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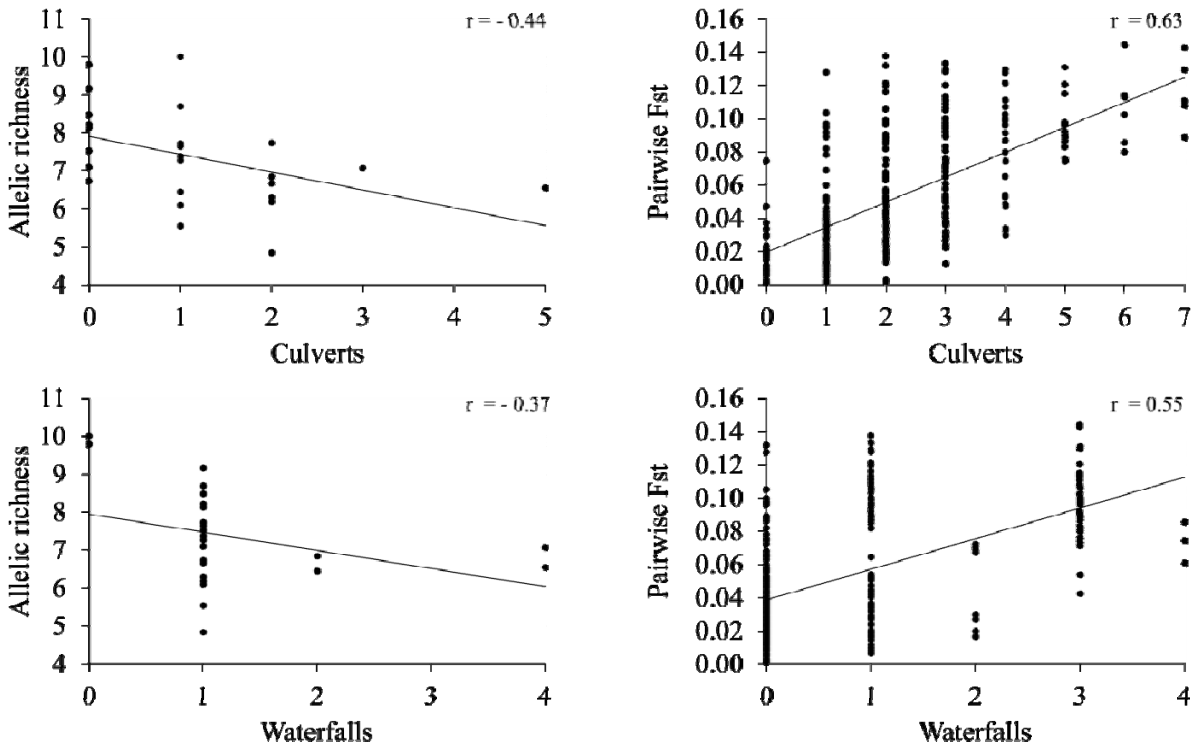
Supplementary Figure S.1. Relationships between the number of culverts or waterfalls and mean allelic richness (left panels) or pairwise F_{ST} estimates (right panels) based on 14 microsatellite loci in Brook Trout from 25 sampling locations within the Saint-Louis River watershed, Quebec.



Supplementary Table S.1. Physical characteristics of the 19 culverts retained for analyses in this study. See Figure 1 for locations of the culverts within the Saint-Louis River watershed.

Culvert	Length (m)	Slope (%)	Drop height (m)	Comment
C1	7.2	1.7		
C2	9.0	1.8		
C3	13.5	2.9		
C4	11.9	1.4		
C5	9.1	5.2	0.15	
C6	30.0	7.0		
C7	18.2	2.1	0.26	
C8	2.0	0.1		Wood culvert
C9	18.2	2.4		
C10	13.2	1.0	0.48	
C11	18.3	0.9	0.34	
C12	10.0	1.1		
C13	18.5	2.2		
C14	24.6	3.7	1.17	
C15	14.6	1.6		
C16	2.0	0.1		Wood culvert
C17	18.2	0.1		
C18	13.9	6.6	0.56	Obstructed
C19	18.4	3.9		

Supplementary Table S.2. Number of alleles (A), allelic richness (A_R), observed heterozygosity (H_O), expected heterozygosity (H_E), and inbreeding coefficient (F_{IS}) for each locus in Brook Trout collected at sampling sites within the Saint-Louis River watershed. See Figure 1 for site locations. Significant values of F_{IS} are given in bold italics.

