

5. Cumulative degree days summary results for Snake River Fall Chinook Salmon under long-term average temperatures for the Columbia River

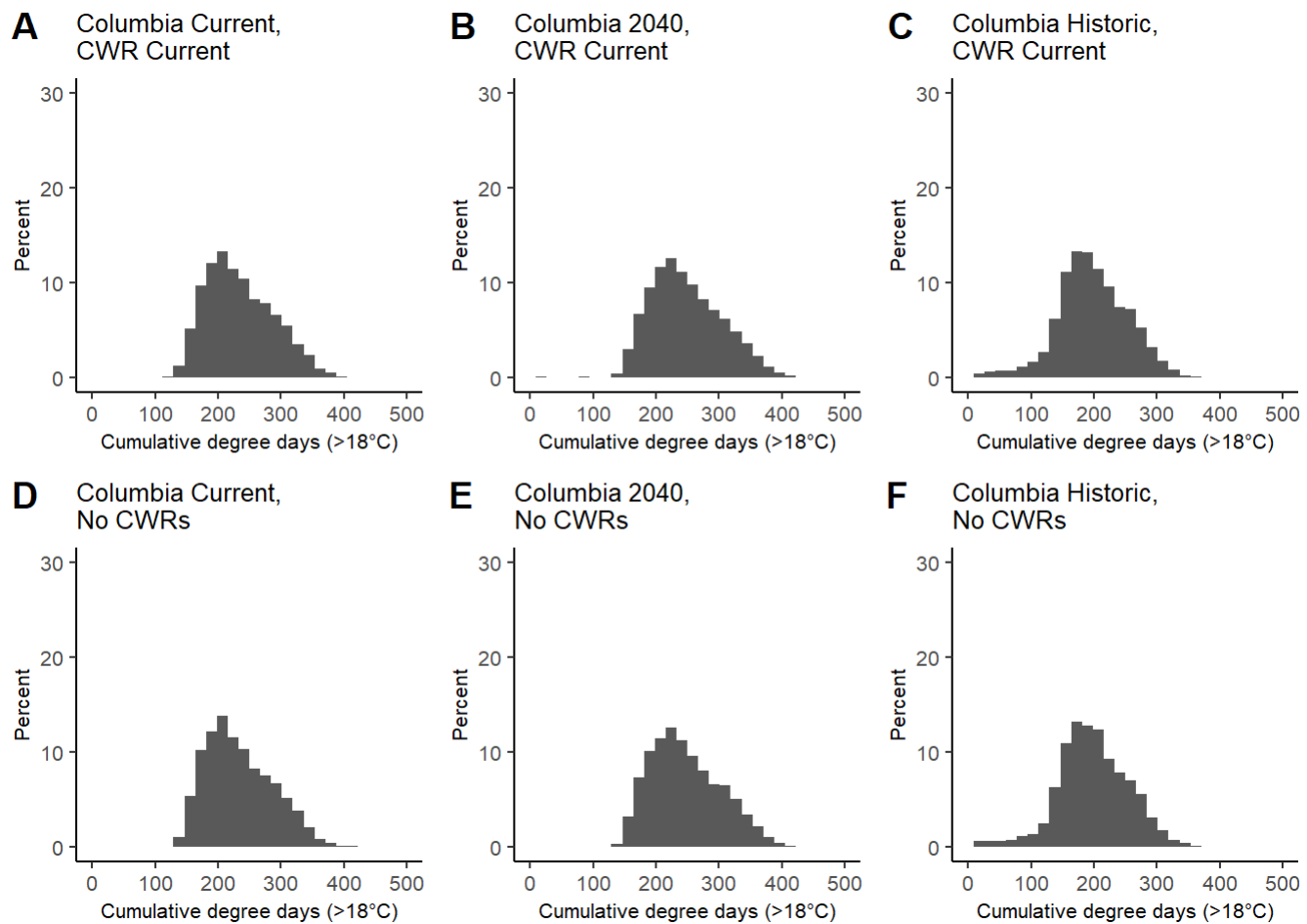


Fig. 5.1 Histograms of modeled Snake River fall Chinook accumulated degrees day over 18°C from Bonneville to the Snake River confluence in the Columbia River.

