11. Cumulative degree days summary results for Snake River Fall Chinook Salmon under year 2017 temperatures for the Columbia River

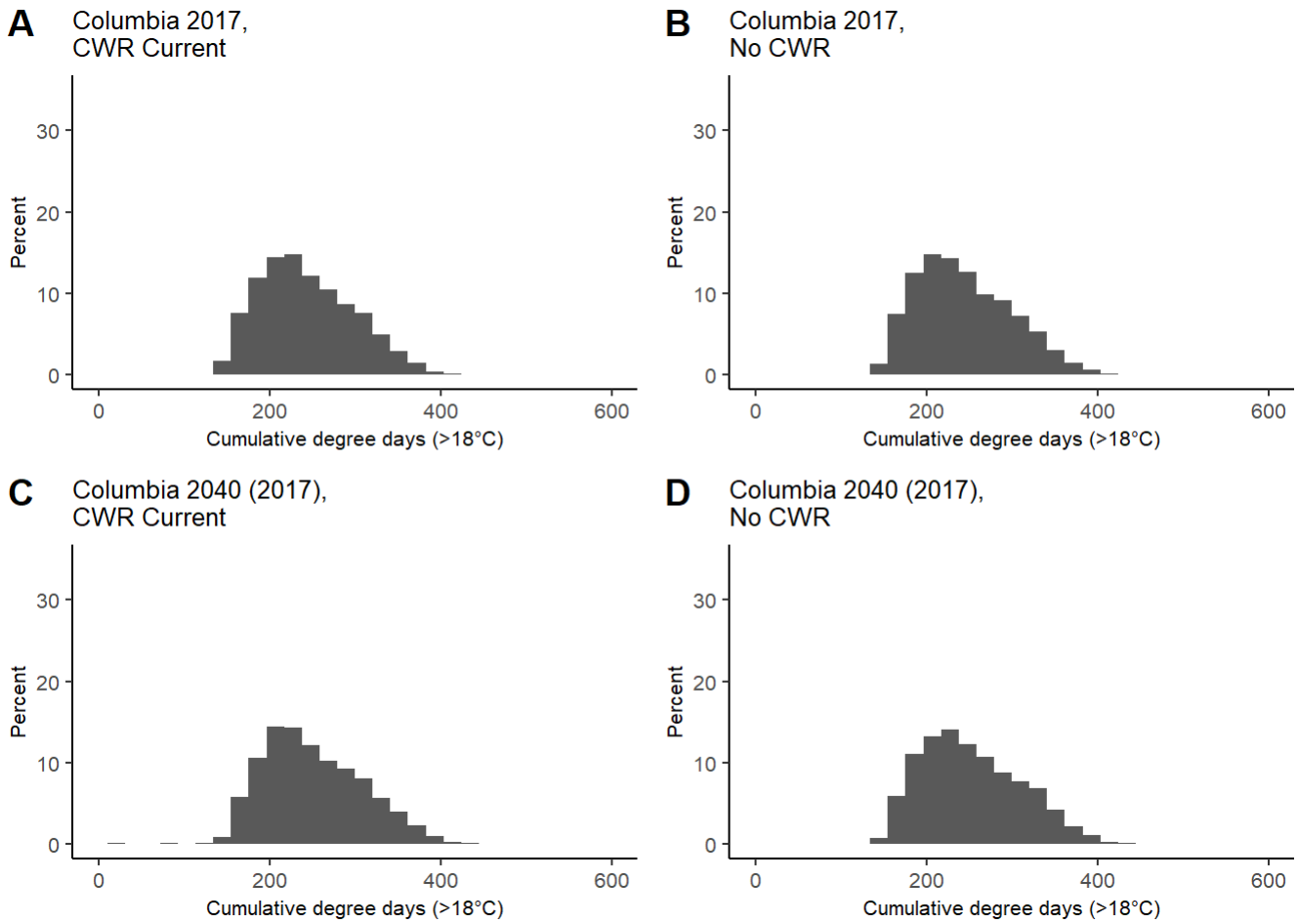

Fig. 11.1 Histograms of modeled Snake River fall chinook accumulated degrees day over 18°C from Bonneville to the Snake River confluence in the Columbia River.

