

Table 1: GBM relative influence and R² by ecoregion

Ecoregion	DOY_TDD15	R ²	Area (km ²)
Alaska Range Transition	100 (0)	0.37	5135
Aleutian Meadows	100 (0)	0.55	2344
Arctic Tundra	100 (0)	0.41	10694
Bering Taiga	100 (0)	0.42	6556
Bering Tundra	100 (0)	0.51	2259
Coast Mountains Transition	100 (0)	0.31	1123
Coastal Rainforests	100 (0)	0.46	6978
Intermontane Boreal	100 (0)	0.63	18149
Pacific Mountains Transition	100 (0)	0.49	606

Table 2: GCM start of season projections

Decade	AK Range	Aleut Mdws	Arc Tun	Bering Tai	Bering Tun	Coast Mt	Coast Rain	Boreal	Pacific Mtn
1960	120	115	130	119	127	128	112	119	120
1970	116	112	128	116	125	124	109	115	116
1980	117	114	129	117	125	124	110	116	116
1990	118	113	129	117	126	125	109	117	117
2000	112	106	126	112	122	119	104	112	112
2010	111	105	124	111	121	117	103	111	110
2020	109	101	123	108	119	115	100	110	108
2030	107	98	121	106	117	112	98	109	106
2040	107	97	122	106	118	113	97	109	107
2050	103	91	118	102	115	108	93	107	103
2060	100	89	116	100	112	104	91	105	100
2070	99	88	115	98	111	103	90	104	99
2080	95	84	114	94	109	99	87	102	96
2090	93	84	113	93	106	97	86	101	94
2100	96	87	110	94	104	99	89	99	96

Table 3: Start of season change in days between historical and 2090s

Region	SOS_delta
Arctic Tundra	-17
Intermontane Boreal	-18
Bering Tundra	-21
Bering Taiga	-26
Coastal Rainforests	-26
Pacific Mountains Transition	-26
Alaska Range Transition	-27
Aleutian Meadows	-31
Coast Mountains Transition	-31