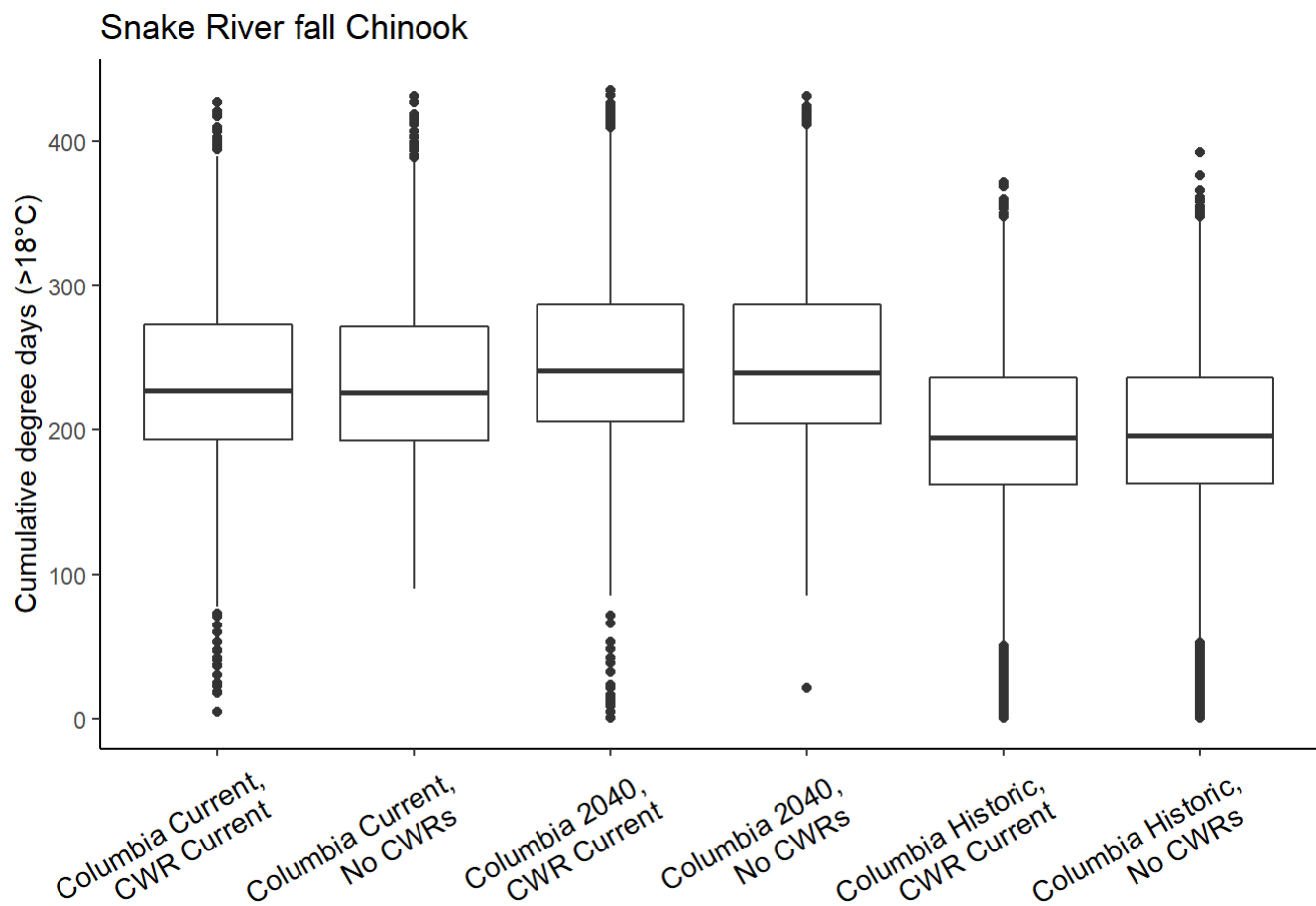


Fig. 5.2 Boxplots of modeled Snake River fall Chinook accumulated degrees day over 18°C from Bonneville to the Snake River confluence in the Columbia River.

Table 5.1 Cumulative degree days (>18°C) used across different HexSim thermalscapes summarized for Snake River fall Chinook.

