

APPENDIX D. Pairwise effective migration rate matrices.

TABLE D1. Pairwise effective migration rate estimates ($N_e m$) for each watershed pair based on maximum-likelihood MCMC simulations. Matrices are segregated by direction, with the first column representing the source of migrants and the first row representing the recipient population. The 95% confidence interval is reported in parentheses for each migration rate estimate.

Watershed Pair	Reach	Bynum 1	Bynum 2	Winter 1	Winter 2		
A	Bynum 1	-	0.192	0.312	0.105		
			(0.163-0.242)	(0.271-0.369)	(0.091-0.125)		
		Bynum 2	0.426	-	0.257	0.140	
			(0.346-0.539)	(0.225-0.296)	(0.123-0.171)		
	Winter 1	0.512	0.286	-	0.152		
		(0.413-0.653)	(0.243-0.332)		(0.132-0.182)		
	Winter 2	0.253	0.206	0.105	-		
		(0.210-0.325)	(0.178-0.242)	(0.090-0.122)			
	B	Little 1	-	0.269	0.252	0.365	
				(0.232-0.317)	(0.220-0.292)	(0.306-0.442)	
			Little 2	0.416	-	0.273	0.269
				(0.353-0.481)	(0.236-0.318)	(0.221-0.322)	
Gun 1		0.340	0.256	-	0.350		
		(0.290-0.397)	(0.221-0.294)		(0.288-0.427)		
Gun 2		0.303	0.195	0.457	-		
		(0.265-0.352)	(0.168-0.224)	(0.395-0.534)			
C		Jones 1	-	0.195	0.273	0.463	
			Jones 2				
			Gwynn 1				
	Gwynn 2						

		(0.172-0.313)	(0.240-0.313)	(0.409-0.527)
	Jones 2	0.323	-	0.219
		(0.283-0.374)		(0.192-0.252)
	Gwynn 1	0.415	0.216	-
		(0.364-0.481)	(0.188-0.249)	
	Gwynn 2	0.355	0.335	0.461
		(0.311-0.409)	(0.293-0.385)	(0.405-0.533)
		Patuxt 1	Patuxt 2	Seneca 1
		Seneca 2		
D	Patuxt 1	-	0.328	0.152
			(0.286-0.377)	(0.132-0.179)
	Patuxt 2	0.167	-	0.339
		(0.146-0.201)		(0.293-0.387)
	Seneca 1	0.120	0.351	-
		(0.104-0.161)	(0.307-0.401)	
	Seneca 2	0.129	0.247	0.219
		(0.109-0.154)	(0.214-0.286)	(0.184-0.252)
