

Trophodynamics and diet overlap of small pelagic fish species in the Bay of Biscay

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Table S1. Morphometric relationships used to calculate wet weight (WW) of prey (mg) from total length (TL) direct measurements (mm). Average length for each prey ('Prey species') were obtained from Bachiller & Irigoien (2013). Results from this equations were applied to the abundances of prey species (counts from stomach contents) to calculate the total weight of prey (26 prey groups defined in 'Prey [group level]', see "Materials and methods") in the diet composition of fish.

Prey (species)	Prey (group level)	Equation	Literature source
Gastropod.veliger. Prosobranchia	Gastropoda cl.	$TW = TL^3/24$	Isaacs et al., 1969
Bivalve.veliger <i>Podon.sp;</i> <i>Evadne.sp</i>	Bivalvia cl. Cladocera infraord.	$TW = 0.224TL^{3.353}$ $TW = 0.08TL^{2.1}$	Isaacs et al., 1969 Peters, 1983 ⁽¹⁾
Metridinidae.fam. <i>Acartia.spp</i>	Other Calanoids <i>Acartia spp.</i>	$\log TW = 3.643 \log TL - 9.756$ $TW = 0.009TL^{2.969}$	Mizdalski, 1988 ^{(2)(a)} Chislenko, 1968 ⁽³⁾
<i>Candacia.armata</i>	<i>Candacia armata</i>	$\log TW = 3.458 \log TL - 8.759$	Gruzov & Alekseyeva, 1970 ^{(2)(a)}
<i>Centropages.typicus</i>	<i>Centropages spp.</i>	$TW = 0.0214TL^{3.87}$	Anonymous, 1976 ⁽³⁾
<i>Centropages.chierchiae</i>	<i>Centropages spp.</i>	$TW = 0.02937TL^{3.0111}$	Chislenko, 1968 ⁽³⁾
<i>Isias.clavipes</i> <i>Temora.longicornis;</i> <i>T. stylifera</i>	Other Calanoids <i>Temora spp.</i>	$TW = 0.086TL^{2.809}$ $TW = 0.086TL^{2.809}$	Davis & Wiebe, 1985 Davis & Wiebe, 1985
<i>Eurytemora.spp</i>	Other Calanoids	$TW = 0.086TL^{2.809}$	Davis & Wiebe, 1985
Euchaetidae.fam. Calanidae.fam.; Calocalanidae.fam.	Other Calanoids Other Calanoids	$\log TW = 3.555 \log TL - 9.49$ $\log TW = 3.561 \log TL - 9.525$	Gruzov & Alekseyeva, 1970 ^{(2)(a)} Williams & Robins, 1982 ^{(2)(a)}
Eucalanidae.fam. Clausocalanidae.fam. Small Calanoid; Unidentified Calanoid	Other Calanoids Other Calanoids	$\log TW = 2.789 \log TL - 6.903$ $TW = 0.0237TL^{3.745}$ $TW = 0.015TL^{2.918}$	Gruzov & Alekseyeva, 1970 ^{(2)(a)} Anonymous, 1976 ⁽³⁾ Gruzov & Alekseyeva, 1970 ⁽³⁾
<i>Oithona.spp</i>	Other Cyclopoids	$TW = 0.0309TL^{3.069}$	Chislenko, 1968 ⁽³⁾
<i>Oncaea.spp</i>	<i>Oncaea spp.</i>	$TW = 0.086TL^{2.809}$	Davis & Wiebe, 1985
<i>Corycaeus.anglicus</i>	<i>Corycaeus anglicus</i>	$TW = 0.086TL^{2.809}$	Davis & Wiebe, 1985
<i>Euterpina.acutifrons</i>	<i>Euterpina acutifrons</i>	$TW = 0.086TL^{2.809}$	Davis & Wiebe, 1985
<i>Microsetella.spp</i>	<i>Microsetella spp.</i>	$TW = 0.086TL^{2.809}$	Davis & Wiebe, 1985

Prey (species)	Prey (group level)	Equation	Literature source
<i>Clytemnestra</i> .spp.;			
<i>Thalestris</i> .sp.;			
Caligidae.fam.	Other Harpacticoids	$TW = 0.086TL^{2.809}$	Davis & Wiebe, 1985
Copepod.Naupli	Copepod remains	$TW = 0.086TL^{2.809}$	Davis & Wiebe, 1985
Juvenile.Copepod	Juvenile copepods	$TW = 0.086TL^{2.809}$	Davis & Wiebe, 1985
Cirripedia.(nauplius)			
Cirripedia (adult)	Cirripedia infracl.	$TW = 0.08TL^{2.1}$	Peters, 1983 ⁽¹⁾
Unidentified.Mysid	Mysida ord.	$TW = 0.08TL^{2.1}$	Peters, 1983 ⁽¹⁾
Unidentified.Stomatopoda	Crustacean remains	$TW = 0.08TL^{2.1}$	Peters, 1983 ⁽¹⁾
Unidentified.Amphipod	Amphipoda ord.	$TW = 0.0466TL^{2.619}$	Isaacs et al., 1969
Unidentified.Isopod	Crustacean remains	$TW = 0.08TL^{2.1}$	Peters, 1983 ⁽¹⁾
Metanauplius;			
Calytopis larva;			
Furcilia larva;			
Euphausiid (adult)	Euphausiacea ord.	$TW = 0.0138TL^{3.071}$	Isaacs et al., 1969
Decapod (zoea larva)	Decapoda ord.	$TW = 0.0172TL^{2.546}$	Isaacs et al., 1969
Decapod (late larva)			
Decapod (adult)	Decapoda ord.	$TW = 0.01TL^{3.097}$	Isaacs et al., 1969
Polychaeta.larvae	Others	$TW = 0.0088TL^{2.909}$	Smith & Johnson, 1977
Siphonophorae	Others	$TW = TL^{1.1014}/2.158$	Isaacs et al., 1969
Anthomedusae	Others	$TW = 0.0924TL^{3.138}$	Isaacs et al., 1969
<i>Sagitta.setosa</i>	Others	$TW = 0.0005TL^{3.498}$	Isaacs et al., 1969
<i>Fritillaria</i> .sp.;			
<i>Oikopleura</i> .spp	Appendicularia cl.	$TW = 0.08TL^{2.1}$	Peters, 1983 ⁽¹⁾
Salpida	Others	$TW = 0.0052TL^{3.26}$	Isaacs et al., 1969
Fish eggs (<i>E. encrasicolus</i>)			
Fish eggs (others)	Fish eggs	$TW = 4 / 3(TL/2)^3$	Isaacs et al., 1969
Fish larva (<i>E. encrasicolus</i>)			
Fish larva (others)	Actinopterygii cl.	$TW = 0.0015TL^{2.986}$	Smith & Johnson, 1977

(a) WW in micrograms (μ g)

(1) in Richardson et al., 2006

(2) in Mauchline, 1998

(3) in Cohen & Lough, 1981

Table S2. Percentage of occurrence (%O), relative frequency in numbers (%N) and percentage of weight (%W) of preys found in stomachs of the small pelagic species in the three geographical areas (Cantabrian area, Adour-Arcachon area, Gironde area) depending on predefined total length ranges (TL < 130 mm; TL 130 – 230 mm; TL > 230 mm), in (a) spring and autumn, and (b) day and night sampling time. NA in %W means not available (e.g. for prey group ‘others’, no length – weight conversion equation could be applied since it consisted on >1 prey groups based on different species in each analysis).

(a) spring
E. encrasicolus

Prey	Cantabrian area			Adour-Arcachon area						Gironde area					
	TL 130 - 230 mm			TL < 130 mm			TL 130 - 230 mm			TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	26.67	0.42	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.27	0.16	0.04
<i>Candacia armata</i>	56.67	0.54	0.00	0.00	0.00	0.00	33.33	0.29	0.00	5.26	0.10	0.00	18.18	0.13	0.00
<i>Centropages</i> spp.	93.33	51.66	44.26	33.33	0.30	0.57	83.33	4.36	7.74	15.79	0.20	0.44	54.55	1.16	2.24
<i>Temora</i> spp.	60.00	0.64	0.73	83.33	2.92	10.12	75.00	7.96	17.42	52.63	19.49	62.53	90.91	23.25	38.15
Other Calanoids	100.00	31.11	14.52	100.00	4.03	2.70	100.00	55.74	53.41	68.42	21.76	11.21	90.91	58.82	42.37
<i>Corycaeus anglicus</i>	6.67	0.05	0.02	100.00	12.00	8.86	87.50	3.78	2.75	47.37	1.21	0.83	81.82	5.56	3.03
<i>Oncaea</i> spp.	20.00	0.06	0.01	100.00	2.62	0.25	62.50	1.32	0.26	78.95	35.99	3.17	100.00	8.61	1.25
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	3.33	0.02	0.00	100.00	42.74	7.92	41.67	0.41	0.12	47.37	2.78	0.48	9.09	0.03	0.01
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	8.33	0.03	0.17	10.53	0.15	0.04	18.18	0.05	0.24
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	20.00	0.14	0.01	100.00	23.49	2.17	50.00	0.47	0.05	89.47	16.15	1.39	63.64	0.68	0.06
Copepod remains	3.33	0.02	0.00	33.33	0.30	0.01	12.50	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	50.00	0.34	21.12	0.00	0.00	0.00	0.00	0.00	0.00	15.79	0.25	0.18	9.09	0.03	0.25
Decapoda ord.	23.33	0.09	0.39	16.67	0.10	0.07	37.50	0.14	0.30	26.32	0.71	19.24	27.27	0.21	0.30
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	4.17	0.05	4.16	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	36.67	0.17	0.03	66.67	0.81	0.26	83.33	0.84	0.27	42.11	0.56	0.17	18.18	0.05	0.01
Cladocera infraord.	10.00	0.01	0.01	33.33	0.30	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	70.00	14.04	2.91	16.67	0.10	0.05	45.83	23.03	9.25	0.00	0.00	0.00	27.27	0.32	0.10
Bivalvia cl.	6.67	0.03	0.00	83.33	5.95	0.93	12.50	0.04	0.01	0.00	0.00	0.00	9.09	0.11	0.01
Appendicularia cl.	3.33	0.02	0.08	0.00	0.00	0.00	0.00	0.00	0.00	5.26	0.05	0.32	0.00	0.00	0.00
Fish eggs	63.33	0.46	14.79	66.67	0.81	65.77	29.17	0.05	4.11	0.00	0.00	0.00	45.45	0.42	11.94
Actinopterygii cl.	13.33	0.11	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	16.67	0.06	NA	100.00	3.53	NA	41.67	1.47	NA	26.32	0.61	NA	45.45	0.42	NA

