

TABLES

Table 1 – Plants and Animals in the –5 to –20 feet MLLW Depth Range; July 2006

Species	Depth (below MLLW)	Abundance*	Substrate
Algae			
<i>Agarum cribrosum</i>	7, 10, 12	C-A	Rocky Reef, Sandy Area
<i>Alaria fistulosa</i>	7, 10, 14	C-A	Rocky Reef
<i>Alaria taeniata</i>	7	C-A	Sandy Area
<i>Cymathere triplicata</i>	7	C	Sandy Area
Encrusting coralline algae	7, 10	C	Rocky Reef
<i>Constantinea</i> sp.	12	C	Sandy Area
<i>Desmarestia aculeata</i>	10	U	Rocky Reef
<i>Desmarestia viridis</i>	12	U	Rocky Reef
<i>Saccharina subsimplex</i>	7, 10, 12	C	Rocky Reef, Sandy Area
<i>Saccharina latissima</i>	7, 10, 12	C-A	Rocky Reef, Sandy Area
<i>Thalasiophyllum clathrus</i>	10	C	Rocky Reef
<i>Ulva</i> sp.	10	C	Rocky Reef
Cnidarians			
<i>Anthopleura elegantissima</i>	12	U	Sandy Area
<i>Metridium senile</i>	7, 10	C	Rocky Reef
<i>Urticina crassicornis</i>	7, 10	A	Rocky Reef
Polychaete Worms			
<i>Crucigera zygophera</i>	7, 10	C-A	Rocky Reef
Molluscs			
<i>Hermisenda crassicornis</i>	10	U	Rocky Reef
<i>Margarites pupillus</i>	7, 10	U	Rocky Reef
<i>Nautica clausa</i>	14	C	Sandy Area
<i>Tonicella lineata</i>	10	U	Rocky Reef
Crustaceans			
<i>Elassochirus gilli</i>	8	U	Sandy Area
<i>Elassochirus tenuimanus</i>	7	C-A	Sandy Area
<i>Pagurus beringanus</i>	7	C	Rocky Reef
<i>Pagurus ochotensis</i>	7	U	Rocky Reef
<i>Sclerocrangon</i> sp.	10	U	Rocky Reef
<i>Telmessus cheiragonus</i>	10	U	Rocky Reef
Echinoderms			
<i>Echinarachnius parma</i>	14	C	Sandy Area
<i>Evasterias troschelli</i>	7	U	Rocky Reef
<i>Henricia sanguinolenta</i>	10	U	Rocky Reef
<i>Pycnopodia helianthoides</i>	7, 12	U	Rocky Reef, Sandy Area
<i>Strongylocentrotus droebachiensis</i>	7	U	Rocky Reef
Fish			
Juvenile flatfish	8	C	Sandy Area
<i>Myoxocephalus</i> sp.	7	U	Rocky Reef
<i>Solea lascaris</i>	14	U	Sandy Area

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Notes:

* U (Uncommon), C (Common), C-A (Common to Abundant), to A (Abundant).

Substrate is also subjectively assigned to either Rocky Reef or Sandy.

