

Supplemental Materials

Table S1. Fire weather and Environment and Climate Change Canada (ECCC) stations used to create the weather streams for each fire management region.

| Region | Fire weather Station ID (Number) | Dates | Lat Long | ECCC Station Name (ID) | Dates | Lat Long |
|----------------------|----------------------------------|-----------|--------------|--------------------------------|-----------|--------------|
| Grande Prairie | GD | 1979-2015 | 55.0 - 118.9 | Grovedale (3072970) | 1992-2016 | 55.0 - 118.4 |
| | BVL | 2016-2018 | 55.2 - 119.4 | Beverlodge RCS (3070600) | 2016-2018 | 55.1 - 119.2 |
| Edson | AN | 1979-2018 | 53.5 - 116.5 | Edson (2507) | 1979-1999 | 53.6 - 116.0 |
| | | | | Edson Climate (27213) | 1999-2018 | 53.6 - 116.0 |
| Rocky Mountain House | BY | 1979-2018 | 55.5 - 116.1 | Rocky MTN House (3015522) | 1979-1994 | 52.3 - 114.5 |
| | | | | Rocky MTN House CR10 (3015524) | 1994-2002 | 52.3 - 114.5 |
| | | | | Rocky MTN House (3015523) | 2002-2018 | 52.3 - 114.5 |
| | | | | Lobstick Aubuchon (3023971) | 2000-2002 | 52.3 - 114.4 |
| Lac Labiche | LB | 1979-1995 | 54.8 - 111.9 | Lac La Biche Aut (2550) | 1979-2003 | 54.8 - 112.0 |
| | LH | 1996-2018 | 54.7 - 112.0 | Lac La Biche Climate (30726) | 2003-2018 | 54.8 - 112.0 |
| Kenora | KEN (10300) | 1979-2010 | 49.8 -94.4 | Kenora A (3960) | 1979-2013 | 49.8 -94.4 |
| | KEN (99016) | 2010-2016 | 49.7 -94.3 | Kenora A | 2013-2018 | 49.8 -94.4 |
| Dryden | DRY (10400) | 1979-2010 | 49.7 -92.6 | Dryden A (3953) | 1979-2005 | 49.8 -92.8 |
| | DRY (99102) | 2011-2015 | 49.8 -94.4 | Dryden A (29368) | 2005-2010 | 49.8 -92.7 |
| | | | | Dryden Regional (48869) | 2010-2018 | 49.8 92.7 |
| Kirkland Lake | KLK (32000) | 1979-2005 | 48.1 -80.0 | Kirkland Lake (5174) | 1979-1996 | 48.2 -80.0 |
| | 4KL (99017) | 2005-2016 | 48.1 -80.0 | Kirkland Lake (4159) | 1997-2016 | 48.2 -80.0 |
| | | | | Earlton A (4145) | 1979-2005 | 47.7 -79.8 |
| | | | | Earlton AWOS (30246) | 2005-2011 | 47.7 -79.8 |
| Sudbury | | | | Earlton A (49489) | 2012-2016 | 47.7 -79.8 |
| | KUK (42504) | 1979-1982 | 46.7 -80.5 | Sudbury A (4132) | 1979-2013 | 46.6 -80.8 |
| | FRC (42508) | 1992-2000 | 46.6 -80.8 | Sudbury A (50740) | 2013-2016 | 46.6 -80.8 |
| | SUZ (42512) | 2000-2018 | 46.6 -80.9 | | | |
| | 4SU (99072) | 2010-2016 | 46.6 -80.9 | | | |