Site	Variable	*SfoC113*	*SfoB52*	*SfoC88*	*SfoC28*	*SfoD100*	*SfoD75*	*Sfo266*	*SfoC86*	*Sfo23*	*SfoD91*	*Sfo308*	*Sfo269*	*SfoD105*	*Sfo226*	All loci
MS1	A	5.00	4.00	6.00	7.00	8.00	6.00	22.00	2.00	15.00	13.00	10.00	11.00	21.00	9.00	139.00
	A_R	4.90	4.00	5.95	6.95	7.95	6.00	21.54	2.00	14.84	12.70	9.97	10.70	20.59	8.85	9.78
	F_{IS}	0.00	-0.03	0.18	0.15	0.09	0.03	-0.09	-0.12	0.07	-0.05	-0.11	0.06	-0.03	0.02	0.01
	H_E	0.58	0.51	0.58	0.53	0.74	0.64	0.87	0.40	0.86	0.76	0.78	0.77	0.92	0.74	0.69
	H_O	0.58	0.53	0.48	0.45	0.68	0.63	0.95	0.45	0.80	0.80	0.87	0.73	0.95	0.73	0.69
T1	A	6.00	4.00	5.00	9.00	7.00	8.00	25.00	3.00	10.00	11.00	12.00	10.00	20.00	12.00	142.00
	A_R	5.90	4.00	4.95	8.85	6.90	7.95	24.39	2.95	10.00	10.85	11.80	9.89	19.72	11.69	9.99
	F_{IS}	0.25	-0.04	-0.06	0.22	0.10	-0.05	-0.03	-0.16	0.03	0.14	-0.08	0.03	0.02	0.07	0.03
	H_E	0.59	0.60	0.50	0.51	0.64	0.76	0.90	0.48	0.85	0.81	0.81	0.74	0.91	0.67	0.70
	H_O	0.45	0.63	0.53	0.40	0.58	0.80	0.93	0.55	0.83	0.70	0.88	0.73	0.90	0.63	0.68
MS2	A	4.00	6.00	5.00	7.00	6.00	5.00	21.00	2.00	13.00	8.00	9.00	8.00	16.00	6.00	116.00
	A_R	4.00	5.95	5.00	6.95	5.95	5.00	20.59	2.00	12.79	7.95	9.00	7.95	15.75	5.95	8.20
	F_{IS}	0.07	0.13	***-0.15***	0.07	0.00	-0.04	0.00	-0.05	0.23	0.04	0.06	0.09	0.03	-0.07	0.04
	H_E	0.48	0.46	0.37	0.43	0.75	0.60	0.83	0.31	0.77	0.68	0.80	0.69	0.90	0.68	0.62
	H_O	0.45	0.40	0.43	0.40	0.75	0.63	0.83	0.33	0.60	0.65	0.75	0.63	0.88	0.73	0.60
T2	A	5.00	6.00	5.00	6.00	6.00	5.00	19.00	2.00	16.00	13.00	10.00	9.00	15.00	6.00	123.00
	A_R	4.90	5.95	4.90	5.95	5.95	4.95	18.80	2.00	15.75	12.74	9.85	8.90	14.90	5.95	8.68
	F_{IS}	-0.18	0.15	-0.09	0.19	-0.06	0.02	0.07	0.11	0.08	0.02	0.13	0.19	-0.06	-0.05	0.04
	H_E	0.57	0.47	0.39	0.49	0.71	0.69	0.91	0.31	0.87	0.81	0.77	0.74	0.90	0.72	0.67
	H_O	0.68	0.40	0.43	0.40	0.75	0.68	0.85	0.28	0.80	0.80	0.68	0.60	0.95	0.75	0.64
T3	A	5.00	5.00	4.00	2.00	6.00	3.00	16.00	2.00	10.00	9.00	7.00	7.00	10.00	5.00	91.00
	A_R	4.90	4.90	4.00	2.00	6.00	3.00	15.74	2.00	9.90	8.80	6.95	7.00	9.95	4.90	6.43
	F_{IS}	-0.12	0.16	0.11	0.04	-0.02	0.00	0.09	0.06	0.11	0.05	-0.01	0.10	-0.10	0.09	0.04
	H_E	0.45	0.38	0.25	0.34	0.64	0.60	0.88	0.24	0.82	0.74	0.64	0.78	0.87	0.58	0.59
	H_O	0.50	0.33	0.23	0.33	0.65	0.60	0.80	0.23	0.73	0.70	0.65	0.70	0.95	0.53	0.56
T4	A	4.00	4.00	5.00	4.00	7.00	4.00	17.00	2.00	10.00	7.00	8.00	9.00	10.00	5.00	96.00

Site	Variable	*SfoC113*	*SfoB52*	*SfoC88*	*SfoC28*	*SfoD100*	*SfoD75*	*Sfo266*	*SfoC86*	*Sfo23*	*SfoD91*	*Sfo308*	*Sfo269*	*SfoD105*	*Sfo226*	All loci