Table 2 - Total Catch by Beach Seine in 2005 and 2006

Species	FP 1			FP 2			FP 3			FP 4			Grand Total			
	May-06	Jul-06	Sep-05	May-06	Jul-06	Sep-05	May-06	Jul-06	Sep-05	May-06	Jul-06	Sep-05				
Chinook (<i>Oncorhynchus tshawytscha</i>)									3				0	0	3	3
Chum (<i>O. keta</i>)				1			1			2			4	0	0	4
Coho (<i>O. kisutch</i>)		9						5			3		0	17	0	17
Pink (<i>O. gorbuscha</i>)	107	37	3	4	9		126	2		209	67		446	115	3	564
Sockeye (<i>O. nerka</i>)		5			2			10			38		0	55	0	55
Crescent gunnel (<i>Pholis laeta</i>)		6	1				1	2	1		3	2	1	11	4	16
Great sculpin (<i>Myoxocephalus polyacanthocephalus</i>)	1	12	6		7	2		2	1		4	1	1	25	10	36
Kelp greenling (<i>Hexagrammos decagrammus</i>)	5	7	28	49	8	11	72	7	2	58	3	14	184	25	55	264
Pacific cod (<i>Gadus macrocephalus</i>)	1	743	122		9526	29		3367	287		2820	119	1	16456	557	17014
Pacific hake (<i>Merluccius productus</i>)			1										0	0	1	1
Pacific sand lance (<i>Ammodytes hexapterus</i>)	486	14	1		31	536	5		3	344	1	2	835	46	542	1423
Red irish lord (<i>Hemilepidotus hemilepidotus</i>)	1	2	2		1					1	2		2	5	2	9
Rock sole (<i>Pleuronectes bilineatus</i>)	1	3	1				10				2	1	11	5	2	18
Pacific sandfish (<i>Trichodon trichodon</i>)	1	2	2		2	1		3	1		8		1	15	4	20
Sculpin (unid'd)										1			1	0	0	1
Silverspotted sculpin (<i>Blepsias cirrhosis</i>)		2			2			1			5	2	0	10	2	12
Threespine stickleback (<i>Gasterosteus aculeatus</i>)								1			2		0	3	0	3
Walleye pollock (<i>Theragra chalcogramma</i>)				1	4	3		2	1				1	6	4	11
Whitespotted greenling (<i>Hexagrammos stelleri</i>)			3			2							0	0	5	5
Total Juvenile Salmonids	107	51	3	5	11	0	127	17	3	211	108	0	450	187	6	643
Grand Total	603	842	170	55	9,592	584	215	3,402	299	615	2,958	141	1,488	16,794	1,194	20,119
# Reps	2	2	1	2	2	2	2	2	2	2	2	2	8	8	7	23

Table 3 - Total CPUE by Beach Seine in 2005 and 2006

Species	FP 1			FP 2			FP 3			FP 4			Monthly Grand Totals			Total CPUE
	May-06	Jul-06	Sep-05	May-06	Jul-06	Sep-05	May-06	Jul-06	Sep-05	May-06	Jul-06	Sep-05	May	Jul	Sep	
Chinook (<i>Oncorhynchus tshawytscha</i>)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.4	0.4
Chum (<i>O. keta</i>)	0.0	0.0	0.0	0.5	0.0	0.0	0.5	0.0	0.0	1.0	0.0	0.0	0.5	0.0	0.0	0.5
Coho (<i>O. kisutch</i>)	0.0	4.5	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	1.5	0.0	0.0	2.1	0.0	2.1
Pink (<i>O. gorbuscha</i>)	53.5	18.5	3.0	2.0	4.5	0.0	63.0	1.0	0.0	104.5	33.5	0.0	55.8	14.4	0.4	70.9
Sockeye (<i>O. nerka</i>)	0.0	2.5	0.0	0.0	1.0	0.0	0.0	5.0	0.0	0.0	19.0	0.0	0.0	6.9	0.0	6.9
Crescent gunnel (<i>Pholis laeta</i>)	0.0	3.0	1.0	0.0	0.0	0.0	0.5	1.0	0.5	0.0	1.5	1.0	0.1	1.4	0.6	2.1
Great sculpin (<i>Myoxocephalus polyacanthocephalus</i>)	0.5	6.0	6.0	0.0	3.5	1.0	0.0	1.0	0.5	0.0	2.0	0.5	0.1	3.1	1.4	5.3
Kelp greenling (<i>Hexagrammos decagrammus</i>)	2.5	3.5	28.0	24.5	4.0	5.5	36.0	3.5	1.0	29.0	1.5	7.0	23.0	3.1	7.9	36.5
Pacific cod (<i>Gadus macrocephalus</i>)	0.5	371.5	122.0	0.0	4763.0	14.5	0.0	1683.5	143.5	0.0	1410.0	59.5	0.1	2057.0	79.6	2142.0
Pacific hake (<i>Merluccius productus</i>)	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
Pacific sand lance (<i>Ammodytes hexapterus</i>)	243.0	7.0	1.0	0.0	15.5	268.0	2.5	0.0	1.5	172.0	0.5	1.0	104.4	5.8	77.4	178.0
Red irish lord (<i>Hemilepidotus hemilepidotus</i>)	0.5	1.0	2.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	1.0	0.0	0.3	0.6	0.3	1.4
Rock sole (<i>Pleuronectes bilineatus</i>)	0.5	1.5	1.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	1.0	0.5	1.4	0.6	0.3	2.4
Pacific sandfish (<i>Trichodon trichodon</i>)	0.5	1.0	2.0	0.0	1.0	0.5	0.0	1.5	0.5	0.0	4.0	0.0	0.1	1.9	0.6	2.8
Sculpin (unid'd)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.1	0.0	0.0	0.1
Silverspotted sculpin (<i>Blepsias cirrhosis</i>)	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.5	0.0	0.0	2.5	1.0	0.0	1.3	0.3	1.5
Threespine stickleback (<i>Gasterosteus aculeatus</i>)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	1.0	0.0	0.0	0.4	0.0	0.4
Walleye pollock (<i>Theragra chalcogramma</i>)	0.0	0.0	0.0	0.5	2.0	1.5	0.0	1.0	0.5	0.0	0.0	0.0	0.1	0.8	0.6	1.4
Whitespotted greenling (<i>Hexagrammos stelleri</i>)	0.0	0.0	3.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.0
Total Juvenile Salmonids	53.5	25.5	3.0	2.5	5.5	0.0	63.5	8.5	1.5	105.5	54.0	0.0	56.3	23.4	0.9	28.0
Total CPUE	301.5	421.0	170.0	27.5	4796.0	292.0	107.5	1701.0	149.5	307.5	1479.0	70.5	186.0	2099.3	170.6	874.7
# Reps	2	2	1	2	2	2	2	2	2	2	2	2	8	8	7	23

