTURE SURVEY	MARKED FISH CAUGHT IN RECAPTURE SURVEY (R)	POPULATION ESTIMATE BEFORE SPEARING ADJUSTMENT	TOTAL FISH SPEARED		
	TOTAL GIVEN MARK	BEFORE RECAPTURE SURVEY	ADJUSTED NUMBER MARKED (M)					BEFORE RECAPTURE SURVEY	POPULATION ESTIMATE (N)	STANDARD DEVIATION
0 - 11.9	0	0	0	0	0	0	1	0	1	0
12 - 14.9	147	0	147	50	15	35	210	0	210	19
15 - 19.9	98	0	98	34	14	20	165	0	165	22
20 +	19	0	19	6	5	1	70	0	70	34
TOTAL:	264	0	264	90	34	56	446	0	446	45
POPULATION ESTIMATE: 446							STANDARD DEVIATION: 45			
WALLEYE/ACRE: 2.45							COEFF. OF VARIATION: 10.06%			

MALES

LENGTH INTERVAL (INCHES)	MARKED FISH SPEARED			TOTAL CAUGHT IN RECAPTURE SURVEY (C)	UNMARKED FISH CAUGHT IN RECAPTURE SURVEY	MARKED FISH CAUGHT IN RECAPTURE SURVEY (R)	POPULATION ESTIMATE BEFORE SPEARING ADJUSTMENT	TOTAL FISH SPEARED		
	TOTAL GIVEN MARK	BEFORE RECAPTURE SURVEY	ADJUSTED NUMBER MARKED (M)					BEFORE RECAPTURE SURVEY	POPULATION ESTIMATE (N)	STANDARD DEVIATION
0 - 11.9	0	0	0	0	0	0	1	0	1	0
12 - 14.9	146	0	146	50	15	35	208	0	208	19
15 - 19.9	87	0	87	31	11	20	134	0	134	17
20 +	3	0	3	0	0	0	4	0	4	0
TOTAL:	236	0	236	81	26	55	347	0	347	25
POPULATION ESTIMATE: 347							STANDARD DEVIATION: 25			
WALLEYE/ACRE: 1.91							COEFF. OF VARIATION: 7.20%			

FEMALES

LENGTH INTERVAL (INCHES)	MARKED FISH SPEARED			TOTAL CAUGHT IN RECAPTURE SURVEY (C)	UNMARKED FISH CAUGHT IN RECAPTURE SURVEY	MARKED FISH CAUGHT IN RECAPTURE SURVEY (R)	POPULATION ESTIMATE BEFORE SPEARING ADJUSTMENT	TOTAL FISH SPEARED		
	TOTAL GIVEN MARK	BEFORE RECAPTURE SURVEY	ADJUSTED NUMBER MARKED (M)					BEFORE RECAPTURE SURVEY	POPULATION ESTIMATE (N)	STANDARD DEVIATION
0 - 11.9	0	0	0	0	0	0	1	0	1	0
12 - 14.9	1	0	1	0	0	0	2	0	2	0
15 - 19.9	3	0	3	3	3	0	16	0	16	10
20 +	15	0	15	6	5	1	56	0	56	27
TOTAL:	19	0	19	9	8	1	75	0	75	29
POPULATION ESTIMATE: 75							STANDARD DEVIATION: 29			
WALLEYE/ACRE: 0.41							COEFF. OF VARIATION: 38.70%			

UNKNOWNNS

LENGTH INTERVAL (INCHES)	MARKED FISH SPEARED			TOTAL CAUGHT IN RECAPTURE SURVEY (C)	UNMARKED FISH CAUGHT IN RECAPTURE SURVEY	MARKED FISH CAUGHT IN RECAPTURE SURVEY (R)	TOTAL FISH SPEARED BEFORE RECAPTURE SURVEY	SAMPLING SUMMARY	
	TOTAL GIVEN MARK	BEFORE RECAPTURE SURVEY	ADJUSTED NUMBER MARKED (M)					MARKING SURVEYS	RECAPTURE SURVEY
0 - 11.9	0	0	0	0	0	0	0	DATES: 4/26-27/2009	4/28/2009
12 - 14.9	2	0	2	2	1	1	0	GEAR USED: EF	EF
15 - 19.9	8	0	8	0	0	0	0	FIN CLIP: TCN	TCN
20 +	1	0	1	0	0	0	0	TAGS: None	None
TOTAL:	11	0	11	2	1	1	0	REPORT PRINT DATE: 8/20/2009	

