

4.4 Figures

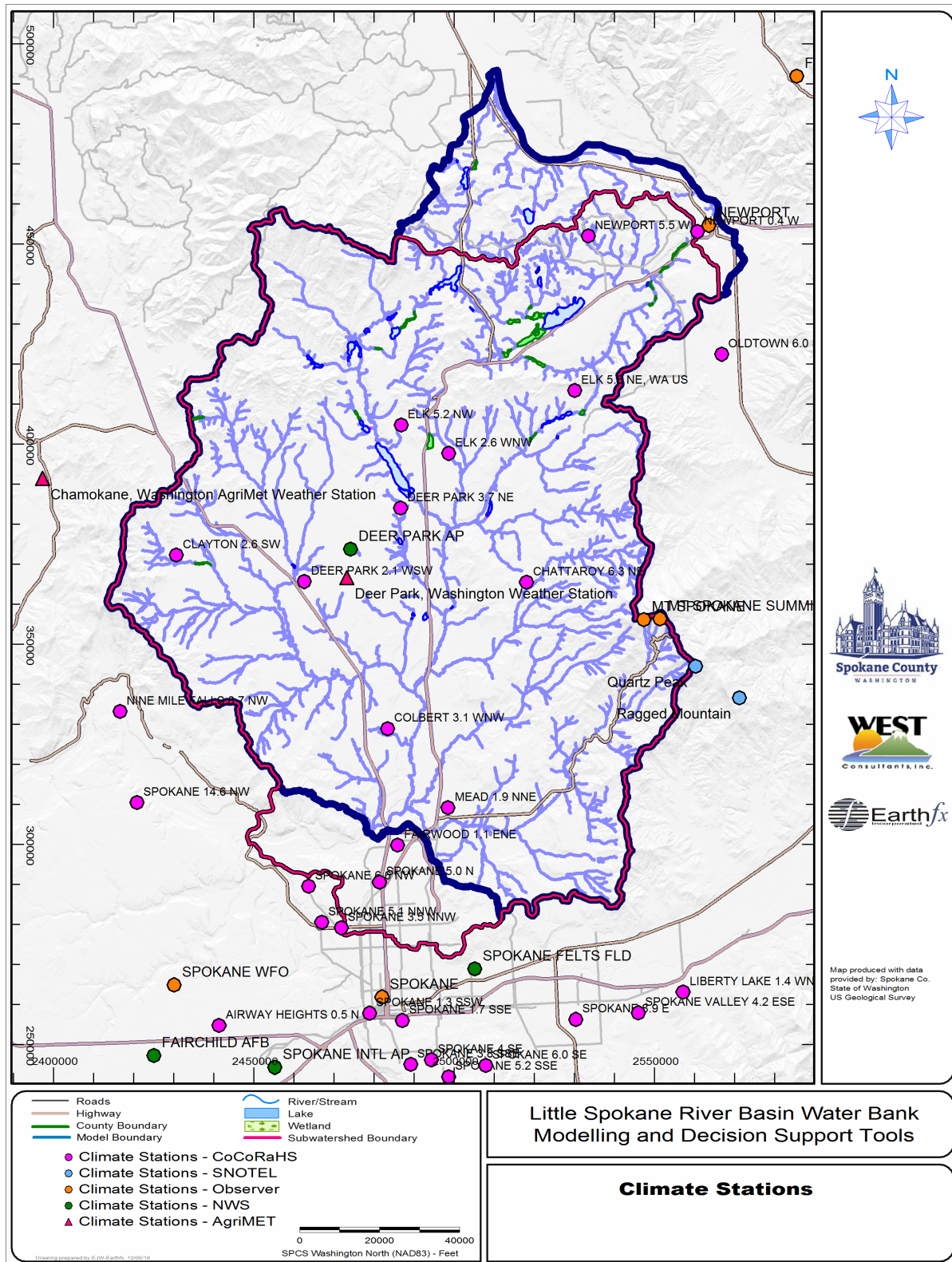


Figure 4.1: Climate stations proximal to the study area.

