TABLE S1 | Water quality variables of each sampling site with three replicates each site. SFM: San Francisco de Mostazal, IM: Isla de Maipo, PEL: Pelvin, MEL: Melipilla. The parameters shown correspond to pH, electrical conductivity (EC), dissolved oxygen (DO), nitrite (NO_2^-), total solids (TS), dissolved solids (DS), biochemical oxygen demand (DBO_5), phosphate (P), sodium (Na), potassium (K), calcium (Ca), magnesium (Mg), ammonium (NH_4), nitrate (NO_3), suspended solids (SS), bicarbonate (HCO_3), carbonate (CO_3), chloride (Cl), and sulfate (SO_4).

Site	K	Ca	Mg	NH4	NO3	SS	HCO3	CO3	Cl	SO4
SFM	0.905172	45.60811	0.989193	0.092843	1.300624	185	68.32	0.13013	10.13	36.84
SFM	0.933908	32.43243	1.193763	0.086377	0.856408	156	90.28	0.47	11.64	18.79
SFM	0.991379	32.63514	0.992435	0.088078	0.884237	144	101.26	0.13458	10.55	33.24
IM	2.270115	104.7297	1.660337	19.2817	2.595126	300	240.95	1.06419	10.13	254.83
IM	3.218391	106.0135	1.659719	9.019113	2.698259	151	109.8	0.84	11.64	306.95
IM	2.844828	108.9865	1.658793	3.486559	2.284219	100	73.81	0.46368	10.55	215.54
PEL	3.060345	122.4324	1.0088	2.919408	1.395126	35	209.23	0.27878	61.47548	259.28
PEL	1.982759	115.9459	1.00772	15.87029	1.598259	237	555.71	0.26109	65.34024	231.5
PEL	1.91092	117.0946	1.007874	11.67054	1.284219	498	212.89	0.21316	61.50243	719.57
MEL	3.304598	93.10811	0.985024	16.97198	4.595126	195	184.83	1.06419	161.14	1.9
MEL	3.951149	100	0.970202	19.96342	3.798259	67	394.67	1.84	105.03	1.9
MEL	4.66954	84.66216	1.00633	7.168217	5.284219	116	365.39	1.46368	191.61	1.9
Site	K	Ca	Mg	NH4	NO3	SS	HCO3	CO3	Cl	SO4
SFM	0.905172	45.60811	0.989193	0.092843	1.300624	185	68.32	0.13013	10.13	36.84
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PEL	1.91092	117.0946	1.007874	11.67054	1.284219	498	212.89	0.21316	61.50243	719.57
MEL	3.304598	93.10811	0.985024	16.97198	4.595126	195	184.83	1.06419	161.14	1.9
MEL	3.951149	100	0.970202	19.96342	3.798259	67	394.67	1.84	105.03	1.9
MEL	4.66954	84.66216	1.00633	7.168217	5.284219	116	365.39	1.46368	191.61	1.9

TABLE S2 | Macroinvertebrates counts classified at least at family level for each sampling site and its replicates. SFM: San Francisco de Mostazal, IM: Isla de Maipo, PEL: Pelvin, MEL: Melipilla.

						SFM				
PHYLUM	**CLASS**	**SUBCLASS**	**ORDER**	**FAMILY**	**GENERA**	**SFM-1**	**SFM-2**	**SFM-3**	**SFM-4**	**SFM-5**
Nematoda	-	-	-	-	-	82	39	47	45	8
Platyhelminthes	Turbellaria	-	Tricladida	Dugesiidae	*Dugesia*	0	0	0	0	0
Annelida	Hirudinea	Euhirudinea	Rhynchobdellida	Glossiphonidae	*Helobdella*	0	0	0	0	0
	Oligochaeta	-	-	-	-	0	0	11	7	0
Mollusca	Gastropoda	Prosobranquia	Mesogastropoda	Hydrobiidae	*Littoridina*	0	0	0	0	0
		Pulmonata	Bassomatophora	Chilinidae	*Chilina*	0	0	0	0	0
				Physidae	*Physa*	7	24	33	46	56
				Planorbidae	*Biomphalaria*	0	0	0	0	0
		Bivalvia	Veneroida	Sphaeriidae	*Pisidium*	0	0	0	0	0
Arthropoda	Malacostraca	Eumalacostraca	Decapoda	Aeglidae	*Aegla*	0	0	0	0	0
	Insecta	Pterigota	Ephemeroptera	Baetidae	-	8	4	12	2	3
			Odonata	Aeshnidae	-	0	0	0	0	0
			Coleoptera	Elmidae	-	26	13	0	33	22
			Trichoptera	Hydropsychidae	*Smicridea*	39	28	9	22	34
				Hidroptilidae	-	13	37	0	7	0
			Diptera	Athericidae	-	9	4	0	5	2
				Ephydridae	-	0	0	0	0	0
				Muscidae	-	1	2	0	0	0
				Chironomidae	-	284	157	167	184	153

TABLE S2 | (Continued)

		PEL					IM					MEL				
FAMILY	GENERA	PEL-1	PEL-2	PEL-3	PEL-4	PEL-5	IM-1	IM-2	IM-3	IM-4	IM-5	MEL-1	MEL-2	MEL-3	MEL-4	MEL-5
-	-	0	14	0	9	0	82	79	22	0	25	11	34	26	34	6
Dugesiidae	*Dugesia*	0	0	0	0	0	0	0	0	6	1	0	0	0	0	0
Glossiphonidae	*Helobdella*	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
-	-	0	0	0	0	0	36	22	0	22	19	0	0	0	0	0
Hydrobiidae	*Littoridina*	151	165	170	124	13	142	267	107	98	53	0	0	0	0	0
Chilinidae	*Chilina*	8	15	9	6	4	0	0	0	0	0	0	0	0	0	0
Physidae	*Physa*	0	0	0	0	0	0	8	0	0	0	22	9	16	12	6
Planorbidae	*Biomphalaria*	0	0	0	0	0	0	7	0	3	0	0	0	0	0	0
Sphaeriidae	*Pisidium*	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Aeglidae	*Aegla*	1	5	0	0	0	0	0	0	0	0	0	0	0	0	0
Baetidae	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aeshnidae	-	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Elmidae	-	0	0	2	0	0	4	0	0	0	0	57	11	31	22	36
Hydropsychidae	*Smicridea*	22	12	54	15	13	0	15	12	0	0	0	0	0	0	4
Hidroptilidae	-	71	33	34	14	0	0	0	0	0	0	0	2	0	0	0
Athericidae	-	0	0	0	0	0	0	0	0	0	0	0	3	4	0	0
Ephydridae	-	0	0	0	0	0	0	0	0	0	0	0	0	2	0	3
Muscidae	-	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
Chironomidae	-	52	54	89	45	9	0	16	9	6	2	188	360	230	335	94

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