(a) spring

S. pilchardus

Prey	Cantabrian area						Adour-Arcachon area						Gironde area								
	TL 130 - 230 mm			TL > 230 mm			TL 130 - 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	22.22	0.28	0.00	0.00	0.00	0.00	14.81	0.23	0.01	0.00	0.00	0.00	0.00	0.00	0.00	26.47	0.52	0.03	66.67	0.20	0.01
<i>Candacia armata</i>	22.22	0.26	0.00	0.00	0.00	0.00	11.11	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.76	0.15	0.00	33.33	0.07	0.00
<i>Centropages</i> spp.	100.00	10.37	1.43	100.00	11.03	4.25	40.74	1.87	0.56	0.00	0.00	0.00	0.00	0.00	0.00	26.47	0.36	0.30	33.33	0.07	0.11
<i>Temora</i> spp.	66.67	2.80	0.53	66.67	3.45	1.04	22.22	3.34	1.26	33.33	0.31	0.05	33.33	2.28	12.43	55.88	43.02	31.36	100.00	58.18	77.38
Other Calanoids	100.00	66.57	12.29	100.00	65.86	8.75	100.00	30.94	11.25	66.67	14.69	1.00	66.67	0.43	1.04	73.53	18.62	11.85	100.00	19.32	11.27
<i>Corycaeus anglicus</i>	11.11	0.13	0.01	0.00	0.00	0.00	48.15	1.92	0.29	33.33	2.50	0.17	33.33	0.11	0.20	61.76	3.97	1.14	100.00	1.22	0.70
<i>Oncaea</i> spp.	29.63	0.66	0.01	66.67	0.69	0.02	66.67	17.32	0.60	66.67	13.75	0.19	66.67	58.31	23.89	94.12	19.33	1.28	100.00	12.48	1.44
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	3.70	0.01	0.00	0.00	0.00	0.00	51.85	3.06	0.21	66.67	8.44	0.17	100.00	1.41	0.99	55.88	5.61	0.75	66.67	4.50	0.75
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	3.70	0.09	0.06	0.00	0.00	0.00	33.33	0.11	0.13	8.82	0.02	0.02	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	59.26	0.98	0.01	0.00	0.00	0.00	77.78	9.00	0.13	100.00	24.69	0.19	33.33	34.42	7.55	79.41	2.48	0.07	100.00	1.15	0.07
Copepod remains	3.70	0.04	0.00	0.00	0.00	0.00	22.22	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.76	0.20	0.00	33.33	0.26	0.01
Euphausiacea ord.	22.22	0.16	1.13	33.33	0.69	0.00	7.41	0.09	0.06	0.00	0.00	0.00	0.00	0.00	0.00	8.82	0.11	0.24	0.00	0.00	0.00
Decapoda ord.	11.11	0.17	0.03	0.00	0.00	0.00	7.41	0.09	0.03	33.33	0.31	0.11	0.00	0.00	0.00	41.18	0.65	1.92	100.00	2.25	7.71
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	33.33	2.47	0.07	100.00	11.38	0.46	70.37	12.25	0.67	66.67	7.81	0.17	33.33	1.09	0.83	50.00	1.01	0.11	33.33	0.16	0.03
Cladocera infraord.	7.41	0.18	0.01	0.00	0.00	0.00	11.11	0.32	0.06	66.67	0.63	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	0.01	0.00	0.00	0.00	0.00
Gastropoda cl.	66.67	4.18	0.10	33.33	0.69	0.04	44.44	6.99	0.33	0.00	0.00	0.00	0.00	0.00	0.00	11.76	0.02	0.00	0.00	0.00	0.00
Bivalvia cl.	14.81	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	0.10	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	1.41	22.28	20.59	0.16	0.37	0.00	0.00	0.00
Fish eggs	88.89	9.71	84.20	100.00	6.21	85.45	81.48	6.99	84.48	66.67	17.50	97.93	66.67	0.33	30.66	64.71	3.13	50.55	33.33	0.01	0.51
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	25.93	0.85	NA	0.00	0.00	NA	51.85	4.84	NA	100.00	9.38	NA	33.33	0.11	NA	38.24	0.53	NA	33.33	0.13	NA

(a) spring

S. sprattus

Prey	Gironde area					
	TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	2.17	0.09	0.01	50.00	0.10	0.02
<i>Candacia armata</i>	0.00	0.00	0.00	25.00	0.27	0.00
<i>Centropages</i> spp.	13.04	0.34	0.76	50.00	0.36	0.66
<i>Temora</i> spp.	52.17	19.03	35.05	100.00	6.53	8.26
Other Calanoids	58.70	41.75	28.46	100.00	77.59	46.38
<i>Corycaeus anglicus</i>	63.04	7.30	6.17	100.00	6.46	3.77
<i>Oncaea</i> spp.	60.87	11.42	2.09	100.00	6.56	0.91
Other Cyclopoids	6.52	0.06	0.01	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	50.00	2.45	0.85	0.00	0.00	0.00
<i>Microsetella</i> spp.	2.17	0.01	0.01	0.00	0.00	0.00
Other Harpacticoids	2.17	0.05	0.03	0.00	0.00	0.00
Juvenile copepods	63.04	14.38	4.31	75.00	0.33	0.02
Copepod remains	2.17	0.01	0.00	0.00	0.00	0.00
Euphausiacea ord.	6.52	0.08	2.62	0.00	0.00	0.00
Decapoda ord.	8.70	1.27	1.32	25.00	0.03	0.03
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	30.43	0.59	0.18	0.00	0.00	0.00
Cladocera infraord.	15.22	0.39	0.36	75.00	0.60	0.40
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00	25.00	0.07	0.01
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	4.35	0.11	0.69	0.00	0.00	0.00
Fish eggs	23.91	0.55	17.07	100.00	1.09	39.54
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00
Others	6.52	0.12	NA	0.00	0.00	NA

(a) spring

T. trachurus

Prey	Cantabrian area						Adour-Arcachon area						Gironde area								
	TL 130 - 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candacia armata</i>	42.86	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14	1.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	28.57	0.78	0.65	16.67	12.50	0.42	0.00	0.00	0.00	0.00	0.00	0.00	7.14	12.11	0.62	0.00	0.00	0.00	0.00	0.00	0.00
<i>Temora</i> spp.	14.29	0.12	0.14	0.00	0.00	0.00	6.67	16.67	0.69	6.67	13.33	14.65	0.00	0.00	0.00	31.82	28.61	47.08	37.50	59.93	62.09
Other Calanoids	78.57	96.94	98.01	16.67	12.50	0.21	13.33	50.00	98.74	13.33	86.67	85.35	14.29	40.00	1.12	50.00	65.15	37.83	62.50	33.08	30.19
<i>Corycaeus anglicus</i>	7.14	0.06	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.18	2.74	1.60	25.00	3.96	1.56
<i>Oncaea</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.64	0.29	0.04	12.50	0.44	0.03
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.09	0.10	0.04	12.50	0.66	0.08
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	14.29	0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	0.00	0.00	0.00	33.33	37.50	65.18	0.00	0.00	0.00	0.00	0.00	0.00	14.29	18.95	88.75	4.55	0.05	0.80	12.50	0.06	1.63
Decapoda ord.	42.86	0.78	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	1.05	0.15	36.36	2.64	12.44	37.50	1.82	4.12
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14	2.11	6.09	0.00	0.00	0.00	12.50	0.06	0.30
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.09	0.24	0.08	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.55	0.19	0.10	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	7.14	0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00	16.67	12.50	34.19	4.35	0.31	32.37	0.00	0.00	0.00	7.14	0.53	2.59	0.00	0.00	0.00	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	1.05	0.68	0.00	0.00	0.00	0.00	0.00	0.00
Others	0.00	0.00	NA	16.67	25.00	NA	0.00	0.00	NA	0.00	0.00	NA	64.29	22.63	NA	0.00	0.00	NA	0.00	0.00	NA