MS1	A	5.00	4.00	6.00	7.00	8.00	6.00	22.00	2.00	15.00	13.00	10.00	11.00	21.00	9.00	139.00
	A_R	4.00	3.97	4.95	4.00	6.97	4.00	16.87	2.00	9.95	7.00	7.97	8.92	9.95	5.00	6.83
	F_{IS}	-0.05	***0.05***	-0.13	-0.05	0.14	-0.16	-0.06	0.27	0.06	-0.16	-0.01	0.06	0.01	0.05	-0.01
	H_E	0.54	0.40	0.30	0.39	0.71	0.64	0.87	0.25	0.84	0.75	0.56	0.76	0.88	0.64	0.61
	H_O	0.56	0.38	0.33	0.41	0.62	0.74	0.92	0.18	0.79	0.87	0.56	0.72	0.87	0.62	0.61
T5	A	3.00	5.00	6.00	4.00	7.00	4.00	14.00	3.00	10.00	8.00	9.00	9.00	12.00	6.00	100.00
	A_R	2.95	5.00	5.95	4.00	6.95	4.00	13.80	3.00	9.85	7.85	8.85	8.90	11.80	5.85	7.05
	F_{IS}	0.33	-0.03	0.28	-0.02	-0.11	-0.06	0.04	0.16	0.11	-0.16	-0.09	0.09	-0.05	0.06	0.02
	H_E	0.37	0.39	0.42	0.44	0.81	0.54	0.89	0.21	0.79	0.65	0.69	0.79	0.83	0.61	0.60
	H_O	0.25	0.40	0.30	0.45	0.90	0.58	0.85	0.18	0.70	0.75	0.75	0.73	0.88	0.58	0.59
T6	A	5.00	3.00	4.00	3.00	4.00	4.00	12.00	3.00	10.00	11.00	7.00	10.00	11.00	5.00	92.00
	A_R	4.95	3.00	3.97	3.00	4.00	3.97	11.92	3.00	9.92	10.85	6.97	9.95	10.95	4.97	6.53
	F_{IS}	0.13	0.00	***-0.07***	***-0.16***	-0.01	0.18	-0.09	0.19	-0.04	-0.05	0.00	-0.05	-0.04	0.01	-0.01
	H_E	0.53	0.59	0.19	0.33	0.69	0.44	0.87	0.19	0.81	0.71	0.69	0.81	0.81	0.57	0.59
	H_O	0.46	0.59	0.21	0.38	0.69	0.36	0.95	0.15	0.85	0.74	0.69	0.85	0.85	0.56	0.60
MS3	A	5.00	6.00	6.00	5.00	6.00	5.00	26.00	3.00	13.00	10.00	11.00	9.00	18.00	6.00	129.00
	A_R	4.97	5.97	5.97	5.00	5.97	5.00	25.77	3.00	12.90	9.92	10.92	8.90	17.82	5.95	9.15
	F_{IS}	0.02	0.31	-0.24	0.09	0.17	0.07	-0.02	0.15	-0.10	0.02	0.09	-0.02	-0.07	0.07	0.03
	H_E	0.53	0.48	0.56	0.45	0.74	0.63	0.91	0.39	0.74	0.73	0.70	0.73	0.91	0.72	0.66
	H_O	0.51	0.33	0.69	0.41	0.62	0.59	0.92	0.33	0.82	0.72	0.64	0.74	0.97	0.67	0.64
T7	A	4.00	6.00	3.00	3.00	5.00	5.00	20.00	5.00	9.00	8.00	10.00	8.00	12.00	5.00	103.00
	A_R	4.00	6.00	3.00	3.00	5.00	5.00	20.00	5.00	9.00	8.00	10.00	8.00	12.00	5.00	7.36
	F_{IS}	0.03	-0.09	-0.06	***-0.01***	-0.02	-0.04	0.02	-0.02	0.08	0.11	0.12	0.13	0.06	-0.08	0.03
	H_E	0.52	0.39	0.30	0.05	0.62	0.66	0.83	0.49	0.83	0.59	0.78	0.66	0.87	0.68	0.59
	H_O	0.50	0.42	0.32	0.05	0.63	0.68	0.82	0.50	0.76	0.53	0.68	0.58	0.82	0.74	0.57
T8	A	5.00	5.00	4.00	5.00	6.00	5.00	17.00	3.00	9.00	10.00	10.00	8.00	15.00	7.00	109.00
	A_R	5.00	4.90	4.00	4.95	6.00	5.00	16.69	3.00	8.95	9.80	9.95	7.90	14.75	6.95	7.70
	F_{IS}	0.13	***-0.20***	0.03	-0.02	-0.10	-0.09	-0.04	0.23	0.03	0.09	0.01	-0.14	0.04	0.10	0.01
