

## 16. Cumulative degree days summary results for Snake River Fall Chinook Salmon under year 2017 temperatures for the Columbia River with simulated additional coldwater refuges

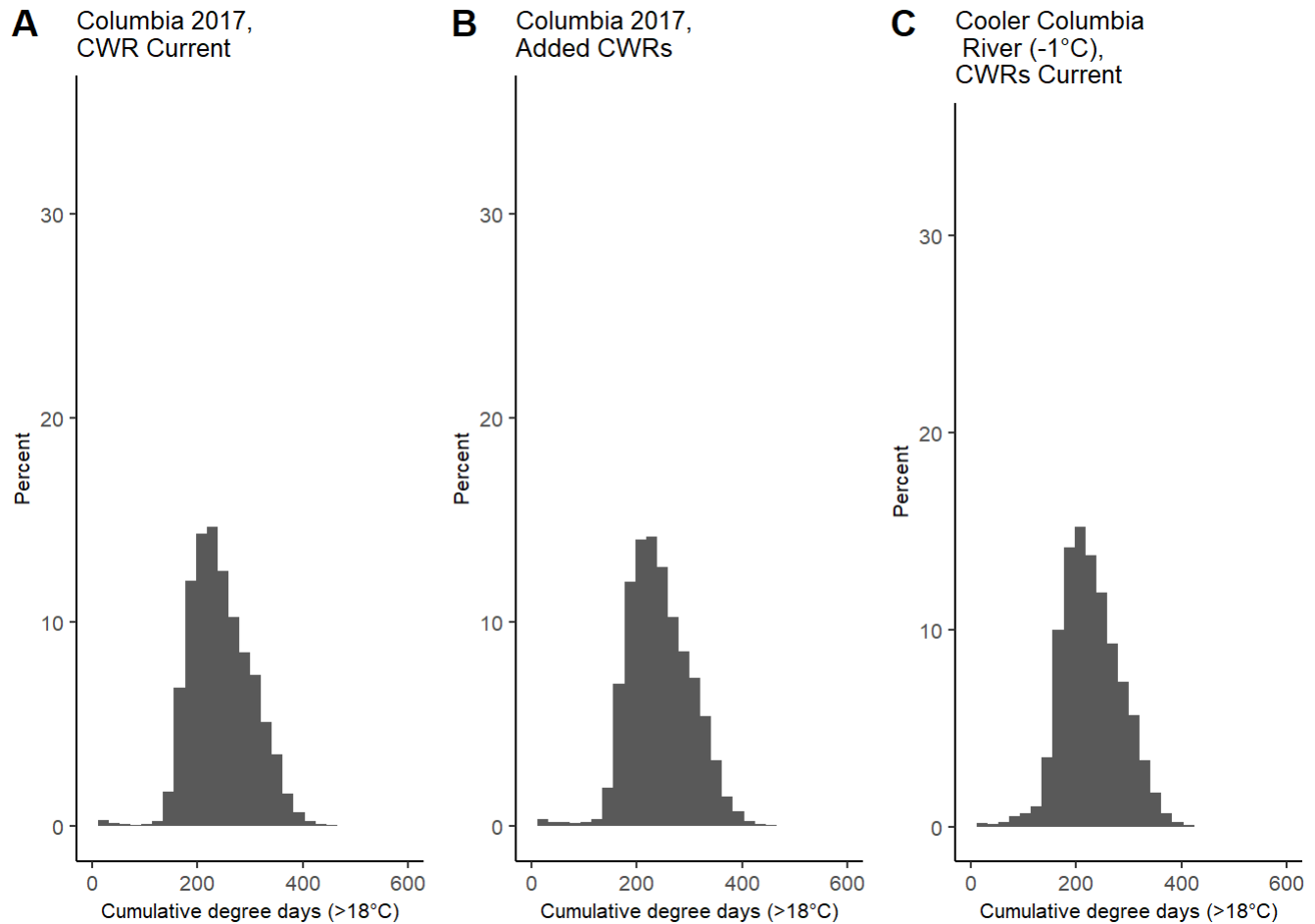


Fig. 16.1 Histograms of modeled Snake River Fall Chinook Salmon accumulated degrees day over 18°C from Bonneville to the Snake River confluence in the Columbia River.