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WALLEYE LENGTH FREQUENCY

LENGTH INTERVAL (INCHES)	MARKING PERIOD: MARKED			RECAP PERIOD: UNMARKED			RECAP PERIOD: RECAPS		
	MALE	FEMALE	UNKNOWN	MALE	FEMALE	UNKNOWN	MALE	FEMALE	UNKNOWN
5.0 - 5.49	0	0	0	0	0	0	0	0	0
5.5 - 5.99	0	0	0	0	0	0	0	0	0
6.0 - 6.49	0	0	0	0	0	0	0	0	0
6.5 - 6.99	0	0	0	0	0	0	0	0	0
7.0 - 7.49	0	0	0	0	0	0	0	0	0
7.5 - 7.99	0	0	0	0	0	0	0	0	0
8.0 - 8.49	0	0	0	0	0	0	0	0	0
8.5 - 8.99	0	0	0	0	0	0	0	0	0
9.0 - 9.49	0	0	0	0	0	0	0	0	0
9.5 - 9.99	0	0	0	0	0	0	0	0	0
10.0 - 10.49	0	0	0	0	0	0	0	0	0
10.5 - 10.99	0	0	0	0	0	0	0	0	0
11.0 - 11.49	0	0	0	0	0	0	0	0	0
11.5 - 11.99	0	0	0	0	0	0	0	0	0
12.0 - 12.49	2	0	0	0	0	0	0	0	0
12.5 - 12.99	3	0	0	1	0	0	0	0	0
13.0 - 13.49	21	0	0	2	0	0	8	0	0
13.5 - 13.99	68	0	1	7	0	0	13	0	0
14.0 - 14.49	33	0	1	3	0	1	11	0	1
14.5 - 14.99	19	1	0	2	0	0	3	0	0
15.0 - 15.49	10	0	1	3	0	0	4	0	0
15.5 - 15.99	9	0	0	1	0	0	4	0	0
16.0 - 16.49	10	0	0	1	0	0	4	0	0
16.5 - 16.99	10	0	0	0	0	0	2	0	0
17.0 - 17.49	11	0	0	0	0	0	4	0	0
17.5 - 17.99	12	0	1	3	0	0	1	0	0
18.0 - 18.49	6	0	1	2	0	0	0	0	0
18.5 - 18.99	7	0	1	1	1	0	1	0	0
19.0 - 19.49	9	3	3	0	1	0	0	0	0
19.5 - 19.99	3	0	1	0	1	0	0	0	0
20.0 - 20.49	1	9	0	0	4	0	0	0	0
20.5 - 20.99	1	4	1	0	1	0	0	1	0
21.0 - 21.49	1	2	0	0	0	0	0	0	0
21.5 - 21.99	0	0	0	0	0	0	0	0	0
22.0 - 22.49	0	0	0	0	0	0	0	0	0
22.5 - 22.99	0	0	0	0	0	0	0	0	0
23.0 - 23.49	0	0	0	0	0	0	0	0	0
23.5 - 23.99	0	0	0	0	0	0	0	0	0
24.0 - 24.49	0	0	0	0	0	0	0	0	0
24.5 - 24.99	0	0	0	0	0	0	0	0	0
25.0 - 25.49	0	0	0	0	0	0	0	0	0
25.5 - 25.99	0	0	0	0	0	0	0	0	0
26.0 - 26.49	0	0	0	0	0	0	0	0	0
26.5 - 26.99	0	0	0	0	0	0	0	0	0
27.0 - 27.49	0	0	0	0	0	0	0	0	0
27.5 - 27.99	0	0	0	0	0	0	0	0	0
28.0 - 28.49	0	0	0	0	0	0	0	0	0
28.5 - 28.99	0	0	0	0	0	0	0	0	0
29.0 - 29.49	0	0	0	0	0	0	0	0	0
29.5 - 29.99	0	0	0	0	0	0	0	0	0
30.0 - 30.49	0	0	0	0	0	0	0	0	0
30.5 - 30.99	0	0	0	0	0	0	0	0	0
31.0 - 31.49	0	0	0	0	0	0	0	0	0
31.5 - 31.99	0	0	0	0	0	0	0	0	0
TOTAL:	236	19	11	26	8	1	55	1	1

