



Pre-Permitting Environmental / Socio-Economic Data Report Series

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# Report Series J- Marine Nearshore Fish and Benthic Invertebrates

## Report J-4 Marine Nearshore Fish and Invertebrate Otter Trawl Data Tables 2004-2007

*Submitted to the Alaska Department of Natural Resources August 2009*

*Preliminary data. Do not cite or quote.*

The Pebble Partnership is providing environmental and socio-economic baseline data collected to inform the development of the Pebble Project to state and federal agencies, project stakeholders and the general public prior to project permitting as part of its commitment to full and open disclosure.

A comprehensive Environmental Baseline Document (EBD) will subsequently be prepared and appended to future project permit applications. The EBD will also be made publicly available when complete.

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Report J-4 Table 1				
Total Catch with Otter Trawl in 2004				
Species	Inskin			
	MPS 1T	MPS 2TA	Grand Total	% Total
Longfin smelt ( <i>Spirinchus thaleichthys</i> )		1	1	2.70
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )		10	10	27.03
Starry flounder ( <i>Platichthys stellatus</i> )	1	8	9	24.32
Sand sole ( <i>Psetichthys melanostictus</i> )		1	1	2.70
Rock sole ( <i>Pleuronectes bilineatus</i> )		4	4	10.81
Yellowfin sole ( <i>Pleuronectes asper</i> )		10	10	27.03
Alaska plaice ( <i>Pleuronectes quadrituberculatus</i> )		1	1	2.70
Pacific cod ( <i>Gadus macrocephalus</i> )		1	1	2.70
<b>Grand Total</b>	<b>1</b>	<b>36</b>	<b>37</b>	<b>100</b>
<b># Reps</b>	<b>1</b>	<b>2</b>	<b>3</b>	

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Report J-4 Table 2			
Mean CPUE with Otter Trawl in 2004			
Species	Inskin		Grand Total
	MPS 1T	MPS 2TA	
Longfin smelt ( <i>Spirinchus thaleichthys</i> )		0.50	0.33
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )		5.00	3.33
Starry flounder ( <i>Platichthys stellatus</i> )	1.00	4.00	3.00
Sand sole ( <i>Psetichthys melanostictus</i> )		0.50	0.33
Rock sole ( <i>Pleuronectes bilineatus</i> )		2.00	1.33
Yellowfin sole ( <i>Pleuronectes asper</i> )		5.00	3.33
Alaska plaice ( <i>Pleuronectes quadrituberculatus</i> )		0.50	0.33
Pacific cod ( <i>Gadus macrocephalus</i> )		0.50	0.33
<b>Grand Total</b>	<b>1.00</b>	<b>18.00</b>	<b>12.33</b>
<b># Reps</b>	<b>1</b>	<b>2</b>	<b>3</b>

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Report J-4 Table 3				
Mean CPUE for Three Categories of Tide Status in 2005				
Species	Tide Status			
	E	F	H	Grand Total
Chinook salmon ( <i>O. tshawytscha</i> )				
Adult				
Juvenile	0.08	0.08	0.03	0.05
Chum salmon ( <i>O. keta</i> )				
Adult	0.85		0.03	0.16
Juvenile	17.62	15.20	19.51	17.70
Coho salmon ( <i>O. kisutch</i> )				
Adult			0.06	0.03
Juvenile			0.06	0.03
Sockeye salmon ( <i>O. nerka</i> )				
Adult				
Juvenile	3.85	4.88	1.89	3.26
Pink salmon ( <i>O. gorbuscha</i> )				
Adult	0.54	0.40		0.23
Juvenile	41.54	25.24	37.31	33.93
Dolly Varden ( <i>Salvelinus malma</i> )	3.54	2.80	7.86	5.36
Smelt, unid'd ( <i>Osmeridae</i> )	0.08		0.03	0.03
Longfin smelt ( <i>Spirinchus thaleichthys</i> )	1.54	0.40	2.00	1.37
Surf smelt ( <i>Hypomesus pretiosus</i> )	0.31	0.68	0.23	0.40
Herring ( <i>Clupea pallasii</i> )	37.08	179.84	52.69	93.45
Threespine stickleback ( <i>Gasterosteus aculeatus</i> )		0.40	0.09	0.18
Sculpin, unid'd. ( <i>Cottidae</i> )	0.08		0.03	0.03
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )	14.00	0.36	1.37	3.27
Buffalo sculpin ( <i>Enophrys bison</i> )				
Silverspotted sculpin ( <i>Blepsias cirrhosus</i> )		0.12		0.04
Great sculpin ( <i>Myoxocephalus polyacanthocephalus</i> )	0.15	0.04		0.04
Red Irish lord ( <i>Hemilepidotus hemilepidotus</i> )		0.08		0.03
Whitespotted greenling ( <i>Hexagrammos stelleri</i> )	0.08	0.48		0.18
Tube-nose poacher ( <i>Pallasina barbata</i> )	0.38	0.12	0.03	0.12
Prickleback ( <i>Stichaeidae</i> )		0.08	0.03	0.04
Pacific sand lance ( <i>Ammodytes hexapterus</i> )	3.85	2.96	1.51	2.42
Crescent Gunnel ( <i>Pholis laeta</i> )	0.08	0.04		0.03
Gunnel unid'd ( <i>Pholidae/Stichaeidae</i> )	0.31	0.04		0.07
Dusky snailfish ( <i>Liparis gibbus</i> )				
Flatfish, unid'd ( <i>Pleuronectidae</i> )		0.04		0.01
Starry flounder ( <i>Platichthys stellatus</i> )	7.31	1.32	1.91	2.67
Arrowtooth flounder ( <i>Atheresthes stomias</i> )	0.15	0.08		0.05
Halibut ( <i>Hippoglossus stenolepis</i> )			0.03	0.01
Rock sole ( <i>Pleuronectes bilineatus</i> )		0.04		0.01
Yellowfin sole ( <i>Pleuronectes asper</i> )	0.15			0.03
Pacific Cod ( <i>Gadus macrocephalus</i> )		0.04		0.01
Tomcod ( <i>Microgadus proximus</i> )		0.04	0.09	0.05
Sturgeon poacher ( <i>Podothecus acipenserinus</i> )		0.20		0.07
Pacific sandfish ( <i>Trichodon trichodon</i> )		0.08		0.03
<b>Total juvenile salmonids</b>	<b>63.08</b>	<b>45.40</b>	<b>58.80</b>	<b>54.97</b>
<b>Grand Total</b>	<b>133.54</b>	<b>236.08</b>	<b>126.77</b>	<b>165.41</b>
<b># Sets</b>	<b>13</b>	<b>25</b>	<b>35</b>	<b>73</b>

