



APPENDIX 5.8-A Historic Climate Analysis for Howe Sound

A summary of the historic temperature analysis, including statistical significance, is presented in Figure 1. This figure is based on the climate normals for the 1971 to 2010 period and shows a distinctive upward trend for the temperatures over the period covered by the normals.

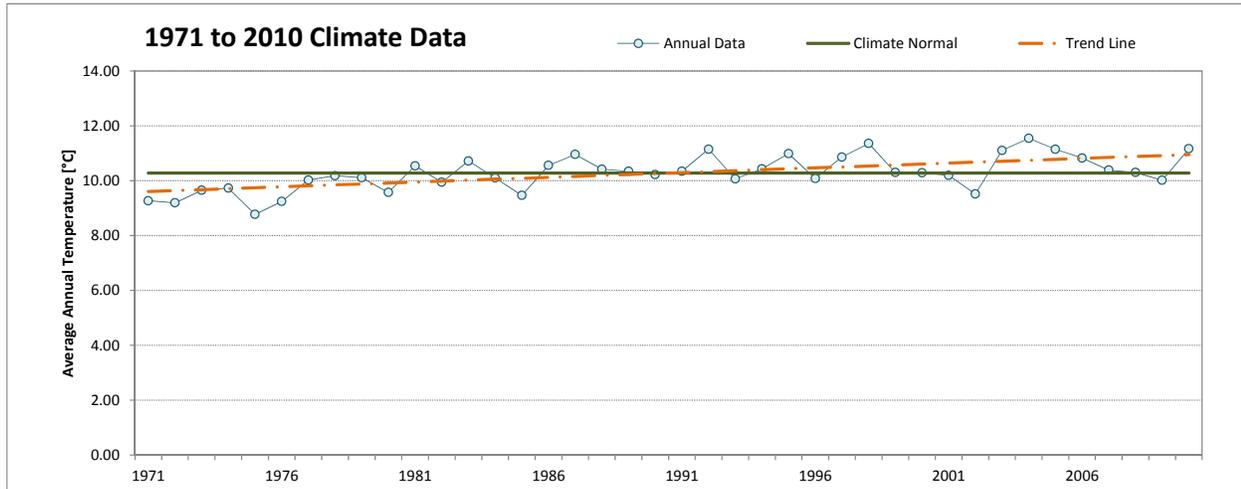


Figure A1: Historic Temperature Analysis for Gibsons Gower Point Station – Annual

Similar figures are shown below for the seasonal temperature trends (Figures 2 through 5). As discussed in Section 2 of this report, the annual trend is statistically significant at the 99.9th percentile, as are the summer and winter trends, while the spring and fall trends are statistically significant at the 95th percentile.

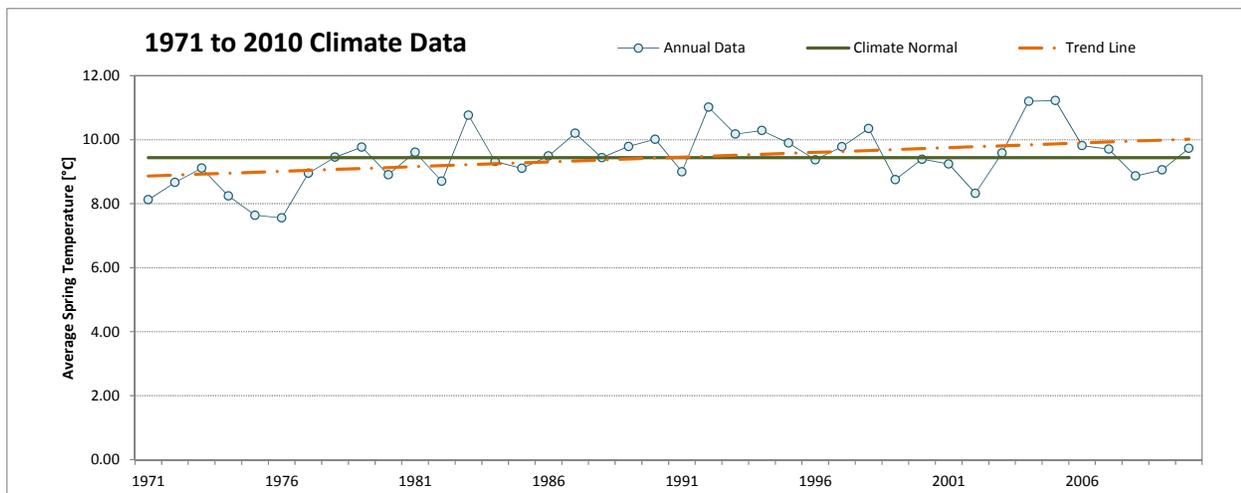


Figure A2: Historic Temperature Analysis for Gibsons Gower Point Station – Spring