(a) spring

T. mediterraneus

Prey	Cantabrian area			Gironde area					
	TL > 230 mm			TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candacia armata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Temora</i> spp.	0.00	0.00	0.00	6.25	8.33	0.01	0.00	0.00	0.00
Other Calanoids	35.00	60.67	9.91	6.25	8.33	0.01	0.00	0.00	0.00
<i>Corycaeus anglicus</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Oncaea</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	0.00	0.00	0.00	6.25	8.33	0.00	0.00	0.00	0.00
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	15.00	2.25	87.66	12.50	33.33	98.21	25.00	100.00	100.00
Decapoda ord.	30.00	3.93	2.43	12.50	16.67	0.53	0.00	0.00	0.00
Mysida ord.	0.00	0.00	0.00	6.25	25.00	1.24	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	5.00	33.15	NA	0.00	0.00	NA	0.00	0.00	NA

(a) spring

B. boops

Prey	Cantabrian area						Adour-Arcachon area						Gironde area								
	TL 130 - 230 mm			TL > 230 mm			TL 130 - 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	14.29	0.48	0.01	8.70	0.12	0.00	42.86	4.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.74	0.01	0.00	0.00	0.00
<i>Candacia armata</i>	57.14	12.44	0.00	43.48	7.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	57.14	9.57	1.03	56.52	32.08	2.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Temora</i> spp.	71.43	5.26	0.55	30.43	1.18	0.08	14.29	0.89	0.17	75.00	5.56	0.87	100.00	33.33	66.30	85.71	12.96	0.56	40.00	2.16	0.05
Other Calanoids	100.00	44.02	1.55	65.22	27.29	1.41	71.43	4.89	0.38	75.00	12.50	1.45	0.00	0.00	0.00	85.71	11.85	0.18	40.00	2.16	0.04
<i>Corycaeus anglicus</i>	0.00	0.00	0.00	4.35	0.08	0.00	0.00	0.00	0.00	25.00	1.39	0.07	100.00	33.33	24.80	14.29	0.37	0.01	20.00	1.62	0.01
<i>Oncaea</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.44	0.01	0.00	0.00	0.00	0.00	0.00	0.00	57.14	13.33	0.04	20.00	1.08	0.00
Other Cyclopoids	0.00	0.00	0.00	4.35	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	28.57	1.44	0.02	0.00	0.00	0.00	57.14	3.56	0.09	50.00	6.94	0.12	0.00	0.00	0.00	85.71	8.89	0.05	40.00	2.70	0.01
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	42.86	3.35	0.02	0.00	0.00	0.00	85.71	6.22	0.06	25.00	6.94	0.05	0.00	0.00	0.00	85.71	4.81	0.01	80.00	7.03	0.01
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.44	0.00	50.00	6.94	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	0.00	0.00	0.00	73.91	1.66	8.84	14.29	0.44	9.11	0.00	0.00	0.00	0.00	0.00	0.00	28.57	1.48	6.71	0.00	0.00	0.00
Decapoda ord.	28.57	0.96	2.23	26.09	0.49	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	2.70	6.87
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.86	22.96	87.75	40.00	48.11	86.67
Cirripedia infracl.	28.57	0.96	0.02	21.74	0.41	0.01	14.29	0.44	0.02	0.00	0.00	0.00	0.00	0.00	0.00	42.86	2.22	0.01	20.00	0.54	0.00
Cladocera infraord.	14.29	0.48	0.02	17.39	0.32	0.01	28.57	2.67	0.21	50.00	2.78	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00	4.35	0.32	0.00	14.29	0.44	0.01	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.37	0.00	0.00	0.00	0.00
Bivalvia cl.	14.29	0.96	0.01	0.00	0.00	0.00	14.29	0.44	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	4.35	0.12	0.02	100.00	37.33	21.03	75.00	26.39	10.35	0.00	0.00	0.00	28.57	5.93	0.74	0.00	0.00	0.00
Fish eggs	85.71	18.18	94.55	69.57	22.67	85.71	10.00	11.05	5.42	66.67	3.10	2.99	0.00	0.00	0.00	16.67	3.10	2.99	20.00	11.05	5.42
Actinopterygii cl.	0.00	0.00	0.00	4.35	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.74	0.28	80.00	10.27	0.96
Others	42.86	1.91	NA	69.57	6.12	NA	71.43	28.44	NA	75.00	15.28	NA	100.00	33.33	NA	85.71	10.74	NA	40.00	11.35	NA

(a) spring

S. scombrus

Prey	Cantabrian area						Adour-Arcachon area						Gironde area								
	TL 130 - 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm			TL > 230 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	33.33	2.07	0.00	36.84	1.05	0.05	100.00	12.50	14.89	9.09	2.63	0.14	11.76	5.88	0.12	50.00	1.91	0.00	41.18	0.66	0.08
<i>Candacia armata</i>	33.33	0.35	0.00	5.26	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	1.27	0.00	17.65	0.14	0.00
<i>Centropages</i> spp.	83.33	3.63	0.05	63.16	86.44	38.23	0.00	0.00	0.00	0.00	0.00	0.00	5.88	1.96	0.37	75.00	5.10	0.17	41.18	0.16	0.16
<i>Temora</i> spp.	16.67	0.35	0.01	21.05	0.43	0.19	0.00	0.00	0.00	9.09	2.63	2.86	11.76	5.88	1.12	100.00	25.48	1.10	88.24	69.62	72.21
Other Calanoids	100.00	34.72	0.08	36.84	6.95	1.22	100.00	33.33	49.31	27.27	44.74	10.21	17.65	27.45	2.72	100.00	32.48	0.30	82.35	19.10	7.09
<i>Corycaeus anglicus</i>	16.67	0.17	0.00	21.05	0.31	0.06	0.00	0.00	0.00	9.09	5.26	1.56	5.88	1.96	0.15	50.00	1.91	0.02	70.59	2.25	0.94
<i>Oncaea</i> spp.	0.00	0.00	0.00	5.26	0.10	0.00	100.00	4.17	2.28	18.18	7.89	0.66	5.88	1.96	0.03	100.00	19.11	0.06	82.35	1.36	0.13
Other Cyclopoids	0.00	0.00	0.00	5.26	0.29	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.76	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00	0.00	0.00	0.00	100.00	12.50	11.53	9.09	2.63	0.31	5.88	1.96	0.06	0.00	0.00	0.00	52.94	2.39	0.39
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	5.26	0.01	0.20	0.00	0.00	0.00	0.00	0.00	0.00	11.76	3.92	27.23	0.00	0.00	0.00	11.76	0.07	0.99
Juvenile copepods	50.00	1.90	0.00	10.53	0.20	0.01	100.00	25.00	8.86	18.18	15.79	0.74	5.88	5.88	0.10	25.00	0.64	0.00	64.71	1.28	0.12
Copepod remains	16.67	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.88	0.07	0.00
Euphausiacea ord.	100.00	2.42	79.35	63.16	1.85	36.79	0.00	0.00	0.00	0.00	0.00	0.00	5.88	1.96	20.34	25.00	1.27	94.29	29.41	0.21	1.00
Decapoda ord.	0.00	0.00	0.00	15.79	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	11.76	5.88	2.33	100.00	6.37	0.50	58.82	1.70	8.64
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.88	0.00	0.01
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	16.67	0.17	0.00	47.37	0.82	0.05	0.00	0.00	0.00	0.00	0.00	0.00	5.88	1.96	0.05	0.00	0.00	0.00	23.53	0.28	0.04
Cladocera infraord.	0.00	0.00	0.00	15.79	0.04	0.01	100.00	4.17	13.13	18.18	5.26	1.57	5.88	5.88	0.55	0.00	0.00	0.00	5.88	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00	10.53	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.88	0.20	0.03
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.76	0.08	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	100.00	54.06	20.50	78.95	1.26	22.86	0.00	0.00	0.00	9.09	2.63	61.34	11.76	3.92	22.30	50.00	3.82	3.54	47.06	0.17	8.08
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.09	2.63	20.62	29.41	9.80	22.52	0.00	0.00	0.00	29.41	0.00	0.01
Others	0.00	0.00	NA	15.79	0.05	NA	100.00	8.33	NA	18.18	7.89	NA	17.65	13.73	NA	25.00	0.64	NA	29.41	0.27	NA

(a) spring

S. colias

Prey	Adour-Arcachon area		
	TL > 230 mm		
	%O	%N	%W
<i>Acartia</i> spp.	0.00	0.00	0.00
<i>Candacia armata</i>	20.00	6.90	0.00
<i>Centropages</i> spp.	40.00	13.79	4.27
<i>Temora</i> spp.	20.00	6.90	0.92
Other Calanoids	60.00	13.79	1.63
<i>Corycaeus anglicus</i>	0.00	0.00	0.00
<i>Oncaea</i> spp.	0.00	0.00	0.00
Other Cyclopoids	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00
Juvenile copepods	0.00	0.00	0.00
Copepod remains	0.00	0.00	0.00
Euphausiacea ord.	20.00	27.59	0.00
Decapoda ord.	20.00	3.45	0.79
Mysida ord.	20.00	13.45	85.45
Amphipoda ord.	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00
Bivalvia cl.	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00
Fish eggs	4.00	3.45	15.77
Actinopterygii cl.	10.00	1.45	0.98
Others	20.00	10.34	NA