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Report J-4 Table 4									
Total Catch with Otter Trawl in 2005									
Species	Iniskin				Iliamna			Grand Total	% Total
	MPS1T	MPS2T	MPS2TA	MPS2TB	MTR1	MTR2	MTR3		
Herring ( <i>Clupea pallasii</i> )									
Longfin smelt ( <i>Spirinchus thaleichthys</i> )				2		1		3	0.40
Threespine stickleback ( <i>Gasterosteus aculeatus</i> )									
Sculpin, unid'd. ( <i>Cottidae</i> )				4				4	0.53
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )	3	1	5	11	2	1	28	51	6.77
Buffalo sculpin ( <i>Enophrys bison</i> )		2		1	1			4	0.53
Calico sculpin ( <i>Clinocottus embryum</i> )				1				1	0.13
Great sculpin ( <i>Myoxocephalus polyacanthocephalus</i> )		2			2			4	0.53
Saffron cod ( <i>Eleginus gracilis</i> )									
Greenling, unid'd ( <i>Hexagrammidae</i> )									
Whitespotted greenling ( <i>Hexagrammos stelleri</i> )		3	2		6	1		12	1.59
Kelp greenling ( <i>Hexagrammos decagrammus</i> )					1		1	2	0.27
Poacher, unid'd ( <i>Agonidae</i> )									
Tube-nose poacher ( <i>Pallasina barbata</i> )	1	1				1		3	0.40
Prickleback ( <i>Stichaeidae</i> )	2							2	0.27
Snake prickleback ( <i>Lumpenus sagitta</i> )	38	81		47	3	21	14	204	27.09
Crescent Gunnel ( <i>Pholis laeta</i> )				1				1	0.13
Gunnel unid'd ( <i>Pholidae/Stichaeidae</i> )	2	2						4	0.53
Sturgeon poacher ( <i>Podothecus acipenserinus</i> )	1			4			2	7	0.93
Liparid, unid'd ( <i>Liparidae</i> )	2			2				4	0.53
Dusky snailfish ( <i>Liparis gibbus</i> )		2						2	0.27
Flatfish, unid'd ( <i>Pleuronectidae</i> )	4	7		2	1		3	17	2.26
Starry flounder ( <i>Platichthys stellatus</i> )	1		2	7	1	1	27	39	5.18
Arrowtooth flounder ( <i>Atheresthes stomias</i> )	6		4	5		4		19	2.52
Halibut ( <i>Hippoglossus stenolepis</i> )	2	9	5	4	1	1		22	2.92
Sand sole ( <i>Psetichthys melanostictus</i> )	9					1	1	11	1.46
Rock sole ( <i>Pleuronectes bilineatus</i> )	3	4		1				8	1.06
Yellowfin sole ( <i>Pleuronectes asper</i> )	42	45	28	148	1	10	7	281	37.32
Alaska plaice ( <i>Pleuronectes quadrituberculatus</i> )									
Dover sole ( <i>Microstomus pacificus</i> )				1				1	0.13
Pacific Cod ( <i>Gadus macrocephalus</i> )	1			3		3		7	0.93
Tomcod ( <i>Microgadus proximus</i> )			1					1	0.13
Walleye pollock ( <i>Theragra chalcogramma</i> )	1		9	6		23		39	5.18
<b>Grand Total</b>	<b>118</b>	<b>159</b>	<b>56</b>	<b>250</b>	<b>19</b>	<b>68</b>	<b>83</b>	<b>753</b>	<b>100</b>
<b># Reps</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>38</b>	

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Report J-4 Table 5								
Mean CPUE with Otter Trawl in 2005								
Species	Iniskin				Iliamna			Grand Total
	MPS1T	MPS2T	MPS2TA	MPS2TB	MTR1	MTR2	MTR3	
Herring ( <i>Clupea pallasii</i> )								
Longfin smelt ( <i>Spirinchus thaleichthys</i> )				0.33		0.20		0.08
Threespine stickleback ( <i>Gasterosteus aculeatus</i> )								
Sculpin, unid'd. ( <i>Cottidae</i> )				0.67				0.11
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )	0.60	0.17	0.83	1.83	0.33	0.20	7.00	1.34
Buffalo sculpin ( <i>Enophrys bison</i> )		0.33		0.17	0.17			0.11
Calico sculpin ( <i>Clinocottus embryum</i> )				0.17				0.03
Great sculpin ( <i>Myoxocephalus polyacanthocephalus</i> )		0.33			0.33			0.11
Saffron cod ( <i>Eleginus gracilis</i> )								
Greenling, unid'd ( <i>Hexagrammidae</i> )								
Whitespotted greenling ( <i>Hexagrammos stelleri</i> )		0.50	0.33		1.00	0.20		0.32
Kelp greenling ( <i>Hexagrammos decagrammus</i> )					0.17		0.25	0.05
Poacher, unid'd ( <i>Agonidae</i> )								
Tube-nose poacher ( <i>Pallasina barbata</i> )	0.20	0.17				0.20		0.08
Prickleback ( <i>Stichaeidae</i> )	0.40							0.05
Snake prickleback ( <i>Lumpenus sagitta</i> )	7.60	13.50		7.83	0.50	4.20	3.50	5.37
Crescent Gunnel ( <i>Pholis laeta</i> )				0.17				0.03
Gunnel unid'd ( <i>Pholidae/Stichaeidae</i> )	0.40	0.33						0.11
Sturgeon poacher ( <i>Podothecus acipenserinus</i> )	0.20			0.67			0.50	0.18
Liparid, unid'd ( <i>Liparidae</i> )	0.40			0.33				0.11
Dusky snailfish ( <i>Liparis gibbus</i> )		0.33						0.05
Flatfish, unid'd ( <i>Pleuronectidae</i> )	0.80	1.17		0.33	0.17		0.75	0.45
Starry flounder ( <i>Platichthys stellatus</i> )	0.20		0.33	1.17	0.17	0.20	6.75	1.03
Arrowtooth flounder ( <i>Atheresthes stomias</i> )	1.20		0.67	0.83		0.80		0.50
Halibut ( <i>Hippoglossus stenolepis</i> )	0.40	1.50	0.83	0.67	0.17	0.20		0.58
Sand sole ( <i>Psettichthys melanostictus</i> )	1.80					0.20	0.25	0.29
Rock sole ( <i>Pleuronectes bilineatus</i> )	0.60	0.67		0.17				0.21
Yellowfin sole ( <i>Pleuronectes asper</i> )	8.40	7.50	4.67	24.67	0.17	2.00	1.75	7.39
Alaska plaice ( <i>Pleuronectes quadrituberculatus</i> )								
Dover sole ( <i>Microstomus pacificus</i> )				0.17				0.03
Pacific Cod ( <i>Gadus macrocephalus</i> )	0.20			0.50		0.60		0.18
Tomcod ( <i>Microgadus proximus</i> )			0.17					0.03
Walleye pollock ( <i>Theragra chalcogramma</i> )	0.20		1.50	1.00		4.60		1.03
<b>Grand Total</b>	<b>23.60</b>	<b>26.50</b>	<b>9.33</b>	<b>41.67</b>	<b>3.17</b>	<b>13.60</b>	<b>20.75</b>	<b>19.82</b>
<b># Reps</b>	<b>5</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>38</b>