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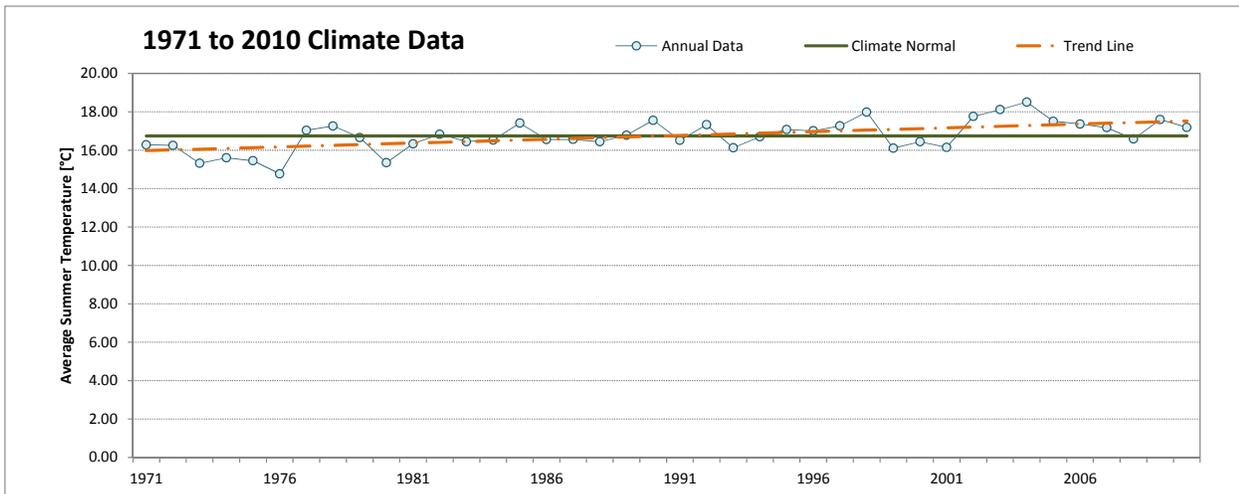


Figure A3: Historic Temperature Analysis for Gibsons Gower Point Station – Summer