	H_E	0.66	0.40	0.36	0.56	0.75	0.65	0.80	0.49	0.75	0.60	0.83	0.53	0.91	0.61	0.64
	H_O	0.58	0.48	0.35	0.58	0.83	0.70	0.83	0.38	0.73	0.55	0.83	0.60	0.88	0.55	0.63
MS4	A	4.00	4.00	6.00	7.00	6.00	5.00	20.00	3.00	10.00	11.00	14.00	9.00	14.00	7.00	120.00
	A_R	3.95	4.00	5.95	6.90	5.95	5.00	19.64	3.00	9.85	10.89	13.70	8.85	13.94	6.90	8.47
	F_{IS}	-0.09	0.11	-0.09	-0.06	-0.02	-0.13	0.03	0.04	-0.13	-0.04	-0.05	0.07	0.17	0.02	-0.01
	H_E	0.48	0.45	0.46	0.36	0.78	0.64	0.82	0.42	0.75	0.63	0.76	0.70	0.90	0.74	0.63

Site	Variable	*SfoC113*	*SfoB52*	*SfoC88*	*SfoC28*	*SfoD100*	*SfoD75*	*Sfo266*	*SfoC86*	*Sfo23*	*SfoD91*	*Sfo308*	*Sfo269*	*SfoD105*	*Sfo226*	All loci
MS1	A	5.00	4.00	6.00	7.00	8.00	6.00	22.00	2.00	15.00	13.00	10.00	11.00	21.00	9.00	139.00
	H_O	0.53	0.40	0.50	0.38	0.80	0.73	0.80	0.40	0.85	0.65	0.80	0.65	0.75	0.73	0.64
T9	A	4.00	3.00	4.00	4.00	6.00	6.00	17.00	2.00	8.00	7.00	10.00	7.00	12.00	4.00	94.00
	A_R	4.00	3.00	4.00	3.95	6.00	5.85	16.70	2.00	7.95	6.95	9.89	6.85	11.90	4.00	6.65
	F_{IS}	-0.07	0.09	0.21	***-0.08***	-0.14	-0.05	-0.03	-0.03	0.05	-0.03	-0.04	0.06	-0.01	-0.10	-0.02
	H_E	0.63	0.49	0.47	0.21	0.79	0.55	0.80	0.41	0.79	0.75	0.72	0.66	0.89	0.73	0.64
	H_O	0.68	0.45	0.38	0.23	0.90	0.58	0.83	0.43	0.75	0.78	0.75	0.63	0.90	0.80	0.65
T10	A	4.00	5.00	6.00	5.00	5.00	5.00	15.00	2.00	12.00	11.00	10.00	5.00	15.00	6.00	106.00
	A_R	4.00	5.00	5.95	4.95	5.00	5.00	14.84	2.00	11.85	10.90	9.89	4.95	14.80	6.00	7.51
	F_{IS}	-0.10	0.04	0.05	0.07	-0.02	-0.01	0.01	0.22	-0.03	0.00	-0.04	0.23	-0.01	-0.03	0.02
	H_E	0.43	0.39	0.63	0.54	0.71	0.55	0.88	0.41	0.83	0.75	0.58	0.49	0.91	0.75	0.63
	H_O	0.48	0.38	0.60	0.50	0.73	0.55	0.88	0.33	0.85	0.75	0.60	0.38	0.93	0.78	0.62
T11	A	4.00	5.00	6.00	6.00	6.00	5.00	19.00	2.00	11.00	11.00	8.00	6.00	14.00	6.00	109.00
	A_R	4.00	5.00	5.95	5.90	6.00	5.00	18.75	2.00	10.89	10.85	7.95	5.95	13.84	5.95	7.72
	F_{IS}	-0.06	0.09	0.12	0.08	-0.01	0.14	0.09	-0.02	0.08	0.02	0.14	-0.05	-0.04	-0.01	0.04
	H_E	0.43	0.52	0.45	0.52	0.72	0.55	0.93	0.37	0.76	0.71	0.67	0.57	0.89	0.74	0.63
	H_O	0.45	0.48	0.40	0.48	0.73	0.48	0.85	0.38	0.70	0.70	0.58	0.60	0.93	0.75	0.61
MS5	A	4.00	5.00	4.00	6.00	6.00	5.00	21.00	2.00	12.00	10.00	10.00	8.00	16.00	6.00	115.00
	A_R	4.00	4.95	3.90	6.00	6.00	5.00	20.59	2.00	11.75	9.89	9.90	7.95	15.75	6.00	8.12
	F_{IS}	0.07	0.29	0.42	0.09	-0.01	0.07	0.00	-0.05	0.13	-0.04	0.09	-0.01	-0.01	-0.04	0.05
	H_E	0.54	0.35	0.30	0.52	0.72	0.67	0.83	0.38	0.75	0.72	0.74	0.75	0.92	0.70	0.63
	H_O	0.50	0.25	0.18	0.48	0.73	0.63	0.83	0.40	0.65	0.75	0.68	0.75	0.93	0.73	0.60