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Report J-4 Table 6						
Total Catch with Otter Trawl by Month in 2005						
Species	May	June	July	August	Total	% Total
Herring ( <i>Clupea pallasii</i> )						
Longfin smelt ( <i>Spirinchus thaleichthys</i> )	3				3	0.40
Threespine stickleback ( <i>Gasterosteus aculeatus</i> )						
Sculpin, unid'd. ( <i>Cottidae</i> )		2	2		4	0.53
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )	7	17	22	5	51	6.77
Buffalo sculpin ( <i>Enophrys bison</i> )		2		2	4	0.53
Calico sculpin ( <i>Clinocottus embryum</i> )		1			1	0.13
Great sculpin ( <i>Myoxocephalus polyacanthocephalus</i> )			1	3	4	0.53
Saffron cod ( <i>Eleginus gracilis</i> )						
Greenling, unid'd ( <i>Hexagrammidae</i> )						
Whitespotted greenling ( <i>Hexagrammos stelleri</i> )	5	4	3		12	1.59
Kelp greenling ( <i>Hexagrammos decagrammus</i> )		1		1	2	0.27
Poacher, unid'd ( <i>Agonidae</i> )						
Tubenose poacher ( <i>Pallasina barbata</i> )		1		2	3	0.40
Prickleback ( <i>Stichaeidae</i> )		2			2	0.27
Snake prickleback ( <i>Lumpenus sagitta</i> )	161	27	4	12	204	27.09
Crescent Gunnel ( <i>Pholis laeta</i> )				1	1	0.13
Gunnel unid'd ( <i>Pholidae/Stichaeidae</i> )	4				4	0.53
Sturgeon poacher ( <i>Podothecus acipenserinus</i> )	2	4		1	7	0.93
Liparid, unid'd ( <i>Liparidae</i> )		2	1	1	4	0.53
Dusky snailfish ( <i>Liparis gibbus</i> )	2				2	0.27
Flatfish, unid'd ( <i>Pleuronectidae</i> )	6	8	2	1	17	2.26
Starry flounder ( <i>Platichthys stellatus</i> )	20	7	5	7	39	5.18
Arrowtooth flounder ( <i>Atheresthes stomias</i> )	3	15		1	19	2.52
Halibut ( <i>Hippoglossus stenolepis</i> )	4	9	4	5	22	2.92
Sand sole ( <i>Psetichthys melanostictus</i> )	1	10			11	1.46
Rock sole ( <i>Pleuronectes bilineatus</i> )	4	1	3		8	1.06
Yellowfin sole ( <i>Pleuronectes asper</i> )	171	74	24	12	281	37.32
Alaska plaice ( <i>Pleuronectes quadrituberculatus</i> )	1				1	0.13
Dover sole ( <i>Microstomus pacificus</i> )						
Pacific Cod ( <i>Gadus macrocephalus</i> )		4	2	1	7	0.93
Tomcod ( <i>Microgadus proximus</i> )		1			1	0.13
Walleye pollock ( <i>Theragra chalcogramma</i> )	25	14			39	5.18
<b>Grand Total</b>	<b>419</b>	<b>206</b>	<b>73</b>	<b>55</b>	<b>753</b>	<b>100</b>
<b># Reps</b>	<b>8</b>	<b>17</b>	<b>6</b>	<b>7</b>	<b>38</b>	

