

Model Set	Models	K	AIC _c	ΔAIC _c	Weight	Deviance
Annual+Temporal	Site + Year + Site*Year	31	3564.714	0.000	0.9996	3502.659
	Site + Year	26	3580.668	15.954	0.0004	3528.628
	Site + Init + Site*Init	4	3772.059	207.345	0.00	3764.058
	Site + Init	3	3774.382	209.668	0.00	3768.381
	Site + Init + NestAge	4	3775.912	211.197	0.00	3767.910
	Site + NestAge	3	3797.511	232.797	0.00	3791.510
	Site + NestAge + Site*NestAge	4	3799.512	234.797	0.00	3791.510
Ice Conditions	Site + Win_Lo + Win_Lo ² + Site*Win_Lo ²	5	3628.390	0.000	1.000	3618.389
	Site + Win_Hi + Win_Hi ² + Site*Win_Hi ²	5	3674.454	46.063	0.99x10 ⁻¹¹	3664.452
	Site + Win_Hi + Win_Hi ²	4	3709.732	81.341	0.00	3701.731
	Site + Win_Lo	3	3728.583	100.192	0.00	3722.582
	Site + Win_Lo + Win_Lo ²	4	3730.489	102.098	0.00	3722.488
	Site + Win_Hi	3	3744.508	116.117	0.00	3738.508
	Site + Spr_Lo + Spr_Lo ²	4	3776.772	148.381	0.00	3768.771
	Site + Spr_Lo + Spr_Lo ² + Site*Spr_Lo ²	5	3778.536	150.145	0.00	3768.535
	Site + Spr_Lo	3	3795.367	166.976	0.00	3789.367
	Site + Spr_Hi	3	3804.516	176.125	0.00	3798.515
	Site + Spr_Hi + Spr_Hi ²	4	3804.781	176.390	0.00	3796.780
	Site + Spr_Hi + Spr_Hi ² + Site*Spr_Hi ²	5	3805.491	177.101	0.00	3795.490