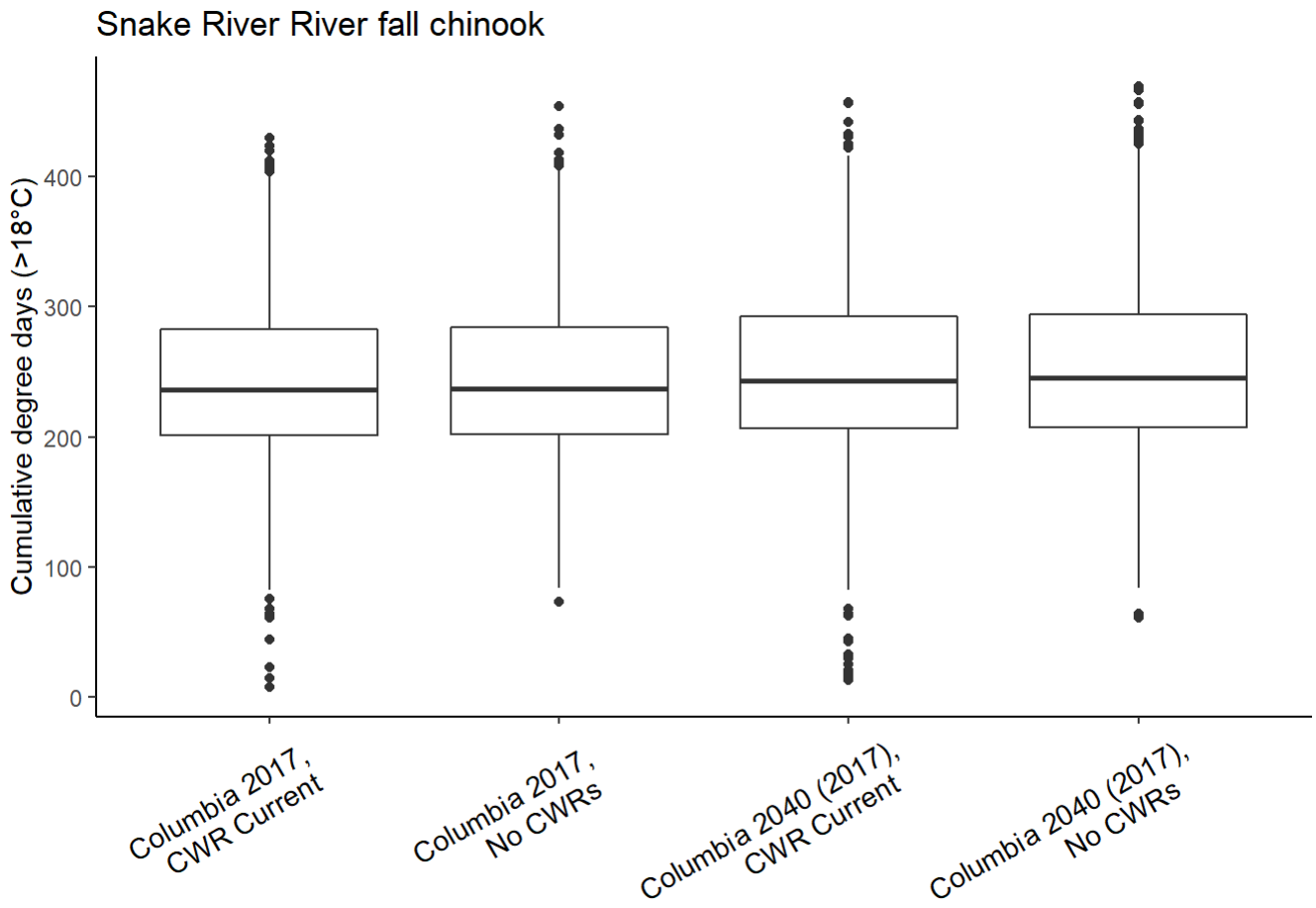

Fig. 11.2 Boxplots of modeled Snake River fall chinook accumulated degrees day over 18°C from Bonneville to the Snake River confluence in the Columbia River.

Table 11.1 Cumulative degree days (>18°C) used across different HexSim thermalscapes summarized for Snake River River fall chinook.

