

## SUPPLEMENTAL MATERIAL (ONLINE ONLY)

## Appendix 1. Taxonomic list of prey taxa, and values used in calculating biomass

Prey taxa	Estimated mass (g)
Cnidaria	
Scyphozoa	
Jellyfish	N/A
Nemata	
Nematode	N/A
Arthropoda	
Insecta	
Unidentified insect	0.00100
Ostracoda	
Unidentified ostracod	0.10000
Maxillopoda	
Euchaetidae	
<i>Paraeuchaeta</i>	
<i>Paraeuchaeta birostrata</i>	0.00200
<i>Paraeuchaeta elongata</i>	0.00440
Calanidae	
<i>Calanus</i>	
<i>Calanus marshallae</i>	0.00126

Prey taxa	Estimated mass (g)
<i>Calanus pacificus</i>	0.00040
<i>Neocalanus</i>	
<i>Neocalanus cristatus</i>	0.01390
<i>Neocalanus plumchrus/flemingeri</i>	0.00276
<i>Neocalanus</i> spp.	0.00500
Malacostraca	
Amphipoda	
Unidentified amphipod	0.00220
Ischyroceridae	
<i>Erichthonius</i>	
<i>Erichthonius</i> spp.	0.00220
<i>Ischyrocerus</i>	
<i>Ischyrocerus</i> spp.	0.00220
Eusiridae	
<i>Pontogeneia</i>	
<i>Pontogeneia</i> spp.	0.05000
Gammaridae	
Unidentified gammarid amphipod	
Calliopiidae	
<i>Halirages</i>	
<i>Halirages bungei</i>	0.05000

Prey taxa	Estimated mass (g)
<b>Lysianassidae</b>	
Unidentified lysianassid amphipod	0.00400
<b>Stenothoidae</b>	
Unidentified stenothoid amphipod	0.10000
<b>Talitridae</b>	
Unidentified talitrid amphipod	0.00220
<b>Hyperiidae</b>	
<i>Hyperia</i>	
<i>Hyperia</i> spp.	0.00200
<i>Hyperoche</i>	
<i>Hyperoche medusarum</i>	0.00385
<i>Primno</i>	
<i>Primno macropa</i>	0.00300
<i>Themisto</i>	
<i>Themisto pacifica</i> (<4mm)	0.00368
<i>Themisto</i> spp. (<4mm)	0.00385
Tanaidacea	
Unidentified Tanaid crustacean	0.05000
Euphausiacea	
<b>Euphausiidae</b>	
Euphausiid furcila	0.00600

Prey taxa	Estimated mass (g)
Euphausiid spp. (<7mm)	0.00600
Euphausiid spp. (lg, > 7mm)	0.08400
<i>Thysanoessa</i>	
<i>Thysanoessa inermis</i> (<7mm)	0.02000
<i>Thysanoessa inermis</i> (>12mm)	0.07500
<i>Thysanoessa raschii</i> (<7mm)	0.03050
<i>Thysanoessa raschii</i> (>12mm)	0.09780
<i>Thysanoessa</i> spp. (>12mm)	0.07895
Decapoda	
Unidentified shrimp	0.05000
Unidentified shrimp larvae (<7mm)	0.01200
Shrimp zoeae	0.01000
Crab zoeae	0.01000
Hippolytidae	
Hippolytidae juvenile	0.03700
Pandalidae	
Pandalid shrimp (>12mm)	0.04865
Pandalid shrimp larvae	0.01200
Paguridae	
Paguridae glaucothoe	0.00500
Paguridae megalopa	0.01500

Prey taxa	Estimated mass (g)
Paguridae zoea	0.00162
Atelecyclidae	
Atelecyclidae megalopa	0.01500
Mollusca	
Gastropoda	
Unidentified gastropod	0.00500
Thecosomata	
Unidentified pteropod	0.00100
Limacinidae	
<i>Limacina</i>	
<i>Limacina helicina</i>	0.00200
<i>Limacina</i> spp.	0.00350
Cephalopoda	
Teuthida	
Unidentified squid	0.06000
Gonatidae	
Unidentified armhook squid	0.06000
Chordata	
Actinopterygii	
Unidentified fish	N/A
Unidentified fish larvae	0.48500

Prey taxa	Estimated mass (g)
Scorpaeniformes	
Hexagrammidae	
<i>Hexagrammos</i>	
<i>Hexagrammos</i> spp. (1+ yr)	11.00000

**Appendix 2.** Summary of food load composition of Crested Auklet chick meals.**Table A2-1.** Summary of food load composition of Crested Auklets at Buldir Island, 1994-2006. Data are presented as annual values of per cent biomass.