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Report J-4 Table 7					
Mean CPUE with Otter Trawl by Month in 2005					
Species	May	June	July	August	Total
Herring ( <i>Clupea pallasii</i> )					
Longfin smelt ( <i>Spirinchus thaleichthys</i> )	0.38				0.08
Threespine stickleback ( <i>Gasterosteus aculeatus</i> )					
Sculpin, unid'd. ( <i>Cottidae</i> )		0.12	0.33		0.11
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )	0.88	1.00	3.67	0.71	1.34
Buffalo sculpin ( <i>Enophrys bison</i> )		0.12		0.29	0.11
Calico sculpin ( <i>Clinocottus embryum</i> )		0.06			0.03
Great sculpin ( <i>Myoxocephalus polyacanthocephalus</i> )			0.17	0.43	0.11
Saffron cod ( <i>Eleginus gracilis</i> )					
Greenling, unid'd ( <i>Hexagrammidae</i> )					
Whitespotted greenling ( <i>Hexagrammos stelleri</i> )	0.63	0.24	0.50		0.32
Kelp greenling ( <i>Hexagrammos decagrammus</i> )		0.06		0.14	0.05
Poacher, unid'd ( <i>Agonidae</i> )					
Tubenose poacher ( <i>Pallasina barbata</i> )		0.06		0.29	0.08
Prickleback ( <i>Stichaeidae</i> )		0.12			0.05
Snake prickleback ( <i>Lumpenus sagitta</i> )	20.13	1.59	0.67	1.71	5.37
Crescent Gunnel ( <i>Pholis laeta</i> )				0.14	0.03
Gunnel unid'd ( <i>Pholidae/Stichaeidae</i> )	0.50				0.11
Sturgeon poacher ( <i>Podothecus acipenserinus</i> )	0.25	0.24		0.14	0.18
Liparid, unid'd ( <i>Liparidae</i> )		0.12	0.17	0.14	0.11
Dusky snailfish ( <i>Liparis gibbus</i> )	0.25				0.05
Flatfish, unid'd ( <i>Pleuronectidae</i> )	0.75	0.47	0.33	0.14	0.45
Starry flounder ( <i>Platichthys stellatus</i> )	2.50	0.41	0.83	1.00	1.03
Arrowtooth flounder ( <i>Atheresthes stomias</i> )	0.38	0.88		0.14	0.50
Halibut ( <i>Hippoglossus stenolepis</i> )	0.50	0.53	0.67	0.71	0.58
Sand sole ( <i>Psettichthys melanostictus</i> )	0.13	0.59			0.29
Rock sole ( <i>Pleuronectes bilineatus</i> )	0.50	0.06	0.50		0.21
Yellowfin sole ( <i>Pleuronectes asper</i> )	21.38	4.35	4.00	1.71	7.39
Alaska plaice ( <i>Pleuronectes quadrituberculatus</i> )	0.13				0.03
Dover sole ( <i>Microstomus pacificus</i> )					
Pacific Cod ( <i>Gadus macrocephalus</i> )		0.24	0.33	0.14	0.18
Tomcod ( <i>Microgadus proximus</i> )		0.06			0.03
Walleye pollock ( <i>Theragra chalcogramma</i> )	3.13	0.82			1.03
<b>Grand Total</b>	<b>52.38</b>	<b>12.12</b>	<b>12.17</b>	<b>7.86</b>	<b>19.82</b>
<b># Reps</b>	<b>8</b>	<b>17</b>	<b>6</b>	<b>7</b>	<b>38</b>

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Report J-4 Table 8									
Total Catch with Otter Trawl in 2006									
Species	Iniskin				Iliamna			Grand Total	% Total
	MPS1T	MPS2T	MPS2TA	MPS2TB	MTR1	MTR2	MTR3		
Herring ( <i>Clupea pallasii</i> )			1	1		1		3	1.29
Longfin smelt ( <i>Spirinchus thaleichthys</i> )									
Threespine stickleback ( <i>Gasterosteus aculeatus</i> )									
Sculpin, unid'd. ( <i>Cottidae</i> )									
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )				1		2		3	1.29
Buffalo sculpin ( <i>Enophrys bison</i> )				4				4	1.72
Calico sculpin ( <i>Clinocottus embryum</i> )									
Great sculpin ( <i>Myoxocephalus polyacanthocephalus</i> )	4	3	1	3		1		12	5.17
Saffron cod ( <i>Eleginus gracilis</i> )									
Greenling, unid'd ( <i>Hexagrammidae</i> )									
Whitespotted greenling ( <i>Hexagrammos stelleri</i> )	4	5				1		10	4.31
Kelp greenling ( <i>Hexagrammos decagrammus</i> )									
Poacher, unid'd ( <i>Agonidae</i> )									
Tube-nose poacher ( <i>Pallasina barbata</i> )	1	2	1			4		8	3.45
Prickleback ( <i>Stichaeidae</i> )									
Snake prickleback ( <i>Lumpenus sagitta</i> )	42	5	11	41	10	7		116	50.00
Crescent Gunnel ( <i>Pholis laeta</i> )									
Gunnel unid'd ( <i>Pholidae/Stichaeidae</i> )									
Sturgeon poacher ( <i>Podothecus acipenserinus</i> )			1			2		3	1.29
Liparid, unid'd ( <i>Liparidae</i> )									
Dusky snailfish ( <i>Liparis gibbus</i> )	2	1	4	1		1		9	3.88
Flatfish, unid'd ( <i>Pleuronectidae</i> )									
Starry flounder ( <i>Platichthys stellatus</i> )	1			1	2	3		7	3.02
Arrowtooth flounder ( <i>Atheresthes stomias</i> )									
Halibut ( <i>Hippoglossus stenolepis</i> )	1							1	0.43
Sand sole ( <i>Psetichthys melanostictus</i> )	2					5		7	3.02
Rock sole ( <i>Pleuronectes bilineatus</i> )					1			1	0.43
Yellowfin sole ( <i>Pleuronectes asper</i> )	1	3	2	4	5	10		25	10.78
Alaska plaice ( <i>Pleuronectes quadrituberculatus</i> )									
Dover sole ( <i>Microstomus pacificus</i> )									
Pacific Cod ( <i>Gadus macrocephalus</i> )	1				3	2		6	2.59
Tomcod ( <i>Microgadus proximus</i> )									
Walleye pollock ( <i>Theragra chalcogramma</i> )	4	1	5	7				17	7.33
<b>Grand Total</b>	<b>63</b>	<b>20</b>	<b>26</b>	<b>63</b>	<b>21</b>	<b>39</b>	<b>0</b>	<b>232</b>	<b>100</b>
<b># Reps</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>18</b>	