Scenario	Minimum	25% quantile	Median	75% quantile	Maximum
Columbia 2017, CWR Current	8	202	237	283	430
Columbia 2017, No CWR	73	202	237	284	454
Columbia 2040 (2017), CWR Current	13	207	243	293	458
Columbia 2040 (2017), No CWR	61	207	245	295	470

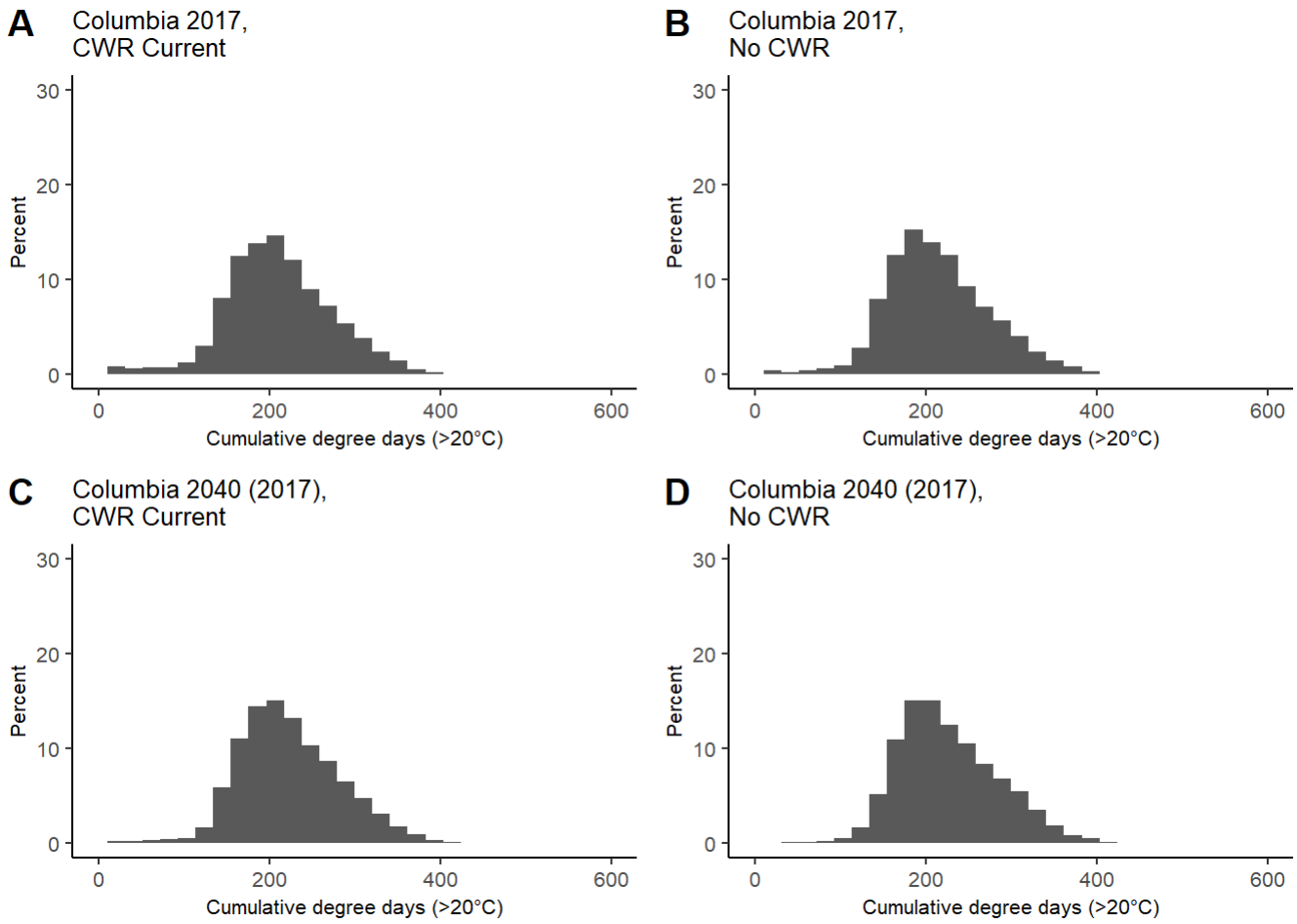

Fig. 11.3 Histograms of modeled Snake River fall chinook accumulated degrees day over 18°C from Bonneville to the Snake River confluence in the Columbia River.

