

Supplementary Materials

Appendix S1. Coefficient estimates for Model EV1 (GLMM analysis of Eglinton Valley data). An asterisk next to a p-value indicates that it is statistically significant at the 95% level; ‘ntp’ = night-time period. ‘ntp5:September’ was omitted, since this was the reference value to which all others were compared to.

Fixed effect	Estimate	Standard error	Z value	p-value
intercept	-1.89	0.43	-4.41	< 0.001*
ntp1:August	1.45	0.45	3.25	0.001*
ntp2:August	0.93	0.46	2.04	0.041*
ntp3:August	0.70	0.46	1.52	0.130
ntp4:August	1.25	0.45	2.76	0.006*
ntp5:August	1.66	0.47	3.51	< 0.001*
ntp1:September	0.77	0.48	1.62	0.110
ntp2:September	-0.18	0.52	-0.35	0.730
ntp3:September	0.30	0.49	0.62	0.540
ntp4:September	-0.09	0.51	-0.17	0.860
ntp1:October	1.20	0.44	2.71	0.007*
ntp2:October	0.95	0.44	2.18	0.030*
ntp3:October	0.78	0.44	1.79	0.070
ntp4:October	1.03	0.44	2.35	0.020*
ntp5:October	1.26	0.43	2.92	0.004*
ntp1:November	-1.66	0.83	-2.00	0.050*
ntp2:November	20.3	0.48	4.27	< 0.001*
ntp3:November	1.85	0.47	3.94	< 0.001*
ntp4:November	1.92	0.48	4.04	< 0.001*
ntp5:November	0.87	0.47	1.86	0.060
ntp1:December	1.03	0.50	2.07	0.040*
ntp2:December	2.70	0.49	5.48	< 0.001*
ntp3:December	2.33	0.48	4.89	< 0.001*
ntp4:December	3.07	0.49	6.23	< 0.001*
ntp5:December	1.18	0.46	2.55	0.011*
ntp1:January	0.39	0.50	0.78	0.430
ntp2:January	0.78	0.48	1.63	0.100
ntp3:January	0.60	0.48	1.26	0.210
ntp4:January	0.41	0.49	0.85	0.400
ntp5:January	0.56	0.47	1.19	0.230
ntp1:February	0.94	0.73	1.28	0.199
ntp2:February	0.43	0.48	0.90	0.368
ntp3:February	0.43	0.48	0.90	0.368
ntp4:February	0.35	0.49	0.70	0.481
ntp5:February	0.18	0.49	0.37	0.711
ntp1:March	1.27	0.48	2.67	0.007*
ntp2:March	1.37	0.46	2.97	0.003*
ntp3:March	1.16	0.46	2.50	0.010*
ntp4:March	0.58	0.48	1.22	0.220
ntp5:March	1.16	0.46	2.53	0.010*