(a) autumn
E. encrasicolus

Prey	Cantabrian area			Adour-Arcachon area			Gironde area					
	TL 130 - 230 mm			TL < 130 mm			TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	30.00	0.26	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candacia armata</i>	10.00	0.05	0.00	10.00	7.14	0.00	25.00	0.25	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	50.00	3.83	29.08	0.00	0.00	0.00	50.00	0.50	0.71	33.33	0.36	0.44
<i>Temora</i> spp.	40.00	0.37	4.62	0.00	0.00	0.00	100.00	33.91	73.11	100.00	37.42	68.24
Other Calanoids	90.00	1.42	2.28	0.00	0.00	0.00	100.00	36.63	19.07	100.00	22.34	14.44
<i>Corycaeus anglicus</i>	70.00	1.26	3.89	0.00	0.00	0.00	100.00	4.70	2.64	100.00	6.45	3.43
<i>Oncaea</i> spp.	80.00	67.87	26.92	0.00	0.00	0.00	100.00	3.22	0.23	100.00	5.45	0.77
Other Cyclopoids	10.00	0.10	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	80.00	4.99	3.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Microsetella</i> spp.	80.00	6.93	9.20	0.00	0.00	0.00	75.00	1.49	0.36	66.67	0.73	3.22
Other Harpacticoids	0.00	0.00	0.00	10.00	7.14	44.54	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	40.00	0.79	0.30	0.00	0.00	0.00	100.00	7.18	0.51	100.00	8.72	0.72
Copepod remains	60.00	2.26	0.36	0.00	0.00	0.00	25.00	0.25	0.01	50.00	0.27	0.01
Euphausiacea ord.	10.00	0.10	0.00	20.00	14.29	1.89	0.00	0.00	0.00	16.67	0.09	0.85
Decapoda ord.	50.00	0.52	14.85	40.00	42.86	53.57	25.00	0.50	0.27	16.67	0.27	0.21
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.67	0.09	5.05
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	10.00	0.05	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	10.00	0.10	0.20	0.00	0.00	0.00	100.00	8.42	2.91	100.00	6.27	1.84
Bivalvia cl.	20.00	0.10	0.07	0.00	0.00	0.00	75.00	1.49	0.18	83.33	7.18	0.77
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	80.00	8.98	NA	30.00	28.57	NA	75.00	1.49	NA	83.33	4.36	NA

(a) autumn

S. pilchardus

Prey	Adour-Arcachon area						Gironde area					
	TL 130 - 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	10.53	0.18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.02	0.00
<i>Candacia armata</i>	42.11	0.54	0.00	100.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	47.37	0.54	0.25	100.00	4.19	2.13	66.67	0.44	0.49	28.57	0.12	0.06
<i>Temora</i> spp.	100.00	52.65	54.95	100.00	3.26	2.85	100.00	28.80	54.77	100.00	22.03	24.59
Other Calanoids	100.00	34.00	24.92	100.00	61.40	18.41	100.00	61.15	43.29	100.00	63.08	53.74
<i>Corycaeus anglicus</i>	47.37	0.42	0.13	100.00	1.40	0.39	100.00	1.62	0.87	85.71	1.22	0.40
<i>Oncaea</i> spp.	63.16	1.61	0.11	100.00	5.12	0.29	100.00	1.33	0.16	100.00	2.61	0.20
Other Cyclopoids	5.26	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	21.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.43	0.43	0.07
<i>Microsetella</i> spp.	5.26	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	89.47	6.39	0.18	100.00	19.07	0.59	100.00	5.91	0.38	100.00	8.43	0.26
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.02	0.00
Euphausiacea ord.	47.37	0.61	1.38	100.00	0.93	3.73	0.00	0.00	0.00	0.00	0.00	0.00
Decapoda ord.	89.47	0.82	0.59	100.00	0.47	0.98	0.00	0.00	0.00	14.29	0.02	0.02
Mysida ord.	5.26	0.03	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.15	0.01	28.57	0.05	0.00
Bivalvia cl.	10.53	0.04	0.00	0.00	0.00	0.00	33.33	0.15	0.03	57.14	0.62	0.03
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	68.42	0.43	16.54	100.00	2.33	70.62	0.00	0.00	0.00	57.14	0.50	20.63
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	89.47	1.66	NA	100.00	1.40	NA	66.67	0.44	NA	71.43	0.84	NA

(a) autumn

S. sprattus

Prey	Gironde area		
	TL < 130 mm		
	%O	%N	%W
<i>Acartia</i> spp.	20.00	0.06	0.00
<i>Candacia armata</i>	10.00	0.01	0.00
<i>Centropages</i> spp.	20.00	0.08	0.06
<i>Temora</i> spp.	100.00	78.75	94.72
Other Calanoids	100.00	19.41	4.89
<i>Corycaeus anglicus</i>	70.00	0.42	0.16
<i>Oncaea</i> spp.	70.00	0.45	0.04
Other Cyclopoids	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00
Juvenile copepods	70.00	0.63	0.08
Copepod remains	0.00	0.00	0.00
Euphausiacea ord.	10.00	0.04	0.03
Decapoda ord.	20.00	0.05	0.02
Mysida ord.	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00
Gastropoda cl.	10.00	0.04	0.00
Bivalvia cl.	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00
Others	10.00	0.04	NA

(a) autumn

T. trachurus

Prey	Adour-Arcachon area									Gironde area					
	TL < 130 mm			TL 130 - 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	0.00	0.00	0.00	41.67	0.73	0.05	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.04	0.00
<i>Candacia armata</i>	0.00	0.00	0.00	66.67	5.51	0.00	0.00	0.00	0.00	10.00	0.05	0.00	10.00	0.04	0.00
<i>Centropages</i> spp.	0.00	0.00	0.00	8.33	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Temora</i> spp.	7.14	1.26	4.72	66.67	35.76	53.73	0.00	0.00	0.00	100.00	36.70	60.11	90.00	29.47	35.64
Other Calanoids	42.86	96.85	84.70	66.67	53.30	17.62	50.00	12.50	0.36	100.00	58.05	32.84	100.00	67.96	60.40
<i>Corycaeus anglicus</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	1.27	0.64	30.00	0.38	0.15
<i>Oncaea</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	0.18	0.02	10.00	0.04	0.00
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	0.00	0.00	0.00	8.33	0.05	0.01	0.00	0.00	0.00	40.00	0.86	0.07	60.00	0.64	0.08
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	0.00	0.00	0.00	66.67	2.74	20.80	50.00	75.00	99.64	10.00	0.05	0.65	0.00	0.00	0.00
Decapoda ord.	35.71	1.58	10.44	75.00	0.79	7.03	0.00	0.00	0.00	10.00	0.05	0.13	0.00	0.00	0.00
Mysida ord.	0.00	0.00	0.00	16.67	0.02	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.05	5.37	10.00	0.04	3.54
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.17	0.03
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	7.14	0.32	0.14	8.33	0.10	0.02	0.00	0.00	0.00	70.00	0.90	0.17	60.00	0.98	0.16
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00	8.33	0.01	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	0.00	0.00	NA	16.67	0.93	NA	25.00	12.50	NA	30.00	1.86	NA	20.00	0.21	NA

(a) autumn

T. mediterraneus

Prey	Cantabrian area			Gironde area		
	TL < 130 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	30.00	0.64	0.03	0.00	0.00	0.00
<i>Candacia armata</i>	50.00	0.64	0.00	20.00	0.50	0.00
<i>Centropages</i> spp.	90.00	26.06	9.65	20.00	0.50	0.79
<i>Temora</i> spp.	70.00	5.14	4.17	80.00	30.65	57.24
Other Calanoids	90.00	66.34	7.76	80.00	62.81	39.95
<i>Corycaeus anglicus</i>	40.00	0.48	0.07	40.00	3.02	1.58
<i>Oncaea</i> spp.	10.00	0.48	0.02	20.00	0.50	0.08
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	0.00	0.00	0.00	0.00	0.00	0.00
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	50.00	0.20	77.83	0.00	0.00	0.00
Decapoda ord.	0.00	0.00	0.00	0.00	0.00	0.00
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	10.00	0.02	0.48	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00	40.00	1.51	0.35
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	20.00	0.50	0.00
Others	0.00	0.00	NA	0.00	0.00	NA

(a) autumn

S. scombrus

Prey	Adour-Arcachon area						Gironde area					
	TL 130 - 230 mm			TL > 230 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	18.18	1.08	0.01	22.22	1.24	0.01	0.00	0.00	0.00	5.26	1.25	0.12
<i>Candacia armata</i>	18.18	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	54.55	2.98	0.21	11.11	0.41	0.02	0.00	0.00	0.00	0.00	0.00	0.00
<i>Temora</i> spp.	63.64	21.68	2.14	77.78	16.18	0.85	100.00	100.00	100.00	52.63	30.00	31.48
Other Calanoids	72.73	12.20	0.19	66.67	10.37	0.06	0.00	0.00	0.00	42.11	17.50	6.99
<i>Corycaeus anglicus</i>	27.27	1.36	0.04	0.00	0.00	0.00	0.00	0.00	0.00	10.53	3.75	1.27
<i>Oncaea</i> spp.	72.73	5.15	0.04	0.00	0.00	0.00	0.00	0.00	0.00	26.32	13.75	1.04
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	36.36	1.08	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	63.64	6.23	0.03	11.11	0.41	0.00	0.00	0.00	0.00	21.05	11.25	0.87
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	18.18	0.54	0.13	22.22	1.24	0.24	0.00	0.00	0.00	15.79	3.75	9.52
Decapoda ord.	54.55	36.86	67.39	44.44	3.32	2.79	0.00	0.00	0.00	0.00	0.00	0.00
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	9.09	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	27.27	1.08	2.37	11.11	0.41	0.81	0.00	0.00	0.00	5.26	1.25	48.72
Actinopterygii cl.	9.09	0.54	0.00	11.11	0.41	0.00	0.00	0.00	0.00	57.89	17.50	0.00
Others	27.27	8.40	NA	66.67	65.98	NA	0.00	0.00	NA	0.00	0.00	NA