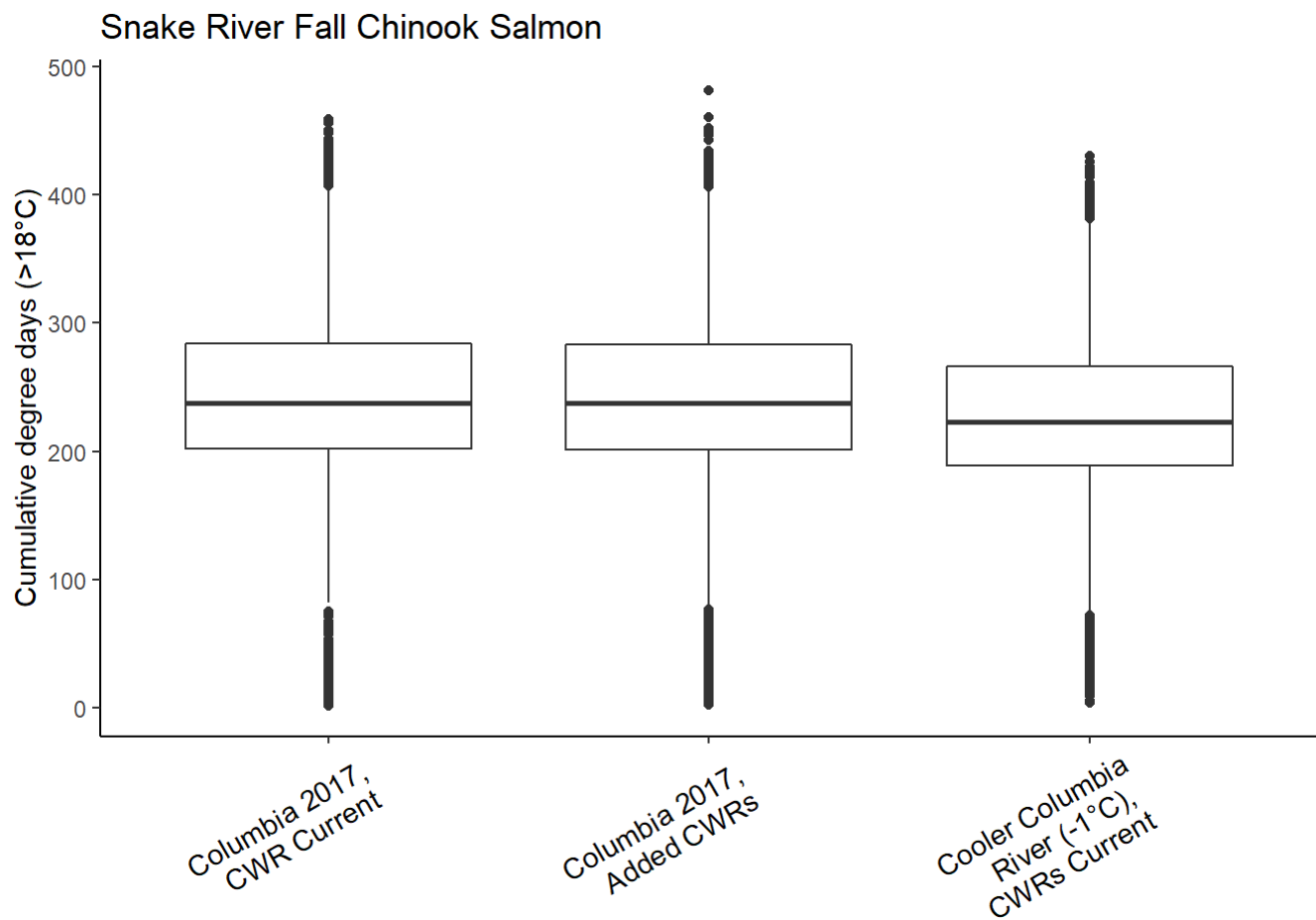


Fig. 16.2 Boxplots of modeled Snake River Fall Chinook Salmon accumulated degrees day over 18°C from Bonneville to the Snake River confluence in the Columbia River.

Table 16.1 Cumulative degree days (>18°C) used across different HexSim thermalscapes summarized for Snake River Fall Chinook Salmon.

