Supplementary Table S1. Results of model fitting.

For all lakes, details of statistics and demographic parameter values for the fittest models determined under the threshold of $\Delta AIC_i < 10$. The table contains in this order the maximum likelihood (MLE) for each model, the value of Akaike information criterion (AIC), the ΔAIC value and the weighted AIC (w_{AIC}). Then, the inferred raw demographic parameter values including: Theta (θ); the ancestral effective population size before population split (Nref); the effective population size after split for dwarf (N_1) and normal (N_2) populations; the growth coefficient for dwarf (b_1) and normal (b_2) populations. The *b* parameter is defined as the ratio of contemporary to ancestral effective population size (ancestral meaning after splitting time). Population exponential growth is associated with $b_i>1$ and reduction in population effective size with $b_i<1$. The Hill-Robertson factor (*hrf*) corresponds to the degree to which the effective population size of the diverging populations (not considering the ancestral population) is locally reduced due to the effect of linked selection. Migration parameters include migration rates from normal population to dwarf population (m_{e12}) and reciprocally (m_{e21}), and a second category of effective migration rates ($m_{e'12}$) and ($m_{e'21}$) applying to a second category of loci. Time parameters include the duration (in years) of the allopatric divergence period (Tsplit), and the duration of the migration period (*i.e.*, T_{AM} for the AM models and T_{SC} for the secondary contact models). Finally, the table also contains proportion parameters such as the proportion (*Q*) of the genome with effective population sizes N_1 and N_2 (a second category of loci occupying a fraction 1-*Q* of the genome has effective population sizes b_1N_1 and b_2N_2). A proportion (*P*) of the genome is occupied by loci with effective migration rates m_{e12} and m_{e21} (and a second category of loci occupying a fraction 1-*P* of the genome has effective population sizes m'_{e12} and m'_{e21}). The parameter (*O*) is the proportion of correct SNP orientation. Numbers into brackets denote 95% confidence intervals obtained using the MLE parameter values ±2 s.e.

LAKE	MODEL	MLE	AIC	ΔAIC	wAIC	θ	Nref	N_1	N_2	b_1	b_1	*hrf*	m_{e12}	m_{e21}	$m_{e'12}$	$m_{e'21}$	*Tsplit*	*Tpost-split*	*P*	*Q*	*O*
Témiscouata	SC2mG	-1656.47	3336.93	-	0.68	532.15	7611.39	110.8	42.1	20.3	0.3	-	0.011	0.000	0.000	0.042	0.56	0.14	0.93	-	0.99
								[32.7; 189.0]	[0.0; 84.6]	[0.0; 68.6]	[0.0; 32.4]	-	[0.000; 21.107]	[0.000; 21.680]	[0.000; 3.610]	[0.000; 3.858]	[0.00; 3.39]	[0.00; 0.91]	[0.22; 0.95]	-	[0.99; 0.99]
Témiscouata	SIG	-1663.23	3338.47	1.54	0.32	570.56	4350.13	33.4	49.2	95.4	0.2	-	-	-	-	-	0.97	-	-	-	0.99
								[21.7; 45.0]	[47.1; 51.4]	[81.0; 109.8]	[0.0; 1.5]	-	-	-	-	-	[0.91; 1.02]	-	-	-	[0.84; 0.99]
East	SC2N2mG	-909.87	1847.74	-	0.77	212.86	1622.96	0.4	0.4	37.0	2.2	0.1	18.900	37.344	1.979	1.249	3.16	1.73	0.60	0.16	0.98
								[0.0; 9.5]	[0.0; 6.8]	[0.0; 104.7]	[0.0; 41.1]	[0.0; 0.6]	[7.861; 29.940]	[15.639; 59.050]	[0.000; 7.340]	[0.000; 5.661]	[0.00; 7.50]	[0.93; 2.52]	[0.26; 0.94]	[0.01; 0.37]	[0.96; 0.98]
East	IM2mG	-914.25	1850.50	2.77	0.19	982.85	7493.63	1.0	0.1	1.8	84.9	-	14.780	0.007	0.046	5.821	0.28	-	0.77	-	0.97
								[0.0; 2.2]	[0.0; 1.2]	[0.0; 3.7]	[82.1; 87.7]	-	[14.570; 14.991]	[0.000; 4.195]	[0.000; 0.546]	[5.493; 6.148]	[0.00; 0.65]	-	[0.59; 0.95]	-	[0.94; 0.99]
East	AM2N2m	-916.30	1856.60	7.71	0.02	406.95	3102.73	8.6	4.3	-	-	0.0	26.409	2.112	0.001	4.454	0.19	0.00	0.06	0.50	0.96
								[0.0; 12.2]	[0.0; 5.1]	-	-	[0.0; 0.3]	[14.941; 37.877]	[0.000; 12.290]	[0.000; 3.853]	[0.000; 12.517]	[0.06; 0.33]	[0.00; 0.13]	[0.87; 0.86]	[0.26; 0.74]	[0.96; 0.96]
East	AMG	-918.72	1855.45	8.86	0.01	775.93	5915.95	0.6	0.2	25.8	96.3	-	11.344	0.037	-	-	0.21	0.04	-	-	0.96