T12	A	5.00	4.00	5.00	5.00	6.00	5.00	17.00	2.00	10.00	8.00	10.00	7.00	11.00	5.00	100.00
	A_R	5.00	3.95	4.95	4.95	5.95	4.95	16.74	2.00	9.94	7.95	9.85	6.95	10.95	5.00	7.08
	F_{IS}	0.09	-0.05	0.13	-0.15	-0.10	0.00	0.05	***-0.13***	0.07	-0.13	0.02	-0.20	0.04	-0.05	-0.02
	H_E	0.63	0.45	0.52	0.44	0.71	0.68	0.79	0.22	0.78	0.69	0.79	0.77	0.88	0.65	0.64
	H_O	0.58	0.48	0.45	0.50	0.78	0.68	0.75	0.25	0.73	0.78	0.78	0.93	0.85	0.68	0.66
T13	A	4.00	3.00	5.00	5.00	6.00	5.00	18.00	2.00	11.00	11.00	11.00	8.00	14.00	5.00	108.00
	A_R	3.95	3.00	4.90	4.95	6.00	4.95	17.64	2.00	10.90	10.90	10.90	7.90	13.85	5.00	7.63
	F_{IS}	-0.11	-0.09	0.01	0.02	0.06	-0.04	0.05	-0.05	0.08	-0.10	0.02	0.05	0.07	-0.04	0.00
	H_E	0.50	0.48	0.43	0.46	0.72	0.58	0.84	0.31	0.87	0.84	0.82	0.69	0.91	0.65	0.65
	H_O	0.55	0.53	0.43	0.45	0.68	0.60	0.80	0.33	0.80	0.93	0.80	0.65	0.85	0.68	0.65
MS6	A	4.00	5.00	4.00	5.00	5.00	6.00	12.00	2.00	10.00	8.00	9.00	8.00	13.00	4.00	95.00

Site	Variable	*SfoC113*	*SfoB52*	*SfoC88*	*SfoC28*	*SfoD100*	*SfoD75*	*Sfo266*	*SfoC86*	*Sfo23*	*SfoD91*	*Sfo308*	*Sfo269*	*SfoD105*	*Sfo226*	All loci
MS1	A	5.00	4.00	6.00	7.00	8.00	6.00	22.00	2.00	15.00	13.00	10.00	11.00	21.00	9.00	139.00
	A_R	3.95	4.95	3.95	4.95	5.00	5.95	11.70	2.00	9.90	7.95	8.90	7.95	12.90	3.95	6.71
	F_{IS}	-0.18	0.01	0.18	0.03	0.01	0.10	0.01	0.17	0.19	-0.01	-0.03	-0.03	-0.02	-0.17	0.01
	H_E	0.55	0.40	0.30	0.39	0.63	0.55	0.61	0.39	0.77	0.72	0.82	0.81	0.90	0.62	0.61
	H_O	0.65	0.40	0.25	0.38	0.63	0.50	0.60	0.33	0.63	0.73	0.85	0.83	0.93	0.73	0.60
T14	A	2.00	3.00	3.00	5.00	5.00	5.00	11.00	2.00	11.00	4.00	7.00	6.00	10.00	4.00	78.00
	A_R	2.00	3.00	2.95	4.95	5.00	4.95	10.84	2.00	10.75	4.00	6.90	6.00	10.00	4.00	5.52
	F_{IS}	0.01	-0.06	***-0.07***	-0.04	-0.02	-0.09	-0.01	0.40	-0.02	-0.09	0.13	0.05	***-0.12***	-0.23	-0.01
	H_E	0.35	0.17	0.16	0.39	0.56	0.64	0.67	0.45	0.71	0.51	0.75	0.76	0.89	0.63	0.55
	H_O	0.35	0.18	0.18	0.40	0.58	0.70	0.68	0.28	0.73	0.55	0.65	0.73	1.00	0.78	0.55
T15	A	5.00	4.00	5.00	5.00	5.00	5.00	8.00	2.00	12.00	5.00	6.00	8.00	16.00	3.00	89.00
	A_R	4.95	3.90	5.00	4.90	4.95	5.00	7.80	2.00	11.80	5.00	6.00	7.94	15.70	3.00	6.28
	F_{IS}	0.02	0.09	-0.20	-0.09	-0.02	-0.05	0.06	***-0.16***	-0.03	0.04	-0.02	0.03	-0.04	-0.25	-0.05
	H_E	0.46	0.25	0.50	0.55	0.61	0.74	0.42	0.26	0.82	0.65	0.74	0.65	0.89	0.60	0.58
	H_O	0.45	0.23	0.60	0.60	0.63	0.78	0.40	0.30	0.85	0.63	0.75	0.63	0.93	0.75	0.61
T16	A	4.00	3.00	4.00	4.00	5.00	5.00	12.00	2.00	9.00	8.00	9.00	7.00	11.00	3.00	86.00