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Report J-4 Table 9								
Mean CPUE with Otter Trawl in 2006								
Species	Iniskin				Iliamna			Grand Total
	MPS1T	MPS2T	MPS2TA	MPS2TB	MTR1	MTR2	MTR3	
Herring ( <i>Clupea pallasii</i> )			0.33	0.50		0.33		0.17
Longfin smelt ( <i>Spirinchus thaleichthys</i> )								
Threespine stickleback ( <i>Gasterosteus aculeatus</i> )								
Sculpin, unid'd. ( <i>Cottidae</i> )								
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )				0.50		0.67		0.17
Buffalo sculpin ( <i>Enophrys bison</i> )				2.00				0.22
Calico sculpin ( <i>Clinocottus embryum</i> )								
Great sculpin ( <i>Myoxocephalus polyacanthocephalus</i> )	1.00	1.00	0.33	1.50		0.33		0.67
Saffron cod ( <i>Eleginus gracilis</i> )								
Greenling, unid'd ( <i>Hexagrammidae</i> )								
Whitespotted greenling ( <i>Hexagrammos stelleri</i> )	1.00	1.67				0.33		0.56
Kelp greenling ( <i>Hexagrammos decagrammus</i> )								
Poacher, unid'd ( <i>Agonidae</i> )								
Tube-nose poacher ( <i>Pallasina barbata</i> )	0.25	0.67	0.33			1.33		0.44
Prickleback ( <i>Stichaeidae</i> )								
Snake prickleback ( <i>Lumpenus sagitta</i> )	10.50	1.67	3.67	20.50	3.33	2.33		6.44
Crescent Gunnel ( <i>Pholis laeta</i> )								
Gunnel unid'd ( <i>Pholidae/Stichaeidae</i> )								
Sturgeon poacher ( <i>Podothecus acipenserinus</i> )			0.33			0.67		0.17
Liparid, unid'd ( <i>Liparidae</i> )								
Dusky snailfish ( <i>Liparis gibbus</i> )	0.50	0.33	1.33	0.50		0.33		0.50
Flatfish, unid'd ( <i>Pleuronectidae</i> )								
Starry flounder ( <i>Platichthys stellatus</i> )	0.25			0.50	0.67	1.00		0.39
Arrowtooth flounder ( <i>Atheresthes stomias</i> )								
Halibut ( <i>Hippoglossus stenolepis</i> )	0.25							0.06
Sand sole ( <i>Psetichthys melanostictus</i> )	0.50					1.67		0.39
Rock sole ( <i>Pleuronectes bilineatus</i> )					0.33			0.06
Yellowfin sole ( <i>Pleuronectes asper</i> )	0.25	1.00	0.67	2.00	1.67	3.33		1.39
Alaska plaice ( <i>Pleuronectes quadrituberculatus</i> )								
Dover sole ( <i>Microstomus pacificus</i> )								
Pacific Cod ( <i>Gadus macrocephalus</i> )	0.25				1.00	0.67		0.33
Tomcod ( <i>Microgadus proximus</i> )								
Walleye pollock ( <i>Theragra chalcogramma</i> )	1.00	0.33	1.67	3.50				0.94
<b>Grand Total</b>	<b>15.75</b>	<b>6.67</b>	<b>8.67</b>	<b>31.50</b>	<b>7.00</b>	<b>13.00</b>	<b>#DIV/0!</b>	<b>12.89</b>
<b># Reps</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>18</b>

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Report J-4 Table 10										
Total Catch with Otter Trawl in 2007										
Species	Iniskin				MPT4 (IN CHAN 3)	Iliamna			Grand Total	% Total
	MPS1T	MPS2T	MPS2TA	MPS2TB		MTR1	MTR2	MTR3		
Herring ( <i>Clupea pallasii</i> )		2		1	1	231			235	55.42
Longfin smelt ( <i>Spirinchus thaleichthys</i> )	3		2						5	1.18
Threespine stickleback ( <i>Gasterosteus aculeatus</i> )										
Sculpin, unid'd. ( <i>Cottidae</i> )				1					1	0.24
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )	3			1	2			1	7	1.65
Buffalo sculpin ( <i>Enophrys bison</i> )										
Calico sculpin ( <i>Clinocottus embryum</i> )	1								1	0.24
Great sculpin ( <i>Myoxocephalus polyacanthocephalus</i> )	1		1			1			3	0.71
Saffron cod ( <i>Eleginus gracilis</i> )										
Greenling, unid'd ( <i>Hexagrammidae</i> )										
Whitespotted greenling ( <i>Hexagrammos stelleri</i> )	1			2		4			7	1.65
Kelp greenling ( <i>Hexagrammos decagrammus</i> )										
Poacher, unid'd ( <i>Agonidae</i> )										
Tube-nose poacher ( <i>Pallasina barbata</i> )	8		4	4	4	2		3	25	5.90
Prickleback ( <i>Stichaeidae</i> )										
Snake prickleback ( <i>Lumpenus sagitta</i> )	58	11		10	1	11		1	92	21.70
Crescent Gunnel ( <i>Pholis laeta</i> )										
Gunnel unid'd ( <i>Pholidae/Stichaeidae</i> )										
Sturgeon poacher ( <i>Podothecus acipenserinus</i> )	1			2	1				4	0.94
Liparid, unid'd ( <i>Liparidae</i> )					1				1	0.24
Dusky snailfish ( <i>Liparis gibbus</i> )	1		1					2	4	0.94
Flatfish, unid'd ( <i>Pleuronectidae</i> )			1						1	0.24
Starry flounder ( <i>Platichthys stellatus</i> )			2		3	1		6	12	2.83
Arrowtooth flounder ( <i>Atheresthes stomias</i> )				1					1	0.24
Halibut ( <i>Hippoglossus stenolepis</i> )				1			2		3	0.71
Sand sole ( <i>Psettichthys melanostictus</i> )		4					1		5	1.18
Rock sole ( <i>Pleuronectes bilineatus</i> )						1			1	0.24
Yellowfin sole ( <i>Pleuronectes asper</i> )	1	3	1	1		2	2		10	2.36
Alaska plaice ( <i>Pleuronectes quadrituberculatus</i> )										
Dover sole ( <i>Microstomus pacificus</i> )										
Pacific Cod ( <i>Gadus macrocephalus</i> )										
Tomcod ( <i>Microgadus proximus</i> )										
Walleye pollock ( <i>Theragra chalcogramma</i> )	6								6	1.42
<b>Grand Total</b>	<b>84</b>	<b>20</b>	<b>12</b>	<b>24</b>	<b>13</b>	<b>253</b>	<b>5</b>	<b>13</b>	<b>424</b>	<b>100</b>
<b># Reps</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>14</b>	