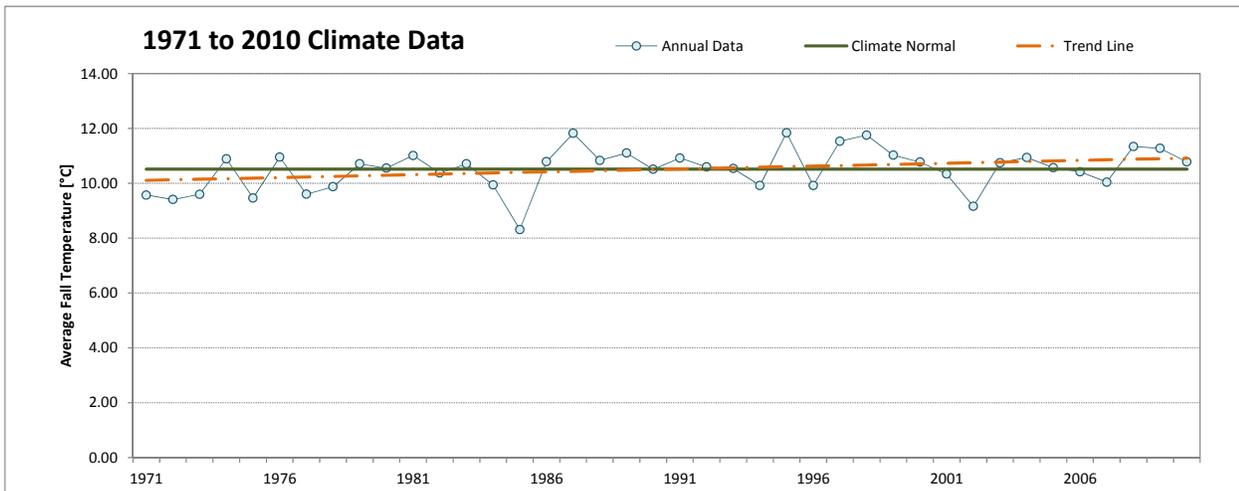


Figure A4: Historic Temperature Analysis for Gibsons Gower Point Station – Fall



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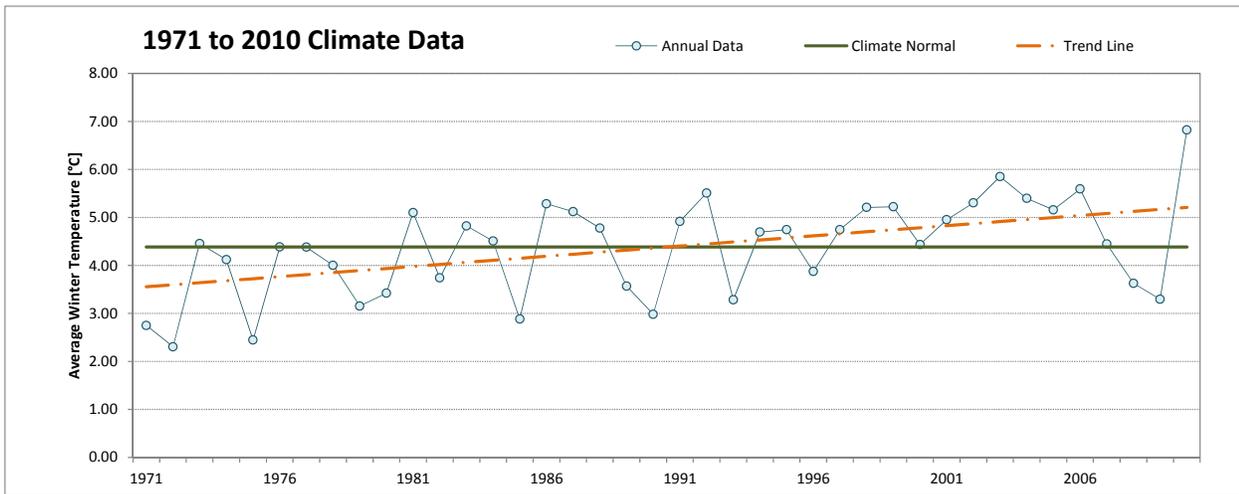


Figure A5: Historic Temperature Analysis for Gibsons Gower Point Station – Winter

The annual trend for precipitation in the climate normals period is presented in Figure 6. Similar figures are shown below for the seasonal precipitation trends (Figures 7 through 10). Only the summer season is statistically significant at the 90th percentile.

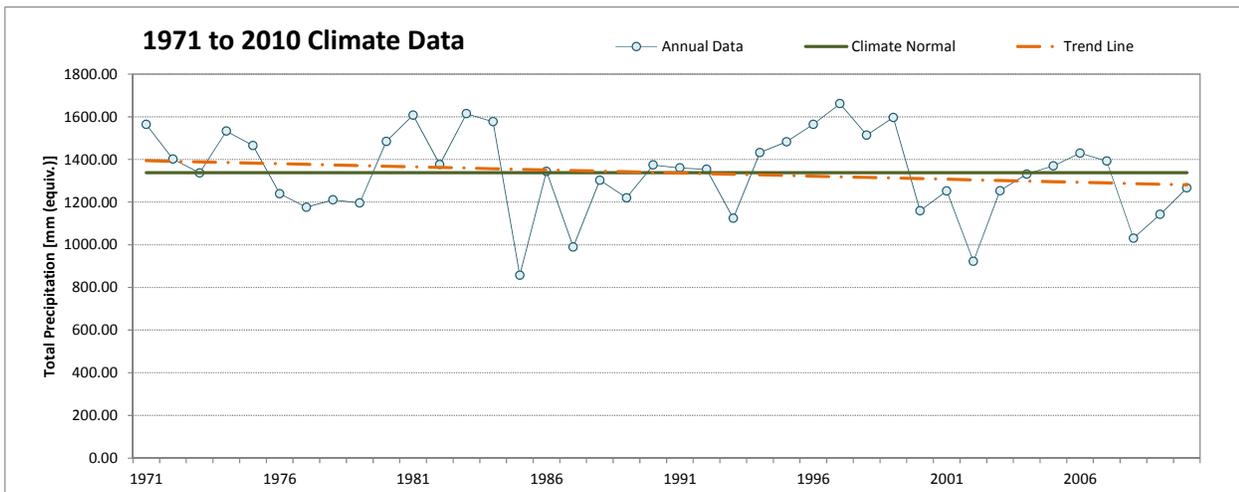


Figure A6: Historic Precipitation Analysis for Gibsons Gower Point Station – Annual



