

At a glance



Annual rainfall increase of 5% by 2050 and by up to 12% by 2090*



Average annual flows projected to increase in 90% of river reaches by 2090



Average annual flood magnitude projected to increase across at least 95% of Southland river reaches



River temperatures projected to increase uniformly across all Southland rivers



Air temperature warming 0.9-1.4 °C by 2050 and 1.8-3.4°C by 2090**



Hot days (above 25 degrees) projected to increase by 3-5 days by 2050 and by 6-19 days by 2090



Frost days projected to decrease by up to 20 days by 2050 and 25-45 days by 2090***



Wind speed and windy days (winds over 36kph) projected to increase by 2050 and further by 2090



Sea level rise projected to continue to rise under all emission pathways



Snow volume projected to decrease by 50% by 2090

*Invercargill receives about 1100mm annually, while Fiordland can receive up to 8000mm annually, while inland Southland can receive as little as 800mm annually. **Invercargill's average annual daily air temperature is 11.1°C.

*** Invercargill currently experiences approximately 26 frost days annually.