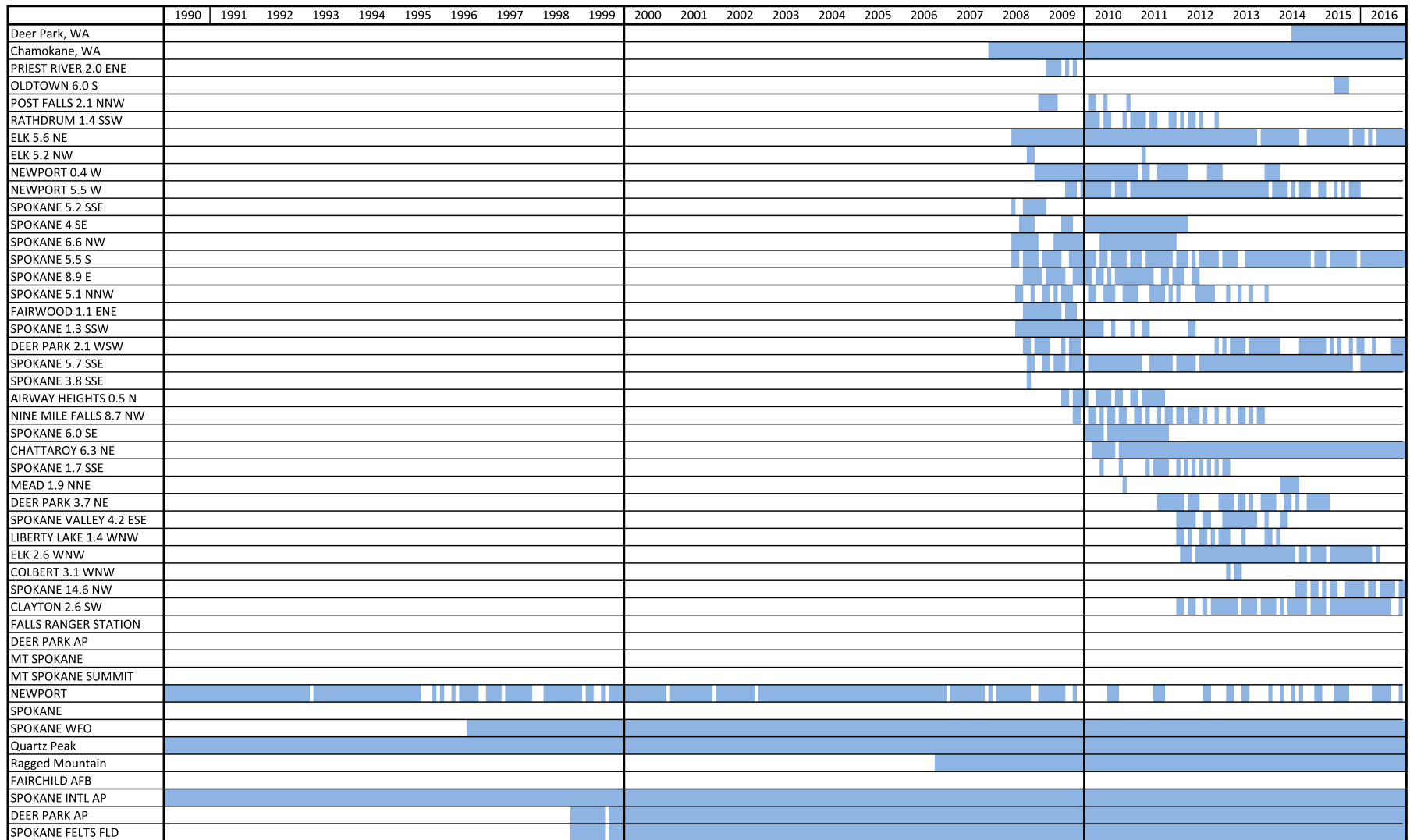


Figure 4.2: Available period of record at climate stations proximal to the study area (Note: some stations discontinued prior to 1990).