Scenario	Minimum	25% quantile	Median	75% quantile	Maximum
Columbia 2017, CWR Current	2	202	238	284	459
Cooler Columbia River (-1°C), CWRs Current	3	189	223	266	431
Columbia 2017, Added CWRs	2	201	237	283	482

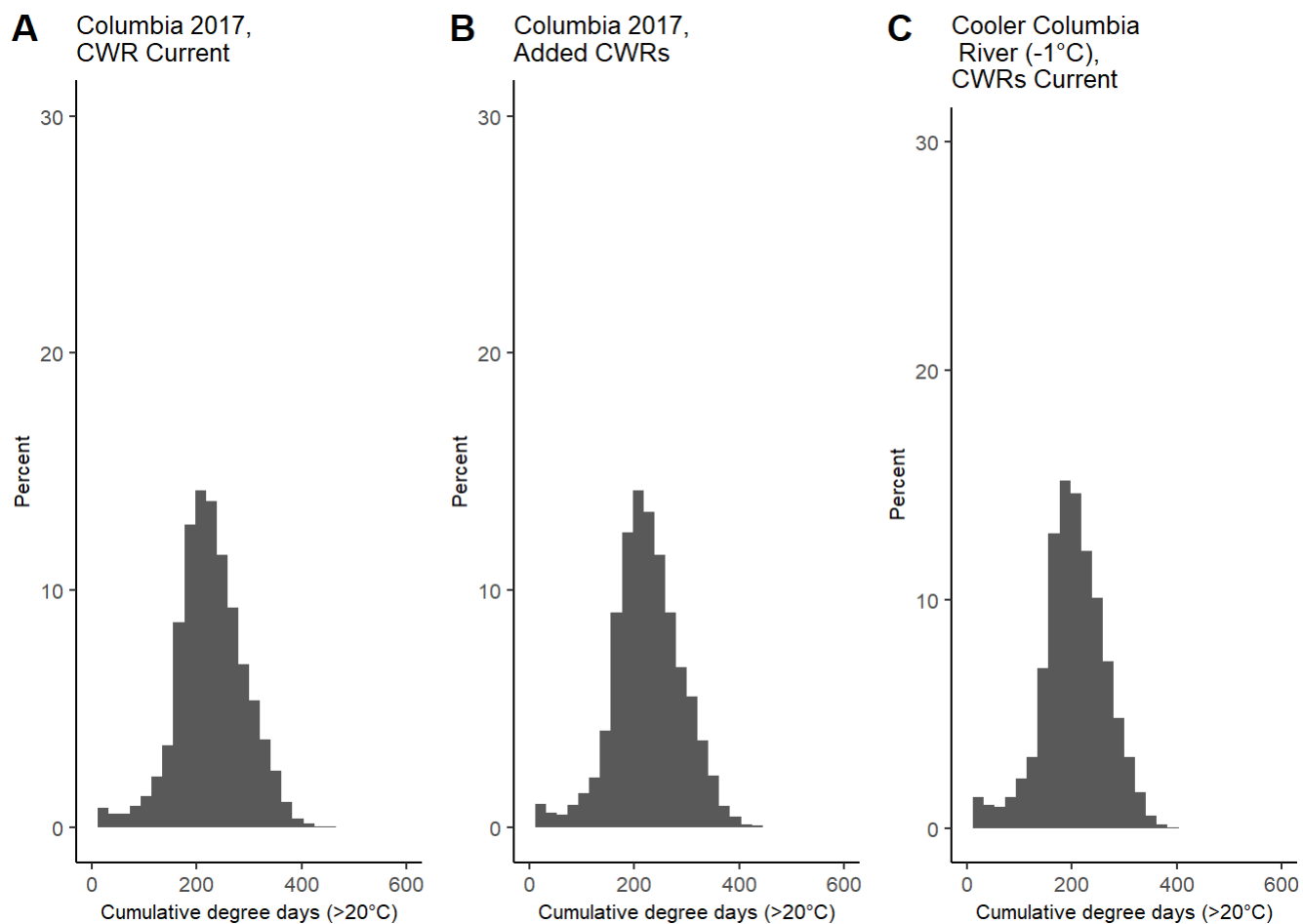


Fig. 16.3 Histograms of modeled Snake River Fall Chinook Salmon accumulated degrees day over 18°C from Bonneville to the Snake River confluence in the Columbia River.

