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Supplementary material

Different historical fire–climate patterns in California

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Table S1. An example of seasonal temperature variation over an 84-year period for a foothill site in the southern Sierra Nevada illustrating the large year-to-year variation

Winter = Dec, Jan, Feb; Spring = March, April, May; Summer = June, July, August; Autumn = September, October, November (data from http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca0343). Note: although many montane sites exhibit a significant increase in temperature over this time period, it is commonly not observed in lower elevation sites such as this one, however interpreting these data presents many complications (e.g. Vose *et al*. 2014)

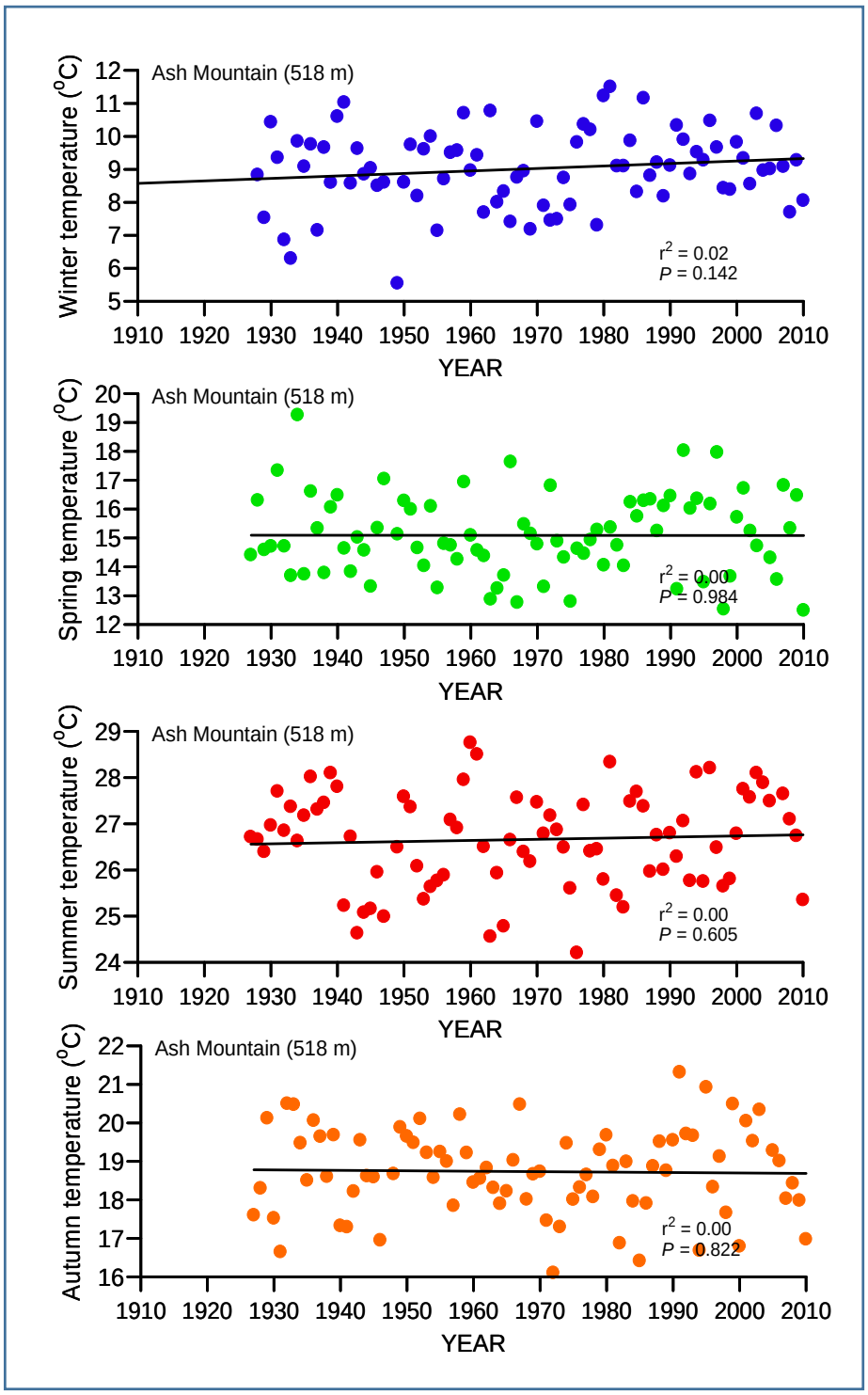

Table S2. Number of years of Cal Fire data for California counties

Division	County	Years
1	Del Norte	80
1	Humboldt	92
1	Lake	93
1	Marin	79
1	Mendocino	94
1	Napa	94
1	Siskiyou	94
1	Sonoma	93
1	Trinity	89
2	Butte	94
2	Colusa	80
2	Glenn	76
2	Lassen	91
2	Modoc	65
2	Nevada	94
2	Placer	94
2	Plumas	37
2	Shasta	94
2	Solano	79
2	Tehama	94
2	Yolo	76
2	Yuba	94
4	Alameda	77
4	Contra Costa	74
4	Monterey	91
4	San Benito	90
4	San Luis Obi	89
4	San Mateo	79
4	Santa Clara	94
4	Santa Cruz	94
5	Amador	94
5	Calaveras	94
5	El Dorado	94
5	Fresno	93
5	Inyo-Mono	53
5	Kern	75
5	Kings	51
5	Madera	93
5	Mariposa	91
5	Merced	75
5	San Joaquin	72
5	Stanislaus	75
5	Tulare	92

5	Tuolumne	94
6	Los Angeles	78
6	Orange	87
6	Riverside	94
6	San Bernardi	91
6	San Diego	90
6	Santa Barbar	75
6	Ventura	77

Table S3. Decadal data from Fig 2 and 3 (log hectares) analysed by year

Note: *r* is presented to indicate direction of change.

USFS	1910–2013			1910–1959			1960–2013		
	r	*P*	*n*	*r*	*P*	*n*	*r*	*P*	*n*
North Coast	–.22	0.027	(104)	–.33	0.021	(50)	.42	0.001	(54)
North Interior	–.13	0.187	(104)	–.35	0.014	(50)	.41	0.002	(54)
Sierra Nevada	.08	0.442	(104)	–.41	0.003	(50)	.51	<0.001	(54)
Central Coast	–.00	0.971	(104)	–.34	0.014	(50)	.24	0.087	(54)
South Coast	.21	0.036	(104)	.01	0.958	(50)	.30	0.028	(54)
Cal Fire									
North Coast	–.67	<0.001	(94)	–.21	0.201	(40)	–.36	0.009	(54)
North Interior	–.49	<0.001	(94)	–.47	0.002	(40)	–.08	0.585	(54)
Sierra Nevada	–.63	<0.001	(94)	–.47	0.002	(40)	–.26	0.074	(54)
Central Coast	–.54	<0.001	(94)	–.46	0.003	(40)	–.04	0.781	(54)
South Coast	.14	0.166	(94)	.16	0.311	(40)	–.44	0.001	(54)

References for supplementary material

Vose RS, Applequist S, Squires M, Durre I, Menne MJ, Williams CN, Jr, Frnimore C, Gleason K, Arndt D (2014) Improved historical temperature and precipitation time series for U.S. climate divisions. *Journal of Applied Meteorology and Climatology* **53**, 1232–1251. doi:10.1175/JAMC-D-13-0248.1