

Supplementary Table. Equations used to estimate length and weight of prey found in stomachs of harbor porpoises (*Phocoena phocoena*) by using otoliths from intact skulls or whole bodies. Stomachs were collected from harbor porpoises caught incidentally as bycatch on the continental shelf off southern New England during 1994–2017. FL=fork length; OL=otolith length; ML=squid mantle length; LRL=lower rostral length (on a squid beak); W=weight; and L=length.

Scientific name	Common name	Length equation (mm)	Length equation source	Weight equation (cm and kg)	Weight equation source
<i>Alosa aestivalis</i>	Blueback herring	FL = 69.23 OL – 27.48 ^a	Recchia and Read, 1989	lnW = –12.2146 + 3.2428lnL	Wigley et al., 2003
<i>Alosa pseudoharengus</i>	Alewife	FL = 69.23 OL – 27.48 ^a	Recchia and Read, 1989	lnW = –13.3875 + 3.6716lnL	Wigley et al., 2003
<i>Ceratoscopelus maderensis</i>	Horned lanternfish	NA	NA	lnW = ln(0.00537) + 3.08lnL	Froese and Pauly, 2019
<i>Citharichthys arctifrons</i>	Gulf Stream flounder	FL = (39.737 OL – 14.141)	This study	lnW = –13.6310 + 3.3428lnL	This study
<i>Clupea harengus</i>	Atlantic herring	FL = 69.23 OL – 27.48	Recchia and Read, 1989	lnW = –11.7972 + 3.0314lnL	Wigley et al., 2003
Clupeidae	Clupeids	FL = 69.23 OL – 27.48 ^a	Recchia and Read, 1989	lnW = –11.7972 + 3.0314lnL	Wigley et al., 2003 ^a
<i>Doryteuthis (Amerigo) pealeii</i>	Longfin inshore squid	ML = 3.277 LRL + 39.77	This study	M = 0.25662(ML/10) ^{2.1582}	Lange and Johnson 1981
<i>Etropus microstomus</i>	Smallmouth flounder	FL = (39.737 OL – 14.141)/10 ^b	This study	lnW = –13.6310 + 3.3428lnL	This study ^b
Gadidae	Gadids	FL/10 = 1.525 OL ^{1.1456} ^c	Clay and Clay, 1991	lnW = –12.4378 + 3.1568lnL	Wigley et al., 2003 ^d
<i>Laemonema barbatulum</i>	Shortbeard codling	NA	NA	lnW = ln(0.0019) + 3.355lnL/10	Froese and Pauly, 2019
<i>Pepilus triacanthus</i>	Butterfish	FL = –13.1344 + 56.3944 OL	DuPaul and McEachran, 1973	lnW = –10.6315 + 2.9225lnL	Wigley et al., 2003
<i>Melanogrammus aeglefinus</i>	Haddock	ln(FL/10) = 2.97753 + 1.58465 ln OL	Hunt, 1992	lnW = –11.8062 + 3.0766lnL	Wigley et al., 2003
<i>Merluccius bilinearis</i>	Silver hake	ln(FL/10) = 3.01115 + 1.02758 ln OL	Hunt, 1992	lnW = –12.4934 + 3.1512 lnL	Wigley et al., 2003
Ophidiidea	Cusk-eels	FL = 35.264OL + 13.527	This study	lnW = –13.7333 + 3.2359lnL	Wigley et al., 2003 ^e
Pleuronectiformes	Flatfishes	FL = 39.737 OL – 14.141 ^b	This study	lnW = –13.6310 + 3.3428lnL	This study ^b
<i>Scomber scombrus</i>	Atlantic mackerel	FL/10 = 7.33 OL + 0.37	Clay and Clay, 1991	lnW = –12.6713 + 3.3119lnL	Wigley et al., 2003
Unidentified	Unidentified	NA	NA	Mean from all estimated weights	This study; Wigley et al., 2003; Froese and Pauly, 2019
Unidentified Decapodiformes	Squids	ML = 3.277 LRL + 39.77 ^f	This study	M = 0.25662(ML/10) ^{2.1582}	Lange and Johnson 1981
<i>Urophycis</i> spp.	True hakes	FL/10 = 1.525 OL ^{1.1456} ^c	Clay and Clay, 1991	lnW = –12.4378 + 3.1568lnL	Wigley et al., 2003 ^d
<i>Urophycis chuss</i>	Red hake	FL/10 = 1.525 OL ^{1.1456} ^c	Clay and Clay, 1991	lnW = –12.3743 + 3.0979lnL	Wigley et al., 2003
<i>Urophycis regia</i>	Spotted hake	FL/10 = 1.525 OL ^{1.1456} ^c	Clay and Clay, 1991	lnW = –11.9892 + 3.0823lnL	Wigley et al., 2003
<i>Urophycis tenuis</i>	White hake	FL/10 = 1.525 OL ^{1.1456} ^e	Clay and Clay, 1991	lnW = –12.9500 + 3.2903lnL	Wigley et al., 2003

^a Applied equation for the Atlantic herring (*Clupea harengus*).

^b Applied equation for the Gulf Stream flounder (*Citharichthys arctifrons*).

^c Applied equation for *Urophycis* species.

^d Averaged *a* and *b* across red (*Urophycis chuss*), white (*U. tenuis*), and spotted (*U. regia*) hakes from spring samples.

^e *a* and *b* used from the fawn cusk-eel (*Lepophidium profundorum*).

^f Applied equation for the longfin inshore squid, *Doryteuthis (Amerigo) pealeii*.