Scenario	Minimum	25% quantile	Median	75% quantile	Maximum
Columbia 2040, CWR Current	1	205	241	287	435
Columbia Historic, CWR Current	1	162	194	236	371
Columbia Current, CWR Current	5	193	227	273	427
Columbia 2040, No CWRs	21	204	240	287	431
Columbia Historic, No CWRs	1	163	196	236	393
Columbia Current, No CWRs	90	193	226	271	431

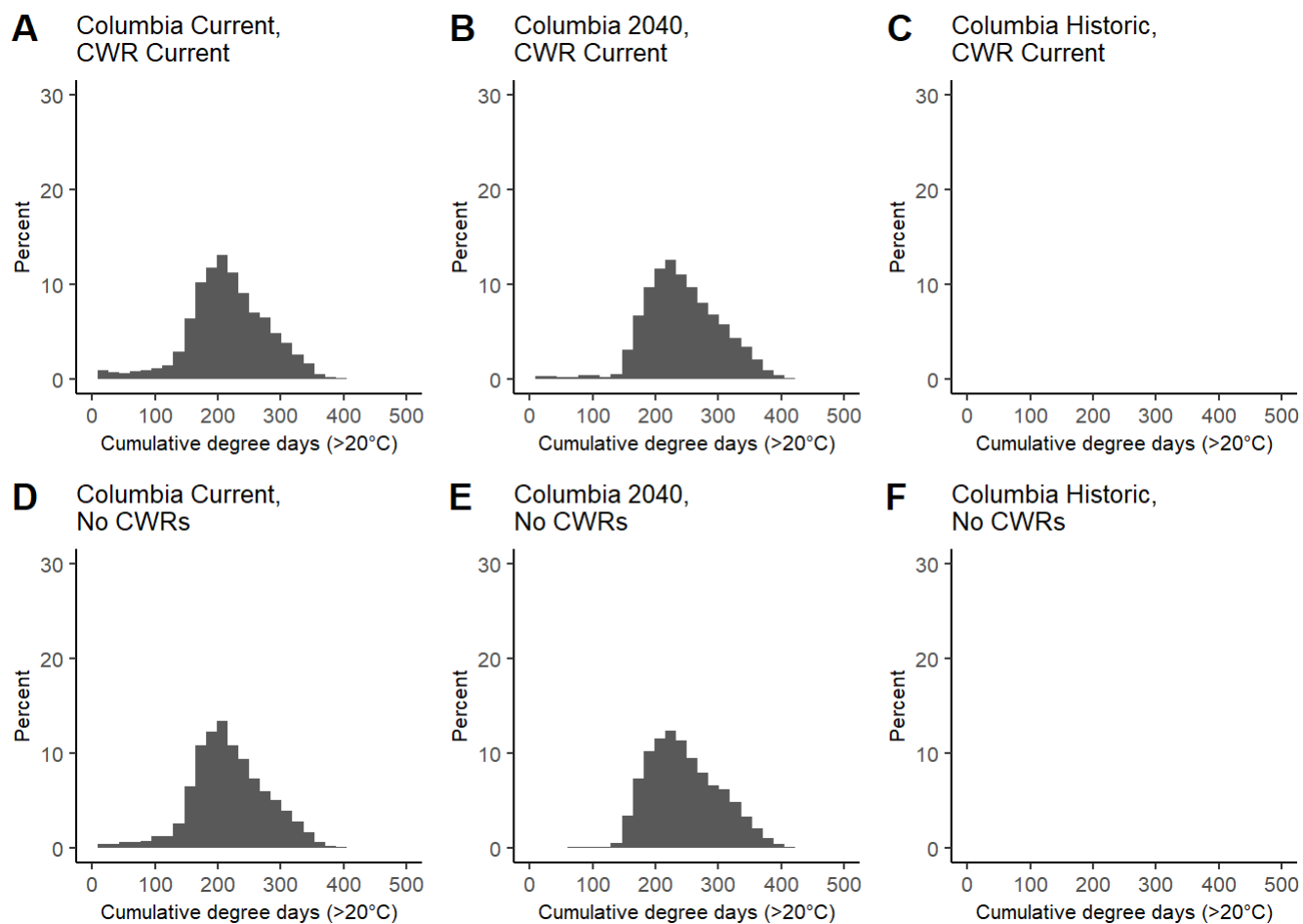


Fig. 5.3 Histograms of modeled Snake River fall Chinook accumulated degrees day over 20°C from Bonneville to the Snake River confluence in the Columbia River.

