

Table 1: GBM relative influence and R2 by Region

Region	DOY_TDD10	R <sup>2</sup>	Area (km <sup>2</sup> )
Alaska	100 (0)	0.53	53844
Alaska Range Transition	100 (0)	0.36	5135
Aleutian Meadows	100 (0)	0.52	2344
Arctic Tundra	100 (0)	0.36	10694
Bering Taiga	100 (0)	0.38	6556
Bering Tundra	100 (0)	0.52	2259
Coast Mountains Transition	100 (0)	0.36	1123
Coastal Rainforests	100 (0)	0.41	6978
Intermontane Boreal	100 (0)	0.64	18149
Pacific Mountains Transition	100 (0)	0.52	606

Table 2: GCM start of season projections

Decade	Alaska	AK Range	Aleut Mdws	Arc Tun	Bering Tai	Bering Tun	Coast Mt	Coast Rain	Boreal	Pacific Mtn
1960	121	119	113	130	118	127	127	112	119	120
1970	119	116	111	129	116	125	124	109	116	116
1980	120	117	112	129	116	126	124	109	116	116
1990	120	117	111	129	117	126	125	109	117	117
2000	116	112	106	126	113	122	119	105	113	112
2010	115	112	105	125	112	121	118	104	112	111
2020	114	110	102	124	109	120	116	101	111	109
2030	112	109	100	123	108	118	113	100	110	108
2040	113	109	99	123	108	119	114	99	111	109
2050	110	106	95	120	105	116	109	96	109	107
2060	108	103	93	118	103	113	107	93	107	104
2070	107	103	92	118	102	112	106	92	107	103
2080	105	100	89	116	98	110	103	89	106	101
2090	104	97	88	115	96	108	99	88	104	98
2100	104	99	92	114	99	108	100	91	103	98

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

Region	SOS_delta
Arctic Tundra	-15
Intermontane Boreal	-15
Alaska	-17
Bering Tundra	-19
Alaska Range Transition	-22
Bering Taiga	-22
Pacific Mountains Transition	-22
Coastal Rainforests	-24
Aleutian Meadows	-25
Coast Mountains Transition	-28