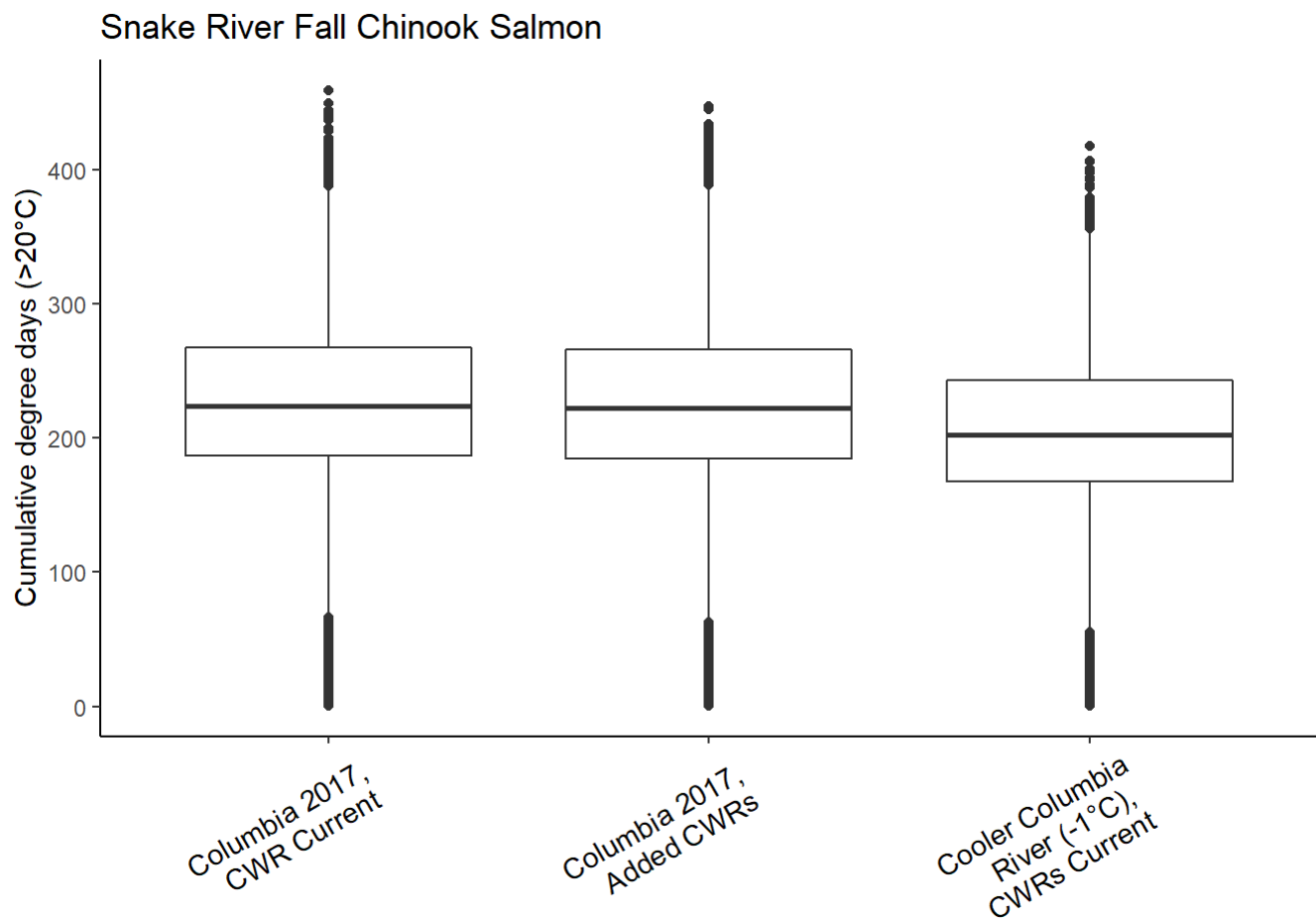


Fig. 16.4 Boxplots of modeled Snake River Fall Chinook Salmon accumulated degrees day over 18°C from Bonneville to the Snake River confluence in the Columbia River.

Table 16.2 Cumulative degree days (>20°C) used across different HexSim thermalscapes summarized for Snake River Fall Chinook Salmon.