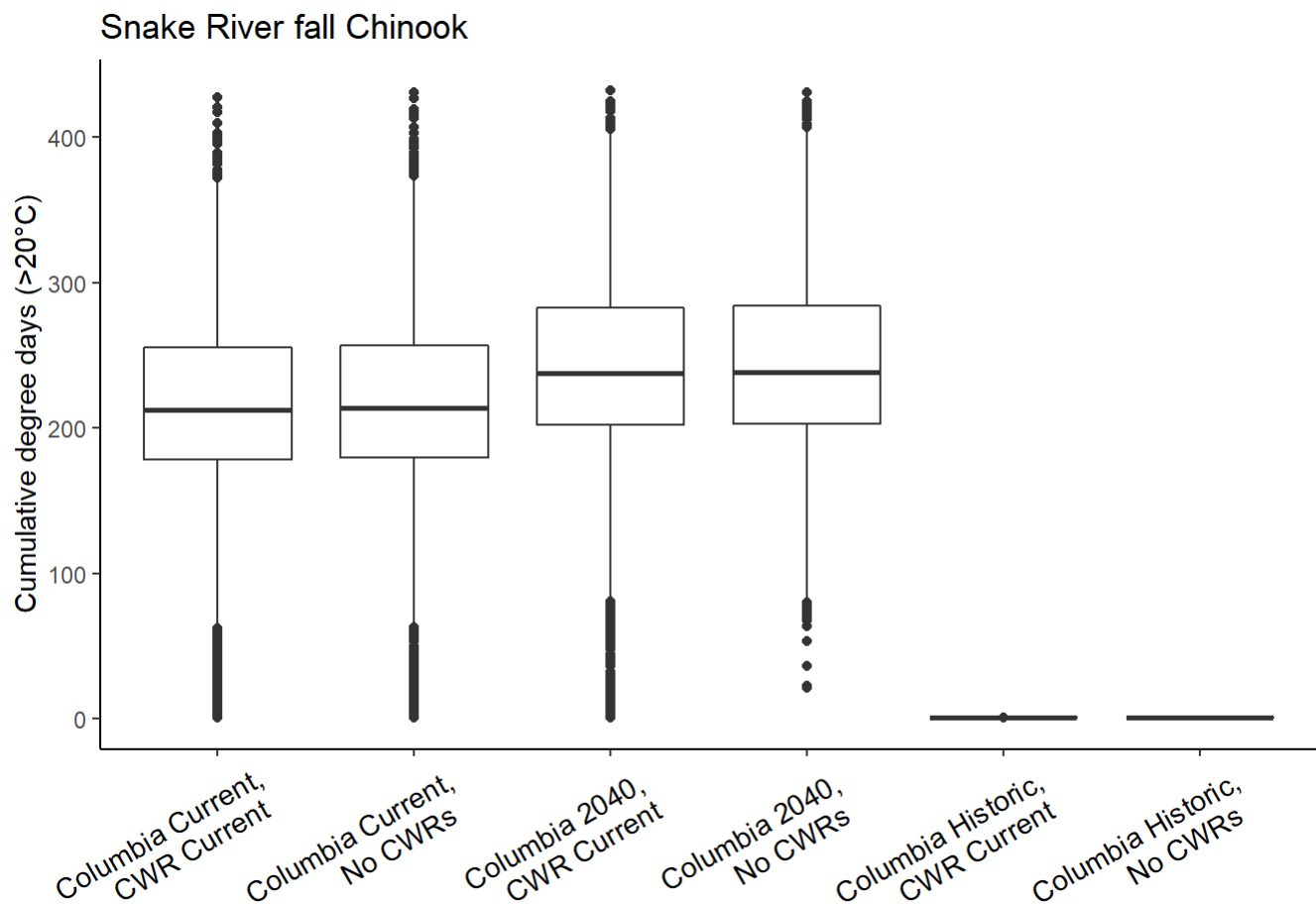


Fig. 5.4 Boxplots of modeled Snake River fall Chinook accumulated degrees day over 20°C from Bonneville to the Snake River confluence in the Columbia River.

Table 5.2 Cumulative degree days (>20°C) used across different HexSim thermalscapes summarized for Snake River fall Chinook.