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Report J-4 Table 11									
Mean CPUE with Otter Trawl in 2007									
Species	Iniskin				MPT4 (IN CHAN 3)	Iliamna			Grand Total
	MPS1T	MPS2T	MPS2TA	MPS2TB		MTR1	MTR2	MTR3	
Herring ( <i>Clupea pallasii</i> )		0.67		0.50	1.00	115.50			16.79
Longfin smelt ( <i>Spirinchus thaleichthys</i> )	1.50		1.00						0.36
Threespine stickleback ( <i>Gasterosteus aculeatus</i> )									
Sculpin, unid'd. ( <i>Cottidae</i> )				0.50					0.07
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )	1.50			0.50	2.00			1.00	0.50
Buffalo sculpin ( <i>Enophrys bison</i> )									
Calico sculpin ( <i>Clinocottus embryum</i> )	0.50								0.07
Great sculpin ( <i>Myoxocephalus polyacanthocephalus</i> )	0.50		0.50			0.50			0.21
Saffron cod ( <i>Eleginus gracilis</i> )									
Greenling, unid'd ( <i>Hexagrammidae</i> )									
Whitespotted greenling ( <i>Hexagrammos stelleri</i> )	0.50			1.00		2.00			0.50
Kelp greenling ( <i>Hexagrammos decagrammus</i> )									
Poacher, unid'd ( <i>Agonidae</i> )									
Tube-nose poacher ( <i>Pallasina barbata</i> )	4.00		2.00	2.00	4.00	1.00		3.00	1.79
Prickleback ( <i>Stichaeidae</i> )									
Snake prickleback ( <i>Lumpenus sagitta</i> )	29.00	3.67		5.00	1.00	5.50		1.00	6.57
Crescent Gunnel ( <i>Pholis laeta</i> )									
Gunnel unid'd ( <i>Pholidae/Stichaeidae</i> )									
Sturgeon poacher ( <i>Podothecus acipenserinus</i> )	0.50			1.00	1.00				0.29
Liparid, unid'd ( <i>Liparidae</i> )					1.00				0.07
Dusky snailfish ( <i>Liparis gibbus</i> )	0.50		0.50					2.00	0.29
Flatfish, unid'd ( <i>Pleuronectidae</i> )			0.50						0.07
Starry flounder ( <i>Platichthys stellatus</i> )			1.00		3.00	0.50		6.00	0.86
Arrowtooth flounder ( <i>Atheresthes stomias</i> )				0.50					0.07
Halibut ( <i>Hippoglossus stenolepis</i> )				0.50			2.00		0.21
Sand sole ( <i>Psetichthys melanostictus</i> )		1.33					1.00		0.36
Rock sole ( <i>Pleuronectes bilineatus</i> )						0.50			0.07
Yellowfin sole ( <i>Pleuronectes asper</i> )	0.50	1.00	0.50	0.50		1.00	2.00		0.71
Alaska plaice ( <i>Pleuronectes quadrituberculatus</i> )									
Dover sole ( <i>Microstomus pacificus</i> )									
Pacific Cod ( <i>Gadus macrocephalus</i> )									
Tomcod ( <i>Microgadus proximus</i> )									
Walleye pollock ( <i>Theragra chalcogramma</i> )	3.00								0.43
<b>Grand Total</b>	<b>42.00</b>	<b>6.67</b>	<b>6.00</b>	<b>12.00</b>	<b>13.00</b>	<b>126.50</b>	<b>5.00</b>	<b>13.00</b>	<b>30.29</b>
<b># Reps</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>14</b>

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Report J-4 Table 12			
Mean CPUE with Otter Trawl by Month in 2007			
Species	September	October	Total
Herring ( <i>Clupea pallasii</i> )	29.25	0.17	16.79
Longfin smelt ( <i>Spirinchus thaleichthys</i> )	0.63		0.36
Threespine stickleback ( <i>Gasterosteus aculeatus</i> )			
Sculpin, unid'd. ( <i>Cottidae</i> )		0.17	0.07
Pacific staghorn sculpin ( <i>Leptocottus armatus</i> )	0.38	0.67	0.50
Buffalo sculpin ( <i>Enophrys bison</i> )			
Calico sculpin ( <i>Clinocottus embryum</i> )	0.13		0.07
Great sculpin ( <i>Myoxocephalus polyacanthocephalus</i> )	0.25	0.17	0.21
Saffron cod ( <i>Eleginus gracilis</i> )			
Greenling, unid'd ( <i>Hexagrammidae</i> )			
Whitespotted greenling ( <i>Hexagrammos stelleri</i> )	0.75	0.17	0.50
Kelp greenling ( <i>Hexagrammos decagrammus</i> )			
Poacher, unid'd ( <i>Agonidae</i> )			
Tube-nose poacher ( <i>Pallasina barbata</i> )	1.75	1.83	1.79
Prickleback ( <i>Stichaeidae</i> )			
Snake prickleback ( <i>Lumpenus sagitta</i> )	10.00	2.00	6.57
Crescent Gunnel ( <i>Pholis laeta</i> )			
Gunnel unid'd ( <i>Pholidae/Stichaeidae</i> )			
Sturgeon poacher ( <i>Podothecus acipenserinus</i> )	0.25	0.33	0.29
Liparid, unid'd ( <i>Liparidae</i> )	0.13		0.07
Dusky snailfish ( <i>Liparis gibbus</i> )	0.13	0.50	0.29
Flatfish, unid'd ( <i>Pleuronectidae</i> )	0.13		0.07
Starry flounder ( <i>Platichthys stellatus</i> )	0.63	1.17	0.86
Arrowtooth flounder ( <i>Atheresthes stomias</i> )		0.17	0.07
Halibut ( <i>Hippoglossus stenolepis</i> )	0.25	0.17	0.21
Sand sole ( <i>Psetichthys melanostictus</i> )	0.13	0.67	0.36
Rock sole ( <i>Pleuronectes bilineatus</i> )		0.17	0.07
Yellowfin sole ( <i>Pleuronectes asper</i> )	0.88	0.50	0.71
Dover sole ( <i>Microstomus pacificus</i> )			
Alaska plaice ( <i>Pleuronectes quadrituberculatus</i> )			
Pacific Cod ( <i>Gadus macrocephalus</i> )			
Tomcod ( <i>Microgadus proximus</i> )			
Walleye pollock ( <i>Theragra chalcogramma</i> )	0.75		0.43
<b>Grand Total</b>	<b>46.38</b>	<b>8.83</b>	<b>30.29</b>
<b># Reps</b>	<b>8</b>	<b>6</b>	<b>14</b>