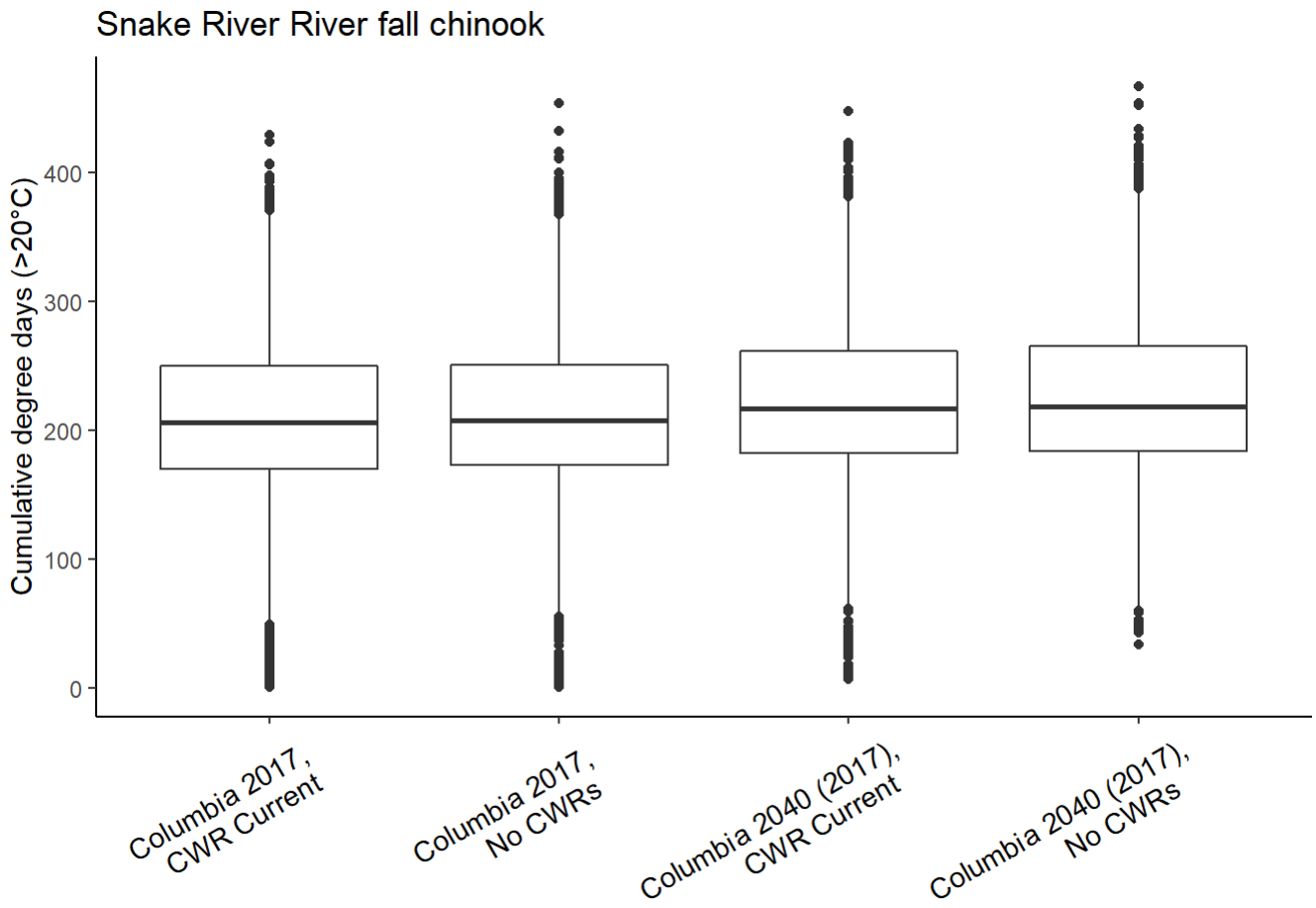

Fig. 11.4 Boxplots of modeled Snake River fall chinook accumulated degrees day over 18°C from Bonneville to the Snake River confluence in the Columbia River.

Table 11.2 Cumulative degree days (>20°C) used across different HexSim thermalscapes summarized for Snake River River fall chinook.