Scenario	Minimum	25% quantile	Median	75% quantile	Maximum
Columbia 2040, CWR Current	1	202	238	283	432
Columbia Historic, CWR Current	1	1	1	1	1
Columbia Current, CWR Current	1	178	212	256	427
Columbia 2040, No CWRs	21	203	238	284	431
Columbia Historic, No CWRs	1	1	1	1	1
Columbia Current, No CWRs	1	179	214	257	431

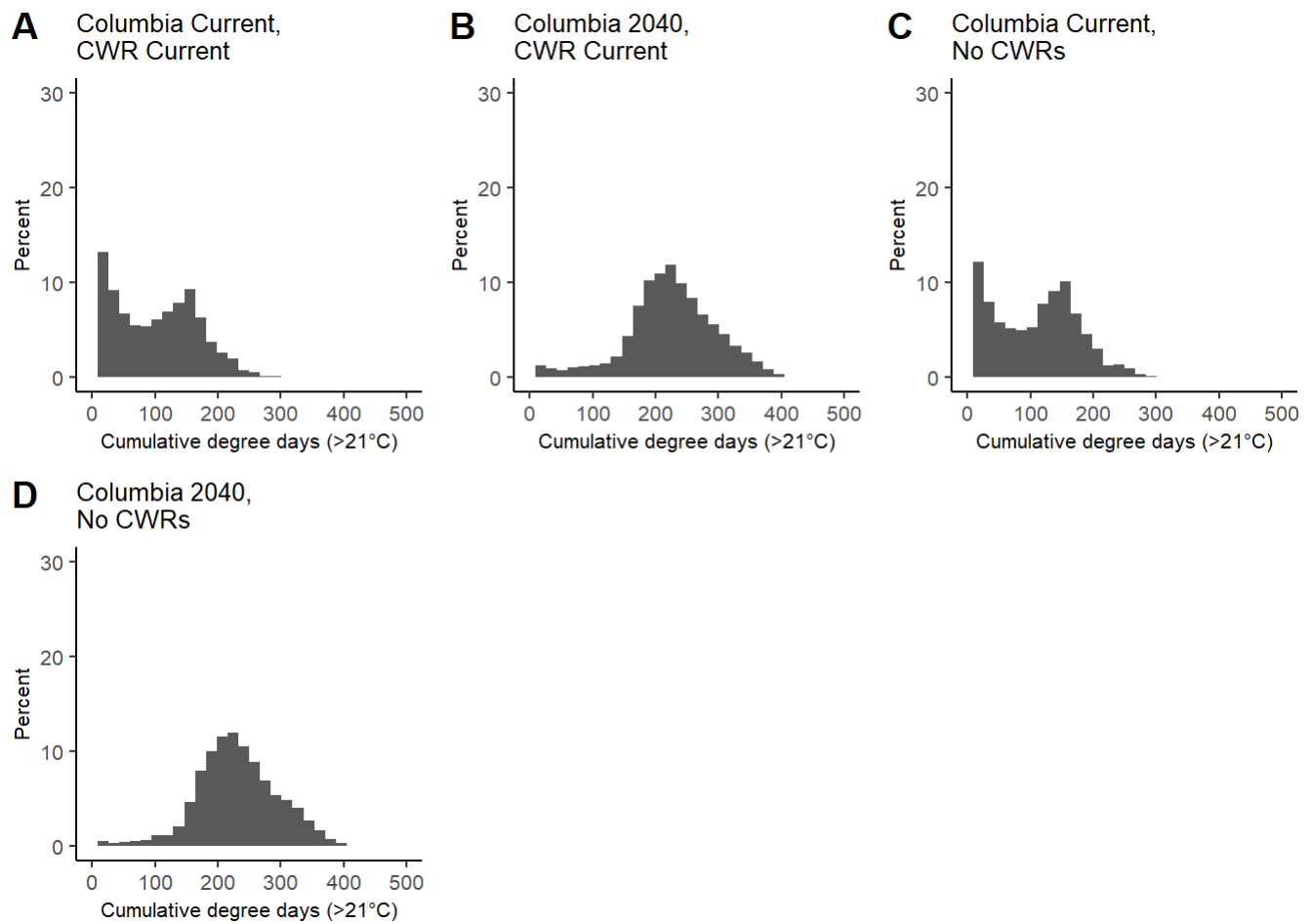


Fig. 5.5 Histograms of modeled Snake River fall Chinook accumulated degrees day over 21°C from Bonneville to the Snake River confluence in the Columbia River.