<b>Year</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
<b>n</b>	37	46	78	82	103	88
<b>Copepoda</b>	<b>37.13%</b>	<b>26.83%</b>	<b>75.28%</b>	<b>24.75%</b>	<b>28.32%</b>	<b>83.81%</b>
Calanoid spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Calanus marshallae</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b><i>Neocalanus</i> Total</b>	<b>37.13%</b>	<b>26.83%</b>	<b>75.28%</b>	<b>24.75%</b>	<b>28.32%</b>	<b>83.81%</b>
<i>Neocalanus</i> spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Neocalanus cristatus</i>	37.10%	26.79%	73.45%	21.71%	28.01%	83.13%
<i>Neocalanus plumchrus/flemingeri</i>	0.03%	0.04%	1.83%	3.04%	0.31%	0.68%
<b>Amphipoda</b>	<b>0.93%</b>	<b>0.80%</b>	<b>0.58%</b>	<b>0.79%</b>	<b>0.14%</b>	<b>1.57%</b>
<i>Hyperoche medusarum</i>	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
<i>Primno macropa</i>	0.04%	0.00%	0.00%	0.00%	0.00%	0.01%
<i>Themisto pacifica</i> (<4mm)	0.88%	0.80%	0.57%	0.79%	0.14%	1.56%
<i>Themisto</i> spp. (<4mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Euphausiacea</b>	<b>61.79%</b>	<b>71.73%</b>	<b>23.75%</b>	<b>74.38%</b>	<b>71.52%</b>	<b>13.81%</b>
<i>Thysanoessa inermis</i> (<7mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Thysanoessa inermis</i> (>12mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euphausiid furcilia	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
Euphausiid spp. (<7mm)	0.00%	71.73%	23.75%	74.38%	71.52%	13.80%

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<i>Thysanoessa</i> spp. (>12mm)	61.79%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Decapoda</b>	<b>0.16%</b>	<b>0.58%</b>	<b>0.36%</b>	<b>0.06%</b>	<b>0.01%</b>	<b>0.81%</b>
Hippolytidae juvenile	0.00%	0.00%	0.00%	0.00%	0.00%	0.74%
Pandalid shrimp (>12mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pandalid shrimp larvae	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Shrimp zoea	0.15%	0.52%	0.30%	0.02%	0.01%	0.00%
Paguridae megalopa	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
Atelecyclidae megalopa	0.00%	0.00%	0.06%	0.04%	0.00%	0.00%
Crab zoea	0.00%	0.06%	0.00%	0.00%	0.00%	0.05%
Unid. squid	0.00%	0.06%	0.03%	0.03%	0.00%	0.00%

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Year	2000	2001	2002	2003	2004	2005	2006
<b>n</b>	29	45	54	23	33	39	36
<b>Copepoda</b>	<b>82.74%</b>	<b>49.33%</b>	<b>71.94%</b>	<b>4.37%</b>	<b>86.72%</b>	<b>81.76%</b>	<b>76.92%</b>
Calanoid spp.	0.00%	0.53%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Calanus marshallae</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%	0.00%
<b>Neocalanus Total</b>	<b>82.74%</b>	<b>48.80%</b>	<b>71.94%</b>	<b>4.37%</b>	<b>86.72%</b>	<b>81.69%</b>	<b>76.92%</b>
<i>Neocalanus</i> spp.	2.58%	0.00%	0.00%	3.67%	0.00%	0.00%	0.00%
<i>Neocalanus cristatus</i>	79.97%	48.74%	70.21%	0.70%	86.66%	81.13%	74.58%
<i>Neocalanus plumchrus/flemingeri</i>	0.19%	0.06%	1.73%	0.00%	0.05%	0.56%	2.34%
<b>Amphipoda</b>	<b>0.00%</b>	<b>3.03%</b>	<b>5.32%</b>	<b>12.87%</b>	<b>0.17%</b>	<b>1.25%</b>	<b>0.05%</b>
<i>Hyperoche medusarum</i>	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%	0.00%
<i>Primno macropa</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Themisto pacifica</i> (<4mm)	0.00%	2.83%	4.89%	0.00%	0.17%	0.01%	0.03%
<i>Themisto</i> spp. (<4mm)	0.00%	0.20%	0.42%	12.87%	0.00%	1.24%	0.02%
<b>Euphausiacea</b>	<b>16.56%</b>	<b>42.58%</b>	<b>20.28%</b>	<b>82.43%</b>	<b>13.00%</b>	<b>16.30%</b>	<b>23.03%</b>
<i>Thysanoessa inermis</i> (<7mm)	3.47%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Thysanoessa inermis</i> (>12mm)	8.95%	0.00%	0.00%	0.00%	6.64%	0.00%	0.00%
Euphausiid furcilia	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euphausiid spp. (<7mm)	4.14%	6.13%	8.94%	3.76%	2.41%	3.29%	23.03%
<i>Thysanoessa</i> spp. (>12mm)	0.00%	36.45%	11.34%	78.67%	3.95%	13.00%	0.00%

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<b>Decapoda</b>	<b>0.69%</b>	<b>5.06%</b>	<b>2.46%</b>	<b>0.33%</b>	<b>0.11%</b>	<b>0.69%</b>	<b>0.00%</b>
Hippolytidae juvenile	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pandalid shrimp (>12mm)	0.00%	0.11%	2.44%	0.00%	0.11%	0.69%	0.00%
Pandalid shrimp larvae	0.69%	4.96%	0.00%	0.33%	0.00%	0.00%	0.00%
Shrimp zoea	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Paguridae megalopa	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Atelecyclidae megalopa	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%
Crab zoea	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Unid. squid	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

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**Table A2-2.** Summary of food load composition of Crested Auklets at Kiska Island, 2001-2006. Data are presented as annual values of per cent biomass.