	A_R	3.95	3.00	4.00	3.95	5.00	5.00	11.65	2.00	8.90	7.94	8.95	6.90	10.80	3.00	6.07
	F_{IS}	0.08	0.20	0.30	***-0.12***	0.16	-0.04	-0.04	***-0.24***	0.04	-0.10	0.15	-0.01	0.01	-0.08	0.03
	H_E	0.54	0.47	0.46	0.27	0.51	0.58	0.63	0.40	0.76	0.77	0.79	0.77	0.86	0.58	0.60
	H_O	0.50	0.38	0.33	0.30	0.43	0.60	0.65	0.50	0.73	0.85	0.68	0.78	0.85	0.63	0.58
T17	A	2.00	2.00	3.00	3.00	4.00	4.00	8.00	2.00	7.00	7.00	7.00	5.00	11.00	3.00	68.00
	A_R	2.00	2.00	3.00	2.95	4.00	4.00	7.95	2.00	6.95	6.95	7.00	4.95	10.80	3.00	4.82
	F_{IS}	0.09	-0.13	-0.09	***-0.02***	0.01	-0.10	0.18	-0.14	0.14	-0.05	-0.05	-0.16	-0.11	-0.07	-0.03
	H_E	0.47	0.49	0.55	0.07	0.53	0.48	0.64	0.35	0.75	0.81	0.71	0.71	0.81	0.51	0.56
	H_O	0.43	0.55	0.60	0.08	0.53	0.53	0.53	0.40	0.65	0.85	0.75	0.83	0.90	0.55	0.58
MS7	A	5.00	3.00	5.00	6.00	6.00	5.00	13.00	3.00	12.00	8.00	9.00	6.00	16.00	6.00	103.00
	A_R	4.90	3.00	4.90	5.95	5.95	5.00	12.65	3.00	11.80	7.85	8.95	5.95	15.79	5.90	7.26
	F_{IS}	-0.04	-0.11	0.00	0.10	0.05	0.15	-0.14	0.09	-0.05	0.08	-0.10	-0.04	0.00	-0.10	-0.01
	H_E	0.43	0.25	0.40	0.47	0.66	0.68	0.66	0.44	0.77	0.65	0.80	0.72	0.90	0.66	0.61
	H_O	0.45	0.28	0.40	0.43	0.63	0.58	0.75	0.40	0.80	0.60	0.88	0.75	0.90	0.73	0.61
T18	A	5.00	4.00	3.00	3.00	5.00	5.00	8.00	3.00	10.00	7.00	9.00	8.00	13.00	4.00	87.00
	A_R	5.00	3.95	3.00	3.00	5.00	4.95	7.85	3.00	9.99	6.90	8.95	7.90	12.90	4.00	6.17
	F_{IS}	0.09	-0.14	-0.03	0.41	-0.01	-0.05	-0.02	0.02	0.03	0.01	0.02	0.02	0.00	-0.07	0.01
	H_E	0.66	0.31	0.49	0.34	0.62	0.57	0.56	0.46	0.74	0.70	0.84	0.76	0.90	0.63	0.61

Site	Variable	*SfoC113*	*SfoB52*	*SfoC88*	*SfoC28*	*SfoD100*	*SfoD75*	*Sfo266*	*SfoC86*	*Sfo23*	*SfoD91*	*Sfo308*	*Sfo269*	*SfoD105*	*Sfo226*	All loci
MS1	A	5.00	4.00	6.00	7.00	8.00	6.00	22.00	2.00	15.00	13.00	10.00	11.00	21.00	9.00	139.00
	H_O	0.60	0.35	0.50	0.20	0.63	0.60	0.58	0.45	0.73	0.70	0.83	0.75	0.90	0.68	0.61
All sites	Sum A	10.00	7.00	7.00	9.00	9.00	8.00	38.00	6.00	21.00	15.00	18.00	18.00	30.00	16.00	212.00
	Mean A_R	5.32	5.56	5.47	6.27	6.08	5.57	20.16	2.62	13.35	10.64	10.91	9.56	14.46	6.62	8.75
	Mean F_{IS}	0.02	0.03	0.03	0.03	0.00	-0.01	0.00	0.04	0.05	-0.02	0.01	0.02	-0.01	-0.04	0.01
	Mean H_E	0.52	0.42	0.41	0.40	0.68	0.61	0.79	0.36	0.79	0.71	0.74	0.71	0.89	0.66	0.62
	Mean H_O	0.51	0.41	0.40	0.39	0.68	0.62	0.78	0.35	0.75	0.72	0.73	0.70	0.90	0.68	0.62

