Predictor	Units	Description	Source
Maximum annual snow, SWE_{max}; 1 April SWE, SWE_{Apr1}	mm	Annual maximum snow water equivalent (VIC); 1 April snow water equivalent (OBS)	VIC; MSS
October mean total column soil moisture	mm	Previous October mean value	VIC
Cold season rainfall	mm	Sum of rainfall between 1 October and 31 March	PCIC-OBS
Spring rainfall	mm	Sum of rainfall between days of SWE_{max} (VIC) or SWE_{Apr1} (OBS) and annual maximum streamflow (APF)	PCIC-OBS
APF rainfall	mm	Sum of rainfall from 15 days prior to 5 days after APF	PCIC-OBS
Freezing degree days	°C	Absolute value of sum of negative daily mean $T < 0$ °C from 1 October to 31 March	PCIC-OBS
Spring warming rate	°C day^{-1}	Slope of daily mean T between days of SWE_{max} and T_{max}	PCIC-OBS
Snowmelt rate	mm day^{-1}	Slope of daily SWE between dates of SWE_{max} and APF	VIC
Date of SWE_{max}, $t_{SWE_{max}}$	day	Calendar day of maximum SWE	VIC
Melt season length, SWE_{len}	days	Date of 0.25 SWE_{max} minus date of SWE_{max}	VIC
NINO3.4 index	°C	HadISST1 anomaly over 5° N–5° S and 170–120° W	ESRL/GCOS
PDO index	°C	Leading principal component of monthly SST anomalies in the North Pacific Ocean, poleward of 20° N	JISAO