(a) autumn

S. colias

Prey	Adour-Arcachon area						Gironde area					
	TL 130 - 230 mm			TL > 230 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	41.67	0.33	0.01	100.00	3.67	0.00	0.00	0.00	0.00	14.29	0.53	0.01
<i>Candacia armata</i>	50.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	25.00	0.98	0.25	0.00	0.00	0.00	33.33	0.69	0.60	28.57	1.60	0.44
<i>Temora</i> spp.	91.67	24.76	9.52	100.00	12.84	0.38	100.00	49.31	68.56	100.00	47.06	17.87
Other Calanoids	100.00	11.07	0.80	100.00	27.52	0.11	100.00	39.31	28.81	100.00	12.30	1.17
<i>Corycaeus anglicus</i>	16.67	0.13	0.01	0.00	0.00	0.00	100.00	3.79	1.28	28.57	1.60	0.20
<i>Oncaea</i> spp.	25.00	0.72	0.02	0.00	0.00	0.00	100.00	3.10	0.28	71.43	6.42	0.13
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	8.33	0.07	0.01	0.00	0.00	0.00	33.33	0.34	0.16	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	100.00	0.92	0.13	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	66.67	2.35	0.06	100.00	1.83	0.00	100.00	3.45	0.32	71.43	10.70	0.30
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	91.67	24.36	41.08	100.00	0.92	5.73	0.00	0.00	0.00	0.00	0.00	0.00
Decapoda ord.	91.67	23.19	13.09	100.00	2.75	0.09	0.00	0.00	0.00	42.86	6.42	2.53
Mysida ord.	8.33	0.20	1.97	0.00	0.00	0.00	0.00	0.00	0.00	28.57	1.60	24.62
Amphipoda ord.	8.33	0.07	1.68	100.00	0.92	1.20	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	41.67	1.89	12.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	25.00	0.26	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	7.49	5.71
Fish eggs	41.67	0.72	9.52	100.00	0.92	0.54	0.00	0.00	0.00	14.29	0.53	4.01
Actinopterygii cl.	8.33	0.20	0.21	0.00	0.00	0.00	0.00	0.00	0.00	42.86	2.14	11.14
Others	66.67	7.49	NA	100.00	47.71	NA	0.00	0.00	NA	18.57	1.60	NA

(b) day time
E. encrasicolus

Prey	Cantabrian area			Adour-Arcachon area						Gironde area					
	TL < 130 mm			TL < 130 mm			TL 130 - 230 mm			TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	30.00	0.26	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candacia armata</i>	10.00	0.05	0.00	6.25	0.10	0.00	0.00	0.00	0.00	25.00	0.25	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	50.00	3.83	29.08	12.50	0.30	0.52	0.00	0.00	0.00	50.00	0.50	0.71	33.33	0.36	0.44
<i>Temora</i> spp.	40.00	0.37	4.62	31.25	2.88	9.33	25.00	0.63	0.40	100.00	33.91	73.11	100.00	37.42	68.24
Other Calanoids	90.00	1.42	2.28	37.50	3.98	2.49	100.00	11.39	2.66	100.00	36.63	19.07	100.00	22.34	14.44
<i>Corycaeus anglicus</i>	70.00	1.26	3.89	37.50	11.83	8.17	100.00	22.78	4.77	100.00	4.70	2.64	100.00	6.45	3.43
<i>Oncaea</i> spp.	80.00	67.87	26.92	37.50	2.58	0.23	75.00	3.80	0.21	100.00	3.22	0.23	100.00	5.45	0.77
Other Cyclopoids	10.00	0.10	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	80.00	4.99	3.86	37.50	42.15	7.31	100.00	14.56	1.19	0.00	0.00	0.00	0.00	0.00	0.00
<i>Microsetella</i> spp.	80.00	6.93	9.20	0.00	0.00	0.00	0.00	0.00	0.00	75.00	1.49	0.36	66.67	0.73	3.22
Other Harpacticoids	0.00	0.00	0.00	6.25	0.10	3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	40.00	0.79	0.30	37.50	23.16	2.00	100.00	24.68	0.81	100.00	7.18	0.51	100.00	8.72	0.72
Copepod remains	60.00	2.26	0.36	12.50	0.30	0.01	50.00	1.27	0.02	25.00	0.25	0.01	50.00	0.27	0.01
Euphausiacea ord.	10.00	0.10	0.00	12.50	0.20	0.15	0.00	0.00	0.00	0.00	0.00	0.00	16.67	0.09	0.85
Decapoda ord.	50.00	0.52	14.85	31.25	0.70	4.22	50.00	1.90	0.99	25.00	0.50	0.27	16.67	0.27	0.21
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.67	0.09	5.05
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	10.00	0.05	0.07	25.00	0.80	0.24	50.00	1.27	0.11	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	12.50	0.30	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	10.00	0.10	0.20	6.25	0.10	0.04	0.00	0.00	0.00	100.00	8.42	2.91	100.00	6.27	1.84
Bivalvia cl.	20.00	0.10	0.07	31.25	5.86	0.86	50.00	1.27	0.05	75.00	1.49	0.18	83.33	7.18	0.77
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00	25.00	0.80	60.67	100.00	3.16	88.80	0.00	0.00	0.00	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	80.00	8.98	NA	56.25	3.88	NA	50.00	13.29	NA	75.00	1.49	NA	83.33	4.36	NA

(b) day time

S. pilchardus

Prey	Adour-Arcachon area						Gironde area								
	TL 130 - 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	15.38	0.19	0.01	0.00	0.00	0.00	0.00	0.00	0.00	46.67	0.54	0.03	50.00	0.14	0.01
<i>Candacia armata</i>	30.77	0.52	0.00	25.00	0.19	0.00	0.00	0.00	0.00	20.00	0.15	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	34.62	0.52	0.22	25.00	1.68	0.30	66.67	0.44	0.49	33.33	0.13	0.10	0.00	0.00	0.00
<i>Temora</i> spp.	73.08	51.08	47.90	50.00	1.50	0.44	100.00	28.80	54.77	100.00	46.88	32.14	100.00	63.20	82.59
Other Calanoids	100.00	33.32	21.89	75.00	33.46	3.43	100.00	61.15	43.29	100.00	21.32	13.88	100.00	13.59	7.94
<i>Corycaeus anglicus</i>	53.85	0.49	0.14	50.00	2.06	0.20	100.00	1.62	0.87	93.33	4.13	1.09	100.00	1.19	0.67
<i>Oncaea</i> spp.	73.08	1.95	0.13	75.00	10.28	0.20	100.00	1.33	0.16	100.00	13.78	0.85	100.00	13.23	1.50
Other Cyclopoids	3.85	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	42.31	0.41	0.05	50.00	5.05	0.14	0.00	0.00	0.00	86.67	5.91	0.73	100.00	4.95	0.81
<i>Microsetella</i> spp.	3.85	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	13.33	0.01	0.02	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	92.31	7.24	0.19	100.00	22.43	0.24	100.00	5.91	0.38	80.00	1.42	0.04	100.00	1.19	0.08
Copepod remains	7.69	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	26.67	0.20	0.00	50.00	0.29	0.01
Euphausiacea ord.	34.62	0.59	1.20	25.00	0.37	0.52	0.00	0.00	0.00	20.00	0.12	0.23	0.00	0.00	0.00
Decapoda ord.	65.38	0.80	0.51	50.00	0.37	0.23	0.00	0.00	0.00	60.00	0.51	1.58	100.00	1.88	5.79
Mysida ord.	3.85	0.03	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	11.54	0.07	0.01	50.00	4.67	0.14	0.00	0.00	0.00	46.67	0.96	0.09	50.00	0.18	0.03
Cladocera infraord.	11.54	0.05	0.02	50.00	0.37	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.67	0.01	0.00	0.00	0.00	0.00
Gastropoda cl.	3.85	0.01	0.00	0.00	0.00	0.00	33.33	0.15	0.01	13.33	0.01	0.00	0.00	0.00	0.00
Bivalvia cl.	7.69	0.04	0.00	0.00	0.00	0.00	33.33	0.15	0.03	33.33	0.18	0.01	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	76.92	0.88	26.94	75.00	11.40	94.12	0.00	0.00	0.00	80.00	3.26	49.21	50.00	0.01	0.56
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	84.62	1.73	NA	100.00	6.17	NA	66.67	0.44	NA	73.33	0.49	NA	50.00	0.14	NA

(b) day time

S. sprattus

Prey	Gironde area					
	TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	11.54	0.09	0.01	50.00	0.10	0.02
<i>Candacia armata</i>	3.85	0.01	0.00	25.00	0.27	0.00
<i>Centropages</i> spp.	26.92	0.24	0.28	50.00	0.36	0.66
<i>Temora</i> spp.	92.31	53.48	79.62	100.00	6.53	8.26
Other Calanoids	96.15	34.05	12.39	100.00	77.59	46.38
<i>Corycaeus anglicus</i>	84.62	3.25	1.55	100.00	6.46	3.77
<i>Oncaea</i> spp.	88.46	3.79	0.39	100.00	6.56	0.91
Other Cyclopoids	11.54	0.03	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	42.31	0.99	0.19	0.00	0.00	0.00
<i>Microsetella</i> spp.	3.85	0.01	0.00	0.00	0.00	0.00
Other Harpacticoids	3.85	0.03	0.01	0.00	0.00	0.00
Juvenile copepods	73.08	2.56	0.43	75.00	0.33	0.02
Copepod remains	3.85	0.01	0.00	0.00	0.00	0.00
Euphausiacea ord.	7.69	0.04	0.03	0.00	0.00	0.00
Decapoda ord.	19.23	0.75	0.43	25.00	0.03	0.03
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	19.23	0.19	0.03	0.00	0.00	0.00
Cladocera infraord.	23.08	0.20	0.10	75.00	0.60	0.40
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	3.85	0.03	0.00	25.00	0.07	0.01
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	23.08	0.26	4.53	100.00	1.09	39.54
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00
Others	7.69	0.04	NA	0.00	0.00	NA