<b>Year</b>	<b>2001</b>	<b>2003</b>	<b>2006</b>
<b>n</b>	7	3	24
<b>Copepoda</b>	<b>0.00%</b>	<b>0.00%</b>	<b>87.39%</b>
<i>Neocalanus Total</i>	<b>0.00%</b>	<b>0.00%</b>	<b>87.39%</b>
<i>Neocalanus cristatus</i>	0.00%	0.00%	87.21%
<i>Neocalanus plumchrus/flemingeri</i>	0.00%	0.00%	0.18%
<b>Amphipoda</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.06%</b>
<i>Hyperoche medusarum</i>	0.00%	0.00%	0.04%
<i>Themisto pacifica</i> (<4mm)	0.00%	0.00%	0.02%
<b>Euphausiacea</b>	<b>100.00%</b>	<b>100.00%</b>	<b>12.10%</b>
Euphausiid spp. (<7mm)	99.63%	0.00%	0.00%
Euphausiid spp. (lg, > 7mm)	0.37%	100.00%	12.10%
<b>Decapoda</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.38%</b>
Larval shrimp (<7mm)	0.00%	0.00%	0.38%
Unid. squid	0.00%	0.00%	0.07%

**Table A2-3.** Summary of food load composition of Crested Auklets at Kasatochi Island, 1996-2006. Data are presented as annual values of per cent biomass.

Year	1996	1997	1998	1999	2000
<b>n</b>	36	39	35	36	34
Ostracoda	0.00%	0.19%	0.00%	0.00%	0.00%
<b>Copepoda</b>	<b>36.58%</b>	<b>90.35%</b>	<b>73.02%</b>	<b>67.04%</b>	<b>39.76%</b>
Unid. copepod	0.04%	0.00%	0.00%	0.00%	0.00%
<i>Calanus marshallae</i>	0.00%	0.00%	0.00%	0.00%	0.03%
<b>Neocalanus Total</b>	<b>36.54%</b>	<b>90.35%</b>	<b>73.02%</b>	<b>67.04%</b>	<b>39.73%</b>
<i>Neocalanus cristatus</i>	33.49%	73.14%	67.57%	62.21%	37.72%
<i>Neocalanus plumchrus/flemingeri</i>	3.05%	17.21%	5.44%	4.83%	2.02%
<b>Amphipoda</b>	<b>0.14%</b>	<b>0.33%</b>	<b>2.83%</b>	<b>1.27%</b>	<b>0.09%</b>
Gammaridae	0.00%	0.05%	0.00%	0.00%	0.00%
<i>Themisto pacifica</i> (<4mm)	0.14%	0.27%	2.10%	1.27%	0.09%
Pteropod spp.	0.00%	0.01%	0.00%	0.00%	0.00%
Shrimp zoea	0.00%	0.00%	0.74%	0.00%	0.00%
<i>Themisto</i> spp. (<4mm)	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Euphausiacea</b>	<b>63.04%</b>	<b>6.75%</b>	<b>23.37%</b>	<b>30.63%</b>	<b>60.07%</b>
Euphausiid furcilia	0.00%	0.00%	0.00%	0.05%	0.00%
Euphausiid spp. (<7mm)	0.00%	6.75%	0.00%	0.00%	16.89%
<i>Thysanoessa</i> spp. (>12mm)	63.04%	0.00%	23.37%	30.58%	43.18%

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<b>Decapoda</b>	<b>0.24%</b>	<b>2.26%</b>	<b>0.18%</b>	<b>1.07%</b>	<b>0.08%</b>
Hippolytidae juvenile	0.00%	0.00%	0.00%	0.74%	0.00%
Larval shrimp (<7mm)	0.17%	1.86%	0.00%	0.00%	0.08%
Pandalid shrimp (>12mm)	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Primno macropa</i>	0.00%	0.03%	0.00%	0.00%	0.00%
Paguridae glaucothoe	0.00%	0.00%	0.00%	0.09%	0.00%
Paguridae megalopa	0.00%	0.00%	0.05%	0.00%	0.00%
Atelecyclidae megalopa	0.04%	0.29%	0.11%	0.00%	0.00%
Crab zoea	0.03%	0.09%	0.02%	0.24%	0.00%
Unid. squid	0.00%	0.11%	0.06%	0.00%	0.00%
Unid. Fish	0.00%	0.00%	0.53%	0.00%	0.00%

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Year	2001	2002	2003	2004	2005	2006
<b>n</b>	31	39	30	34	35	34
Ostracoda	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Copepoda</b>	<b>90.63%</b>	<b>66.07%</b>	<b>66.11%</b>	<b>74.01%</b>	<b>88.48%</b>	<b>82.58%</b>
Unid. copepod	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Calanus marshallae</i>	0.00%	0.21%	0.00%	0.00%	0.00%	0.00%
<b>Neocalanus Total</b>	<b>90.63%</b>	<b>65.86%</b>	<b>66.11%</b>	<b>74.01%</b>	<b>88.48%</b>	<b>82.58%</b>
<i>Neocalanus cristatus</i>	90.29%	62.39%	65.81%	74.01%	86.55%	81.65%
<i>Neocalanus plumchrus/flemingeri</i>	0.34%	3.47%	0.29%	0.00%	1.93%	0.93%
<b>Amphipoda</b>	<b>0.10%</b>	<b>1.02%</b>	<b>0.03%</b>	<b>20.50%</b>	<b>0.18%</b>	<b>0.13%</b>
Gammaridae	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Themisto pacifica</i> (<4mm)	0.02%	0.19%	0.00%	0.00%	0.00%	0.06%
Pteropod spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.03%
Shrimp zoea	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Themisto</i> spp. (<4mm)	0.08%	0.83%	0.03%	20.50%	0.18%	0.05%
<b>Euphausiacea</b>	<b>8.34%</b>	<b>32.22%</b>	<b>32.03%</b>	<b>5.49%</b>	<b>10.97%</b>	<b>16.46%</b>
Euphausiid furcilia	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euphausiid spp. (<7mm)	6.98%	27.30%	11.81%	5.49%	8.07%	11.26%
<i>Thysanoessa</i> spp. (>12mm)	1.36%	4.92%	20.22%	0.00%	2.90%	5.20%

