

Table 15.1 Minimum lengths for stock (*S*), quality (*Q*), preferred (*P*), memorable (*M*), and trophy (*T*) size categories; intercept (*a*), slope (*b*), and minimum total length (MTL) for standard weight equations (*W*) that have been proposed for 15 common North American fishes. Format of the standard weight equation is $\log_{10} W_i = a + b(\log_{10} \text{total length})$ and relative weight $W_r = W/W_s$, where *W* is the weight of the individual fish in grams. All lengths reported in mm total length. Table updated from Anderson and Neumann (1996) and Blackwell et al. (2000).

Species	Length categories					Source	Standard weight (<i>W</i>) equations			
	<i>S</i>	<i>Q</i>	<i>P</i>	<i>M</i>	<i>T</i>		MTL	<i>a</i>	<i>b</i>	Source
Bluegill	80	150	200	250	300	Gabelhouse (1984)	80	-5.374	3.316	Hillman (1982)
Brook trout (lentic)	200	330				Anderson (1980)	120	-5.186	3.103	Hyatt and Hubert (2001a)
Brook trout (lotic)	130	200				Anderson (1980)				
Brown trout (lentic)	200	300	400	500	600	Hyatt and Hubert (2001b)	140	-5.422	3.194	Hyatt and Hubert (2001b)
Brown trout (lotic)	150	230	300	380	460	Milewski and Brown (1994)	140	-4.867	2.960	Milewski and Brown (1994)
Channel catfish	280	410	610	710	910	Gabelhouse (1984)	70	-5.800	3.294	Brown et al. (1995)
Cutthroat trout (lentic) ^a	200	350	450	600	750	C. G. Kruse and W. A. Hubert (unpublished)	130	-5.189	3.099	Kruse and Hubert (1997)
Cutthroat trout (lotic) ^a	200	350	450	600	750	Kruse and Hubert (unpublished)	130	-5.192	3.086	Kruse and Hubert (1997)
Largemouth bass	200	300	380	510	630	Gabelhouse (1984)	150	-5.528	3.273	Henson (1991)
Northern pike	350	530	710	860	1,120	Gabelhouse (1984)	100	-5.437	3.096	Anderson and Naumann (1996)
Rainbow trout (lentic) ^a	250	400	500	650	800	D. G. Simpkins and and W. A. Hubert (unpublished)	120	-4.898	2.990	Simpkins and Hubert (1996)
Rainbow trout (lotic) ^a	250	400	500	650	800	Simpkins and Hubert (unpublished)	120	-5.023	3.024	Simpkins and Hubert (1996)
Smallmouth bass	180	280	350	430	510	Gabelhouse (1984)	150	-5.329	3.200	Kolander et al. (1993)
Striped bass (land- locked)	300	510	760	890	1,140	Gabelhouse (1984)	150	-4.924	3.007	Brown and Murphy (1991)
Walleye	250	380	510	630	760	Gabelhouse (1984)	150	-5.453	3.180	Murphy et al. (1990)
White bass	150	230	300	380	460	Gabelhouse (1984)	115	-5.066	3.081	Brown and Murphy (1991)
White crappie	130	200	250	300	380	Gabelhouse (1984)	100	-5.642	3.332	Neumann and Murphy (1991)
Yellow perch	130	200	250	300	380	Gabelhouse (1984)	100	-5.386	3.230	Willis et al. (1991)

^a Lentic and lotic length categories not differentiated.