

The following supplement accompanies the article

## Interannual variability in the relationship between *in situ* primary productivity and somatic crustacean productivity in a temperate fjord

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Table S1. Calculations of trophic transfer efficiency (TTE) using primary and crustacean production rates measured on the same day, time averaged over 2 sampling dates (~4 weeks), and time averaged over 3 sampling dates (~6 weeks) for 2010 in Saanich Inlet, BC. Note: artefact values of TTE >35% were excluded from final TTE calculations.

2010											
Daily (not time-averaged)				Time-averaged over 2 sampling dates				Time-averaged over 3 sampling dates			
Primary Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	Crustacean Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	TTE (%)	TTE (%) Artefact Samples Removed	Primary Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	Crustacean Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	TTE (%)	TTE (%) Artefact Samples Removed	Primary Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	Crustacean Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	TTE (%)	TTE (%) Artefact Samples Removed
0.20	0.16	79		0.18	0.10	53		0.30	0.19	64	
0.17	0.04	24	24	0.35	0.21	60		1.01	0.17	17	17
0.53	0.38	72		1.43	0.24	17	17	1.96	0.22	11	11
2.34	0.10	4	4	2.67	0.13	5	5	2.07	0.27	13	13
3.00	0.17	6	6	1.94	0.36	19	19	4.35	0.45	10	10
0.88	0.55	63		5.02	0.59	12	12	3.65	0.40	11	11
9.17	0.63	7	7	5.04	0.32	6	6	3.52	0.22	6	6
0.82	0.01	1	1	0.70	0.02	3	3	1.03	0.20	19	19
0.48	0.03	6	6	1.09	0.29	27	27	1.20	0.24	20	20
1.71	0.56	33	33	1.56	0.35	22	22	1.21	0.39	32	32
1.41	0.14	10	10	0.96	0.31	32	32	0.86	0.27	31	31
0.50	0.47	93		0.59	0.33	56		1.84	0.24	13	13
0.68	0.19	28	28	2.51	0.13	5	5	2.03	0.21	10	10
4.35	0.08	2	2	2.71	0.22	8	8				
1.07	0.36	33	33								
<b>Average</b>		<b>31</b>	<b>14</b>	<b>Average</b>		<b>23</b>	<b>14</b>	<b>Average</b>		<b>20</b>	<b>16</b>

Table S2. Calculations of trophic transfer efficiency (TTE) using primary and crustacean production rates measured on the same day, time averaged over 2 sampling dates (~4 weeks), and time averaged over 3 sampling dates (~6 weeks) for 2011 in Saanich Inlet, BC. Note: artefact values of TTE >35% were excluded from final TTE calculations.

2011												
Daily (not time-averaged)				Time-averaged over 2 sampling dates				Time-averaged over 3 sampling dates				
Primary Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	Crustacean Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	TTE (%)	TTE (%)	Primary Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	Crustacean Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	TTE (%)	TTE (%)	Primary Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	Crustacean Productivity (g C m <sup>-2</sup> d <sup>-1</sup> )	TTE (%)	TTE (%)	
		Artefact Samples Removed				Artefact Samples Removed				Artefact Samples Removed		
1.37	0.09	7	7	2.44	0.17	7	7	1.08	0.14	13	13	
1.07	0.08	8	8	1.85	0.34	19	19	0.72	0.33	46		
0.78	0.26	34	34	1.08	0.91	84		0.53	0.43	81		
0.30	0.65	216		0.81	1.03	128		1.94	0.36	19	19	
0.51	0.38	76		5.52	0.43	8	8	3.00	0.18	6	6	
5.01	0.05	1	1	8.51	0.15	2	2	3.51	0.11	3	3	
3.50	0.10	3	3	5.53	0.28	5	5	3.21	0.14	4	4	
2.04	0.17	9	9	6.12	0.31	5	5	2.23	0.16	7	7	
4.09	0.14	3	3	4.65	0.31	7	7	2.30	0.17	8	8	
0.56	0.17	30	30	2.82	0.38	13	13					
2.26	0.21	9	9									
<b>Average</b>		<b>36</b>	<b>11</b>		<b>Average</b>	<b>28</b>	<b>8</b>		<b>Average</b>	<b>21</b>	<b>9</b>	