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<b>Decapoda</b>	<b>0.92%</b>	<b>0.70%</b>	<b>1.82%</b>	<b>0.00%</b>	<b>0.37%</b>	<b>0.75%</b>
Hippolytidae juvenile	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Larval shrimp (<7mm)	0.65%	0.14%	0.68%	0.00%	0.30%	0.61%
Pandalid shrimp (>12mm)	0.26%	0.56%	1.07%	0.00%	0.00%	0.00%
<i>Primno macropa</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Paguridae glaucothoe	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%
Paguridae megalopa	0.00%	0.00%	0.05%	0.00%	0.00%	0.00%
Atelecyclidae megalopa	0.01%	0.00%	0.03%	0.00%	0.07%	0.14%
Crab zoea	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Unid. squid	0.00%	0.00%	0.00%	0.00%	0.00%	0.07%
Unid. Fish	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

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**Appendix 3.** Summary of food load composition of Least Auklet chick meals.**Table A3-1.** Summary of food load composition of Least Auklets at Buldir Island, 1994-2006. Data are presented as annual values of per cent biomass.

<b>Year</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
<b>n</b>	4	8	15	31	25	32
<b>Copepoda</b>	<b>84.54%</b>	<b>94.58%</b>	<b>96.06%</b>	<b>93.87%</b>	<b>94.37%</b>	<b>95.59%</b>
<i>Paraeuchaeta birostrata</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%
<i>Calanus marshallae</i>	0.00%	0.00%	0.00%	0.00%	0.04%	0.00%
<b>Neocalanus Total</b>	<b>84.54%</b>	<b>94.58%</b>	<b>96.06%</b>	<b>93.87%</b>	<b>94.33%</b>	<b>95.58%</b>
<i>Neocalanus</i> spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Neocalanus cristatus</i>	13.95%	1.85%	10.02%	15.56%	25.77%	42.44%
<i>Neocalanus plumchrus/flemingeri</i>	70.59%	92.73%	86.04%	78.31%	68.55%	53.15%
<b>Amphipoda</b>	<b>1.48%</b>	<b>1.17%</b>	<b>0.81%</b>	<b>0.88%</b>	<b>0.47%</b>	<b>0.36%</b>
<i>Erichthonius</i> spp.	0.00%	0.00%	0.00%	0.00%	0.40%	0.00%
<i>Hyperoche medusarum</i>	0.00%	0.74%	0.07%	0.00%	0.00%	0.00%
<i>Primno macropa</i>	0.39%	0.00%	0.00%	0.37%	0.00%	0.14%
<i>Themisto pacifica</i> (<4mm)	1.09%	0.43%	0.75%	0.51%	0.07%	0.22%
<b>Euphausiacea</b>	<b>0.00%</b>	<b>0.18%</b>	<b>2.36%</b>	<b>1.46%</b>	<b>3.96%</b>	<b>0.61%</b>
<i>Thysanoessa raschii</i> (>12mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Thysanoessa</i> spp. (>12mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euphausiid furcilla	0.00%	0.00%	0.00%	0.00%	2.54%	0.46%
Euphausiid spp. (sm, <7mm)	0.00%	0.18%	2.36%	1.46%	1.42%	0.15%



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<b>Decapoda</b>	<b>4.93%</b>	<b>2.65%</b>	<b>0.62%</b>	<b>2.35%</b>	<b>0.66%</b>	<b>3.16%</b>
Pandalid shrimp (>12mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pandalid shrimp larvae	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Larval shrimp (<7mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Hippolytidae juvenile	0.00%	0.00%	0.00%	0.00%	0.00%	2.66%
Shrimp zoea	4.93%	2.65%	0.45%	1.18%	0.56%	0.35%
Paguridae megalopa	0.00%	0.00%	0.00%	0.00%	0.00%	0.10%
Crab zoea	0.00%	0.00%	0.00%	0.20%	0.00%	0.01%
Atelecyclidae/crab megalopa	0.00%	0.00%	0.17%	0.96%	0.10%	0.04%
<b>Gastropoda</b>	<b>1.07%</b>	<b>1.42%</b>	<b>0.15%</b>	<b>1.44%</b>	<b>0.55%</b>	<b>0.10%</b>
<i>Limacina</i> spp.	0.00%	0.00%	0.00%	0.00%	0.55%	0.00%
Unid. snail	1.07%	0.00%	0.00%	0.00%	0.00%	0.00%
Pteropod spp.	0.00%	1.42%	0.15%	1.44%	0.00%	0.10%
<b>Other</b>	<b>7.98%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.16%</b>
Gonatidae	0.00%	0.00%	0.00%	0.00%	0.00%	0.16%
Unid. fish larvae	7.98%	0.00%	0.00%	0.00%	0.00%	0.00%