(b) day time

T. trachurus

Prey	Adour-Arcachon area									Gironde area					
	TL < 130 mm			TL 130 - 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	0.00	0.00	0.00	38.46	0.73	0.05	0.00	0.00	0.00	0.00	0.00	0.00	8.33	0.02	0.00
<i>Candacia armata</i>	0.00	0.00	0.00	61.54	5.51	0.00	0.00	0.00	0.00	5.56	0.02	0.00	8.33	0.02	0.00
<i>Centropages</i> spp.	0.00	0.00	0.00	7.69	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Temora</i> spp.	8.70	1.56	3.82	69.23	35.78	53.74	0.00	0.00	0.00	94.44	32.82	55.10	91.67	42.90	48.12
Other Calanoids	30.43	96.26	56.79	61.54	53.29	17.62	25.00	4.82	0.04	100.00	61.51	35.58	100.00	52.66	48.06
<i>Corycaeus anglicus</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	72.22	1.98	1.08	41.67	1.96	0.78
<i>Oncaea</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	33.33	0.21	0.03	16.67	0.22	0.02
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.05	0.02	8.33	0.29	0.04
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	0.00	0.00	0.00	7.69	0.05	0.01	0.00	0.00	0.00	22.22	0.44	0.04	50.00	0.36	0.05
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	0.00	0.00	0.00	61.54	2.74	20.80	50.00	72.29	91.56	11.11	0.05	0.72	0.00	0.00	0.00
Decapoda ord.	21.74	1.56	6.93	69.23	0.79	7.03	0.00	0.00	0.00	44.44	1.26	4.24	16.67	0.77	0.79
Mysida ord.	0.00	0.00	0.00	15.38	0.02	0.16	12.50	4.82	5.47	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.56	0.02	3.01	8.33	0.02	2.04
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.12	0.04	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.56	0.09	0.04	8.33	0.10	0.02
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	4.35	0.31	0.09	7.69	0.10	0.02	0.00	0.00	0.00	38.89	0.47	0.10	50.00	0.56	0.09
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	4.35	0.31	32.37	7.69	0.01	0.53	12.50	1.20	2.32	0.00	0.00	0.00	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	25.00	2.41	0.61	0.00	0.00	0.00	0.00	0.00	0.00
Others	0.00	0.00	NA	15.38	0.93	NA	37.50	14.46	NA	16.67	0.96	NA	16.67	0.12	NA

(b) day time

T. mediterraneus

Prey	Cantabrian area			Gironde area		
	TL < 130 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	30.00	0.64	0.03	0.00	0.00	0.00
<i>Candacia armata</i>	50.00	0.64	0.00	20.00	0.50	0.00
<i>Centropages</i> spp.	90.00	26.06	9.65	20.00	0.50	0.79
<i>Temora</i> spp.	70.00	5.14	4.17	80.00	30.65	57.24
Other Calanoids	90.00	66.34	7.76	80.00	62.81	39.95
<i>Corycaeus anglicus</i>	40.00	0.48	0.07	40.00	3.02	1.58
<i>Oncaea</i> spp.	10.00	0.48	0.02	20.00	0.50	0.08
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	0.00	0.00	0.00	0.00	0.00	0.00
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	50.00	0.20	77.83	0.00	0.00	0.00
Decapoda ord.	0.00	0.00	0.00	0.00	0.00	0.00
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	10.00	0.02	0.48	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00	40.00	1.51	0.35
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	20.00	0.50	0.00
Others	0.00	0.00	NA	0.00	0.00	NA

(b) day time

B. boops

Prey	Adour-Arcachon area						Gironde area					
	TL 130 - 230 mm			TL > 230 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	42.86	4.00	0.13	0.00	0.00	0.00	16.67	0.88	0.01	0.00	0.00	0.00
<i>Candacia armata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Temora</i> spp.	14.29	0.89	0.17	100.00	5.63	0.99	83.33	14.60	0.53	50.00	2.33	0.05
Other Calanoids	71.43	4.89	0.38	100.00	12.68	1.64	100.00	14.16	0.18	50.00	2.33	0.04
<i>Corycaeus anglicus</i>	0.00	0.00	0.00	33.33	1.41	0.08	16.67	0.44	0.01	25.00	1.74	0.01
<i>Oncaea</i> spp.	14.29	0.44	0.01	0.00	0.00	0.00	50.00	3.10	0.01	25.00	1.16	0.00
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	57.14	3.56	0.09	66.67	7.04	0.14	83.33	9.73	0.05	50.00	2.91	0.01
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	85.71	6.22	0.06	33.33	7.04	0.05	100.00	5.75	0.01	100.00	7.56	0.01
Copepod remains	14.29	0.44	0.00	66.67	7.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	14.29	0.44	9.11	0.00	0.00	0.00	33.33	1.77	6.72	0.00	0.00	0.00
Decapoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.00	2.91	6.92
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	50.00	27.43	87.83	50.00	51.74	87.34
Cirripedia infracl.	14.29	0.44	0.02	0.00	0.00	0.00	33.33	1.33	0.01	25.00	0.58	0.00
Cladocera infraord.	28.57	2.67	0.21	66.67	2.82	0.19	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	14.29	0.44	0.01	0.00	0.00	0.00	16.67	0.44	0.00	0.00	0.00	0.00
Bivalvia cl.	14.29	0.44	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	100.00	37.33	21.03	100.00	26.76	11.76	33.33	7.08	0.74	0.00	0.00	0.00
Fish eggs	10.00	11.05	5.42	66.67	3.10	2.99	16.67	3.10	2.99	20.00	11.05	5.42
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	16.67	0.88	0.28	75.00	6.40	0.19
Others	71.43	28.44	NA	100.00	15.49	NA	83.33	9.29	NA	25.00	9.30	NA

(b) day time

S. scombrus

Prey	Adour-Arcachon area									Gironde area					
	TL < 130 mm			TL 130 - 230 mm			TL > 230 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	100.00	12.50	14.89	21.43	1.23	0.01	20.00	1.88	0.01	0.00	0.00	0.00	20.69	0.66	0.08
<i>Candacia armata</i>	0.00	0.00	0.00	14.29	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	0.14	0.00
<i>Centropages</i> spp.	0.00	0.00	0.00	42.86	2.71	0.21	6.67	0.38	0.02	0.00	0.00	0.00	10.34	0.15	0.16
<i>Temora</i> spp.	0.00	0.00	0.00	57.14	19.95	2.15	46.67	14.66	0.84	100.00	100.00	100.00	62.07	69.87	73.32
Other Calanoids	100.00	33.33	49.31	78.57	15.27	0.28	46.67	12.78	0.13	0.00	0.00	0.00	55.17	18.96	7.05
<i>Corycaeus anglicus</i>	0.00	0.00	0.00	28.57	1.72	0.05	0.00	0.00	0.00	0.00	0.00	0.00	34.48	2.26	0.96
<i>Oncaea</i> spp.	100.00	4.17	2.28	71.43	5.42	0.05	0.00	0.00	0.00	0.00	0.00	0.00	44.83	1.22	0.12
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	0.00	0.00
<i>Euterpina acutifrons</i>	100.00	12.50	11.53	35.71	1.23	0.01	6.67	0.38	0.00	0.00	0.00	0.00	24.14	2.40	0.39
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	0.07	1.00
Juvenile copepods	100.00	25.00	8.86	64.29	7.14	0.03	13.33	1.50	0.01	0.00	0.00	0.00	41.38	1.29	0.12
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	0.07	0.00
Euphausiacea ord.	0.00	0.00	0.00	14.29	0.49	0.13	13.33	1.13	0.23	0.00	0.00	0.00	20.69	0.21	0.99
Decapoda ord.	0.00	0.00	0.00	42.86	33.50	66.88	33.33	3.38	2.80	0.00	0.00	0.00	27.59	1.71	8.79
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.79	0.28	0.04
Cladocera infraord.	100.00	4.17	13.13	14.29	0.49	0.02	6.67	1.13	0.03	0.00	0.00	0.00	3.45	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00	7.14	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	0.21	0.03
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.90	0.08	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00	28.57	1.23	2.94	13.33	0.75	1.60	0.00	0.00	0.00	13.79	0.14	6.87
Actinopterygii cl.	0.00	0.00	0.00	7.14	0.49	0.00	13.33	0.75	0.00	0.00	0.00	0.00	44.83	0.01	0.01
Others	100.00	8.33	NA	35.71	8.37	NA	53.33	61.28	NA	0.00	0.00	NA	13.79	0.28	NA