								[0.0; 40.0]	[0.0; 11.2]	[7.0; 44.6]	[53.6; 139.0]	-	[0.260; 22.428]	[0.000; 1.202]	-	-	[0.08; 0.34]	[0.00; 0.15]	-	-	[0.95; 0.97]
Indian	SC2N2mG	-1089.03	2206.07	-	0.94	158.61	933.35	0.6	0.3	64.0	6.3	0.2	0.809	1.906	0.155	1.014	4.50	1.31	0.60	0.41	0.97
								[0.6; 0.6]	[0.0; 2.7]	[62.1; 65.9]	[4.1; 8.6]	[0.0; 0.4]	[0.000; 1.708]	[1.053; 2.760]	[0.000; 1.098]	[0.994; 1.033]	[3.65; 5.35]	[0.96; 1.65]	[0.19; 0.95]	[0.39; 0.42]	[0.94; 1.00]
Indian	SC2NG	-1094.92	2211.85	5.78	0.05	1201.86	7072.67	0.2	0.2	43.2	4.4	0.2	1.676	5.703	-	-	0.13	0.34	-	0.50	0.95
								[0.0; 28.7]	[0.0; 70.8]	[42.4; 44.0]	[0.0; 77.7]	[0.0; 0.4]	[0.000; 42.686]	[0.000; 48.432]	-	-	[0.11; 0.15]	[0.00; 8.00]	-	[0.48; 0.50]	[0.29; 0.99]
Cliff	SC2N2mG	-1006.59	2039.18	-	0.53	123.06	1482.41	4.1	0.9	24.7	19.6	0.2	0.088	0.024	0.074	0.008	3.12	0.89	0.48	0.40	0.99
								[1.9; 6.4]	[0.4; 1.4]	[20.9; 28.5]	[16.9; 22.3]	[0.0; 1.0]	[0.000; 1.159]	[0.000; 1.894]	[0.000; 0.494]	[0.000; 7.252]	[2.79; 3.45]	[0.84; 0.94]	[0.36; 0.61]	[0.00; 2.17]	[0.98; 0.99]
Cliff	SC2mG	-1007.72	2039.43	0.25	0.46	232.67	2802.70	7.3	1.0	3.6	10.7	-	14.629	34.813	0.085	0.006	0.65	0.49	0.05	-	0.96
								[0.0; 53.0]	[0.0; 12.1]	[0.0; 132.8]	[0.0; 86.9]	-	[0.000; 35.145]	[14.934; 54.692]	[0.000; 3.306]	[0.000; 2.323]	[0.11; 1.20]	[0.00; 0.99]	[0.00; 0.26]	-	[0.95; 0.97]

Supplementary Table 2. Converted model parameter values for the best fit models in each lake.

For all lakes, details of statistics and demographic parameter values for the fittest models determined under the threshold of $\Delta AIC_i < 10$. The table contains in this order the maximum likelihood (MLE) for each model, the value of Akaike information criterion (AIC), the ΔAIC value and the weighted AIC (w_{AIC}). Then, the inferred demographic parameter values converted with the estimate of Theta (θ): the ancestral effective population size before population split (Nref); the effective population size after split for dwarf (N_1) and normal (N_2) populations; the growth coefficient for dwarf (b_1) and normal (b_2) populations. The *b* parameter defined as a ratio of contemporary to ancestral effective population size (ancestral meaning after splitting time). Population exponential growth is associated with $b_i>1$ and reduction in population effective size with $b_i<1$. The Hill-Robertson factor (*hrf*) corresponds to the degree to which the effective population size of the diverging populations (not considering the ancestral population) is locally reduced due to the effect of linked selection. Migration parameters include migration rates from normal population to dwarf population (m_{e12}) and reciprocally (m_{e21}), and a second category of effective migration rates ($m_{e'12}$) and ($m_{e'21}$) applying to a second category of loci. Time parameters include the duration (in years) of the allopatric divergence period (Tsplit), and the duration of the migration period (*i.e.*, T_{AM} for the AM models and T_{SC} for the secondary contact models). Finally, the table also contains proportion parameters such as the proportion (Q) of the genome with effective population sizes N_1 and N_2 (a second category of loci occupying a fraction 1-Q of the genome has effective population sizes b_1N_1 and b_2N_2). A proportion (P) of the genome is occupied by loci with effective migration rates m_{e12} and m_{e21} (and a second category of loci occupying a fraction 1-P of the genome has effective population sizes m'_{e12} and m'_{e21}). The parameter (O) is the proportion of correct SNP orientation. The estimated value of each parameter was converted so that migration rates represent the fraction of a population replaced

by migrants every generation, and temporal parameters appear in years. Numbers into brackets denote 95% confidence intervals obtained using the MLE parameter values ±2 s.e.

