

Table S1. Prey taxa by prey categories used in overlap analysis

Prey Taxa	Prey Category
<i>Acanthomysis</i> spp.	Mysidae
<i>Acartia</i> spp.	<i>Acartia</i> spp.
<i>Ammodytes</i> spp.	<i>Ammodytes</i> spp.
Bivalves	Other
Brachyura	Brachyura
<i>Calanus</i> spp.	<i>Calanus</i> spp.
<i>Calanus marshallae</i>	<i>Calanus</i> spp.
<i>Calanus pacifica</i>	<i>Calanus</i> spp.
<i>Cancer</i> spp.	<i>Cancer</i> spp.
<i>Centropages abdominalis</i>	<i>C. abdominalis</i>
Chaetognatha	Chaetognatha
<i>Clione</i> spp.	Other
Cnidaria	Cnidaria
Copepoda	Copepoda
Cumacean	Other
Decapoda	Decapoda
<i>Epilabidocera amphitrites</i>	<i>E. amphitrites</i>
Euphausiid	Euphausiid
Fish egg	Fish egg
Fish, other	Fish, other
Fish, unidentified	Fish, unidentified
Gadidae	Gadidae
<i>Gadus chalcogrammus</i>	Gadidae
Gammaridae	Gammaridae
<i>Hyas</i> spp.	Brachyura
<i>Hyperia</i> spp.	Hyperiididae
Hyperiididae	Hyperiididae
Hyperiidea	Hyperiididae
<i>Hyperoche</i> spp.	Hyperiididae
Insect	Insect
<i>Limacina helicina</i>	<i>L. helicina</i>
<i>Mallotus villosus</i>	<i>M. villosus</i>
Mysidae	Mysidae

Prey Taxa	Prey Category
<i>Oikopleura</i> spp.	<i>Oikopleura</i> spp.
<i>Oithona similis</i>	<i>O. similis</i>
Other	Other
Paguridae	Decapoda
Pandalidae	Shrimp
<i>Parasagitta elegans</i>	Chaetognatha
<i>Podon</i> spp.	Other
<i>Pseudocalanus</i> spp.	<i>Pseudocalanus</i> spp.
Shrimp	Shrimp
<i>Themisto libellula</i>	Hyperiididae
<i>Themisto pacifica</i>	Hyperiididae
<i>Thysanoessa</i> spp.	Euphausiid
<i>Thysanoessa raschii</i>	Euphausiid
<i>Thysanoessa spinifera</i>	Euphausiid

Table S2. Similarity percentages (SIMPER) tests among species showing the prey contributing to the dissimilarity (up to ~50%) and the percent contribution to that dissimilarity (% cont.). Prey were only shown for those comparisons that were statistically different. The 2016 outer domain test showed no significant difference between species, therefore no pair-wise tests were run.

Species	Prey	% cont.
2014 Inner Domain		
Chum salmon, Pollock	<i>Calanus</i> spp.	21.3
	Fish, unidentified	17.1
	<i>Oikopleura</i> spp.	11.3
	Euphausiid	10.3
Chum salmon, Sockeye	Fish, unidentified	20.5
	<i>Oikopleura</i> spp.	14.9
	<i>E. amphitrites</i>	12.5
	Hyperiid	11.3
Chum salmon, Herring	Fish, unidentified	18.2
	<i>Oikopleura</i> spp.	13.0
	<i>Calanus</i> spp.	12.0
	<i>E. amphitrites</i>	11.0
Pollock, Sockeye	Fish, unidentified	46.67
	<i>Calanus</i> spp.	39.2
Pollock, Herring		
Sockeye, Herring		
2014 Middle Domain		
Pollock, Pacific cod	<i>Calanus</i> spp.	26.0
	Euphausiid	20.9
Pollock, Sockeye salmon	Fish, unidentified	28.4
	<i>Calanus</i> spp.	26.4
Pollock, Herring	Fish, unidentified	31.6
	<i>Calanus</i> spp.	28.4
Pollock, Sea nettle	<i>Calanus</i> spp.	16.7
	<i>L. helicina</i>	14.9
	Euphausiid	12.4
	Other**	9.1
Pacific cod, Sockeye	Fish, unidentified	28.3
	<i>Calanus</i> spp.	14.5