Supplementary Table S.3. Multilocus pairwise F_{ST} estimates (above the diagonal; significant values in bold italics) for Brook Trout samples and pairwise geographic distances (km; below the diagonal) for the 25 sampling locations within the Saint-Louis River watershed. See Figure 1 for site locations.

Site	MS1	T1	MS2	T2	T3	T4	T5	T6	MS3	T7	T8	MS4	T9	T10	T11	MS5	T12	T13	MS6	T14	T15	T16	T17	MS7	T18
MS1		0.00	0.01	0.01	***0.07***	***0.07***	***0.06***	***0.07***	0.01	***0.03***	***0.02***	***0.01***	***0.02***	***0.02***	***0.02***	0.01	***0.02***	***0.02***	***0.03***	***0.05***	***0.04***	***0.04***	***0.08***	***0.03***	***0.03***
T1	1.0		***0.03***	***0.02***	***0.07***	***0.07***	***0.07***	***0.09***	***0.02***	***0.04***	***0.04***	***0.03***	***0.03***	***0.03***	***0.03***	***0.03***	***0.04***	***0.03***	***0.05***	***0.06***	***0.05***	***0.05***	***0.09***	***0.04***	***0.05***
MS2	4.2	3.8		0.01	***0.10***	***0.09***	***0.07***	***0.09***	0.00	***0.03***	***0.01***	0.00	***0.02***	***0.02***	0.02	0.00	***0.01***	0.01	***0.02***	***0.04***	***0.02***	***0.04***	***0.09***	***0.01***	***0.02***
T2	6.2	5.8	2.1		***0.05***	***0.04***	***0.04***	***0.05***	0.01	***0.03***	***0.03***	***0.02***	***0.02***	***0.03***	***0.03***	0.01	***0.01***	***0.01***	***0.02***	***0.05***	***0.04***	***0.04***	***0.07***	***0.02***	***0.03***
T3	6.8	6.4	2.6	0.5		0.00	***0.02***	***0.03***	***0.10***	***0.10***	***0.12***	***0.10***	***0.09***	***0.13***	***0.12***	***0.09***	***0.09***	***0.10***	***0.09***	***0.14***	***0.13***	***0.11***	***0.13***	***0.12***	***0.11***
T4	7.7	7.3	3.5	1.5	0.9		***0.02***	***0.03***	***0.09***	***0.10***	***0.11***	***0.10***	***0.09***	***0.12***	***0.11***	***0.09***	***0.08***	***0.09***	***0.08***	***0.13***	***0.12***	***0.10***	***0.12***	***0.11***	***0.11***
T5	9.1	8.7	5.0	2.9	2.3	1.4		***0.02***	***0.08***	***0.09***	***0.10***	***0.08***	***0.08***	***0.11***	***0.10***	***0.08***	***0.07***	***0.08***	***0.08***	***0.13***	***0.11***	***0.10***	***0.13***	***0.10***	***0.10***
T6	10.0	9.6	5.8	3.7	3.2	2.3	0.8		***0.09***	***0.10***	***0.11***	***0.10***	***0.09***	***0.12***	***0.11***	***0.09***	***0.08***	***0.08***	***0.09***	***0.14***	***0.13***	***0.11***	***0.14***	***0.11***	***0.11***
MS3	8.4	8.0	4.2	2.6	3.1	4.0	5.5	6.3		***0.03***	***0.02***	0.00	***0.02***	***0.01***	0.01	0.00	0.01	***0.01***	***0.03***	***0.04***	***0.03***	***0.04***	***0.09***	***0.01***	***0.02***
T7	9.6	9.2	5.5	3.8	4.4	5.3	6.7	7.6	1.2		***0.04***	***0.03***	***0.05***	***0.05***	***0.05***	***0.03***	***0.04***	***0.04***	***0.05***	***0.06***	***0.06***	***0.07***	***0.10***	***0.04***	***0.05***