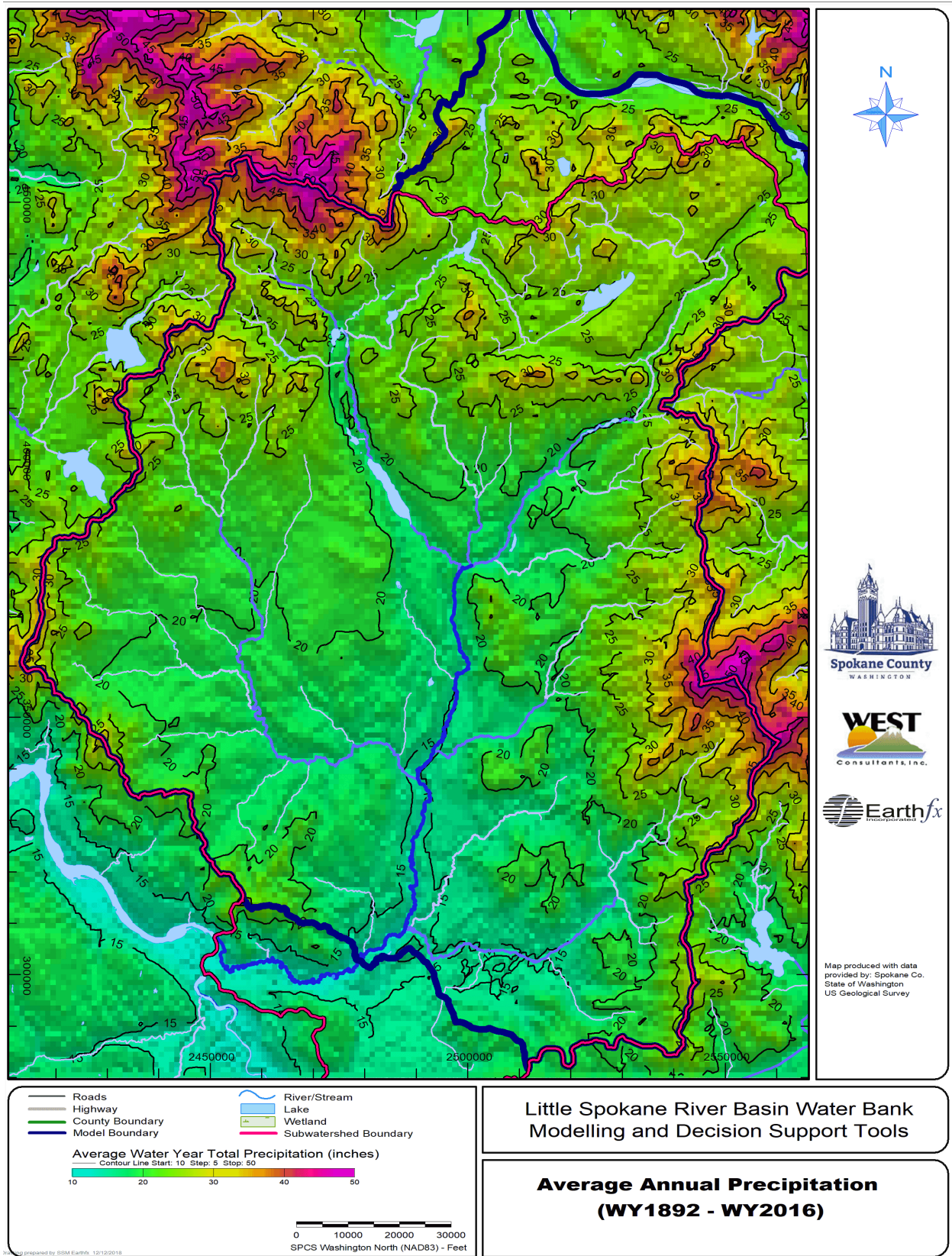


Figure 4.3: Annual average interpolated precipitation (WY1892 through WY2016), hill shaded with the 1000 ft DEM.