Scenario	Minimum	25% quantile	Median	75% quantile	Maximum
Columbia 2017, CWR Current	1	170	206	250	429
Columbia 2017, No CWR	1	173	208	251	454
Columbia 2040 (2017), CWR Current	7	183	217	262	448
Columbia 2040 (2017), No CWR	33	184	219	265	467

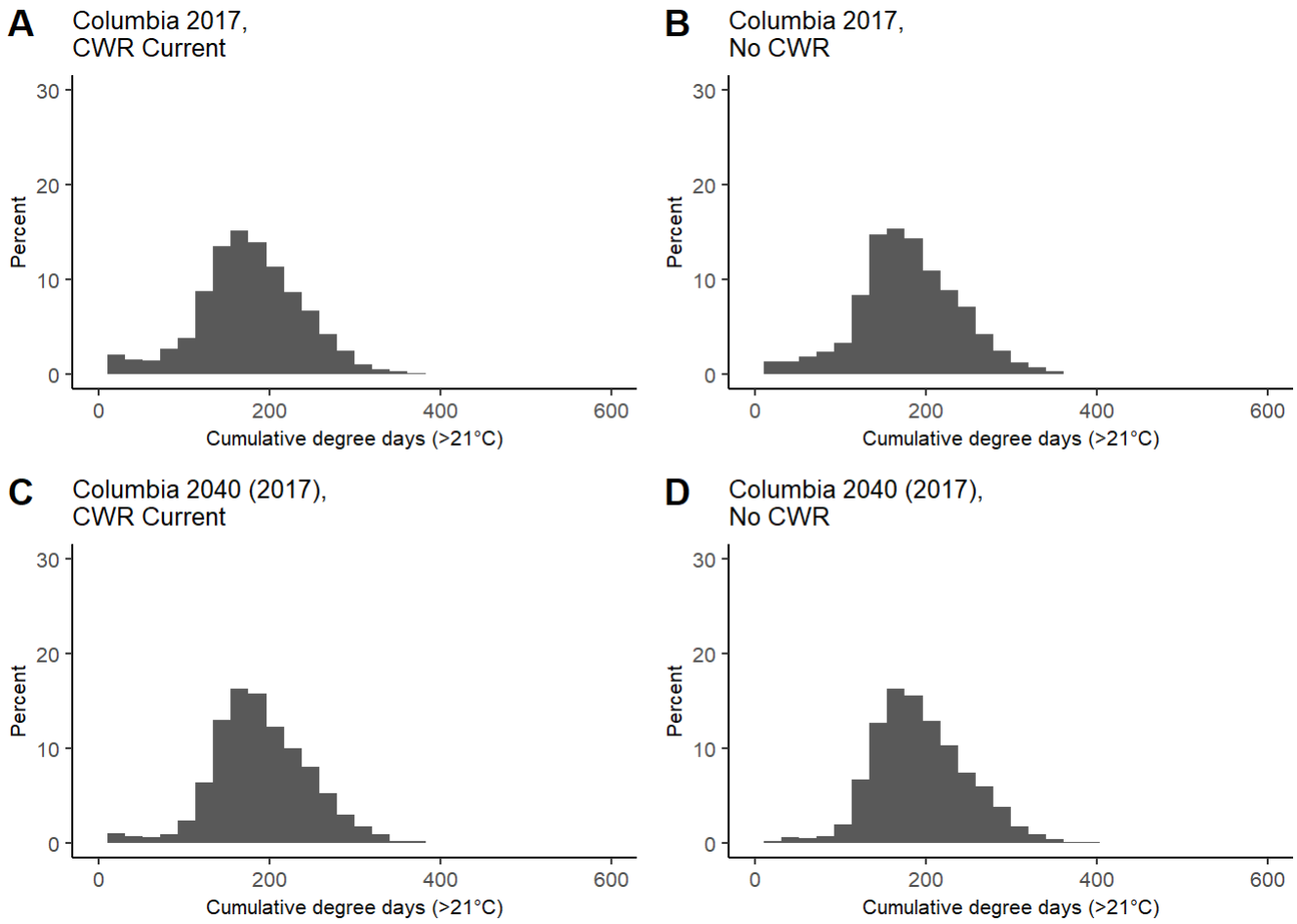

Fig. 11.5 Histograms of modeled Snake River fall chinook accumulated degrees day over 21°C from Bonneville to the Snake River confluence in the Columbia River.