LAKE	MODEL	MLE	AIC	ΔAIC	*w*AIC	θ	Nref	N_1	N_2	b_1	b_1	*hrf*	m_{e12}	m_{e21}	$m_{e'12}$	$m_{e'21}$	*Tsplit*	*Tpost-split*	*P*	*Q*	*O*
Témiscouata	SC2mG	-1656.47	3336.93	-	0.68	532.15	7611.39	2952603.4	1120233.2	20.3	0.3	-	0.000	0.000	0.000	0.000	29996.49	7246.04	0.93	-	0.99
								[870315.0; 5034891.7]	[266.4; 2253298.1]	[0.0; 68.6]	[0.0; 32.4]	-	[0.000; 0.005]	[0.000; 0.005]	[0.000; 0.001]	[0.000; 0.001]	[0.00; 180578.93]	[0.00; 48478.87]	[0.22; 0.95]	-	[0.99; 0.99]
Témiscouata	SIG	-1663.23	3338.47	1.54	0.32	570.56	4350.13	507815.2	749808.8	95.4	0.2	-	-	-	-	-	29506.96	-	-	-	0.99
								[330990.9; 684639.4]	[717244.8; 782372.8]	[81.0; 109.8]	[0.0; 1.5]	-	-	-	-	-	[48741.01; 31157.00]	-	-	-	[0.84; 0.99]
East	SC2N2mG	-909.87	1847.74	-	0.77	212.86	1622.96	2325.3	2453.9	37.0	2.2	0.11	0.020	0.040	0.002	0.001	35907.02	19601.58	0.60	0.16	0.98
								[56.8; 54009.3]	[56.8; 38360.6]	[0.0; 104.7]	[0.0; 41.1]	[0.01; 0.56]	[0.008; 0.032]	[0.017; 0.064]	[0.000; 0.008]	[0.000; 0.006]	[0.00; 85224.95]	[10542.92; 28660.24]	[0.26; 0.94]	[0.01; 0.37]	[0.96; 0.98]
East	IM2mG	-914.25	1850.50	2.77	0.19	982.85	7493.63	27310.7	2249.4	1.8	84.9	-	0.003	0.000	0.000	0.001	14597.50	-	0.77	-	0.97
								[262.3; 57150.4]	[262.3; 30703.2]	[0.0; 3.7]	[82.1; 87.7]	-	[0.000; 0.004]	[0.000; 0.001]	[0.000; 0.000]	[0.001; 0.001]	[0.00; 33933.42]	-	[0.59; 0.95]	-	[0.94; 0.99]
East	AM2N2m	-916.30	1856.60	7.71	0.02	406.95	3102.73	93159.0	47124.4	-	-	0.04	0.015	0.001	0.000	0.003	4204.02	0.00	0.06	0.50	0.96
								[108.6; 131971.6]	[108.6; 55127.0]	-	-	[0.01; 0.34]	[0.008; 0.021]	[0.000; 0.007]	[0.000; 0.002]	[0.000; 0.007]	[3263.59; 7077.67]	[0.00; 2730.24]	[0.87; 0.86]	[0.26; 0.74]	[0.96; 0.96]
East	AMG	-918.72	1855.45	8.86	0.01	775.93	5915.95	12292.9	4330.7	25.8	96.3	-	0.003	0.000	-	-	8725.63	1536.75	-	-	0.96
								[207.1; 827979.7]	[207.1; 232806.3]	[7.0; 44.6]	[53.6; 139.0]	-	[0.000; 0.007]	[0.000; 0.000]	-	-	[4276.72; 14127.18]	[0.00; 6368.43]	-	-	[0.95; 0.97]
Indian	SC2N2mG	-1089.03	2206.07	-	0.94	158.61	933.35	2048.1	957.3	64.0	6.3	0.20	0.002	0.004	0.000	0.002	29401.99	8541.27	0.60	0.41	0.97
								[1984.1; 2112.1]	[32.7; 8971.6]	[62.1; 65.9]	[4.1; 8.6]	[0.01; 0.43]	[0.000; 0.003]	[0.002; 0.005]	[0.000; 0.002]	[0.002; 0.002]	[23833.27; 34970.72]	[6279.02; 10803.53]	[0.19; 0.95]	[0.39; 0.42]	[0.94; 1.00]