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LENGTH FREQUENCY OF SPEARED WALLEYE

BEFORE RECAPTURE SURVEY		SPEARING DATES:						SPEARING ADJUSTMENT USED? NO			
LENGTH INTERVAL (INCHES)	UNMARKED			MARKED			TOTAL			TOTAL	
	MALE	FEMALE	UNKNOWN	MALE	FEMALE	UNKNOWN	MALE	FEMALE	UNKNOWN		
5.0 - 5.99	0	0	0	0	0	0	0	0	0	0	
6.0 - 6.99	0	0	0	0	0	0	0	0	0	0	
7.0 - 7.99	0	0	0	0	0	0	0	0	0	0	
8.0 - 8.99	0	0	0	0	0	0	0	0	0	0	
9.0 - 9.99	0	0	0	0	0	0	0	0	0	0	
10.0 - 10.99	0	0	0	0	0	0	0	0	0	0	
11.0 - 11.99	0	0	0	0	0	0	0	0	0	0	
12.0 - 12.99	0	0	0	0	0	0	0	0	0	0	
13.0 - 13.99	0	0	0	0	0	0	0	0	0	0	
14.0 - 14.99	0	0	0	0	0	0	0	0	0	0	
15.0 - 15.99	0	0	0	0	0	0	0	0	0	0	
16.0 - 16.99	0	0	0	0	0	0	0	0	0	0	
17.0 - 17.99	0	0	0	0	0	0	0	0	0	0	
18.0 - 18.99	0	0	0	0	0	0	0	0	0	0	
19.0 - 19.99	0	0	0	0	0	0	0	0	0	0	
20.0 - 20.99	0	0	0	0	0	0	0	0	0	0	
21.0 - 21.99	0	0	0	0	0	0	0	0	0	0	
22.0 - 22.99	0	0	0	0	0	0	0	0	0	0	
23.0 - 23.99	0	0	0	0	0	0	0	0	0	0	
24.0 - 24.99	0	0	0	0	0	0	0	0	0	0	
25.0 - 25.99	0	0	0	0	0	0	0	0	0	0	
26.0 - 26.99	0	0	0	0	0	0	0	0	0	0	
27.0 - 27.99	0	0	0	0	0	0	0	0	0	0	
28.0 - 28.99	0	0	0	0	0	0	0	0	0	0	
29.0 - 29.99	0	0	0	0	0	0	0	0	0	0	
30.0 - 30.99	0	0	0	0	0	0	0	0	0	0	
31.0 - 31.99	0	0	0	0	0	0	0	0	0	0	
TOTAL:	0	0	0	0	0	0	0	0	0	0	

AFTER RECAPTURE SURVEY		SPEARING DATES:						SPEARING ADJUSTMENT USED? NO			
LENGTH INTERVAL (INCHES)	UNMARKED			MARKED			TOTAL			TOTAL	
	MALE	FEMALE	UNKNOWN	MALE	FEMALE	UNKNOWN	MALE	FEMALE	UNKNOWN		
5.0 - 5.99	0	0	0	0	0	0	0	0	0	0	
6.0 - 6.99	0	0	0	0	0	0	0	0	0	0	
7.0 - 7.99	0	0	0	0	0	0	0	0	0	0	
8.0 - 8.99	0	0	0	0	0	0	0	0	0	0	
9.0 - 9.99	0	0	0	0	0	0	0	0	0	0	
10.0 - 10.99	0	0	0	0	0	0	0	0	0	0	
11.0 - 11.99	0	0	0	0	0	0	0	0	0	0	
12.0 - 12.99	0	0	0	0	0	0	0	0	0	0	
13.0 - 13.99	0	0	0	0	0	0	0	0	0	0	
14.0 - 14.99	0	0	0	0	0	0	0	0	0	0	
15.0 - 15.99	0	0	0	0	0	0	0	0	0	0	
16.0 - 16.99	0	0	0	0	0	0	0	0	0	0	
17.0 - 17.99	0	0	0	0	0	0	0	0	0	0	
18.0 - 18.99	0	0	0	0	0	0	0	0	0	0	
19.0 - 19.99	0	0	0	0	0	0	0	0	0	0	
20.0 - 20.99	0	0	0	0	0	0	0	0	0	0	
21.0 - 21.99	0	0	0	0	0	0	0	0	0	0	
22.0 - 22.99	0	0	0	0	0	0	0	0	0	0	
23.0 - 23.99	0	0	0	0	0	0	0	0	0	0	
24.0 - 24.99	0	0	0	0	0	0	0	0	0	0	
25.0 - 25.99	0	0	0	0	0	0	0	0	0	0	
26.0 - 26.99	0	0	0	0	0	0	0	0	0	0	
27.0 - 27.99	0	0	0	0	0	0	0	0	0	0	
28.0 - 28.99	0	0	0	0	0	0	0	0	0	0	
29.0 - 29.99	0	0	0	0	0	0	0	0	0	0	
30.0 - 30.99	0	0	0	0	0	0	0	0	0	0	
31.0 - 31.99	0	0	0	0	0	0	0	0	0	0	
TOTAL:	0	0	0	0	0	0	0	0	0	0	