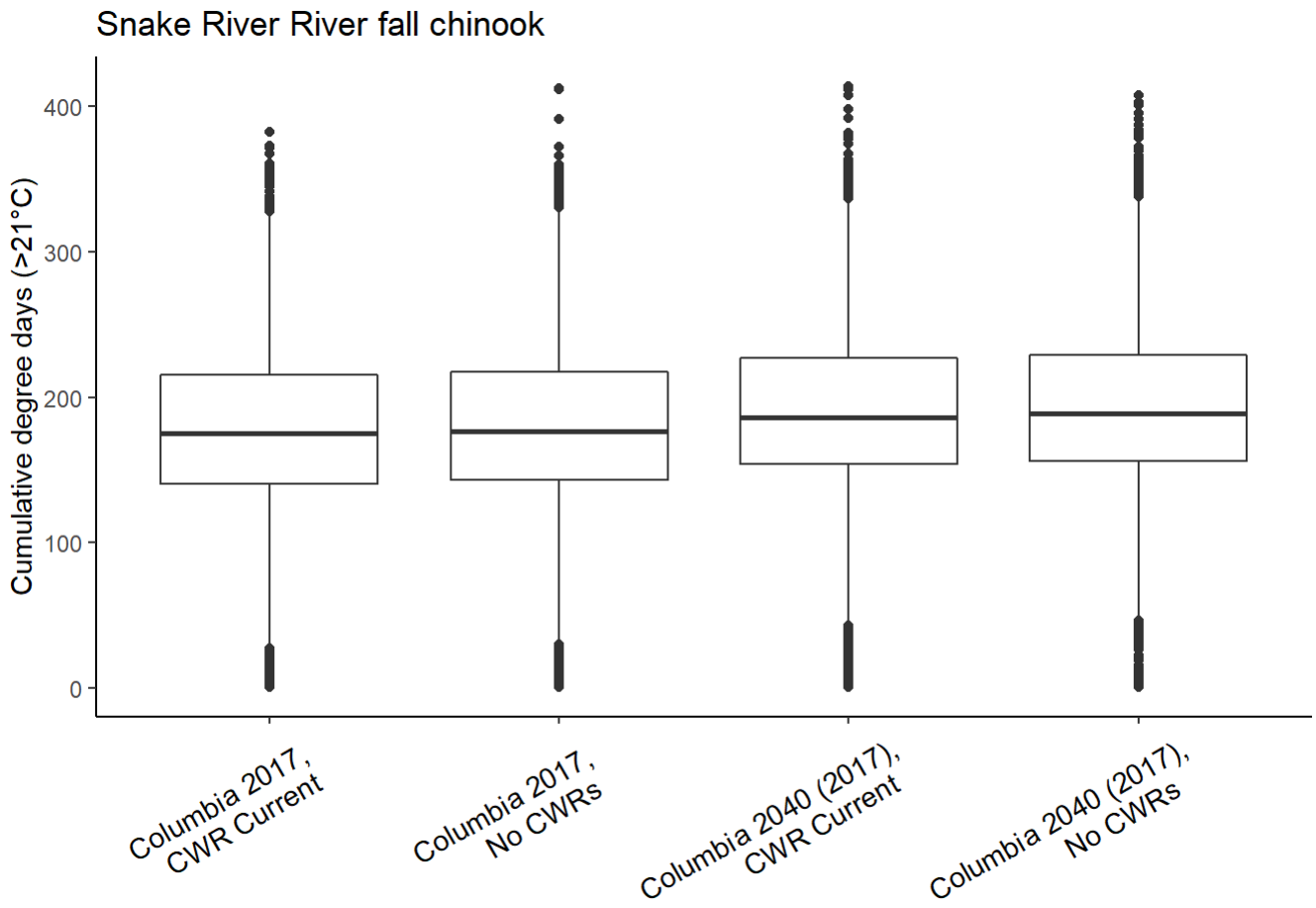

Fig. 11.6 Boxplots of modeled Snake River fall chinook accumulated degrees day over 21°C from Bonneville to the Snake River confluence in the Columbia River.

Table 11.3 Cumulative degree days (>21°C) used across different HexSim thermalscapes summarized for Snake River River fall chinook.