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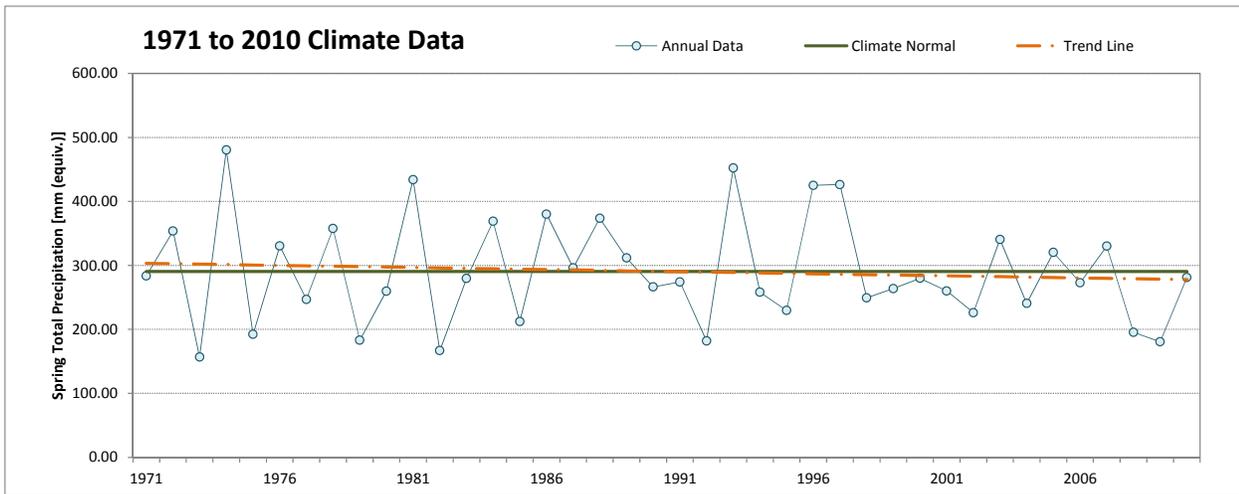


Figure A7: Historic Precipitation Analysis for Gibsons Gower Point Station – Spring

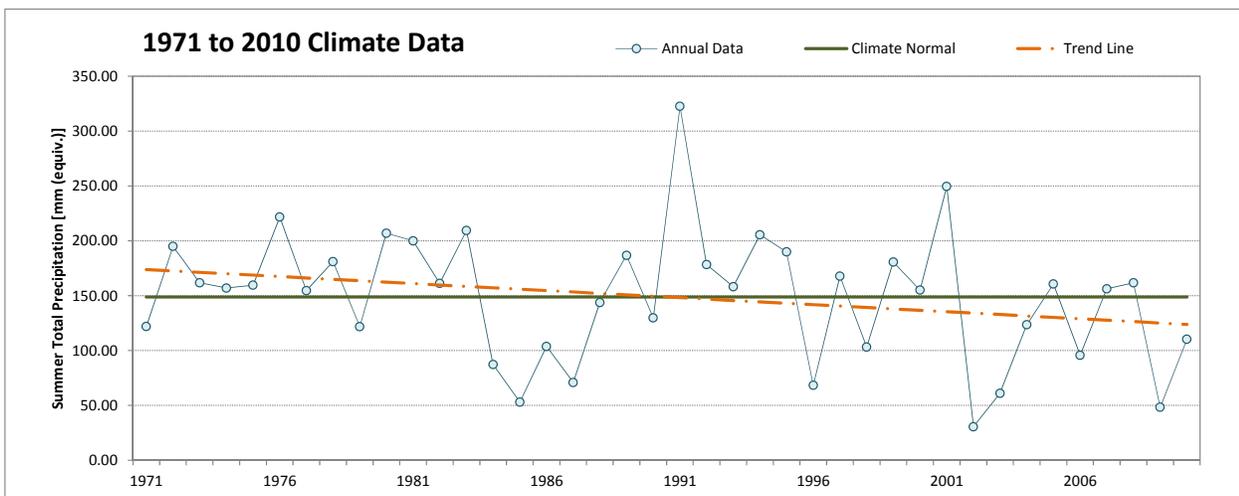


Figure A8: Historic Precipitation Analysis for Gibsons Gower Point Station – Summer