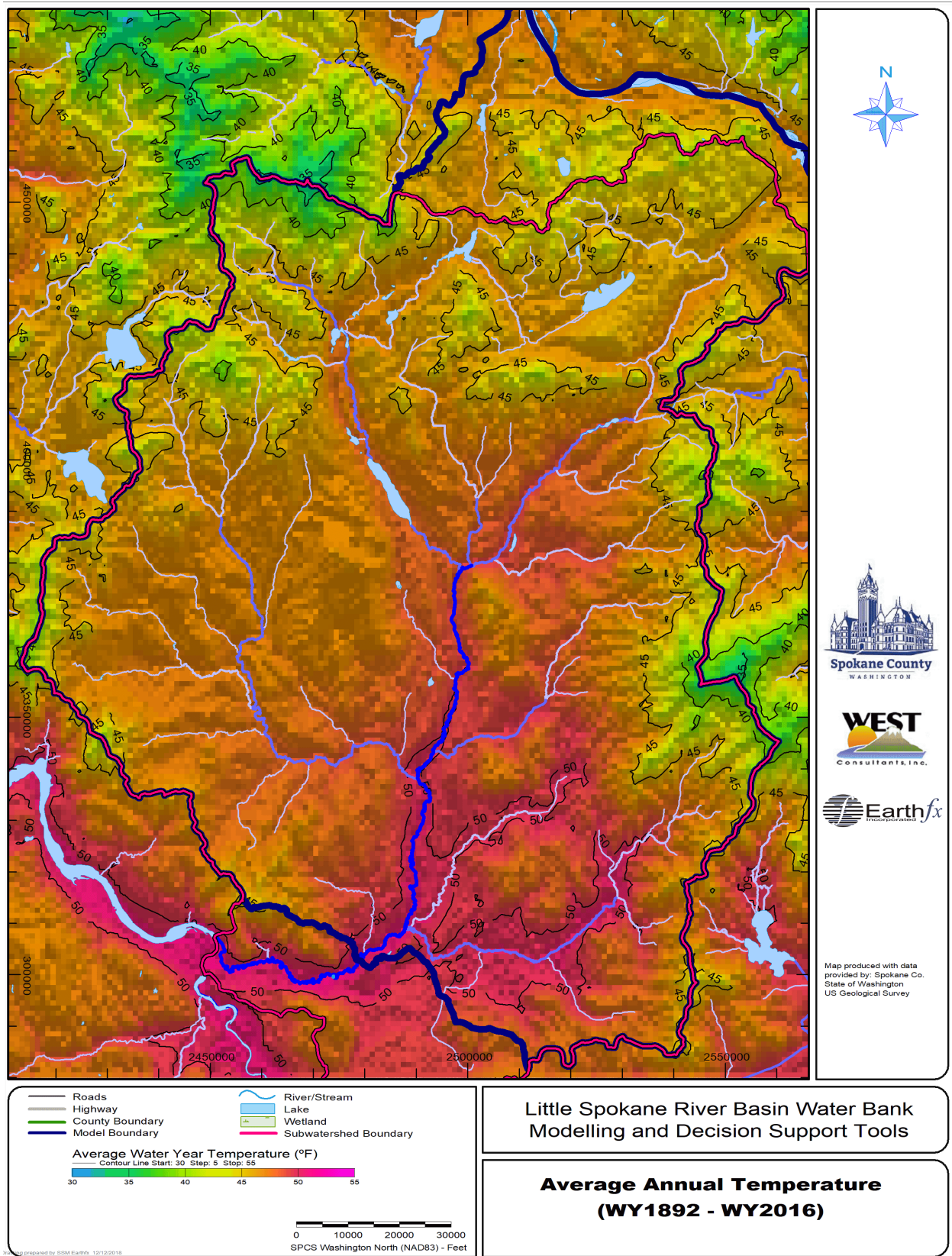


Figure 4.4: Daily average interpolated mean temperature (WY1892 through WY2016), hill shaded with 1000 ft DEM.