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<b>Year</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
<b>n</b>	12	32	31	21	30	24	29
<b>Copepoda</b>	<b>98.20%</b>	<b>96.82%</b>	<b>97.45%</b>	<b>99.06%</b>	<b>92.52%</b>	<b>96.43%</b>	<b>75.83%</b>
<i>Paraeuchaeta birostrata</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Calanus marshallae</i>	0.35%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Neocalanus Total</b>	<b>97.85%</b>	<b>96.82%</b>	<b>97.45%</b>	<b>99.06%</b>	<b>92.52%</b>	<b>96.43%</b>	<b>75.83%</b>
<i>Neocalanus</i> spp.	3.16%	0.00%	0.00%	84.75%	0.00%	0.00%	0.00%
<i>Neocalanus cristatus</i>	80.95%	20.27%	1.70%	14.31%	3.06%	71.51%	17.87%
<i>Neocalanus plumchrus/flemingeri</i>	13.74%	76.55%	95.75%	0.00%	89.47%	24.91%	57.96%
<b>Amphipoda</b>	<b>0.02%</b>	<b>2.68%</b>	<b>1.42%</b>	<b>0.42%</b>	<b>0.00%</b>	<b>0.01%</b>	<b>0.06%</b>
<i>Erichthonius</i> spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Hyperoche medusarum</i>	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%	0.00%
<i>Primno macropa</i>	0.00%	0.00%	0.02%	0.01%	0.00%	0.00%	0.00%
<i>Themisto pacifica</i> (<4mm)	0.02%	2.68%	1.38%	0.41%	0.00%	0.01%	0.06%
<b>Euphausiacea</b>	<b>1.66%</b>	<b>0.37%</b>	<b>0.76%</b>	<b>0.47%</b>	<b>5.10%</b>	<b>1.13%</b>	<b>23.00%</b>
<i>Thysanoessa raschii</i> (>12mm)	0.00%	0.00%	0.00%	0.00%	0.00%	1.05%	0.00%
<i>Thysanoessa</i> spp. (>12mm)	0.00%	0.00%	0.00%	0.14%	0.00%	0.00%	0.65%
Euphausiid furcilla	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euphausiid spp. (sm, <7mm)	1.66%	0.37%	0.76%	0.33%	5.10%	0.09%	22.35%
<b>Decapoda</b>	<b>0.08%</b>	<b>0.13%</b>	<b>0.38%</b>	<b>0.05%</b>	<b>0.00%</b>	<b>2.31%</b>	<b>1.11%</b>

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Pandalid shrimp (>12mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.35%	0.00%
Pandalid shrimp larvae	0.00%	0.13%	0.38%	0.00%	0.00%	0.00%	0.00%
Larval shrimp (<7mm)	0.00%	0.00%	0.00%	0.00%	0.00%	1.91%	0.00%
Hippolytidae juvenile	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Shrimp zoea	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Paguridae megalopa	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Crab zoea	0.00%	0.00%	0.00%	0.02%	0.00%	0.00%	0.00%
Atelecyclidae/crab megalopa	0.08%	0.00%	0.00%	0.03%	0.00%	0.05%	1.11%
<b>Gastropoda</b>	<b>0.04%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.13%</b>	<b>0.00%</b>
<i>Limacina</i> spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Unid. snail	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pteropod spp.	0.04%	0.00%	0.00%	0.00%	0.00%	0.13%	0.00%
<b>Other</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>2.37%</b>	<b>0.00%</b>	<b>0.00%</b>
Gonatidae	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Unid. fish larvae	0.00%	0.00%	0.00%	0.00%	2.37%	0.00%	0.00%

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**Table A3-2.** Summary of food load composition of Least Auklets at Kiska Island, 2001-2006. Data are presented as annual values of per cent biomass.

<b>Year</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2006</b>
<b>n</b>	59	17	31	23	30
Insect	0.00%	0.01%	0.00%	0.00%	0.00%
<b>Copepoda</b>	<b>97.30%</b>	<b>97.86%</b>	<b>95.91%</b>	<b>80.65%</b>	<b>98.29%</b>
<i>Calanus marshallae</i>	0.03%	0.00%	0.00%	0.00%	0.00%
<b>Neocalanus Total</b>	<b>97.27%</b>	<b>97.86%</b>	<b>95.91%</b>	<b>80.65%</b>	<b>98.29%</b>
<i>Neocalanus</i> spp.	0.00%	95.98%	0.00%	0.00%	0.00%
<i>Neocalanus cristatus</i>	8.09%	1.88%	0.00%	3.47%	3.19%
<i>Neocalanus plumchrus/flemingeri</i>	89.18%	0.00%	95.91%	77.18%	95.10%
<b>Amphipoda</b>	<b>0.26%</b>	<b>0.05%</b>	<b>0.15%</b>	<b>0.32%</b>	<b>0.02%</b>
<i>Hyperoche medusarum</i>	0.00%	0.00%	0.00%	0.13%	0.01%
<i>Primno macropa</i>	0.01%	0.01%	0.00%	0.00%	0.01%
<i>Themisto pacifica</i> (<4mm)	0.59%	0.00%	0.09%	1.03%	0.02%
<i>Themisto</i> spp. (<4mm)	0.45%	0.21%	0.51%	0.10%	0.05%
<b>Euphausiacea</b>	<b>1.06%</b>	<b>0.05%</b>	<b>2.02%</b>	<b>9.06%</b>	<b>0.67%</b>
Euphausiid spp. (lg, > 7mm)	0.87%	0.00%	1.80%	0.00%	0.00%
Euphausiid spp. (sm, <7mm)	0.19%	0.05%	0.21%	9.06%	0.67%
<b>Decapoda</b>	<b>0.14%</b>	<b>1.67%</b>	<b>1.36%</b>	<b>0.07%</b>	<b>0.92%</b>