Scenario	Minimum	25% quantile	Median	75% quantile	Maximum
Columbia 2017, CWR Current	1	140	175	215	383
Columbia 2017, No CWR	1	143	177	218	412
Columbia 2040 (2017), CWR Current	1	154	186	227	414
Columbia 2040 (2017), No CWR	1	156	188	229	408

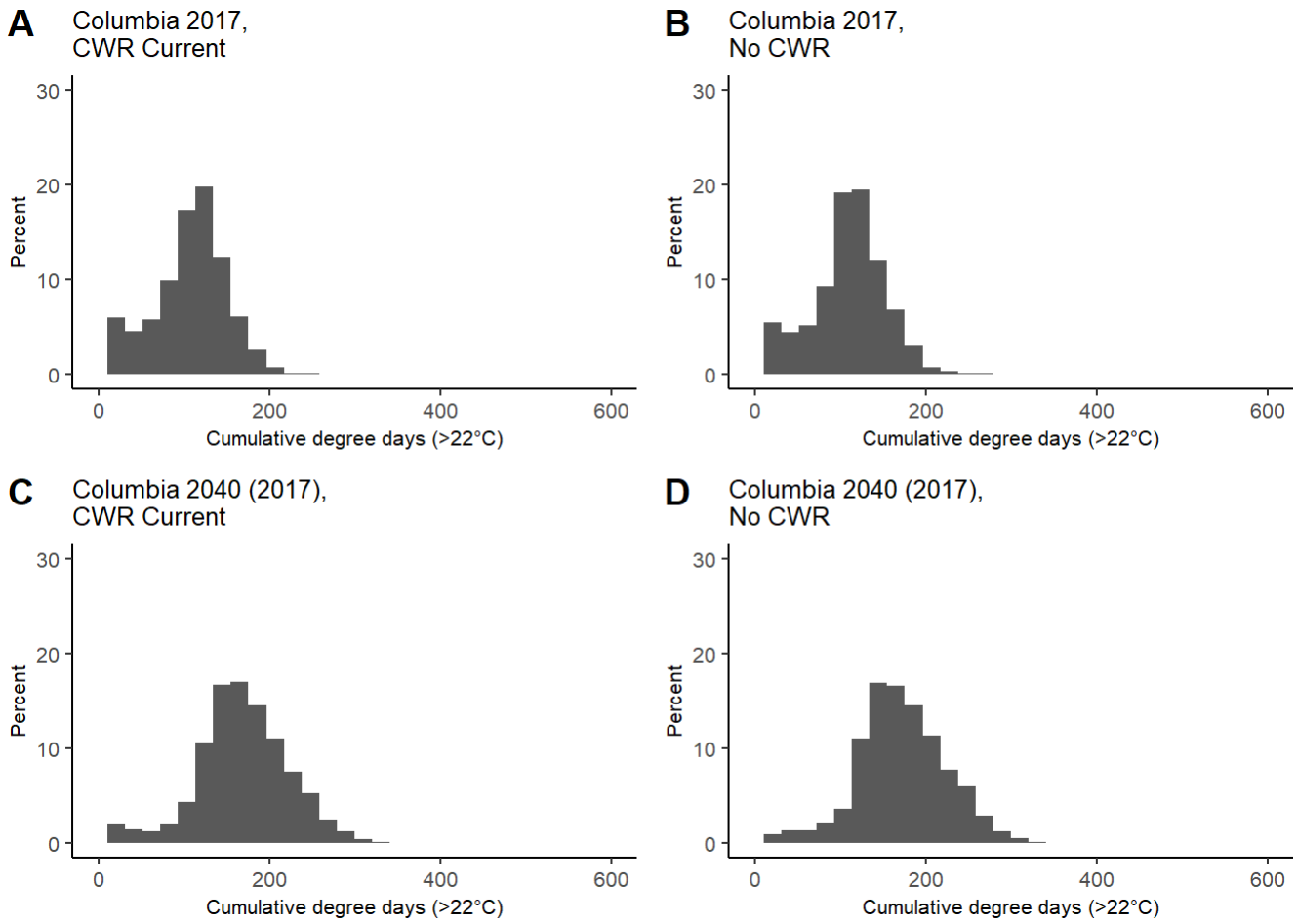

Fig. 11.7 Histograms of modeled Snake River fall chinook accumulated degrees day over 22°C from Bonneville to the Snake River confluence in the Columbia River.

