

Size structure indices indicate that the quality of the muskellunge population continues to increase.

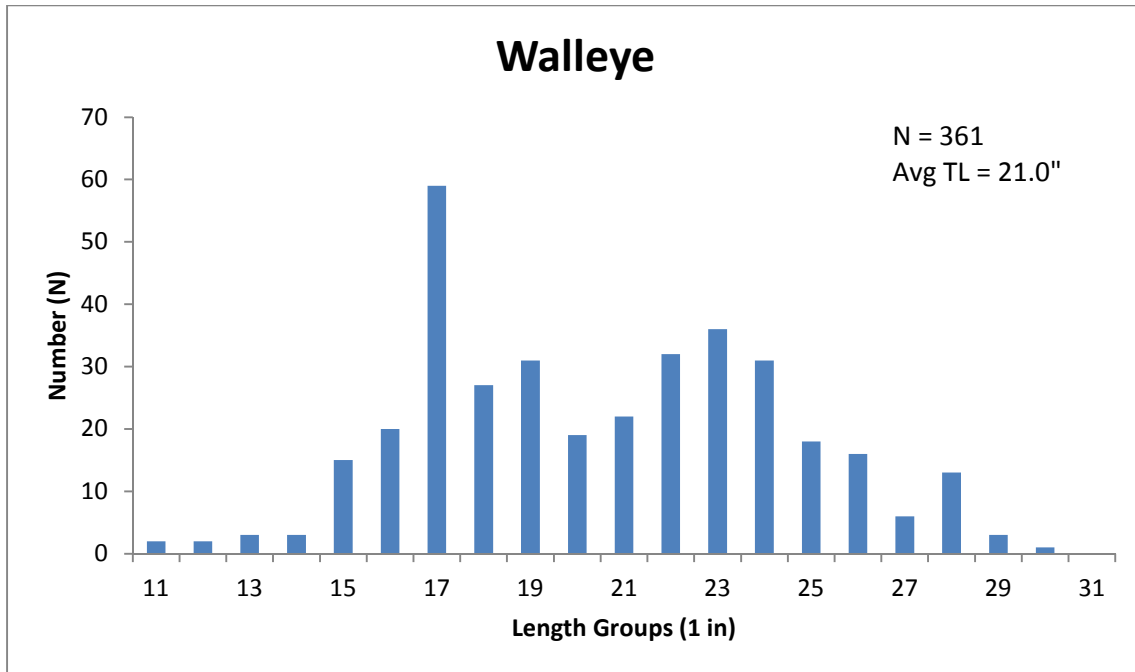
Year	PSD	RSD38	RSD42	RSD50	AVG TL (in)
2012	98	87	57	2	42.4
2007	99	84	37	2	41.0
2003	97	62	42	0	39.0
1998	97	48	21	0	37.0

Proportional stock density (PSD) is the proportion of muskellunge larger than 20" that are also larger than 30". Relative stock density (RSD) is the proportion of fish that are larger than 20" that are also larger than a specified length. On Sugar Lake we were interested in RSD38, RSD42 and RSD50.

Population Estimate:

2012: 105 < **222** < 513; 0.22 MUE > 30"/acre

2007: 144 < **268** < 549; 0.26 MUE > 30"/acre



Size structure indices indicate that the quality of the walleye population is similar to past ice-out surveys.

Year	PSD	RSD20	RSD24	RSD27	AVG TL (in)
2012	97	55	24	6	21.0
2007	99	54	27	12	21.1
2003	99	57	27	8	21.1
1998	98	56	27	4	21.0

Proportional stock density (PSD) is the proportion of the walleye larger than 10" that are also larger than 15". Relative stock density (RSD) is the proportion of fish that are larger than 10" that are also larger than a specified length. On Sugar Lake we were interested in RSD20, RSD24 and RSD27.