

**Table** Main site characteristics, climatic indexes, and studied periods of flux sites used in this analysis. All the data gathered from [www.ameriflux.lbl.gov](http://www.ameriflux.lbl.gov).

Site name	Veg <sup>1</sup>	Lat <sup>2</sup>	Lon <sup>3</sup>	Clim <sup>4</sup>	Period	Ref <sup>5</sup>
CA-Ca1	ENF	49.8673	-125.3336	Cfb	1996-2010	Black (2018)
CA-Ca2	ENF	49.8705	-125.2909	Cfb	1999-2010	Black (2018)
CA-Ca3	ENF	49.5346	-124.9004	Cfb	2000-2010	Black (2018)
US-ARc	GRA	35.5465	-98.0400	Cfa	2005-2006	Torn (2018)
US-ARM	CRO	36.6058	-97.4888	Cfa	2003-2018	Fischer et al. (2007)
US-Bar	DBF	44.0646	-71.2881	Dfb	2004-2011	Richardson (2016)
US-FR2	WSA	29.9495	-97.9962	Cfa	2005-2008	Litvak (2016)
US-Ha1	DBF	42.5378	-72.1715	Dfb	1991-2016	Urbanski et al. (2007)
US-Ho1	ENF	45.2041	-68.7402	Dfb	1996-2014	Hollinger (2016)
US-Men	WAT	43.0773	-89.4030	Dfa	2012-2018	Desai (2018)
US-Mpj	OSH	34.4385	-106.2377	Bsk	2008-2018	Litvak (2016)
US-Pnp	WAT	43.0896	-89.4158	Dfa	2016-2018	Desai (2018)
US-Seg	GRA	34.3623	-106.7020	Bsk	2007-2018	Litvak (2016)
US-Ses	OSH	34.3349	-106.7442	Bsk	2007-2018	Litvak (2016)
US-UMB	DBF	45.5598	-84.7138	Dfb	2000-2017	Gough et al. (2018)
US-Vcm	ENF	35.8884	-106.5321	Dfb	2007-2018	Litvak (2016)
US-Vcp	ENF	35.8642	-106.5967	Dfb	2007-2018	Litvak (2016)
US-Wjs	OSH	34.4255	-105.8615	Bsk	2007-2018	Litvak (2016)

<sup>1</sup> Vegetation types: croplands (CRO); deciduous broadleaf forests (DBF); evergreen needleleaf forests (ENF); grasslands (GRA); open shrublands (OSH); water bodies (WAT); woody savannas (WSA). <sup>2</sup> Positive value indicates north latitude. <sup>3</sup> Negative value indicates west longitude. <sup>4</sup> Köppen Climate classification. <sup>5</sup> References.