Indian	SC2NG	-1094.92	2211.85	5.78	0.05	1201.86	7072.67	5306.7	4851.4	43.2	4.4	0.19	0.000	0.001	-	-	6230.14	16705.74	-	0.50	0.95
								[247.5; 709290.9]	[247.5; 1753775.2]	[42.4; 44.0]	[0.0; 77.7]	[0.01; 0.38]	[0.000; 0.011]	[0.000; 0.012]	-	-	[5259.77; 7200.51]	[0.00; 396069.76]	-	[0.48; 0.50]	[0.29; 0.99]
Cliff	SC2N2mG	-1006.59	2039.18	-	0.53	123.06	1482.41	21376.3	4560.6	24.7	19.6	0.17	0.000	0.000	0.000	0.000	32375.74	9245.76	0.48	0.40	0.99
								[9640.8; 33111.8]	[1982.4; 7138.8]	[20.9; 28.5]	[16.9; 22.3]	[0.00; 1.00]	[0.000; 0.001]	[0.000; 0.002]	[0.000; 0.001]	[0.000; 0.009]	[28981.58; 35769.90]	[8722.07; 9769.46]	[0.36; 0.61]	[0.00; 2.17]	[0.98; 0.99]
Cliff	SC2mG	-1007.72	2039.43	0.25	0.46	232.67	2802.70	71589.0	9480.8	3.6	10.7	-	0.009	0.022	0.000	0.000	12818.87	9679.91	0.05	-	0.96
								[98.1; 519641.2]	[98.1; 118734.2]	[0.0; 132.8]	[0.0; 86.9]	-	[0.000; 0.022]	[0.009; 0.034]	[0.000; 0.002]	[0.000; 0.001]	[2190.82; 23446.92]	[0.00; 19505.76]	[0.00; 0.26]	-	[0.95; 0.97]

Supplementary Table S3. Summary statistics and parameter estimations for the 26 models per lake.

For all lakes, summary statistics and model parameter values are provided for the fittest run obtained from 25 independent runs of optimisation for each model for each lake. Models are ranked according to their Akaike information criterion (AIC) value. Also provided are the ΔAIC value for the corresponding model and the weighted AIC (w_{AIC}). Inferred demographic parameter values are scaled by Theta (θ): the ancestral effective population size before population split (Nref); the effective population size after split for dwarf (N_1) and normal (N_2) populations; the growth coefficient for dwarf (b_1) and normal (b_2) populations; the Hill-Robertson factor (*hrf*); effective migrations rates from normal population to dwarf population (m_{e12}) and reciprocally (m_{e21}) for the first category of loci, and for the second category ($m_{e'12}$ and $m_{e'21}$); Allopatric isolation duration parameter (*Ts*) and migration duration parameters (T_{AM} for AM models and T_{SC} for SC models). Finally, the table also contains proportion parameters for the effect of linked selection (*Q*), semi-permeability (*P*) and correct orientation (*O*).