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Larval shrimp (<7mm)	0.12%	0.00%	0.00%	0.07%	0.85%
Pandalid shrimp (>12mm)	0.00%	1.65%	0.00%	0.00%	0.00%
Paguridae zoea	0.01%	0.00%	0.00%	0.00%	0.00%
Atelecyclidae/crab megalopa	0.00%	0.00%	0.00%	0.00%	0.04%
Crab zoea	0.00%	0.03%	1.36%	0.00%	0.03%
<b>Gastropoda</b>	<b>0.45%</b>	<b>0.19%</b>	<b>0.11%</b>	<b>0.51%</b>	<b>0.03%</b>
<i>Limacina helicina</i>	0.00%	0.19%	0.00%	0.00%	0.00%
Pteropod spp.	0.45%	0.00%	0.11%	0.51%	0.03%
Unid. fish larvae	0.00%	0.00%	0.00%	8.45%	0.00%

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**Table A3-3.** Summary of food load composition of Least Auklets at Kasatochi Island, 1996-2006. Data are presented as annual values of per cent biomass.

<b>Year</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>
<b>n</b>	19	51	36	33	33
Unid. crustacean	0.10%	0.00%	0.00%	0.00%	0.00%
<b>Copepoda</b>	<b>62.53%</b>	<b>57.09%</b>	<b>84.00%</b>	<b>56.46%</b>	<b>81.85%</b>
<i>Calanus marshallae</i>	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Neocalanus Total</b>	<b>62.53%</b>	<b>57.09%</b>	<b>84.00%</b>	<b>56.46%</b>	<b>81.85%</b>
<i>Neocalanus cristatus</i>	4.23%	5.42%	11.96%	18.92%	9.33%
<i>Neocalanus plumchrus/flemingeri</i>	58.31%	51.67%	72.04%	37.54%	72.52%
<b>Amphipoda</b>	<b>0.51%</b>	<b>10.91%</b>	<b>1.22%</b>	<b>1.74%</b>	<b>4.74%</b>
<i>Erichthonius</i> spp.	0.00%	0.00%	0.48%	0.00%	0.00%
Eusiridae	0.00%	0.00%	0.00%	0.00%	2.92%
Gammaridae	0.00%	10.11%	0.00%	0.00%	0.00%
<i>Halirages bungei</i>	0.00%	0.00%	0.00%	1.42%	0.00%
<i>Ischyrocerus</i> spp.	0.00%	0.00%	0.00%	0.00%	0.26%
<i>Pontogeneia</i> spp.	0.00%	0.00%	0.00%	0.07%	0.00%
Stenothoidae	0.00%	0.36%	0.00%	0.00%	0.00%
Talitridae	0.02%	0.00%	0.00%	0.00%	0.00%
<i>Hyperoche medusarum</i>	0.46%	0.00%	0.00%	0.00%	0.00%
<i>Primno macropa</i>	0.00%	0.30%	0.00%	0.03%	0.00%
<i>Themisto pacifica</i> (<4mm)	0.04%	0.13%	0.75%	0.20%	1.56%

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<i>Themisto</i> spp. (<4mm)	0.00%	0.00%	0.00%	0.00%	0.00%
Tanaidacea	0.00%	0.00%	0.00%	0.00%	0.71%
<b>Euphausiacea</b>	<b>31.30%</b>	<b>11.07%</b>	<b>5.53%</b>	<b>1.70%</b>	<b>4.09%</b>
Euphausiid furcilla	0.00%	0.00%	5.10%	0.64%	0.00%
Euphausiid spp. (sm, <7mm)	0.00%	0.00%	0.00%	0.00%	3.95%
<i>Thysanoessa</i> spp. (>12mm)	31.30%	11.07%	0.43%	1.06%	0.14%
<b>Decapoda</b>	<b>3.68%</b>	<b>18.89%</b>	<b>5.56%</b>	<b>38.51%</b>	<b>5.10%</b>
Hippolytidae juvenile	0.00%	0.00%	0.00%	38.22%	0.00%
Larval shrimp (<7mm)	2.38%	17.03%	0.00%	0.00%	4.76%
Pandalid shrimp (>12mm)	0.00%	0.00%	0.00%	0.00%	0.00%
Shrimp zoea	0.00%	0.00%	5.10%	0.00%	0.00%
Paguridae glaucothoe	0.00%	0.00%	0.15%	0.16%	0.02%
Paguridae zoea	0.00%	0.00%	0.00%	0.00%	0.00%
Atelecyclidae/crab megalopa	1.13%	1.42%	0.16%	0.09%	0.32%
Crab zoea	0.17%	0.44%	0.15%	0.04%	0.00%
<b>Gastropoda</b>	<b>1.88%</b>	<b>2.04%</b>	<b>3.68%</b>	<b>1.59%</b>	<b>3.51%</b>
<i>Limacina</i> spp.	0.00%	0.00%	3.68%	1.59%	3.51%
Pteropod spp.	1.88%	2.04%	0.00%	0.00%	0.00%

