

## Ecosphere

A network model for primary production highlights linkages between salmonid populations and autochthonous resources

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### Appendix S1

Table S1. Site attributes used to model gross primary production (GPP). Data were collected by the Columbia Habitat Monitoring Program (CHaMP), and sites are referenced by the monitoring program ID (Site). Superscripts following stream names designates longitudinal positioning of sites in the same stream, with increasingly large numbers representing sites further from the confluence. Water temperature represents mean July temperature. No site-level data was available for the survey site in Big Boulder Creek.

Stream	Site	Width designation	Bankfull width	Water temperature	Solar access	Conductivity	Alkalinity	Network conductivity	Network temperature	LN Network solar input	Mean daily GPP
Big Boulder Cr.	*	tributary	*	*	*	*	*	168.5	19.2	8.314	0.017
Bridge Cr.	CBW05583-223986	tributary	4.0	15.7	49.2	137	72	83.9	14.4	8.161	0.370
Camp Cr. <sup>1</sup>	CBW05583-330226	tributary	7.6	18.9	73.2	214	164	124.8	17.5	8.218	0.622
Camp Cr. <sup>2</sup>	CBW05583-030730	tributary	5.8	17.5	66.1	195	170	110.3	16.2	7.783	0.179
Clear Cr. <sup>1</sup>	CBW05583-477938	tributary	4.5	13.9	55.6	74	44	76.1	15.3	7.763	0.073
Clear Cr. <sup>2</sup>	CBW05583-299658	tributary	4.6	13.9	60.3	66	45	65.5	15.3	8.045	0.012
Dry Fork Clear Cr.	CBW05583-051954	tributary	3.5	11.9	55.6	95	100	72.6	15.7	7.638	0.088
Granite Boulder Cr.	CBW05583-189938	tributary	7.7	13.8	50.6	85	60	163.7	13.5	7.687	0.016
MF John Day River <sup>1</sup>	CBW05583-415218	mainstem	16.8	18.8	87.6	123	73	127.6	19.2	8.368	3.639
MF John Day River <sup>2</sup>	CBW05583-275954	mainstem	15.2	19.7	81.6	78	66	125.5	19.3	8.135	3.181
MF John Day River <sup>3</sup>	CBW05583-290034	mainstem	13.7	19.5	74.9	111	64	103.7	18.0	8.031	2.017
MF John Day River <sup>4</sup>	CBW05583-449266	mainstem	9.5	18.9	99.0	485	64	102.6	16.5	8.618	2.850
MF John Day River <sup>5</sup>	CBW05583-207602	mainstem	5.9	18.3	98.0	49	65	96.4	18.6	8.561	3.302
MF John Day River <sup>6</sup>	CBW05583-282354	mainstem	6.9	16.8	62.2	105	90	100.8	17.1	8.056	0.975
Murderers Cr. <sup>1</sup>	JDW00001- MRL1	mainstem	8.4	21.5	72.1	200	130	178.6	18.6	7.993	1.191
Murderers Cr. <sup>2</sup>	CBW05583-231026	mainstem	5.2	19.9	76.4	165	144	179.4	19.4	8.605	1.385
Murderers Cr. <sup>3</sup>	JDW00001- MRM2	mainstem	6.2	19.5	77.6	190	120	182.4	19.1	8.605	1.259
Murderers Cr. <sup>4</sup>	CBW05583-011122	mainstem	6.2	16.1	78.8	340	184	201.6	15.6	7.843	0.384
Murderers Cr. <sup>5</sup>	CBW05583-357746	tributary	5.5	15.8	53.5	402	220	200.0	15.6	8.156	0.609
Murderers Cr. <sup>6</sup>	CBW05583-363890	tributary	3.3	13.6	61.6	490	280	197.5	12.9	8.324	0.456
SF Murderers Cr.	CBW05583-292210	tributary	2.7	14.9	63.6	454	270	161.4	14.8	8.47	0.424
Tex Cr.	JDW00001-000066	tributary	4.2	13.1	65.1	290	332	200.2	12.3	8.136	0.030
Vinegar Cr. <sup>1</sup>	JDW00001-000536	tributary	5.0	16.6	68.2	138	84	141.6	17.2	8.101	0.007
Vinegar Cr. <sup>2</sup>	CBW05583-381682	tributary	6.4	15.6	48.1	119	80	142.9	16.2	7.447	0.079