LAKE	MODEL	MLE	AIC	THETA	nu1	nu2	b1	b2	hrf	m12	m21	me12	me21	Tsplit	Tpost-split	P	Q	O
TEMISCOUATA	SC2mG	-1656,47	3336,93	532,15	110,834	42,051	20,263	0,255	-	0,011	0,000	0,000	0,042	0,563	0,136	0,933	-	0,990
TEMISCOUATA	SIG	-1663,23	3338,47	570,56	33,353	49,247	95,361	0,225	-	-	-	-	-	0,969	-	-	-	0,990
TEMISCOUATA	SI2NG	-1715,82	3447,64	570,30	50,758	25,073	42,398	0,679	0,012	-	-	-	-	1,000	-	-	0,014	0,989
TEMISCOUATA	AMG	-1718,01	3454,02	587,19	27,899	32,769	35,792	0,522	-	0,092	0,867	-	-	0,003	0,934	-	-	0,989
TEMISCOUATA	SC2N2m	-1741,62	3507,24	440,01	0,339	97,904	-	-	0,209	5,078	56,919	1,410	0,734	7,082	0,507	0,715	0,445	0,990
TEMISCOUATA	AM2N2mG	-1743,68	3515,36	271,69	57,220	70,037	3,750	0,097	0,024	8,188	0,012	1,331	0,000	0,627	0,402	0,527	0,027	0,988
TEMISCOUATA	AM2m	-1753,04	3526,08	564,13	205,612	18,805	-	-	-	4,990	2,339	1,522	0,010	0,000	0,992	0,784	-	0,989
TEMISCOUATA	IM2mG	-1752,97	3527,94	611,96	42,608	23,046	56,470	0,489	-	0,000	13,899	0,060	0,006	0,879	-	0,082	-	0,990
TEMISCOUATA	IMG	-1761,00	3538,00	529,77	75,249	12,450	9,004	2,468	-	0,093	0,022	-	-	1,166	-	-	-	0,989
TEMISCOUATA	SC2NG	-1767,61	3557,21	661,81	87,355	23,160	28,158	0,141	0,953	0,464	0,025	-	-	0,586	0,128	0,020	0,990	
TEMISCOUATA	AM2mG	-1776,19	3576,38	571,39	20,183	28,587	22,612	0,691	-	3,718	0,000	4,101	0,146	0,002	0,975	0,946	-	0,990
TEMISCOUATA	SI2N	-1789,46	3590,92	601,11	98,815	22,679	-	0,000	0,222	-	-	-	-	0,920	-	-	-	0,996
TEMISCOUATA	IM2NG	-1804,32	3628,63	609,90	93,455	22,615	3,087	0,542	0,159	0,242	0,273	-	-	0,912	-	-	0,019	0,989
TEMISCOUATA	IM2m	-1813,77	3645,53	598,24	188,779	18,542	-	-	-	0,411	0,044	0,123	0,316	0,953	-	0,707	-	0,989
TEMISCOUATA	SI	-1829,71	3667,43	574,92	94,643	18,965	-	-	-	-	-	-	-	0,936	-	-	-	0,990
TEMISCOUATA	SC2N2mG	-1836,52	3701,04	327,43	60,519	13,571	15,374	0,844	0,543	0,302	0,304	0,000	0,062	0,000	0,796	0,586	0,055	0,990
TEMISCOUATA	AM2N	-1843,36	3704,72	595,25	77,826	18,625	-	-	0,541	4,287	0,000	0,360	-	0,542	-	-	0,026	0,989
TEMISCOUATA	SC2m	-1846,09	3712,18	595,10	93,013	16,693	-	-	-	8,002	1,324	0,031	0,011	0,873	0,000	0,271	-	0,990
TEMISCOUATA	AM	-1864,87	3743,74	595,95	74,613	16,193	-	-	-	0,288	0,017	-	-	0,823	0,063	-	-	0,990
TEMISCOUATA	AM2N2m	-1860,21	3744,42	282,46	89,717	19,353	-	-	0,370	0,584	0,000	12,295	0,968	0,928	0,058	0,210	0,079	0,990
TEMISCOUATA	SC2N	-1873,63	3765,26	641,56	116,008	14,745	-	-	0,236	1,821	2,407	-	-	0,763	0,000	-	0,015	0,988
TEMISCOUATA	SC	-1896,33	3806,66	613,99	66,019	16,112	-	-	-	0,033	0,000	-	-	0,008	0,805	-	-	0,989
TEMISCOUATA	SCG	-2061,74	4141,49	297,77	0,944	33,118	1,263	0,327	0,766	1,740	-	-	-	4,064	0,792	-	-	0,986
TEMISCOUATA	IM	-2188,12	4388,24	677,45	21,798	11,870	-	-	-	0,002	0,099	-	-	0,608	-	-	-	0,988
TEMISCOUATA	IM2N	-2219,56	4455,12	402,78	1,776	16,341	-	-	0,679	0,225	1,297	-	-	3,911	-	-	0,069	0,990