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Report J-4 Table 13

Total Catch and CPUE by Station of Macroinvertebrates Sampled by Otter Trawl in 2005, 2006, and 2007

Taxon	Station								Grand Total
	MPS 1T	MPS 2T	MPS 2TA	MPS 2TB	MTR 1	MTR 2	MTR 3	MTR 4	
<i>Acanthodoris pilosa</i>	67			1	3				71
<i>Acanthomysis pseudomacropsis</i>	221					5			226
<i>Alcyonidium</i> sp.		1	2	35				35	73
<i>Anthomedusae</i>					1				1
<i>Argis dentata</i>		1							1
Ascidacea					1	1			2
Asteroidea	15	2	2	3	5	3			30
<i>Balanus</i> sp.	188	50	503	389	79	14	115		1,338
Bryozoa				1		1		17	19
<i>Cancer magister</i>	13	15		2		3	1		34
<i>Cancer oregonensis</i>	1								1
<i>Cancer</i> sp.		1	1						2
<i>Chionoecetes bairdi</i>	34	2	39		1	3			79
<i>Crangon alaskensis</i>	2,301	571	934	1,622	324	742	131		6,625
<i>Crangon franciscorum</i>	86	23	8	64		2	18		201
<i>Crangon</i> sp.	4	48	62	5	35	31	7	1,500	1,692
<i>Cucumaria japonica</i>						1			1
<i>Elassochirus tenuimanus</i>	11	7	8	2	3				31
<i>Erimacrus isenbecki</i>									0
<i>Eteone</i> sp.					1				1
<i>Eualus fabricii</i>	3								3
<i>Exgone</i> sp.									0
<i>Flabellina salmonacea</i>					3				3
<i>Flustra</i> sp.			2	2					4
<i>Flustrella</i> sp.	3	1	3	4	1	1			13
<i>Gnorimosphaeroma oregonense</i>				1					1
<i>Harmothoe</i> sp.			3						3
<i>Heptacarpus brevirostris</i>	12	6	13	1,002	358	20	1		1,412
<i>Heptacarpus camtschaticus</i>		2		2	86				90
<i>Heptacarpus sitchensis</i>	31	2	2	4	22				61
<i>Heptacarpus stimpsoni</i>			11	3	10				24
<i>Heptacarpus stylus</i>					39				39
<i>Heptacarpus tenuissimus</i>		2			26				28
<i>Heptacarpus tridens</i>	32	13	44	100	96		1		286
<i>Heptacarpus</i> sp.				1	20				21
<i>Hiatella arctica</i>				3					3
<i>Hyas lyratus</i>	21	7	22	33	21	27			131
Hydrozoa				1					1
<i>Ischnochiton</i> sp.					1				1
<i>Lacuna crassior</i>				22					22
<i>Lacuna vincta</i>	15	8	20	2	5	8			58
<i>Lacuna</i> sp.	7			4		1			12
<i>Lebbeus groenlandicus</i>		2	6	12					20
<i>Leptasterias</i> sp.	1			2	1				4
<i>Macoma</i> sp.					3				3
<i>Melita</i> sp.					1				1
Mysidacea					1			35	36
<i>Neomysis czerniavsky</i>	8					37			45
<i>Neomysis rayi</i>	3		7	2	2	23			37
<i>Neomysis</i> sp.	51	134	189	57	57	286	237		1,011
<i>Nephtys ciliata</i>									0
<i>Neptunea lyrata</i>	12	1	24			9			46
<i>Neptunea</i> sp.	1								1
<i>Nucella lamellosa</i>		5	3						8
<i>Nucella</i> sp.	11	6	5	2		4			28
<i>Nudibranchia</i>	1		4	2			1		8
<i>Oregonia gracilis</i>	13	8	31	23	23	7			105
<i>Pagurus armatus</i>	3	2	18	1	2	4			30
<i>Pagurus beringanus</i>	17	9	8	3	17	8			62
<i>Pagurus capillatus</i>	1								1
<i>Pagurus hirsutiusculus</i>		1			1				2
<i>Pagurus ochotensis</i>	1		6		2				9
<i>Pagurus</i> sp.	69	56	59	11	26	11	1		233
<i>Pandalus danae</i>	167	21	22	35	1,288	22			1,555
<i>Pandalus goniurus</i>	1,085	36	940	3,408	3,651	115			9,235
<i>Pandalus</i> sp.	1	1				1			3
<i>Pandalus tridens</i>					1	2			3
<i>Pherusa plumosa</i>					1				1
<i>Platynereis bicanaliculata</i>					2				2
Polychaeta					1				1
Polynoidae			3		2	1			6
<i>Polyorchis penicillatus</i>	36	14		11	17	31	15		124
<i>Pugettia gracilis</i>	1	5	3	19	1		1		30
Rhynchocoela									0
Sabellidae					2				2
<i>Schizobranchia insignis</i>					30				30
<i>Sclerocrangon boreas</i>	16	2	13	10	12	7			60
<i>Spirontocaris ochotensis</i>	30	3	9	7	66	8			123
<i>Spirontocaris prionata</i>		2			4				6
<i>Suberites</i> sp.	3	3	4	2	3				15
<i>Telmessus cheiragonus</i>	7	4		3	9	7			30
Terebellidae					1				1
<b>Grand Total</b>	<b>4,603</b>	<b>1,077</b>	<b>3,033</b>	<b>6,918</b>	<b>6,368</b>	<b>1,446</b>	<b>529</b>	<b>1,587</b>	<b>25,561</b>
<b>Number of Sets</b>	<b>12</b>	<b>12</b>	<b>13</b>	<b>10</b>	<b>11</b>	<b>9</b>	<b>5</b>	<b>1</b>	<b>73</b>
<b>Grand CPUE</b>	<b>383.6</b>	<b>89.8</b>	<b>233.3</b>	<b>691.8</b>	<b>578.9</b>	<b>160.7</b>	<b>105.8</b>	<b>1587.0</b>	<b>350.2</b>