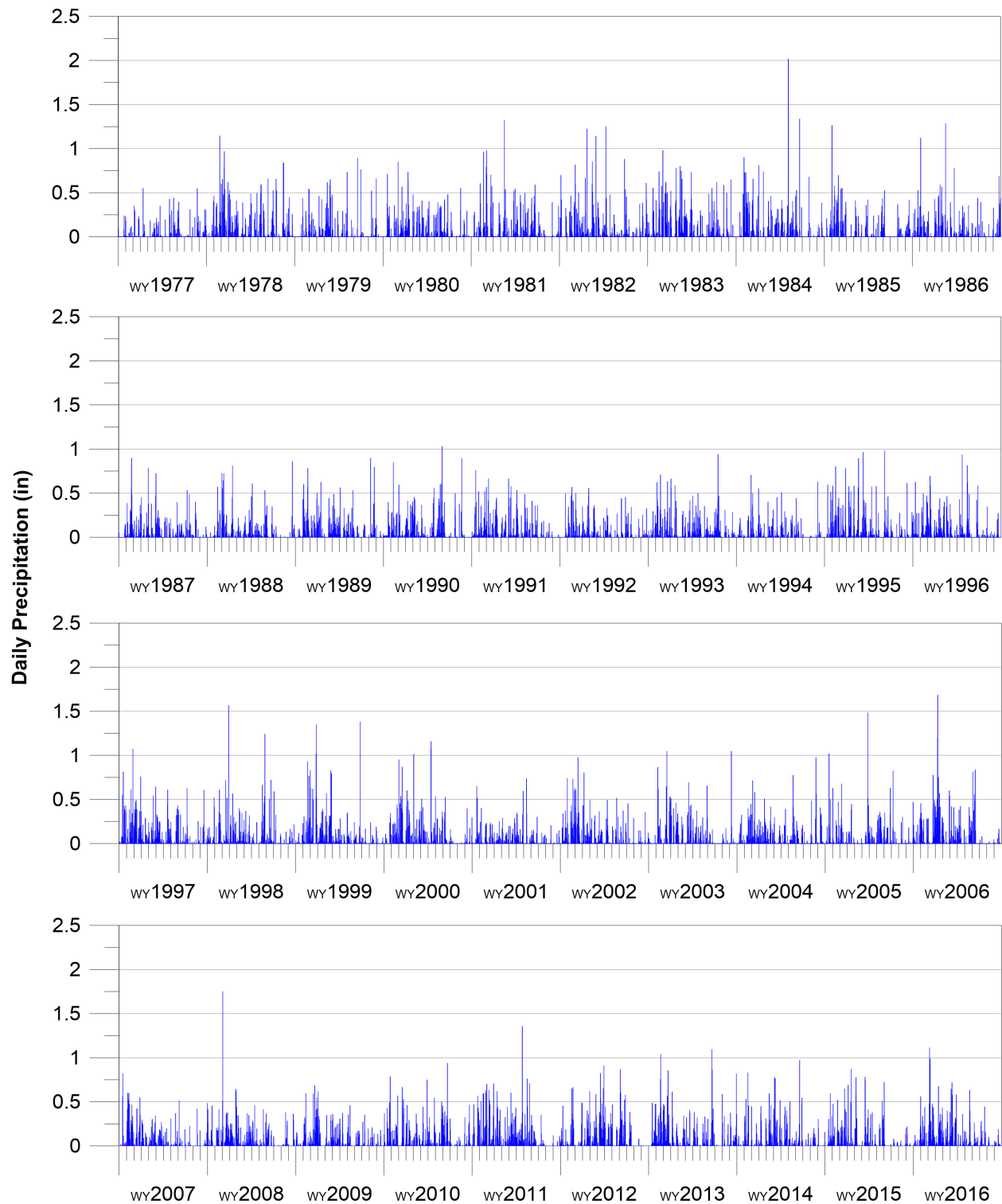


Figure 4.5: Basin averaged total precipitation from WY1977 to WY2016

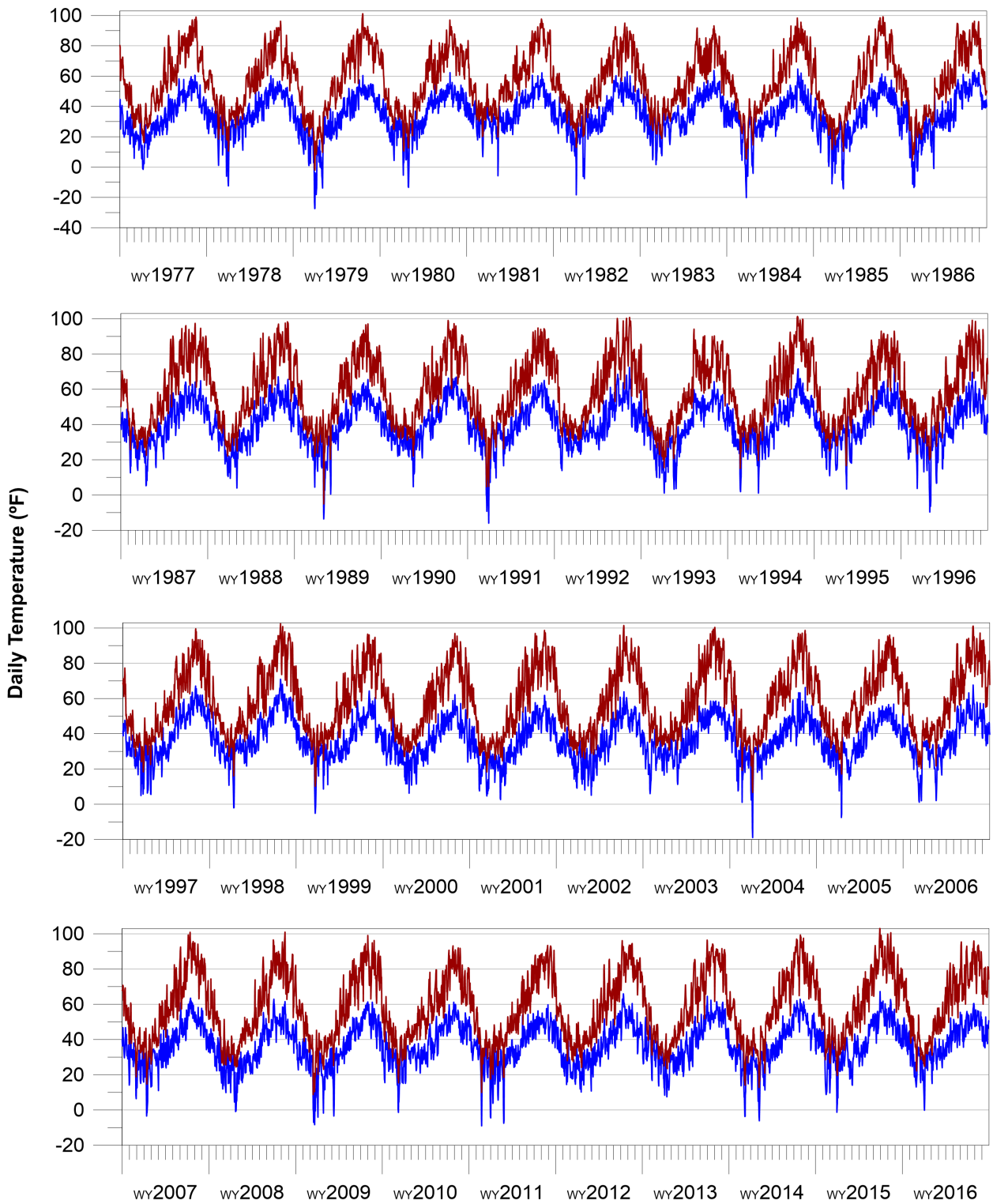