TEMISCOUATA	AM2NG	-1865,58	3753,16	514,41	19,774	22,151	21,374	0,604	0,737	13,488	0,936			0,193	0,960		0,183	0,989
EST	SC2N2mG	-909,87	1847,74	212,86	0,409	0,432	36,967	2,193	0,110	18,900	37,344	1,979	1,249	3,161	1,725	0,599	0,156	0,984
EST	IM2mG	-914,25	1850,50	982,85	1,041	0,086	1,795	84,878	-	14,780	0,007	0,046	5,821	0,278	-	0,768	-	0,966
EST	AM2N2m	-916,30	1856,60	406,95	8,579	4,339	-	-	0,035	26,409	2,112	0,001	4,454	0,194	0,000	0,056	0,498	0,962
EST	AMG	-918,72	1855,45	775,93	0,594	0,209	25,827	96,319	-	11,344	0,037	-	-	0,211	0,037	-	-	0,957
EST	IM2NG	-920,00	1860,00	1068,61	8,096	0,081	0,071	73,507	0,254	13,887	0,922	-	-	0,275	-	-	0,010	0,972
EST	SC2mG	-920,80	1865,61	700,13	6,957	8,791	8,089	0,011		35,227	0,000	0,001	0,001	0,211	0,000	0,122		0,966
EST	IMG	-920,91	1857,82	1307,48	10,156	0,062	0,044	85,351	-	18,401	0,000	-	-	0,253	-	-	-	0,975
EST	IM2m	-922,37	1862,73	716,03	6,059	3,188	-	-	-	55,951	63,428	0,029	0,089	0,138	-	0,083	-	0,958
EST	SC2NG	-924,11	1870,23	718,50	18,325	6,174	0,245	0,467	0,157	0,424	0,046	-	-	0,007	0,146	-	0,034	0,956
EST	IM2N	-924,14	1864,27	721,19	10,103	4,114	-	-	0,173	0,296	0,000	-	-	0,161	-	-	0,043	0,961
EST	AM2N	-924,18	1866,36	721,33	10,085	4,131	-	-	0,175	0,262	0,013	-	-	0,160	0,000	-	0,043	0,961
EST	SC2N	-924,19	1866,37	719,87	9,655	4,093	-	-	0,169	0,285	0,000	-	-	0,000	0,161	-	0,035	0,961
EST	AM2N2mG	-924,31	1876,62	359,51	10,781	3,922	0,773	1,047	0,158	7,370	0,000	0,000	0,289	0,065	0,098	0,154	0,088	0,960
EST	SC2N2m	-924,63	1873,26	359,42	7,863	4,033	-	-	0,156	0,546	0,000	0,000	0,813	0,000	0,160	0,948	0,058	0,959
EST	SI2NG	-924,94	1865,89	723,07	32,541	2,415	0,318	2,523	0,193	-	-	0,164	-	-	-	-	0,052	0,964
EST	AM2mG	-925,37	1874,75	719,43	6,293	4,478	2,088	0,011	-	0,134	0,015	0,258	0,015	0,149	0,000	0,060	-	0,956
EST	SI2N	-925,40	1862,80	721,98	10,477	4,096	-	0,038	0,180	-	-	0,157	-	-	-	-	-	0,961
EST	AM2NG	-925,53	1873,07	725,91	8,357	1,973	3,403	3,704	0,205	25,737	0,000	-	-	0,000	0,169	-	0,039	0,967
EST	SCG	-925,97	1869,94	719,09	10,958	4,602	0,007	0,022	-	2,111	0,499	-	-	0,135	0,002	-	-	0,950
EST	IM	-926,81	1865,62	720,27	7,182	3,746	-	-	-	0,218	0,000	-	-	0,154	-	-	-	0,958
EST	AM	-926,82	1867,64	719,72	7,444	3,690	-	-	-	0,242	0,000	-	-	0,153	0,001	-	-	0,958
EST	SC2m	-926,84	1873,68	720,18	7,229	3,754	-	-	-	0,000	0,000	0,212	0,000	0,000	0,154	0,055	-	0,958
EST	SC	-926,92	1867,85	719,77	7,192	3,803	-	-	-	0,201	0,000	-	-	0,021	0,133	-	-	0,959
EST	AM2m	-927,00	1874,01	719,66	7,162	3,768	-	-	-	0,001	0,213	0,125	0,370	0,129	0,024	0,937		0,958
EST	SIG	-927,30	1866,59	722,93	7,112	2,290	1,722	2,363	-	-	-	0,159	-	-	-	-	-	0,962
EST	SI	-927,47	1862,94	721,02	7,842	3,692	-	-	-	-	-	0,152	-	-	-	-	-	0,959
INDIAN	SC2N2mG	-1089,03	2206,07	158,61	0,627	0,293	63,983	6,320	0,200	0,809	1,906	0,155	1,014	4,500	1,307	0,597	0,405	0,967
INDIAN	SC2NG	-1094,92	2211,85	1201,86	0,214	0,196	43,187	4,390	0,185	1,676	5,703	-	-	0,126	0,337	-	0,497	0,954