Table 4 - Temperature and Salinity Data Collected in the Study Area

Temperature (Celsius)				
Location	Station	July 2006		
		7/19	7/20	7/21
Marine Nearshore FPBS	1	8.9	-	9.6
	2	8.9	-	9.8
	3	8.7	-	9.9
	4	8.8	-	10.2
Stream South Creek	1	-	-	-
	2	-	6.3	-
Roundtop Creek	1	-	-	-
	2	-	-	-
	3	-	5.3	-
	4	-	6.6	-
	5	-	6.4	-
	6	-	6.3	-
Per Creek	1	-	6.7	-
	2	-	5.8	-
PP Creek	1	-	-	-
	2	-	6.2	-

Salinity (parts per thousand)				
Location	Station	July 2006		
		7/19	7/20	7/21
Marine Nearshore FPBS	1	29.6	-	30.0
	2	28.8	-	28.6
	3	26.3	-	28.9
	4	28.1	-	28.0
Stream South Creek	1	-	-	-
	2	-	0.1	-
Roundtop Creek	1	-	-	-
	2	-	-	-
	3	-	-	-
	4	-	0.0	-
	5	-	0.0	-
	6	-	0.0	-
Per Creek	1	-	0.0	-
	2	-	0.0	-
PP Creek	1	-	-	-
	2	-	-	-

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Note:

- data not collected

Table 5 - Total Catch by Minnow Trap Sampling in Study Area Streams

Stream/Station	Coho		Dolly Varden		Grand Total
	May	July	May	July	
Roundtop Creek	n=9	n=4	n=9	n=4	
1	0	-	0	-	0
2	1	-	7	-	8
3	4	0	2	0	6
4	0	1	0	0	1
5	0	0	0	1	1
6	0	0	0	1	1
South Creek	n=4	n=1	n=4	n=1	
1	5	-	1	-	6
2	18	3	0	0	21
Per Creek	n=4	n=2	n=4	n=2	
1	0	2	2	1	5
2	0	0	0	4	4
Peter Pan Creek	n=3	n=1	n=3	n=1	
1	9	0	0	0	9
2	0	-	0	-	0
Grand Total	37	6	12	7	62

- Not sampled

Table 6 - CPUE by Minnow Trap Sampling in Study Area Streams

Stream/Station	Coho		Dolly Varden		Mean CPUE
	May	July	May	July	
Roundtop Creek	0.56	0.25	1.0	0.5	1.3
South Creek	5.8	3.0	0.25	0	6.8
Per Creek	0	1.0	0.5	2.5	1.5
Peter Pan Creek	3.0	0	0	0	2.3
Mean CPUE	1.85	0.75	0.6	0.88	2.2

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