Scenario	Minimum	25% quantile	Median	75% quantile	Maximum
Columbia 2017, CWR Current	1	187	224	267	459
Cooler Columbia River (-1°C), CWRs Current	1	168	203	243	417
Columbia 2017, Added CWRs	1	185	222	266	447

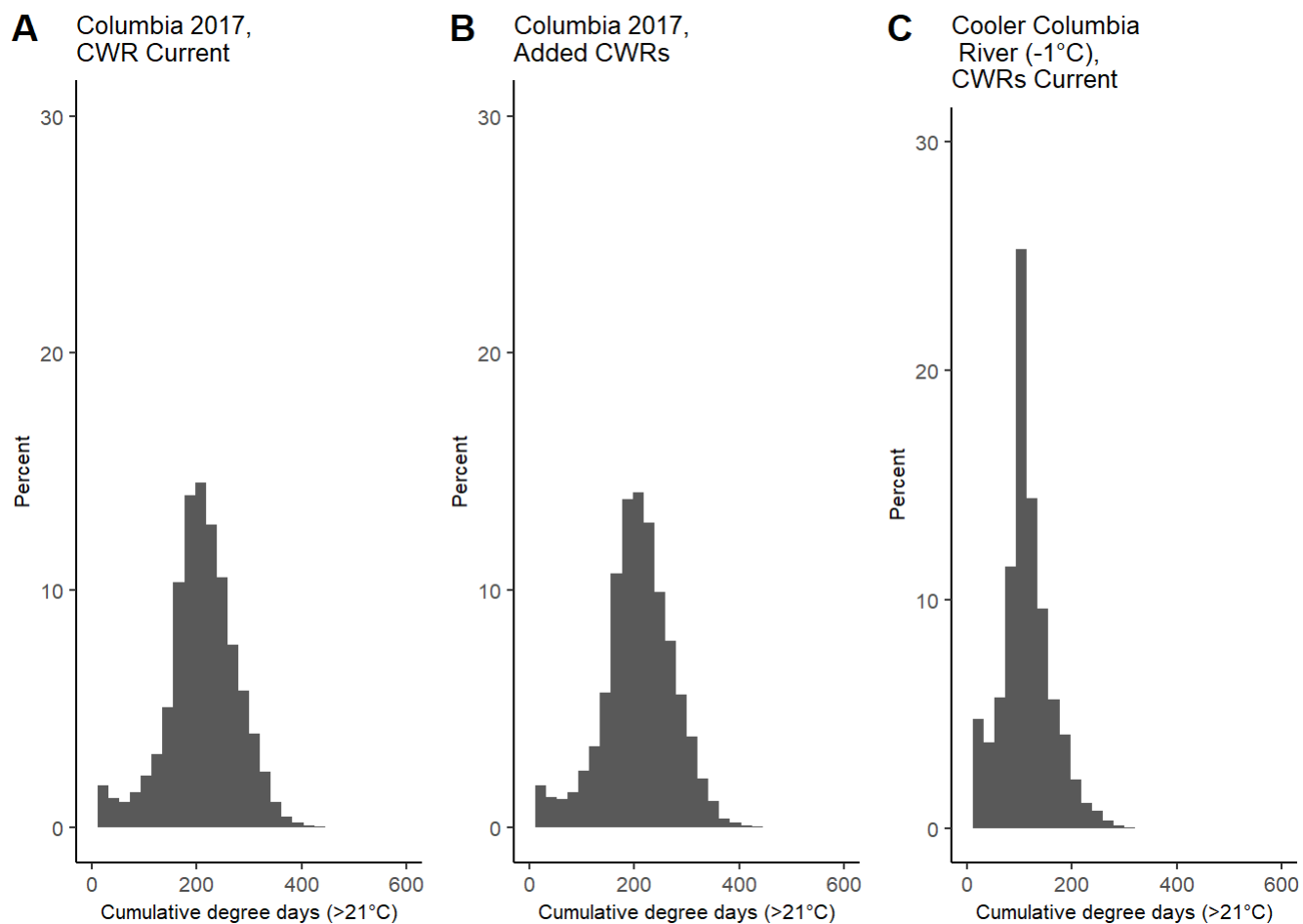


Fig. 16.5 Histograms of modeled Snake River Fall Chinook Salmon accumulated degrees day over 21°C from Bonneville to the Snake River confluence in the Columbia River.