Figure 4.6: Basin averaged maximum (red) and minimum (blue) daily temperature from WY1977 to WY2016.



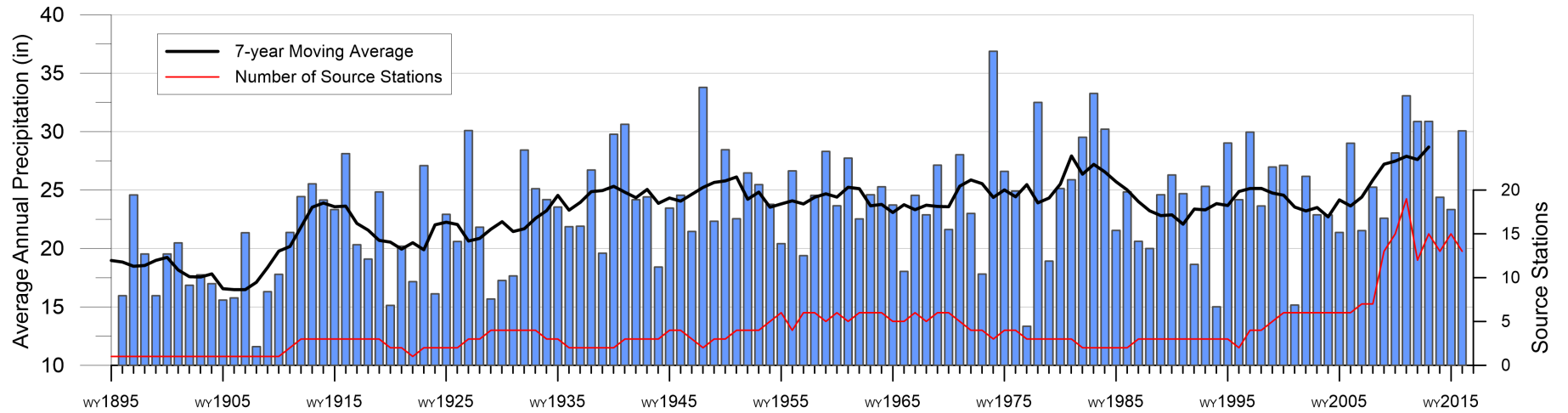


Figure 4.7: Mean annual precipitation (WY1895 - 2016).