Species	Prey	% cont.
Pacific cod, Herring	Euphausiid	13.8
	Fish, unidentified	30.3
	Euphausiid	17.4
Sockeye, Sea nettle	<i>Calanus</i> spp.	16.0
	Fish, unidentified	19.1
	<i>L. helicina</i>	13.8
	<i>Calanus</i> spp.	9.7
Herring, Sea nettle	Other**	7.6
	Fish, unidentified	19.7
	<i>L. helicina</i>	14.2
	<i>Calanus</i> spp.	10.4
Pacific cod, Sea nettle	Euphausiid	7.9
Sockeye, Herring		
2014 Outer Domain		
Pollock, Pacific cod	Euphausiid	28.8
	Brachyura	23.6
Pollock, Sea nettle	Euphausiid	19.6
	<i>Cancer</i> spp.	19.2
	<i>L. helicina</i>	18.6
Pacific cod, Sea nettle		
2016 Inner Domain		
Chum salmon, Pollock	<i>Oikopleura</i> spp.	17.3
	<i>Calanus</i> spp.	9.1
	<i>C. abdominalis</i>	9.0
	Copepoda	8.9
	Cnidaria	8.3
Chum salmon, Sockeye	<i>Oikopleura</i> spp.	17.4
	Fish, unidentified	10.6
	Euphausiid	8.6
	Cnidaria	8.4
	Chaetognatha	7.6
Chum salmon, Sea nettle	<i>Pseudocalanus</i> spp.	12.3
	Other**	11.4

Species	Prey	% cont.
Pollock, Sea nettle	<i>Oikopleura</i> spp.	11.1
	<i>C. abdominalis</i>	10.4
	<i>Acartia</i> spp.	7.8
	<i>Pseudocalanus</i> spp.	14.0
	<i>C. abdominalis</i>	10.9
	Other**	8.9
	<i>Acartia</i> spp.	8.8
Sockeye, Sea nettle	Copepoda	8.4
	<i>Pseudocalanus</i> spp.	10.4
	Other**	10.0
	<i>C. abdominalis</i>	8.3
	<i>Acartia</i> spp.	7.2
	<i>O. similis</i>	6.8
	Euphausiid	6.4
Pollock, Sockeye		
2016 Middle Domain		
Chum salmon, Pollock	Gadidae	20.5
	Euphausiid	17.3
	Copepoda	16.5
Chum salmon, Sea nettle	<i>C. abdominalis</i>	15.9
	Gadidae	13.1
	<i>Pseudocalanus</i> spp.	11.5
	<i>O. similis</i>	9.5
Pink salmon, Pollock	Euphausiid	16.0
	Brachyura	15.9
	Copepoda	15.4
Pink salmon, Herring	Euphausiid	20.5
	Brachyura	17.3
	Fish, unidentified	14.3
Pink salmon, Sea nettle	<i>C. abdominalis</i>	15.1
	<i>Pseudocalanus</i> spp.	11.0
	Brachyura	10.7
	<i>O. similis</i>	9.1
	Fish, unidentified	7.3

Species	Prey	% cont.
Pollock, Sockeye	Gadidae	20.8
	Euphausiid	20.0
	Copepoda	18.2
Pollock, Sea nettle	<i>C. abdominalis</i>	18.7
	<i>Pseudocalanus</i> spp.	13.8
	Euphausiid	13.4
	Copepoda	12.5
Sockeye, Herring	Euphausiid	26.6
	Gadidae	20.0
	Fish, unidentified	16.3
Sockeye, Sea nettle	<i>C. abdominalis</i>	17.4
	Gadidae	12.7
	<i>Pseudocalanus</i> spp.	12.4
	<i>O. similis</i>	10.4
Herring, Sea nettle	<i>C. abdominalis</i>	17.5
	Euphausiid	15.7
	<i>Pseudocalanus</i> spp.	12.5
	<i>O. similis</i>	10.4
Chum salmon, Pink salmon		
Chum salmon, Sockeye		
Chum salmon, Herring		
Pink salmon, Sockeye		
Pollock, Herring		
2016 Outer Domain		
Pink salmon, Sockeye		

** ‘Other’ category includes Cumaceans, Cladocerans, Invertebrate eggs, Ostracods, and Bryozoans.

Table S3. Average Similarity from SIMPER tests in diets between/within groups for the Inner domain in 2014 (bottom of matrix) and 2016 (top of matrix). Bold values indicate no significant differences ($p \leq 0.05$) based on PERMANOVA tests between the diets of the two species.