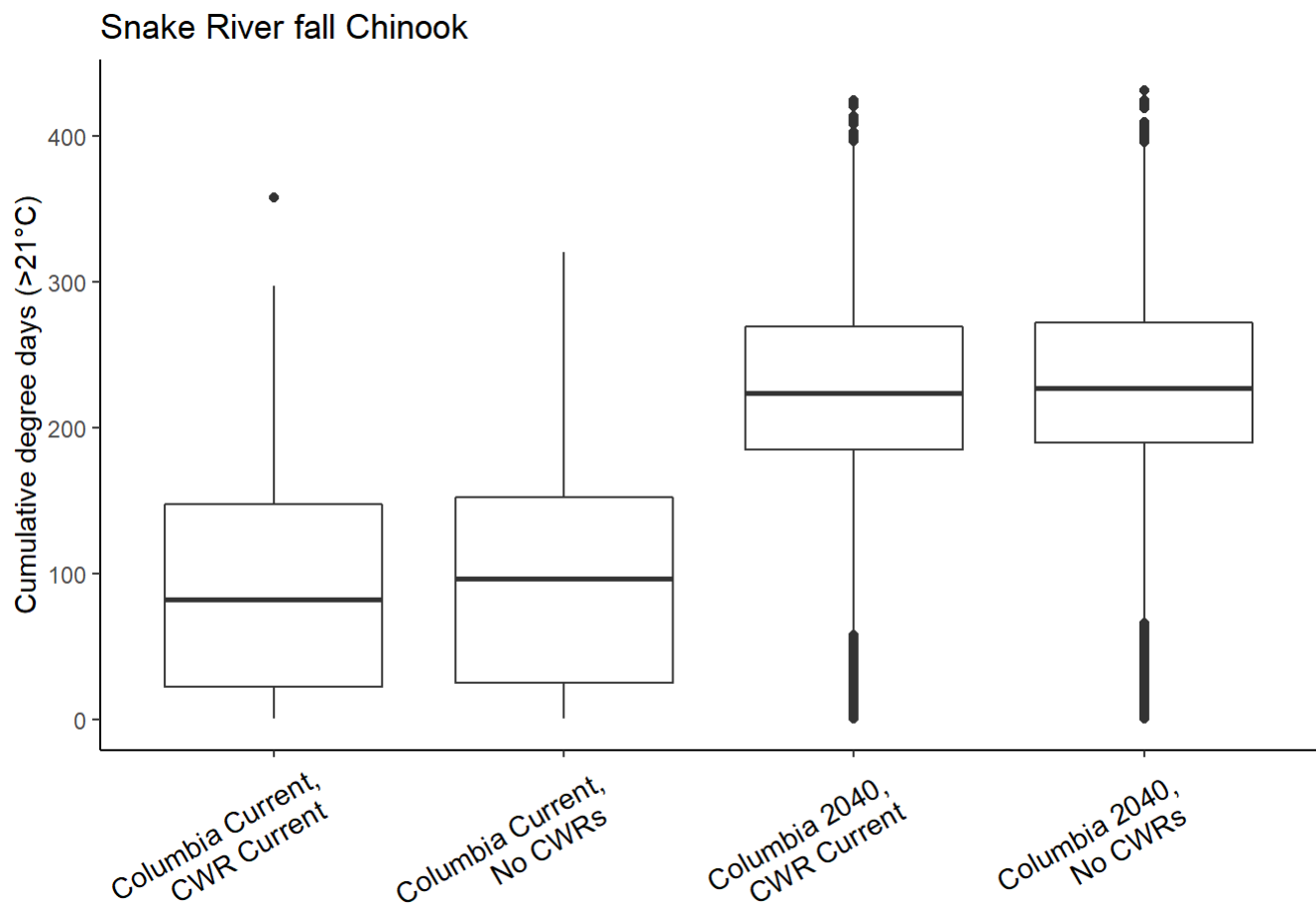


Fig. 5.6 Boxplots of modeled Snake River fall Chinook accumulated degrees day over 21°C from Bonneville to the Snake River confluence in the Columbia River.

Table 5.3 Cumulative degree days (>21°C) used across different HexSim thermalscapes summarized for Snake River fall Chinook.