T8	15.9	15.5	11.8	10.1	10.7	11.6	13.0	13.8	7.5	7.0		***0.01***	***0.04***	***0.04***	***0.04***	***0.02***	***0.03***	***0.03***	***0.03***	***0.06***	***0.04***	***0.05***	***0.10***	***0.02***	***0.03***
MS4	15.7	15.3	11.5	9.9	10.4	11.3	12.8	13.6	7.3	6.7	0.5		***0.01***	0.02	***0.03***	0.01	***0.02***	***0.02***	***0.03***	***0.05***	***0.04***	***0.05***	***0.10***	***0.02***	***0.03***
T9	17.3	16.9	13.1	11.4	12.0	12.9	14.3	15.2	8.9	8.3	2.1	1.6		***0.03***	***0.03***	***0.02***	***0.03***	***0.02***	***0.05***	***0.07***	***0.05***	***0.06***	***0.10***	***0.04***	***0.05***
T10	16.4	16.0	12.2	10.6	11.2	12.1	13.5	14.3	8.0	7.4	1.3	0.8	1.4		0.00	***0.02***	***0.04***	***0.02***	***0.07***	***0.06***	***0.04***	***0.08***	***0.13***	***0.04***	***0.06***
T11	17.0	16.6	12.8	11.2	11.7	12.6	14.0	14.9	8.6	8.0	1.8	1.3	2.0	0.5		***0.02***	***0.03***	***0.03***	***0.08***	***0.05***	***0.05***	***0.08***	***0.13***	***0.04***	***0.06***
MS5	27.1	26.7	22.9	21.3	21.8	22.7	24.2	25.0	18.7	18.1	11.9	11.4	12.1	10.9	11.4		0.01	***0.01***	***0.02***	***0.03***	***0.02***	***0.04***	***0.09***	0.00	***0.02***
T12	32.6	32.2	28.4	26.8	27.4	28.3	29.7	30.5	24.2	23.6	17.5	16.9	17.6	16.4	17.0	5.6		***0.01***	***0.02***	***0.04***	***0.02***	***0.02***	***0.06***	***0.01***	***0.02***
T13	33.1	32.7	28.9	27.3	27.9	28.8	30.2	31.0	24.7	24.1	18.0	17.4	18.1	16.9	17.5	6.1	0.5		***0.03***	***0.05***	***0.04***	***0.05***	***0.09***	***0.02***	***0.03***
MS6	33.7	33.3	29.6	27.9	28.5	29.4	30.8	31.7	25.3	24.8	18.6	18.1	18.7	17.5	18.1	6.7	1.6	2.1		***0.05***	***0.04***	0.02	***0.06***	***0.02***	0.00
T14	34.3	33.9	30.1	28.5	29.1	30.0	31.4	32.2	25.9	25.3	19.2	18.6	19.3	18.1	18.7	7.2	2.2	2.7	0.6		***0.03***	***0.05***	***0.10***	***0.02***	***0.04***
T15	35.6	35.2	31.4	29.8	30.3	31.2	32.7	33.5	27.2	26.6	20.4	19.9	20.6	19.4	19.9	8.5	3.5	4.0	1.9	1.8		***0.05***	***0.10***	***0.01***	***0.03***
T16	38.1	37.7	33.9	32.3	32.8	33.7	35.2	36.0	29.7	29.1	22.9	22.4	23.1	21.9	22.4	11.0	6.0	6.5	4.4	4.3	3.0		0.01	***0.03***	***0.01***
T17	38.3	37.9	34.1	32.5	33.1	34.0	35.4	36.2	29.9	29.3	23.1	22.6	23.3	22.1	22.7	11.2	6.2	6.7	4.6	4.5	3.3	0.2		***0.08***	***0.06***
MS7	38.5	38.1	34.3	32.7	33.2	34.2	35.6	36.4	30.1	29.5	23.3	22.8	23.5	22.3	22.9	11.4	6.4	6.9	4.8	4.7	3.4	0.6	0.8		0.01
T18	38.8	38.4	34.6	33.0	33.6	34.5	35.9	36.7	30.4	29.8	23.6	23.1	23.8	22.6	23.2	11.7	6.7	7.2	5.1	5.0	3.8	0.9	1.1	0.3	