	Sea nettle	Chum salmon	Pink salmon	Sockeye salmon	Pacific herring	Walleye pollock
Sea nettle	—	3.4	X	8.7	X	20.2
Chum salmon	X	—	X	11.6	X	1.1
Pink salmon	X	X	—	X	X	X
Sockeye salmon	X	32.5	X	—	X	15.7
Pacific herring	X	26.0	X	69.8	—	X
Walleye pollock	X	12.9	X	29.0	37.1	—

Table S4. Average Similarity from SIMPER tests in diets between/within groups for the Middle domain in 2014 (bottom of matrix) and 2016 (top of matrix). Bold values indicate no significant differences ($p \leq 0.05$) between the diets of the two species.

	Sea nettle	Chum salmon	Pink salmon	Sockeye salmon	Pacific cod	Pacific herring	Walleye pollock
Sea nettle	—	1.6	3.7	1.6	X	5.9	6.6
Chum salmon	X	—	30.8	31.8	X	21.9	6.0
Pink salmon	X	X	—	26.0	X	22.2	9.0
Sockeye salmon	7.4	X	X	—	X	16.7	3.8
Pacific cod	15.0	X	X	17.3	—	X	X
Pacific herring	4.8	X	X	46.3	18.7	—	28.4
Walleye pollock	19.8	X	X	13.1	26.6	17.4	—

Table S5. Average Similarity from SIMPER tests in diets between/within groups for the Outer domain in 2014 (bottom of matrix) and 2016 (top of matrix). Bold values indicate no significant differences ($p \leq 0.05$) between the diets of the two species.

	Sea nettle	Pink salmon	Sockeye salmon	Pacific cod	Walleye pollock
Sea nettle	—	X	X	X	X
Pink salmon	X	—	67.64	X	X
Sockeye salmon	X		—	X	X
Pacific cod	17.7	X	X	—	X
Walleye pollock	44.4	X	X	13.6	—

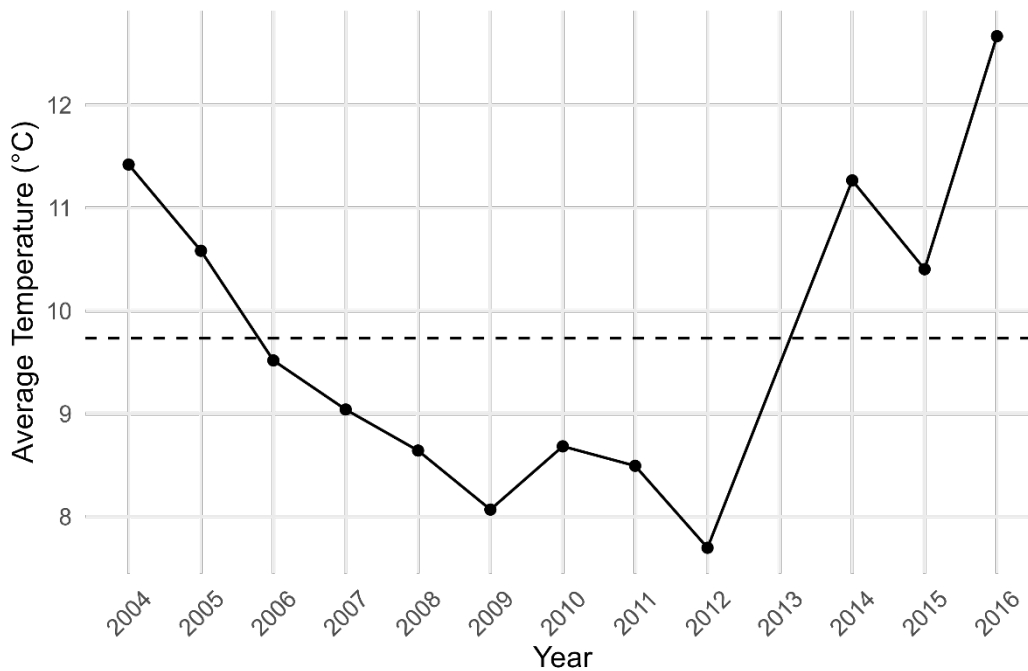


Figure S1. Average annual temperature of the upper 10 m at each station sampled in this study. The dashed line indicates the mean for the period 2004 to 2016.