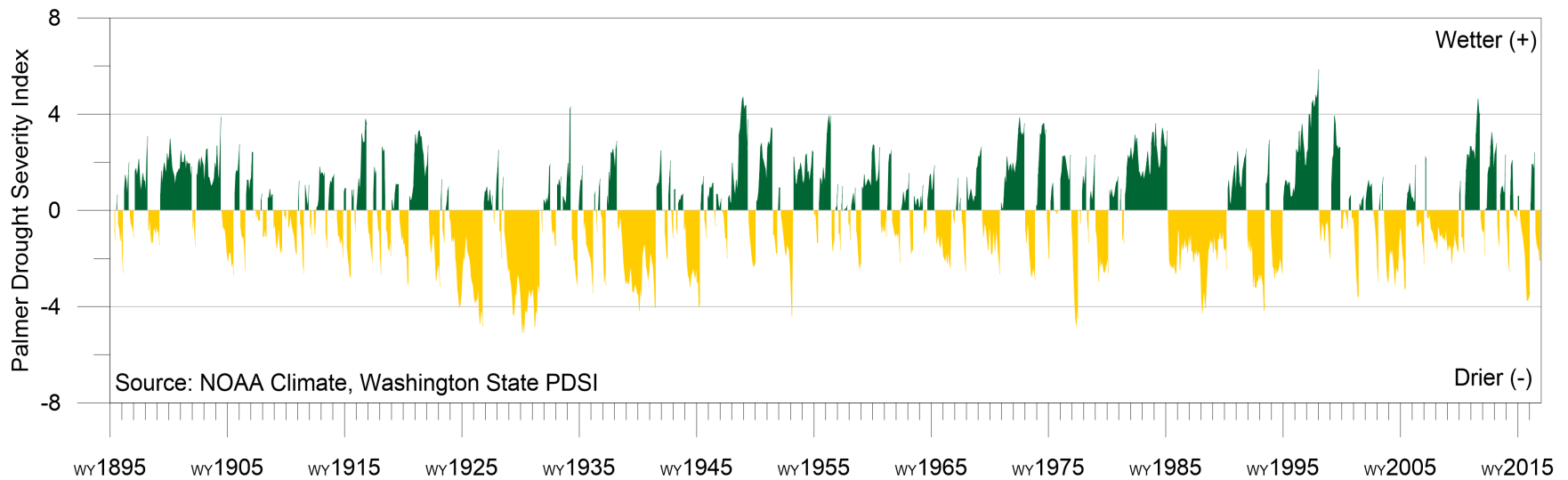


Figure 4.8: Washington State Palmer Drought Severity Index.

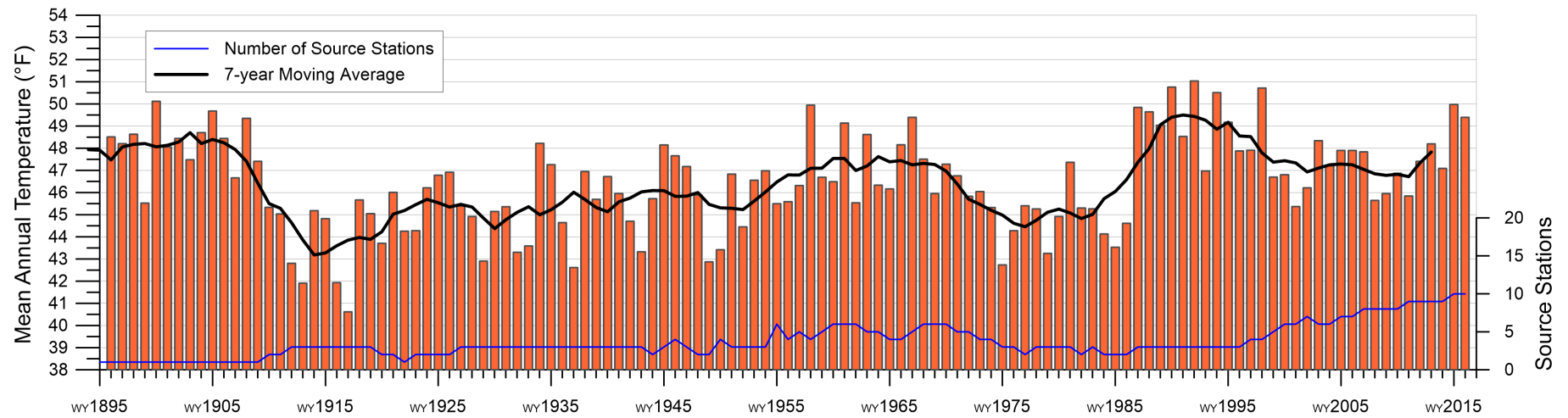


Figure 4.9: Basin-averaged mean annual temperature (WY1895 - 2016).