INDIAN	IM2mG	-1097,36	2216,72	1033,20	0,085	0,203	97,558	2,372	-	0,747	12,454	0,999	2,161	0,378	-	0,643	-	0,963
INDIAN	IM2NG	-1109,26	2238,51	789,68	1,418	0,539	10,748	7,966	0,108	0,959	2,400	-	-	0,331	-	-	0,494	0,953
INDIAN	AM2mG	-1109,85	2243,70	1669,74	0,398	0,197	9,359	30,228	-	0,000	29,521	15,486	0,010	0,420	0,109	0,411	-	0,982
INDIAN	SC2N	-1122,51	2263,02	727,32	5,482	2,295	-	-	0,130	2,220	4,670	-	-	0,214	0,048	-	0,400	0,943
INDIAN	IM2N	-1126,84	2269,67	739,28	5,336	2,056	-	-	0,122	1,051	3,508	-	-	0,313	-	-	0,498	0,941
INDIAN	SC2N2m	-1122,87	2269,74	370,69	3,827	1,134	-	-	0,105	1,980	7,041	0,125	0,000	0,190	0,062	0,621	0,492	0,936
INDIAN	IMG	-1126,89	2269,77	1027,58	0,087	0,088	99,196	4,902		0,900	5,412	-	-	-	0,398	-	-	0,963
INDIAN	AM2N	-1126,60	2271,19	748,55	5,449	1,794	-	-	0,115	1,006	4,186	0,315	-	0,000	-	-	0,499	0,938
INDIAN	AM2N2mG	-1129,46	2286,93	399,77	3,975	0,961	0,351	3,274	0,070	0,446	11,366	1,125	0,013	0,231	0,001	0,127	0,488	0,943
INDIAN	AMG	-1135,33	2288,66	966,36	0,113	0,084	79,583	5,089	-	0,809	5,715	-	-	0,397	0,000	-	-	0,955
INDIAN	AM2N2m	-1133,39	2290,79	391,41	3,757	1,204	-	-	0,072	1,563	7,570	2,764	2,231	0,221	0,000	0,221	0,474	0,941
INDIAN	SC2mG	-1147,39	2318,78	1066,86	0,338	6,184	34,144	0,010	-	0,958	24,798	2,337	0,411	0,296	0,000	0,915	0,968	-
INDIAN	SC2m	-1152,52	2325,04	713,24	3,979	0,492	-	-	-	0,103	56,955	1,354	4,513	0,199	0,024	0,346	-	0,936
INDIAN	SI2NG	-1157,17	2330,34	753,03	3,045	0,761	12,270	94,413	0,195	-	-	-	-	0,217	-	-	0,465	0,971
INDIAN	SCG	-1165,06	2348,12	748,06	0,619	0,282	22,245	27,958	-	0,851	1,145	-	-	0,055	0,228	-	-	0,959
INDIAN	IM2m	-1166,24	2350,47	719,46	5,645	0,428	-	-	-	0,040	43,398	0,002	2,032	0,219	-	0,321	-	0,941
INDIAN	AM2m	-1166,00	2352,00	716,57	5,398	0,435	-	-	-	0,008	43,034	0,091	1,960	0,224	0,000	0,319	-	0,940
INDIAN	AM2NG	-1170,85	2363,70	757,31	3,150	0,923	6,087	25,253	0,265	2,429	0,000	-	-	0,000	0,189	-	0,450	0,962

INDIAN	SI2N	-1184,54	2381,08	749,27	16,206	3,653	-	0,489	0,147	-	-	-	-	0,179	-	-	-	0,953
INDIAN	SC	-1194,61	2403,22	716,88	3,626	0,562	-	-	-	1,152	5,477	-	-	0,173	0,047	-	-	0,935
INDIAN	SIG	-1205,58	2423,15	740,82	2,001	0,246	12,215	98,268	-	-	-	-	-	0,222	-	-	-	0,969
INDIAN	IM	-1210,16	2432,31	721,65	4,207	0,479	-	-	-	0,272	3,566	-	-	0,219	-	-	-	0,937
INDIAN	AM	-1210,17	2434,34	721,73	4,149	0,484	-	-	-	0,281	3,520	-	-	0,218	0,000	-	-	0,936
INDIAN	SI	-1251,12	2510,25	752,25	5,634	0,868	-	-	-	-	-	-	-	0,163	-	-	-	0,946
CLIFF	SC2N2mG	-1006,59	2039,18	123,06	4,120	0,879	24,700	19,600	0,174	0,088	0,024	0,074	0,008	3,120	0,891	0,481	0,400	0,987
CLIFF	SC2mG	-1007,72	2039,43	232,67	7,298	0,966	3,644	10,674		14,629	34,813	0,085	0,006	0,653	0,049	0,055		0,960
CLIFF	IM2mG	-1012,75	2047,50	278,01	23,134	0,304	3,579	94,775	-	4,009	0,117	0,006	0,009	1,143	-	0,198	-	0,988
