

Table 1. Description of NorWeST historic and future stream temperature climate scenarios.

Scenario	Description
S1_93_11	Historical composite scenario representing 19 year average August mean stream temperatures for 1993-2011
S2_02_11	Historical composite scenario representing 10 year average August mean stream temperatures for 2002-2011
S3_1993	Historical scenario representing August mean stream temperatures for 1993
S4_1994	Historical scenario representing August mean stream temperatures for 1994
S5_1995	Historical scenario representing August mean stream temperatures for 1995
S6_1996	Historical scenario representing August mean stream temperatures for 1996
S7_1997	Historical scenario representing August mean stream temperatures for 1997
S8_1998	Historical scenario representing August mean stream temperatures for 1998
S9_1999	Historical scenario representing August mean stream temperatures for 1999
S10_2000	Historical scenario representing August mean stream temperatures for 2000
S11_2001	Historical scenario representing August mean stream temperatures for 2001
S12_2002	Historical scenario representing August mean stream temperatures for 2002
S13_2003	Historical scenario representing August mean stream temperatures for 2003
S14_2004	Historical scenario representing August mean stream temperatures for 2004
S15_2005	Historical scenario representing August mean stream temperatures for 2005
S16_2006	Historical scenario representing August mean stream temperatures for 2006
S17_2007	Historical scenario representing August mean stream temperatures for 2007
S18_2008	Historical scenario representing August mean stream temperatures for 2008
S19_2009	Historical scenario representing August mean stream temperatures for 2009
S20_2010	Historical scenario representing August mean stream temperatures for 2010
S21_2011	Historical scenario representing August mean stream temperatures for 2011

S22_PredSE	Standard errors of stream temperature predictions
S23_100C	Future scenario adds 1.00°C to S1_93-11
S24_100CD	Future scenario adds 1.00°C to S1_93-11 but also accounts for differential warming of streams by using historical temperatures to scale temperature increases so that cold streams warm less than warm streams.
S25_200C	Future scenario adds 2.00°C to S1_93-11
S26_200CD	Future scenario adds 2.00°C to S1_93-11 but also accounts for differential warming of streams by using historical temperatures to scale temperature increases so that cold streams warm less than warm streams.
S27_300C	Future scenario adds 3.00°C to S1_93-11
S28_300CD	Future scenario adds 3.00°C to S1_93-11 but also accounts for differential warming of streams by using historical temperatures to scale temperature increases so that cold streams warm less than warm streams.
S29_2040	Future August mean stream temperature scenario based on global climate model ensemble average projected changes in August air temperature and stream discharge for the A1B warming trajectory in the 2040s (2030-2059). Future stream deltas are identical at all sites within a NorWeST unit.
S30_2040D	Future August mean stream temperature scenario based on global climate model ensemble average projected changes in August air temperature and stream discharge for the A1B warming trajectory in the 2040s (2030-2059). Future stream deltas within a NorWeST unit account for differential sensitivity among streams so that cold streams warm less than warm streams.
S31_2080	Future August mean stream temperature scenario based on global climate model ensemble average projected changes in August air temperature and stream discharge for the A1B warming trajectory in the 2080s (2070-2099). Future stream deltas are identical at all sites within a NorWeST unit.
S32_2080D	Future August mean stream temperature scenario based on global climate model ensemble average projected changes in August air temperature and stream discharge for the A1B warming trajectory in the 2080s (2070-2099). Future stream deltas within a NorWeST unit account for differential sensitivity among streams so that cold streams warm less than warm streams.
S33_2012	Historical scenario representing August mean stream temperatures for 2012
S34_2013	Historical scenario representing August mean stream temperatures for 2013
S35_2014	Historical scenario representing August mean stream temperatures for 2014

S36_2015	Historical scenario representing August mean stream temperatures for 2015
S37_9311M	Historical composite scenario representing 19 year average Maximum Weekly Maximum Temperature (MWMT or 7DADM) for 1993-2011
S38_2040M	Future Maximum Weekly Maximum Temperature (MWMT or 7DADM) stream scenario based on global climate model ensemble average projected changes for the A1B warming trajectory in the 2040s (2030-2059). Future stream deltas are identical at all sites within a NorWeST unit.
S39_2040DM	Future Maximum Weekly Maximum Temperature (MWMT or 7DADM) stream scenario based on global climate model ensemble average projected changes for the A1B warming trajectory in the 2040s (2030-2059). Future stream deltas within a NorWeST unit account for differential sensitivity among streams so that cold streams warm less than warm streams.
S40_2080M	Future Maximum Weekly Maximum Temperature (MWMT or 7DADM) stream scenario based on global climate model ensemble average projected changes for the A1B warming trajectory in the 2080s (2070-2099). Future stream deltas are identical at all sites within a NorWeST unit.
S41_2080DM	Future Maximum Weekly Maximum Temperature (MWMT or 7DADM) stream scenario based on global climate model ensemble average projected changes for the A1B warming trajectory in the 2080s (2070-2099). Future stream deltas within a NorWeST unit account for differential sensitivity among streams so that cold streams warm less than warm streams.

*for details regarding scenario development, see the “Modeling procedures” metadata document at the NorWeST website.