LAKE: PARENT L  
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SPAWNING POPULATION SIZE DISTRIBUTION

SIZE CLASS	INCH GROUP	NUMBER SAMPLED	SAMPLE PROPORTION	POPULATION ESTIMATE	ESTIMATED NUMBER	NUMBER SPEARED	PERCENT OF EST. NUMBER
0-11.9	5	0	N/A	1	0	0	N/A
	6	0	N/A		0	0	N/A
	7	0	N/A		0	0	N/A
	8	0	N/A		0	0	N/A
	9	0	N/A		0	0	N/A
	10	0	N/A		0	0	N/A
	11	0	N/A		0	0	N/A
	SUB-TOTAL:	0				0	N/A
12-14.9	12	6	0.037	210	8	0	0.00%
	13	98	0.605		127	0	0.00%
	14	58	0.358		75	0	0.00%
	SUB-TOTAL:	162				0	0.00%
15-19.9	15	24	0.214	165	35	0	0.00%
	16	21	0.188		31	0	0.00%
	17	27	0.241		40	0	0.00%
	18	19	0.170		28	0	0.00%
	19	21	0.188		31	0	0.00%
	SUB-TOTAL:	112				0	0.00%
20 +	20	21	0.875	70	61	0	0.00%
	21	3	0.125		9	0	0.00%
	22	0	0.000		0	0	N/A
	23	0	0.000		0	0	N/A
	24	0	0.000		0	0	N/A
	25	0	0.000		0	0	N/A
	26	0	0.000		0	0	N/A
	27	0	0.000		0	0	N/A
	28	0	0.000		0	0	N/A
	29	0	0.000		0	0	N/A
	30	0	0.000		0	0	N/A
31	0	0.000	0	0	N/A		
	SUB-TOTAL:	24				0	0.00%
SPAWNING TOTAL:		298		446	445	0	0.00%
UNKNOWN < 15":		3				0	
GRAND TOTAL:		301				0	

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DAILY SUMMARY AND COMMENTS

DATE: 4/26/2009 WATER TEMPERATURE: 43

COMMENTS:

Most fish collected from the east point. Did shock one full lap around the lake.

	NUMBER NEWLY MARKED	SPAWNING CONDITION (APPROX. PERCENTAGE)		
		HARD	RIPE	SPENT
MALES	132	0	100	0
FEMALES	11	95	5	0
UNKNOWN	8			
TOTAL	151			

DATE: 4/27/2009 WATER TEMPERATURE: 43

COMMENTS:

Nice night, no collection problems.

	NUMBER NEWLY MARKED	SPAWNING CONDITION (APPROX. PERCENTAGE)		
		HARD	RIPE	SPENT
MALES	104	0	100	0
FEMALES	8	95	5	0
UNKNOWN	3			
TOTAL	115			

DATE: 4/28/2009 WATER TEMPERATURE: 43

COMMENTS:

Recapture run, shocked entire shoreline

	NUMBER NEWLY MARKED	SPAWNING CONDITION (APPROX. PERCENTAGE)		
		HARD	RIPE	SPENT
MALES	26	0	100	0
FEMALES	8	90	5	5
UNKNOWN	1			
TOTAL	35			

Parent Lake  
Baraga County  
Marking Dates: 4/26-27/2009  
Recapture Date: 4/28/2009  
Main Spawning Area: - - - -  
Recapture Survey Route: . . .