(b) day time

S. colias

Prey	Adour-Arcachon area						Gironde area					
	TL 130 - 230 mm			TL > 230 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	41.67	0.33	0.01	100.00	3.67	0.00	0.00	0.00	0.00	14.29	0.53	0.01
<i>Candacia armata</i>	50.00	1.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	25.00	0.98	0.25	0.00	0.00	0.00	33.33	0.69	0.60	28.57	1.60	0.44
<i>Temora</i> spp.	91.67	24.76	9.52	100.00	12.84	0.38	100.00	49.31	68.56	100.00	47.06	17.87
Other Calanoids	100.00	11.07	0.80	100.00	27.52	0.11	100.00	39.31	28.81	100.00	12.30	1.17
<i>Corycaeus anglicus</i>	16.67	0.13	0.01	0.00	0.00	0.00	100.00	3.79	1.28	28.57	1.60	0.20
<i>Oncaea</i> spp.	25.00	0.72	0.02	0.00	0.00	0.00	100.00	3.10	0.28	71.43	6.42	0.13
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	8.33	0.07	0.01	0.00	0.00	0.00	33.33	0.34	0.16	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	100.00	0.92	0.13	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	66.67	2.35	0.06	100.00	1.83	0.00	100.00	3.45	0.32	71.43	10.70	0.30
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	91.67	24.36	41.08	100.00	0.92	5.73	0.00	0.00	0.00	0.00	0.00	0.00
Decapoda ord.	91.67	23.19	13.09	100.00	2.75	0.09	0.00	0.00	0.00	42.86	6.42	2.53
Mysida ord.	8.33	0.20	1.97	0.00	0.00	0.00	0.00	0.00	0.00	28.57	1.60	24.62
Amphipoda ord.	8.33	0.07	1.68	100.00	0.92	1.20	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	41.67	1.89	12.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	25.00	0.26	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	7.49	5.71
Fish eggs	41.67	0.72	9.52	100.00	0.92	0.54	0.00	0.00	0.00	14.29	0.53	4.01
Actinopterygii cl.	8.33	0.20	0.21	0.00	0.00	0.00	0.00	0.00	0.00	42.86	2.14	11.14
Others	66.67	7.49	NA	100.00	47.71	NA	0.00	0.00	NA	18.57	1.60	NA

(b) night time
E. encrasicolus

Prey	Cantabrian area			Adour-Arcachon area			Gironde area					
	TL 130 - 230 mm			TL 130 - 230 mm			TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	26.67	0.42	0.08	0.00	0.00	0.00	0.00	0.00	0.00	27.27	0.16	0.04
<i>Candacia armata</i>	56.67	0.54	0.00	40.00	0.30	0.00	5.26	0.10	0.00	18.18	0.13	0.00
<i>Centropages</i> spp.	93.33	51.66	44.26	100.00	4.41	8.04	15.79	0.20	0.44	54.55	1.16	2.24
<i>Temora</i> spp.	60.00	0.64	0.73	85.00	8.04	18.08	52.63	19.49	62.53	90.91	23.25	38.15
Other Calanoids	100.00	31.11	14.52	100.00	56.22	55.39	68.42	21.76	11.21	90.91	58.82	42.37
<i>Corycaeus anglicus</i>	6.67	0.05	0.02	85.00	3.57	2.67	47.37	1.21	0.83	81.82	5.56	3.03
<i>Oncaea</i> spp.	20.00	0.06	0.01	60.00	1.29	0.26	78.95	35.99	3.17	100.00	8.61	1.25
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	3.33	0.02	0.00	30.00	0.26	0.07	47.37	2.78	0.48	9.09	0.03	0.01
<i>Microsetella</i> spp.	0.00	0.00	0.00	10.00	0.03	0.17	10.53	0.15	0.04	18.18	0.05	0.24
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	20.00	0.14	0.01	40.00	0.21	0.02	89.47	16.15	1.39	63.64	0.68	0.06
Copepod remains	3.33	0.02	0.00	5.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	50.00	0.34	21.12	0.00	0.00	0.00	15.79	0.25	0.18	9.09	0.03	0.25
Decapoda ord.	23.33	0.09	0.39	35.00	0.12	0.27	26.32	0.71	19.24	27.27	0.21	0.30
Mysida ord.	0.00	0.00	0.00	5.00	0.06	4.32	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	36.67	0.17	0.03	90.00	0.84	0.28	42.11	0.56	0.17	18.18	0.05	0.01
Cladocera infraord.	10.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	70.00	14.04	2.91	55.00	23.28	9.61	0.00	0.00	0.00	27.27	0.32	0.10
Bivalvia cl.	6.67	0.03	0.00	5.00	0.03	0.00	0.00	0.00	0.00	9.09	0.11	0.01
Appendicularia cl.	3.33	0.02	0.08	0.00	0.00	0.00	5.26	0.05	0.32	0.00	0.00	0.00
Fish eggs	63.33	0.46	14.79	15.00	0.02	0.81	0.00	0.00	0.00	45.45	0.42	11.94
Actinopterygii cl.	13.33	0.11	1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	16.67	0.06	NA	40.00	1.34	NA	26.32	0.61	NA	45.45	0.42	NA

(b) night time

S. pilchardus

Prey	Cantabrian area						Adour-Arcachon area						Gironde area					
	TL 130 - 230 mm			TL > 230 mm			TL 130 - 230 mm			TL < 130 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	22.22	0.28	0.00	0.00	0.00	0.00	10.00	0.17	0.01	0.00	0.00	0.00	11.54	0.06	0.01	100.00	0.72	0.06
<i>Candacia armata</i>	22.22	0.26	0.00	0.00	0.00	0.00	15.00	0.22	0.00	0.00	0.00	0.00	3.85	0.02	0.00	100.00	0.72	0.00
<i>Centropages</i> spp.	100.00	10.37	1.43	100.00	11.03	4.25	55.00	2.30	0.98	0.00	0.00	0.00	23.08	1.54	3.00	100.00	0.72	1.49
<i>Temora</i> spp.	66.67	2.80	0.53	66.67	3.45	1.04	30.00	4.10	2.22	33.33	2.28	12.43	42.31	5.95	10.18	100.00	7.96	12.85
Other Calanoids	100.00	66.57	12.29	100.00	65.86	8.75	100.00	35.45	18.80	66.67	0.43	1.04	65.38	32.34	38.53	100.00	76.67	52.42
<i>Corycaeus anglicus</i>	11.11	0.13	0.01	0.00	0.00	0.00	40.00	1.74	0.37	33.33	0.11	0.20	50.00	1.20	0.81	100.00	1.45	1.01
<i>Oncaea</i> spp.	29.63	0.66	0.01	66.67	0.69	0.02	55.00	18.31	0.90	66.67	58.31	23.89	92.31	41.24	6.43	100.00	5.06	0.71
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	3.70	0.01	0.00	0.00	0.00	0.00	35.00	0.84	0.08	100.00	1.41	0.99	42.31	0.34	0.11	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.11	0.11	33.33	0.11	0.13	3.85	0.02	0.05	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	59.26	0.98	0.01	0.00	0.00	0.00	70.00	3.09	0.06	33.33	34.42	7.55	84.62	12.77	0.81	100.00	0.72	0.06
Copepod remains	3.70	0.04	0.00	0.00	0.00	0.00	20.00	0.28	0.00	0.00	0.00	0.00	3.85	0.13	0.00	0.00	0.00	0.00
Euphausiacea ord.	22.22	0.16	1.13	33.33	0.69	0.00	10.00	0.11	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Decapoda ord.	11.11	0.17	0.03	0.00	0.00	0.00	10.00	0.11	0.06	0.00	0.00	0.00	23.08	1.03	4.56	100.00	5.97	31.40
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	33.33	2.47	0.07	100.00	11.38	0.46	80.00	14.49	1.14	33.33	1.09	0.83	38.46	0.64	0.16	0.00	0.00	0.00
Cladocera infraord.	7.41	0.18	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	66.67	4.18	0.10	33.33	0.69	0.04	55.00	8.54	0.57	0.00	0.00	0.00	15.38	0.14	0.03	0.00	0.00	0.00
Bivalvia cl.	14.81	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	1.41	22.28	26.92	1.01	5.54	0.00	0.00	0.00
Fish eggs	88.89	9.71	84.20	100.00	6.21	85.45	75.00	5.06	74.59	66.67	0.33	30.66	53.85	0.59	29.78	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	25.93	0.85	NA	0.00	0.00	NA	45.00	5.06	NA	33.33	0.11	NA	26.92	0.98	NA	0.00	0.00	NA

(b) night time

S. sprattus

Prey	Gironde area		
	TL < 130 mm		
	%O	%N	%W
<i>Acartia</i> spp.	0.00	0.00	0.00
<i>Candacia armata</i>	0.00	0.00	0.00
<i>Centropages</i> spp.	3.33	0.04	0.05
<i>Temora</i> spp.	33.33	31.75	57.36
Other Calanoids	40.00	8.36	4.82
<i>Corycaeus anglicus</i>	46.67	6.28	5.21
<i>Oncaea</i> spp.	40.00	16.30	2.93
Other Cyclopoids	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	40.00	2.19	0.74
<i>Microsetella</i> spp.	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00
Juvenile copepods	56.67	32.98	9.70
Copepod remains	0.00	0.00	0.00
Euphausiacea ord.	6.67	0.18	7.93
Decapoda ord.	3.33	0.04	0.04
Mysida ord.	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00
Cirripedia infracl.	30.00	0.78	0.22
Cladocera infraord.	3.33	0.14	0.14
Crustacean remains	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00
Bivalvia cl.	0.00	0.00	0.00
Appendicularia cl.	6.67	0.35	2.12
Fish eggs	16.67	0.32	8.72
Actinopterygii cl.	0.00	0.00	0.00
Others	6.67	0.32	NA