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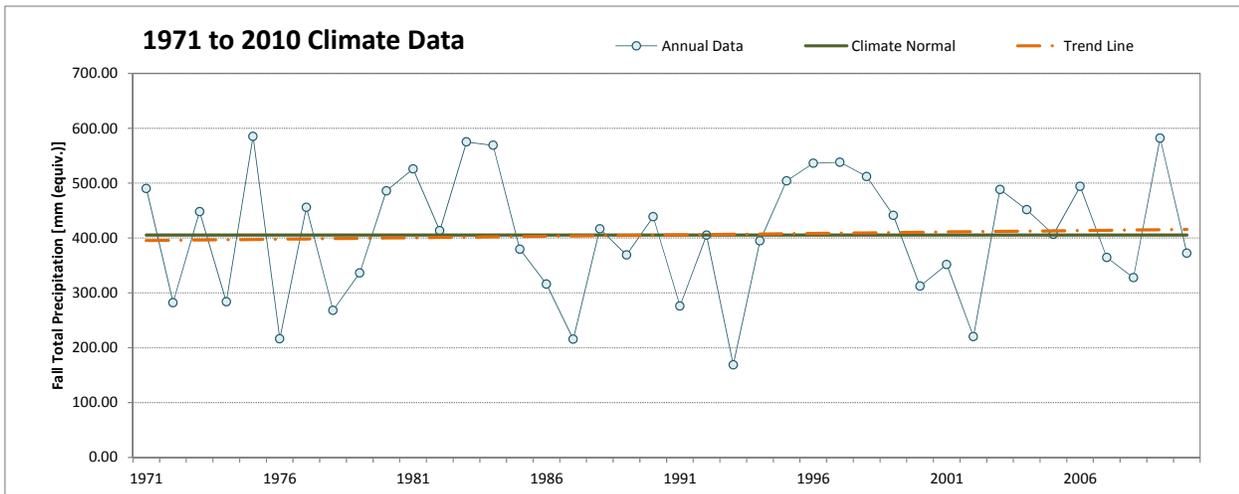


Figure A9: Historic Precipitation Analysis for Gibsons Gower Point Station – Fall

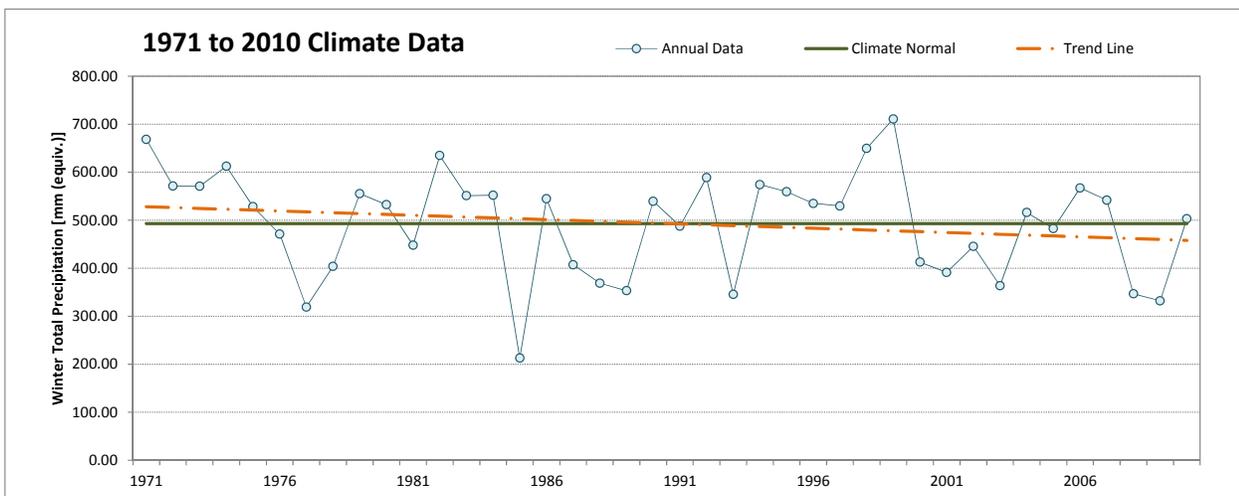


Figure A10: Historic Precipitation Analysis for Gibsons Gower Point Station – Winter

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