



Supplement of

Dendrohydrology and water resources management in south-central Chile: lessons from the Río Imperial streamflow reconstruction

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Figure S1. Climograph showing the distribution of mean temperature and precipitation for TEM during the period 1980-2010. The lowest amounts of precipitation occur in January and February, corresponding to the base flow for the Río Imperial.



Figure S2. (A) corresponds to a comparison between available summer streamflow data (red), the composite streamflow time series (cyan) and our tree-ring reconstruction (red) for the period 1980-2010. The locations of the gauges is denoted in (B).



Figure S3. Correlation of observed/reconstructed streamflow with TEM rainfall for each month of the previous year.



Figure S4. Spectral analyses of the time series demonstrating that the reconstruction captures high-frequency oscillations.