Scenario	Minimum	25% quantile	Median	75% quantile	Maximum
Columbia 2040, CWR Current	1	185	224	269	425
Columbia Current, CWR Current	1	23	83	148	358
Columbia 2040, No CWRs	1	190	227	272	431
Columbia Current, No CWRs	1	25	97	153	320

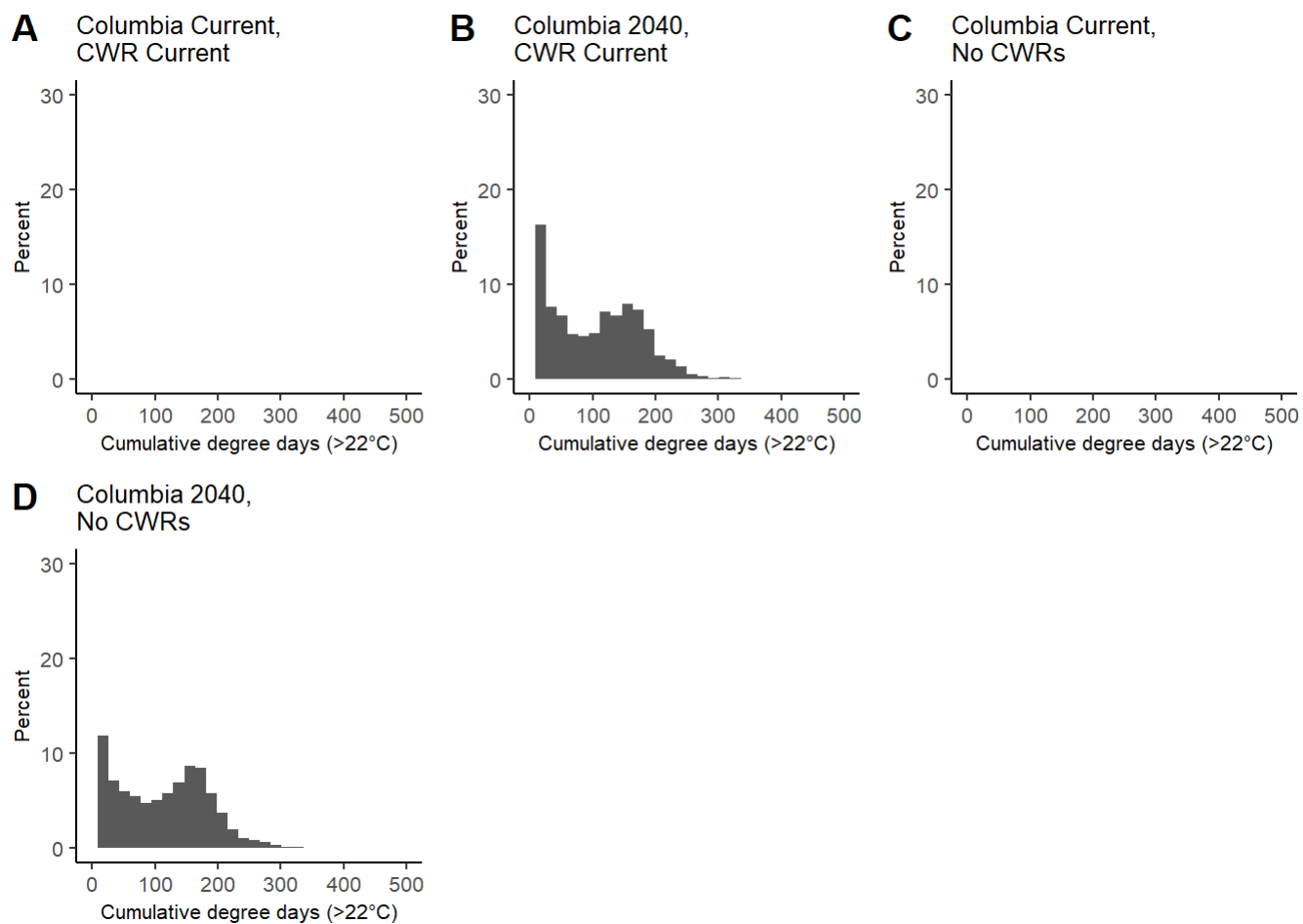


Fig. 5.7 Histograms of modeled Snake River fall Chinook accumulated degrees day over 22°C from Bonneville to the Snake River confluence in the Columbia River.