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Report J-4 Table 14

## Invertebrate Catch and CPUE over Time Sampled in Trawl Sets (2005, 2006, and 2007)

Taxon	May 2005	Jun 2005	Jul 2005	Aug 2005	Apr 2006	May 2006	Sep 2006	Sep 2007	Oct 2007	Grand Total	Grand CPUE
<i>Acanthodoris pilosa</i>	3	2		66						71	1.01
<i>Acanthomysis pseudomacropsis</i>		5		221						226	3.23
<i>Alcyonidium</i> sp.			2					71		73	1.04
<i>Anthomedusae</i>	1									1	0.01
<i>Argis dentata</i>		1								1	0.01
<i>Asciacea</i>	1	1								2	0.03
<i>Asteroidea</i>		14		8			8			30	0.43
<i>Balanus</i> sp.	79	917		342						1338	19.11
Bryozoa				1				18		19	0.27
<i>Cancer magister</i>	20	11		1			1		1	34	0.49
<i>Cancer oregonensis</i>		1								1	0.01
<i>Cancer</i> sp.					2					2	0.03
<i>Chionoecetes bairdi</i>	2	4					15	53	5	79	1.13
<i>Crangon alaskensis</i>	49	400		437	1,802	261	778	1,430	1,468	6625	94.64
<i>Crangon franciscorum</i>								128	73	201	2.87
<i>Crangon</i> sp.	35	46	77				5	1,529		1692	24.17
<i>Cucumaria japonica</i>				1						1	0.01
<i>Elassochirus tenuimanus</i>	2	1	2	1			12	12	1	31	0.44
<i>Erimacrus isenbecki</i>										0	0.00
<i>Eteone</i> sp.	1									1	0.01
<i>Eualus fabricii</i>		1					2			3	0.04
<i>Exgone</i> sp.		1								1	0.01
<i>Flabellina salmonacea</i>	3									3	0.04
<i>Flustra</i> sp.		3		1						4	0.06
<i>Flustrella</i> sp.	1	8		4						13	0.19
<i>Gnorimosphaeroma oregonense</i>		1								1	0.01
<i>Harmothoe</i> sp.				3						3	0.04
<i>Heptacarpus breviostris</i>	30	1,019	5	288	24		35	4	7	1412	20.17
<i>Heptacarpus camtschaticus</i>	28	3		59						90	1.29
<i>Heptacarpus sitchensis</i>							36	4	21	61	0.87
<i>Heptacarpus stimpsoni</i>								21	3	24	0.34
<i>Heptacarpus stylus</i>					7				32	39	0.56
<i>Heptacarpus tenuissimus</i>							26	2		28	0.40
<i>Heptacarpus tridens</i>							71	88	127	286	4.09
<i>Heptacarpus</i> sp.			20		1					21	0.30
<i>Hiatella arctica</i>				1	2					3	0.04
<i>Hyas lyratus</i>	12	24	5	74	7	6		2	1	131	1.87
Hydrozoa		1								1	0.01
<i>Ischnochiton</i> sp.	1									1	0.01
<i>Lacuna crassior</i>				22						22	0.31
<i>Lacuna vincta</i>	1			6	7	6	34	4		58	0.83
<i>Lacuna</i> sp.		8						4		12	0.17
<i>Lebbeus groenlandicus</i>		2		9			3	3	3	20	0.29
<i>Leptasterias</i> sp.	1		2					1		4	0.06
<i>Macoma</i> sp.	1			2						3	0.04
<i>Melita</i> sp.				1						1	0.01
<i>Mysidacea</i>	1							35		36	0.51
<i>Neomysis czerniavsky</i>	37	8								45	0.64
<i>Neomysis rayi</i>	5	6						26		37	0.53
<i>Neomysis</i> sp.	1	1			606	13	39	85	264	1009	14.41
<i>Nephtys ciliata</i>				1						1	0.01
<i>Neptunea lyrata</i>		23	1	1		1	20			46	0.66
<i>Neptunea</i> sp.								1		1	0.01
<i>Nucella lamellosa</i>		3			2		2		1	8	0.11
<i>Nucella</i> sp.		28								28	0.40
<i>Nudibranchia</i>		4		1			3			8	0.11
<i>Oregonia gracilis</i>	13	8	1	17	6		18	20	22	105	1.50
<i>Pagurus armatus</i>			2				12	14	2	30	0.43
<i>Pagurus beringanus</i>	11	8	5	2	1		22	7	6	62	0.89
<i>Pagurus capillatus</i>				1						1	0.01
<i>Pagurus hirsutiusculus</i>	2									2	0.03
<i>Pagurus ochotensis</i>	2			1					1	4	0.06
<i>Pagurus</i> sp.	1	97	4	36	8	23	32	25	7	233	3.33
<i>Pandalus danae</i>		6	22	748	20	1	117	174	467	1555	22.21
<i>Pandalus goniurus</i>	64	1,201		377	771	1	224	2,717	3,880	9235	131.93
<i>Pandalus</i> sp.		1						2		3	0.04
<i>Pandalus tridens</i>		2			1					3	0.04
<i>Pherusa plumosa</i>				1						1	0.01
<i>Platynereis bicanaliculata</i>				2						2	0.03
Polychaeta				1						1	0.01
Polynoidae	2	3					1			6	0.09
<i>Polyorchis penicillatus</i>		32		46				46		124	1.77
<i>Pugettia gracilis</i>	2		27						1	30	0.43
<i>Rhynchocoela</i>										0	0.00
Sabellidae				2						2	0.03
<i>Schizobranchia insignis</i>	30									30	0.43
<i>Sclerocrangon boreas</i>	4	12	1	3	5	1	2	22	10	60	0.86
<i>Spirontocaris ochotensis</i>	8	8	1	37			7	35	27	123	1.76
<i>Spirontocaris prionata</i>			1	3			2			6	0.09
<i>Suberites</i> sp.	3		3	1				8		15	0.21
<i>Telmessus cheiragonus</i>	2	12		6				6	4	30	0.43
Terebellidae	1									1	0.01
<b>Grand Total</b>	<b>460</b>	<b>3,937</b>	<b>181</b>	<b>2,835</b>	<b>3,272</b>	<b>313</b>	<b>1,527</b>	<b>6,597</b>	<b>6,434</b>	<b>25,556</b>	<b>365.09</b>
<b>Number of sets</b>	<b>8</b>	<b>17</b>	<b>6</b>	<b>7</b>	<b>7</b>	<b>3</b>	<b>8</b>	<b>8</b>	<b>6</b>	<b>70</b>	