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<b>Year</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>
<b>n</b>	33	37	24	33	29	28
Unid. crustacean	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Copepoda</b>	<b>90.12%</b>	<b>92.55%</b>	<b>84.39%</b>	<b>88.53%</b>	<b>88.63%</b>	<b>77.02%</b>
<i>Calanus marshallae</i>	0.00%	0.34%	0.09%	0.00%	0.00%	0.00%
<b>Neocalanus Total</b>	<b>90.12%</b>	<b>92.21%</b>	<b>84.30%</b>	<b>88.53%</b>	<b>88.63%</b>	<b>77.02%</b>
<i>Neocalanus cristatus</i>	0.27%	2.58%	1.86%	1.55%	42.96%	22.88%
<i>Neocalanus plumchrus/flemingeri</i>	89.84%	89.63%	82.44%	86.97%	45.67%	54.14%
<b>Amphipoda</b>	<b>0.00%</b>	<b>1.13%</b>	<b>0.85%</b>	<b>0.23%</b>	<b>0.48%</b>	<b>0.00%</b>
<i>Erichthonius</i> spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Eusiridae	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Gammaridae	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Halirages bungei</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Ischyrocerus</i> spp.	0.00%	0.44%	0.19%	0.16%	0.06%	0.00%
<i>Pontogeneia</i> spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Stenothoidae	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Talitridae	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Hyperoche medusarum</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Primno macropa</i>	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%
<i>Themisto pacifica</i> (<4mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Themisto</i> spp. (<4mm)	0.00%	0.70%	0.65%	0.06%	0.42%	0.00%



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Tanaidacea	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Euphausiacea</b>	<b>4.73%</b>	<b>3.12%</b>	<b>10.36%</b>	<b>3.84%</b>	<b>1.26%</b>	<b>8.82%</b>
Euphausiid furcilla	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euphausiid spp. (sm, <7mm)	4.73%	2.43%	10.36%	3.84%	1.26%	8.82%
<i>Thysanoessa</i> spp. (>12mm)	0.00%	0.68%	0.00%	0.00%	0.00%	0.00%
<b>Decapoda</b>	<b>4.49%</b>	<b>2.86%</b>	<b>4.41%</b>	<b>5.10%</b>	<b>8.74%</b>	<b>13.09%</b>
Hippolytidae juvenile	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Larval shrimp (<7mm)	2.44%	2.31%	2.02%	4.60%	8.70%	12.95%
Pandalid shrimp (>12mm)	1.92%	0.42%	1.93%	0.00%	0.00%	0.00%
Shrimp zoea	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Paguridae glaucothoe	0.00%	0.00%	0.30%	0.00%	0.00%	0.00%
Paguridae zoea	0.00%	0.01%	0.02%	0.00%	0.00%	0.01%
Atelecyclidae/crab megalopa	0.12%	0.13%	0.15%	0.50%	0.03%	0.14%
Crab zoea	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Gastropoda</b>	<b>0.67%</b>	<b>0.33%</b>	<b>0.00%</b>	<b>2.30%</b>	<b>0.89%</b>	<b>1.07%</b>
<i>Limacina</i> spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pteropod spp.	0.67%	0.33%	0.00%	2.30%	0.89%	1.07%

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**Appendix 4.** Summary of food load composition of Whiskered Auklet chick meals.**Table A4-1.** Summary of food load composition of Whiskered Auklets at Buldir Island, 1993-2006. Data are presented as annual values of per cent biomass.

<b>Year</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>
<b>n</b>	23	16	48	71	36	26	38
Unid. crustacean	7.40%	0.00%	0.26%	0.00%	0.00%	0.00%	0.00%
<b>Copepoda</b>	<b>19.14%</b>	<b>43.88%</b>	<b>76.67%</b>	<b>93.29%</b>	<b>93.39%</b>	<b>96.95%</b>	<b>93.54%</b>
Calanoid spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Paraeuchaeta birostrata</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.18%
<i>Paraeuchaeta elongata</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Pseudhaloptilus pacificus</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.25%
<i>Calanus marshallae</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Calanus pacificus</i>	0.00%	0.00%	0.06%	0.00%	0.00%	0.00%	0.00%
<b>Neocalanus Total</b>	<b>19.14%</b>	<b>43.88%</b>	<b>76.61%</b>	<b>93.29%</b>	<b>93.39%</b>	<b>96.95%</b>	<b>93.11%</b>
<i>Neocalanus</i> spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Neocalanus cristatus</i>	11.48%	36.80%	36.09%	36.19%	15.50%	75.57%	92.49%
<i>Neocalanus plumchrus/flemingeri</i>	7.66%	7.08%	40.53%	57.10%	77.88%	21.38%	0.61%
<b>Amphipoda</b>	<b>0.09%</b>	<b>4.37%</b>	<b>1.28%</b>	<b>0.26%</b>	<b>0.25%</b>	<b>0.09%</b>	<b>0.33%</b>
Hyalidae	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Lysianassidae	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Hyperoche medusarum</i>	0.00%	0.00%	1.11%	0.26%	0.00%	0.00%	0.00%
<i>Primno macropa</i>	0.01%	3.82%	0.00%	0.00%	0.24%	0.09%	0.33%