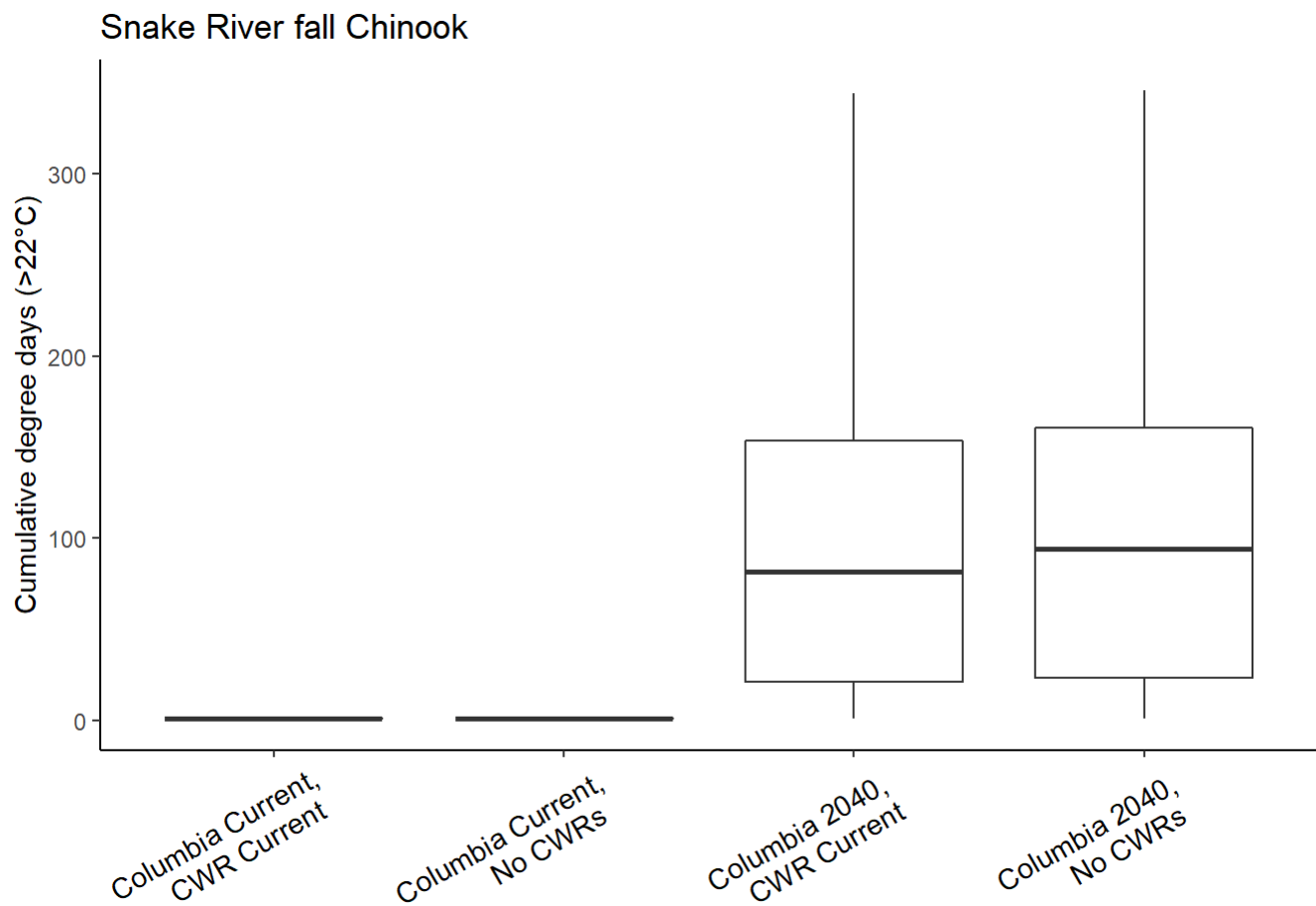


Fig. 5.8 Boxplots of modeled Snake River fall Chinook accumulated degrees day over 22°C from Bonneville to the Snake River confluence in the Columbia River.

Table 5.4 Cumulative degree days (>22°C) used across different HexSim thermalscapes summarized for Snake River fall Chinook.

Scenario	Minimum	25% quantile	Median	75% quantile	Maximum
Columbia 2040, CWR Current	1	21	81	153	344
Columbia Current, CWR Current	1	1	1	1	1
Columbia 2040, No CWRs	1	23	94	161	346
Columbia Current, No CWRs	1	1	1	1	1