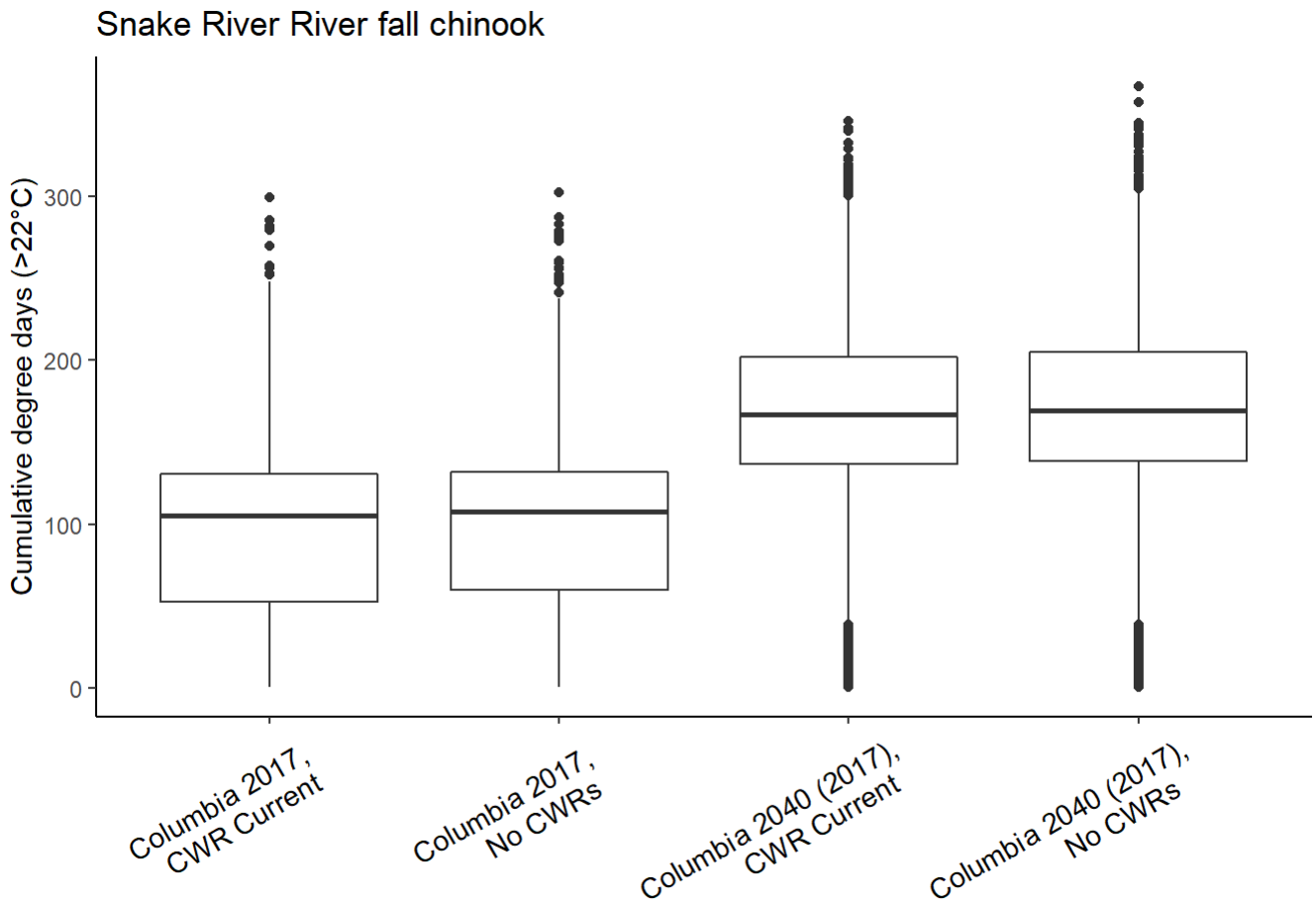

Fig. 11.8 Boxplots of modeled Snake River fall chinook accumulated degrees day over 22°C from Bonneville to the Snake River confluence in the Columbia River.

Table 11.4 Cumulative degree days (>22°C) used across different HexSim thermalscapes summarized for Snake River River fall chinook.

Scenario	Minimum	25% quantile	Median	75% quantile	Maximum
Columbia 2017, CWR Current	1	52	106	131	299
Columbia 2017, No CWR	1	60	108	132	302
Columbia 2040 (2017), CWR Current	1	137	167	202	346
Columbia 2040 (2017), No CWR	1	139	169	205	367