(b) night time

T. trachurus

Prey	Cantabrian area						Adour-Arcachon area						Gironde area									
	TL 130 - 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm			
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	
<i>Acartia</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candacia armata</i>	42.86	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	28.57	0.78	0.65	16.67	12.50	0.42	0.00	0.00	0.00	0.00	0.00	0.00	10.00	16.55	32.68	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Temora</i> spp.	14.29	0.12	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.67	7.69	1.19
Other Calanoids	78.57	96.94	98.01	16.67	12.50	0.21	0.00	0.00	0.00	14.29	100.00	100.00	20.00	54.68	59.18	21.43	50.00	2.86	50.00	69.23	9.61	
<i>Corycaeus anglicus</i>	7.14	0.06	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Oncaea</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.14	16.67	0.21	0.00	0.00	0.00	
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	14.29	0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	0.00	0.00	0.00	33.33	37.50	65.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.67	7.69	34.16
Decapoda ord.	42.86	0.78	1.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.00	1.44	8.14	7.14	33.33	96.93	16.67	7.69	48.74	
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.67	7.69	6.31	
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	7.14	0.18	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00	16.67	12.50	34.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	0.00	0.00	NA	16.67	25.00	NA	0.00	0.00	NA	0.00	0.00	NA	70.00	25.18	NA	0.00	0.00	NA	0.00	0.00	NA	

(b) night time

T. mediterraneus

Prey	Cantabrian area			Gironde area					
	TL > 230 mm			TL < 130 mm			TL 130 - 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candacia armata</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Temora</i> spp.	0.00	0.00	0.00	6.25	8.33	0.01	0.00	0.00	0.00
Other Calanoids	35.00	60.67	9.91	6.25	8.33	0.01	0.00	0.00	0.00
<i>Corycaeus anglicus</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Oncaea</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Cyclopoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	0.00	0.00	0.00	6.25	8.33	0.00	0.00	0.00	0.00
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	15.00	2.25	87.66	12.50	33.33	98.21	25.00	100.00	100.00
Decapoda ord.	30.00	3.93	2.43	12.50	16.67	0.53	0.00	0.00	0.00
Mysida ord.	0.00	0.00	0.00	6.25	25.00	1.24	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Others	5.00	33.15	NA	0.00	0.00	NA	0.00	0.00	NA

(b) night time

B. boops

Prey	Cantabrian area						Adour-Arcachon area						Gironde area					
	TL 130 - 230 mm			TL > 230 mm			TL > 230 mm			TL < 130 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	14.29	0.48	0.01	8.70	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Candacia armata</i>	57.14	12.44	0.00	43.48	7.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Centropages</i> spp.	57.14	9.57	1.03	56.52	32.08	2.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Temora</i> spp.	71.43	5.26	0.55	30.43	1.18	0.08	0.00	0.00	0.00	100.00	33.33	66.30	100.00	4.55	38.74	0.00	0.00	0.00
Other Calanoids	100.00	44.02	1.55	65.22	27.29	1.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Corycaeus anglicus</i>	0.00	0.00	0.00	4.35	0.08	0.00	0.00	0.00	0.00	100.00	33.33	24.80	0.00	0.00	0.00	0.00	0.00	0.00
<i>Oncaea</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	65.91	43.14	0.00	0.00	0.00
Other Cyclopoids	0.00	0.00	0.00	4.35	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	28.57	1.44	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	4.55	5.01	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juvenile copepods	42.86	3.35	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Copepod remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	0.00	0.00	0.00	73.91	1.66	8.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Decapoda ord.	28.57	0.96	2.23	26.09	0.49	1.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	28.57	0.96	0.02	21.74	0.41	0.01	0.00	0.00	0.00	0.00	0.00	0.00	100.00	6.82	7.92	0.00	0.00	0.00
Cladocera infraord.	14.29	0.48	0.02	17.39	0.32	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00	4.35	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia cl.	14.29	0.96	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	4.35	0.12	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	0.00	0.00	0.00	16.67	11.05	5.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Actinopterygii cl.	0.00	0.00	0.00	4.35	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00	61.54	100.00
Others	42.86	1.91	NA	69.57	6.12	NA	0.00	0.00	NA	100.00	33.33	NA	100.00	18.18	NA	100.00	38.46	NA

(b) night time

S. scombrus

Prey	Cantabrian area						Adour-Arcachon area						Gironde area					
	TL 130 - 230 mm			TL > 230 mm			TL 130 - 230 mm			TL > 230 mm			TL 130 - 230 mm			TL > 230 mm		
	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W	%O	%N	%W
<i>Acartia</i> spp.	33.33	2.07	0.00	36.84	1.05	0.05	0.00	0.00	0.00	9.09	3.85	0.05	50.00	1.91	0.00	28.57	0.13	0.01
<i>Candacia armata</i>	33.33	0.35	0.00	5.26	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00	1.27	0.00	28.57	0.13	0.00
<i>Centropages</i> spp.	83.33	3.63	0.05	63.16	86.44	38.23	0.00	0.00	0.00	9.09	3.85	0.47	75.00	5.10	0.17	57.14	0.70	0.27
<i>Temora</i> spp.	16.67	0.35	0.01	21.05	0.43	0.19	0.00	0.00	0.00	18.18	11.54	1.40	100.00	25.48	1.10	100.00	29.25	11.21
Other Calanoids	100.00	34.72	0.08	36.84	6.95	1.22	0.00	0.00	0.00	18.18	19.23	1.50	100.00	32.48	0.30	85.71	41.00	9.50
<i>Corycaeus anglicus</i>	16.67	0.17	0.00	21.05	0.31	0.06	0.00	0.00	0.00	9.09	3.85	0.19	50.00	1.91	0.02	57.14	0.89	0.14
<i>Oncaea</i> spp.	0.00	0.00	0.00	5.26	0.10	0.00	0.00	0.00	0.00	9.09	3.85	0.04	100.00	19.11	0.06	85.71	21.52	0.74
Other Cyclopoids	0.00	0.00	0.00	5.26	0.29	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.06	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.57	0.13	0.01
<i>Microsetella</i> spp.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00	5.26	0.01	0.20	0.00	0.00	0.00	18.18	7.69	34.22	0.00	0.00	0.00	14.29	0.06	0.90
Juvenile copepods	50.00	1.90	0.00	10.53	0.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00	25.00	0.64	0.00	42.86	0.89	0.03
Copepod remains	16.67	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Euphausiacea ord.	100.00	2.42	79.35	63.16	1.85	36.79	0.00	0.00	0.00	9.09	3.85	25.55	25.00	1.27	94.29	28.57	0.13	1.45
Decapoda ord.	0.00	0.00	0.00	15.79	0.05	0.04	0.00	0.00	0.00	9.09	7.69	1.96	100.00	6.37	0.50	28.57	0.26	0.20
Mysida ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.29	0.06	0.68
Amphipoda ord.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cirripedia infracl.	16.67	0.17	0.00	47.37	0.82	0.05	0.00	0.00	0.00	9.09	3.85	0.07	0.00	0.00	0.00	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00	15.79	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00	10.53	0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bivalvia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fish eggs	100.00	54.06	20.50	78.95	1.26	22.86	0.00	0.00	0.00	9.09	3.85	6.26	50.00	3.82	3.54	71.43	4.47	74.88
Actinopterygii cl.	0.00	0.00	0.00	0.00	0.00	0.00	12.50	100.00	100.00	36.36	15.38	28.29	0.00	0.00	0.00	42.86	0.26	0.00
Others	0.00	0.00	NA	15.79	0.05	NA	0.00	0.00	NA	9.09	11.54	NA	25.00	0.64	NA	14.29	0.06	NA

(b) night time

S. colias

Prey	Adour-Arcachon area		
	TL > 230 mm		
	%O	%N	%W
<i>Acartia</i> spp.	0.00	0.00	0.00
<i>Candacia armata</i>	20.00	6.90	0.00
<i>Centropages</i> spp.	40.00	13.79	4.27
<i>Temora</i> spp.	20.00	6.90	0.92
Other Calanoids	60.00	13.79	1.63
<i>Corycaeus anglicus</i>	0.00	0.00	0.00
<i>Oncaea</i> spp.	0.00	0.00	0.00
Other Cyclopoids	0.00	0.00	0.00
<i>Euterpina acutifrons</i>	0.00	0.00	0.00
<i>Microsetella</i> spp.	0.00	0.00	0.00
Other Harpacticoids	0.00	0.00	0.00
Juvenile copepods	0.00	0.00	0.00
Copepod remains	0.00	0.00	0.00
Euphausiacea ord.	20.00	17.59	0.00
Decapoda ord.	20.00	3.45	0.79
Mysida ord.	20.00	13.45	85.45
Amphipoda ord.	0.00	0.00	0.00
Cirripedia infracl.	0.00	0.00	0.00
Cladocera infraord.	0.00	0.00	0.00
Crustacean remains	0.00	0.00	0.00
Gastropoda cl.	0.00	0.00	0.00
Bivalvia cl.	0.00	0.00	0.00
Appendicularia cl.	0.00	0.00	0.00
Fish eggs	4.00	3.45	15.77
Actinopterygii cl.	10.00	1.45	0.98
Others	20.00	10.34	NA