<i>Themisto pacifica</i> (<4mm)	0.00%	0.55%	0.17%	0.00%	0.01%	0.00%	0.00%
<i>Themisto</i> spp. (<4mm)	0.08%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Euphausiacea</b>	<b>60.22%</b>	<b>48.80%</b>	<b>20.07%</b>	<b>5.99%</b>	<b>0.23%</b>	<b>1.81%</b>	<b>1.37%</b>
Euphausiid furcilia	0.00%	0.00%	0.00%	0.00%	0.00%	0.35%	0.00%
Euphausiid spp. (lg, > 7mm)	0.00%	0.00%	20.07%	5.99%	0.23%	1.46%	1.37%
<i>Thysanoessa</i> spp. (>12mm)	60.22%	48.80%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Decapoda</b>	<b>0.00%</b>	<b>2.79%</b>	<b>1.50%</b>	<b>0.34%</b>	<b>5.53%</b>	<b>0.59%</b>	<b>2.89%</b>
Hippolytidae juvenile	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.98%
Larval shrimp (<7mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pandalid shrimp (>12mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pandalid shrimp larvae	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Shrimp zoea	0.00%	2.79%	1.50%	0.14%	4.43%	0.59%	1.92%
Atelecyclidae megalopa	0.00%	0.00%	0.00%	0.16%	0.71%	0.00%	0.00%
Crab zoea	0.00%	0.00%	0.00%	0.04%	0.39%	0.00%	0.00%
<b>Gastropoda</b>	<b>0.02%</b>	<b>0.00%</b>	<b>0.21%</b>	<b>0.11%</b>	<b>0.61%</b>	<b>0.55%</b>	<b>1.87%</b>
<i>Limacina helicina</i>	0.02%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Limacina</i> spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.55%	0.00%
Pteropod spp.	0.00%	0.00%	0.21%	0.11%	0.61%	0.00%	1.87%
Unid. snail	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Unid. squid	0.00%	0.16%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Hexagrammos</i> spp. (1+ yr)	13.13%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Year	2000	2001	2002	2003	2004	2005	2006
<b>n</b>	33	28	32	31	37	31	36
Unid. crustacean	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Copepoda</b>	<b>96.70%</b>	<b>99.68%</b>	<b>85.39%</b>	<b>39.55%</b>	<b>98.32%</b>	<b>96.19%</b>	<b>91.42%</b>
Calanoid spp.	0.00%	2.82%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Paraeuchaeta birostrata</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Paraeuchaeta elongata</i>	0.00%	0.13%	0.12%	0.00%	0.00%	0.00%	0.00%
<i>Pseudhaloptilus pacificus</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Calanus marshallae</i>	0.46%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Calanus pacificus</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>Neocalanus Total</b>	<b>96.24%</b>	<b>96.73%</b>	<b>85.27%</b>	<b>39.55%</b>	<b>98.32%</b>	<b>96.19%</b>	<b>91.42%</b>
<i>Neocalanus</i> spp.	5.08%	49.31%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Neocalanus cristatus</i>	70.04%	47.42%	71.96%	8.36%	19.01%	17.71%	58.35%
<i>Neocalanus plumchrus/flemingeri</i>	21.12%	0.00%	13.32%	31.19%	79.32%	78.49%	33.07%
<b>Amphipoda</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.91%</b>	<b>0.00%</b>	<b>0.01%</b>	<b>0.00%</b>
Hyalidae	0.00%	0.00%	0.00%	0.90%	0.00%	0.00%	0.00%
Lysianassidae	0.00%	0.00%	0.00%	0.01%	0.00%	0.00%	0.00%
<i>Hyperoche medusarum</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Primno macropa</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Themisto pacifica</i> (<4mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Themisto</i> spp. (<4mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.01%	0.00%

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<b>Euphausiacea</b>	<b>1.57%</b>	<b>0.30%</b>	<b>13.52%</b>	<b>52.03%</b>	<b>1.61%</b>	<b>3.14%</b>	<b>8.45%</b>
Euphausiid furcilia	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Euphausiid spp. (lg, > 7mm)	1.57%	0.30%	11.73%	4.23%	0.51%	3.03%	8.45%
<i>Thysanoessa</i> spp. (>12mm)	0.00%	0.00%	1.79%	47.80%	1.09%	0.11%	0.00%
<b>Decapoda</b>	<b>1.70%</b>	<b>0.02%</b>	<b>0.69%</b>	<b>7.52%</b>	<b>0.07%</b>	<b>0.66%</b>	<b>0.12%</b>
Hippolytidae juvenile	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Larval shrimp (<7mm)	0.00%	0.00%	0.00%	0.00%	0.00%	0.59%	0.12%
Pandalid shrimp (>12mm)	0.00%	0.00%	0.58%	7.49%	0.00%	0.00%	0.00%
Pandalid shrimp larvae	0.00%	0.02%	0.10%	0.03%	0.00%	0.00%	0.00%
Shrimp zoea	1.70%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Atelecyclidae megalopa	0.00%	0.00%	0.00%	0.00%	0.04%	0.04%	0.00%
Crab zoea	0.00%	0.00%	0.00%	0.00%	0.03%	0.03%	0.00%
<b>Gastropoda</b>	<b>0.03%</b>	<b>0.00%</b>	<b>0.40%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>
<i>Limacina helicina</i>	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Limacina</i> spp.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pteropod spp.	0.03%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Unid. snail	0.00%	0.00%	0.40%	0.00%	0.00%	0.00%	0.00%
Unid. squid	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<i>Hexagrammos</i> spp. (1+ yr)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

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**Appendix 5.** Biomass (g) of *Neocalanus* spp. copepods and euphausiids estimated from Continuous Plankton Recorder tows in our study area during the auklet breeding season (May-August), 2000-2006.

<b>Year</b>	<b><i>N. plumchrus/flemingeri</i></b>	<b><i>N. cristatus</i></b>	<b>Euphausiacea</b>
2000	3.061	5.296	0.078
2001	0.279	0.0834	0.174
2002	3.130	1.529	0.048
2003	0.298	0.042	0.084
2004	3.853	1.154	0.366
2005	1.322	0.056	0.048
2006	5.501	11.468	2.586