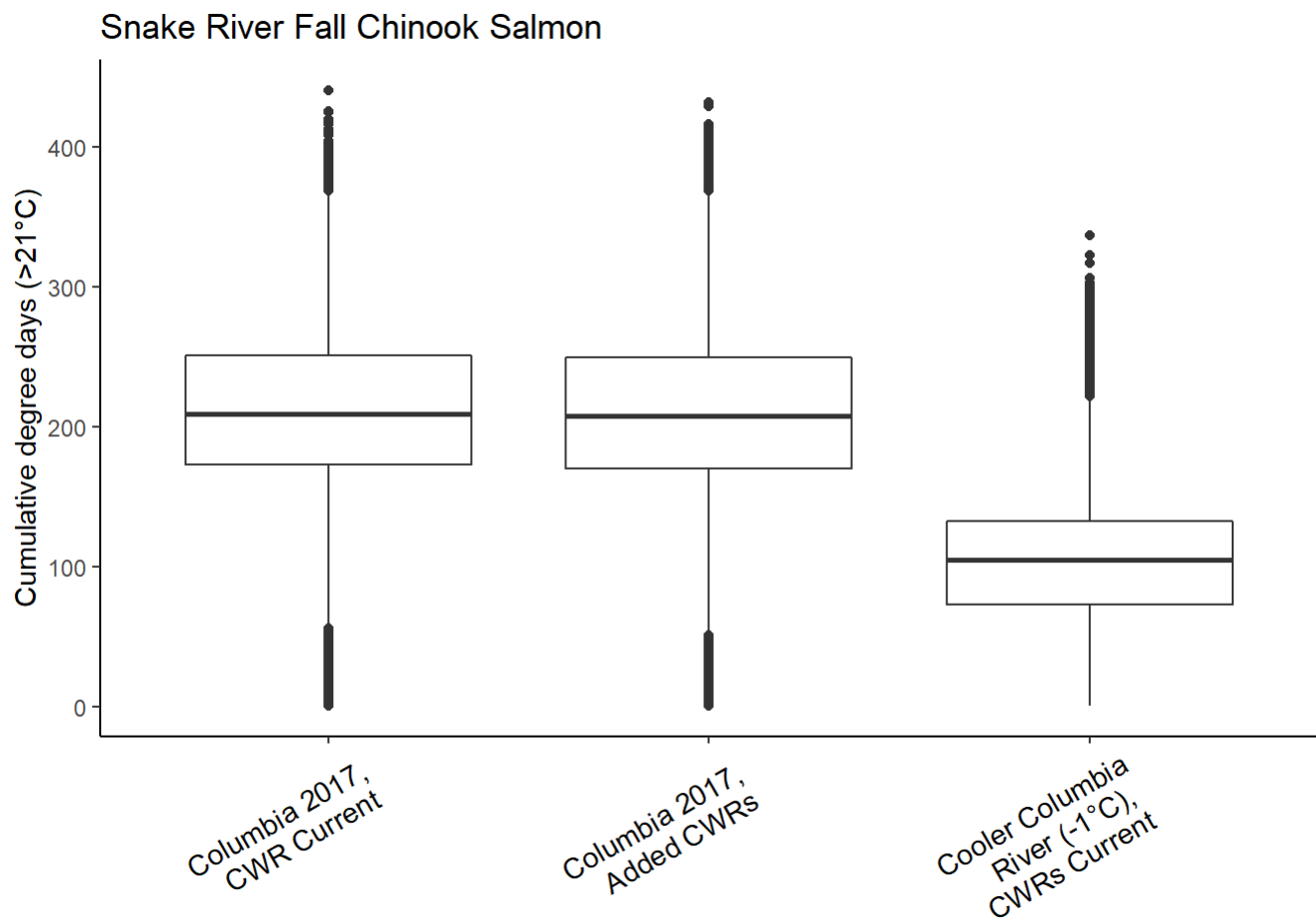


Fig. 16.6 Boxplots of modeled Snake River Fall Chinook Salmon accumulated degrees day over 21°C from Bonneville to the Snake River confluence in the Columbia River.

Table 16.3 Cumulative degree days (>21°C) used across different HexSim thermalscapes summarized for Snake River Fall Chinook Salmon.

Scenario	Minimum	25% quantile	Median	75% quantile	Maximum
Columbia 2017, CWR Current	1	173	209	251	441
Cooler Columbia River (-1°C),CWRs Current	1	73	105	132	337
Columbia 2017, Added CWRs	1	170	208	250	432