CLIFF	SI2NG	-1029,34	2074,68	294,85	12,253	1,702	27,521	98,361	0,119	-	-	-	-	0,961	-	-	0,448	0,989
CLIFF	SC2NG	-1028,00	2078,00	272,58	10,968	4,458	20,293	49,353	0,105	0,122	0,000	-	-	0,220	0,892	-	0,482	0,988
CLIFF	IM2NG	-1036,39	2092,77	293,76	5,238	2,869	26,849	46,905	0,101	0,120	0,000	-	-	0,971	-	-	0,437	0,987
CLIFF	AM2mG	-1038,86	2101,73	284,22	4,711	0,486	38,158	37,117	-	0,374	0,002	0,377	4,215	0,139	0,856	0,778	-	0,986
CLIFF	AM2N2mG	-1073,93	2175,86	142,21	21,190	1,004	10,048	31,605	0,146	0,000	0,002	15,277	6,429	0,455	0,669	0,252	0,051	0,988
CLIFF	IMG	-1091,86	2199,73	301,48	5,015	0,233	21,076	99,793	-	0,055	0,094	-	-	0,906	-	-	-	0,987
CLIFF	SI2N	-1095,88	2203,76	271,21	97,226	24,494	-	0,392	0,042	-	-	-	-	1,063	-	-	-	0,985
CLIFF	AM2NG	-1091,63	2205,26	289,56	19,034	0,589	5,755	59,724	0,088	6,293	0,000	-	-	0,066	0,938	-	0,101	0,988
CLIFF	AM2N2m	-1091,48	2206,96	143,19	21,736	13,935	-	-	0,046	0,287	0,099	0,009	0,130	0,912	0,001	0,064	0,492	0,980
CLIFF	SIG	-1100,99	2213,98	300,46	4,248	0,345	72,363	99,879	-	-	-	-	-	0,913	-	-	-	0,987
CLIFF	AMG	-1101,53	2221,07	285,14	34,177	0,366	1,789	99,311	-	0,033	0,033	-	-	0,000	0,978	-	-	0,988
CLIFF	SC2N	-1101,93	2221,86	247,19	15,254	12,250	-	-	0,101	0,404	0,110	-	-	0,828	0,271	-	0,371	0,972
CLIFF	IM2N	-1107,36	2230,72	259,60	21,504	10,229	-	-	0,100	0,172	0,000	-	-	1,020	-	-	0,379	0,975
CLIFF	AM2N	-1111,39	2240,77	281,61	0,011	10,003	-	-	0,100	0,276	0,000	0,894	0,011	0,400	0,972	-	-	-
CLIFF	AM2m	-1111,28	2242,56	334,70	99,474	1,311	-	-	-	25,355	4,612	0,015	0,140	1,799	0,250	0,549	-	0,930
CLIFF	SC2m	-1115,42	2250,84	281,31	93,969	0,859	-	-	-	0,097	29,512	0,206	0,325	1,061	0,091	0,408	-	0,985
CLIFF	IM2m	-1122,31	2262,61	282,45	99,741	0,861	-	-	-	0,000	27,993	0,032	0,106	1,157	-	0,409	-	0,986
CLIFF	SC2N2m	-1119,83	2263,66	128,66	29,411	7,063	-	-	0,110	0,122	0,000	0,000	7,562	0,774	0,229	0,630	0,499	0,978
CLIFF	SC	-1295,69	2605,39	281,52	51,086	1,409	-	-	-	0,135	0,610	-	-	0,895	0,152	-	-	0,982
CLIFF	AM	-1303,73	2621,46	210,36	3,525	85,684	-	-	-	0,013	34,426	-	-	0,211	1,248	-	-	0,970
CLIFF	IM	-1314,32	2640,65	284,34	54,462	1,573	-	-	-	0,043	0,149	-	-	1,026	-	-	-	0,983
CLIFF	SCG	-1319,33	2656,67	292,73	51,314	1,755	6,932	34,177		0,015	0,197	-	-	0,917	0,021	-	-	0,984
CLIFF	SI	-1325,45	2658,89	295,08	50,878	1,828	-	-	-	-	-	-	-	0,907	-	-	-	0,984

Supplementary Table S4. Confidence intervals of contemporary populations following demographic expansion.

The confidence interval of the product N_nxb_n, was determined for each species for the best model, using the lower and upper bounds of the confidence intervals obtained for parameters N_n and b_n from Supplementary Table 1.

LAKE	MODEL	*N1b1*	*N1b2*
Témiscouata	SC2mG	[0;12965.4]	[0;2741.04]
East	SC2N2mG	[0;994.65]	[0;279.48]
Indian	SC2N2mG	[37.26;39.54]	[0;23.22]
Cliff	SC2N2mG	[39.71;182.4]	[6.76;31.22]