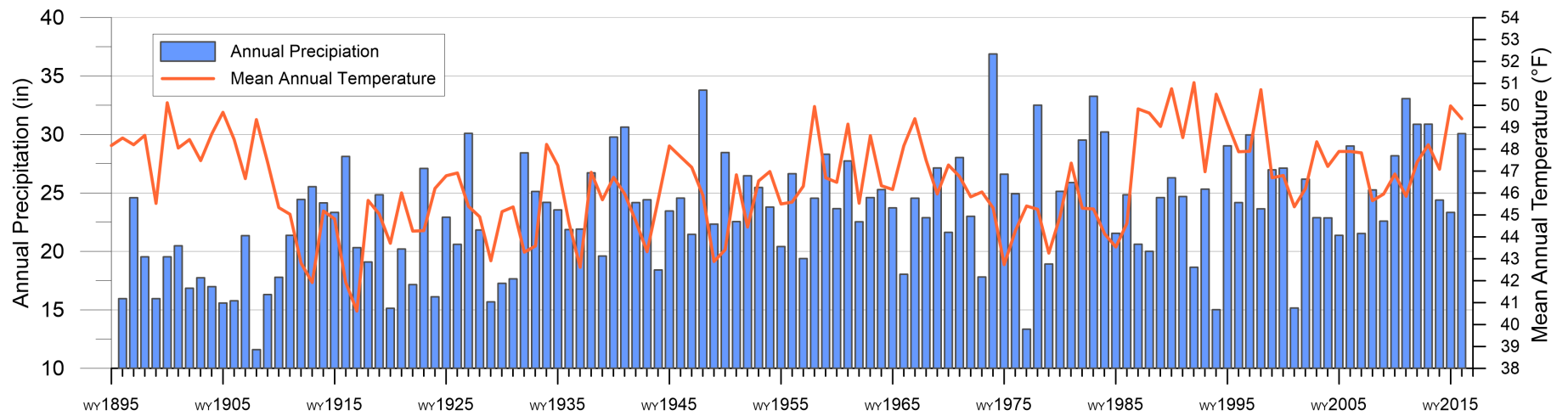


Figure 4.10: Basin-averaged mean annual temperature and precipitation (WY1895 - 2016).



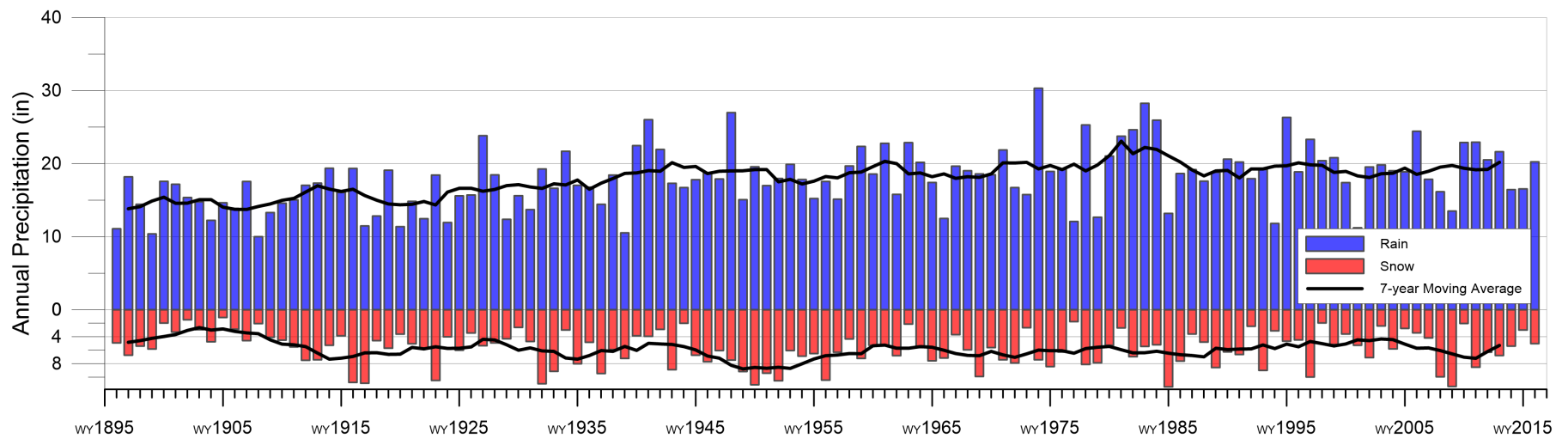


Figure 4.11: Annual summary of basin-averaged precipitation form (WY1895 - WY2016).

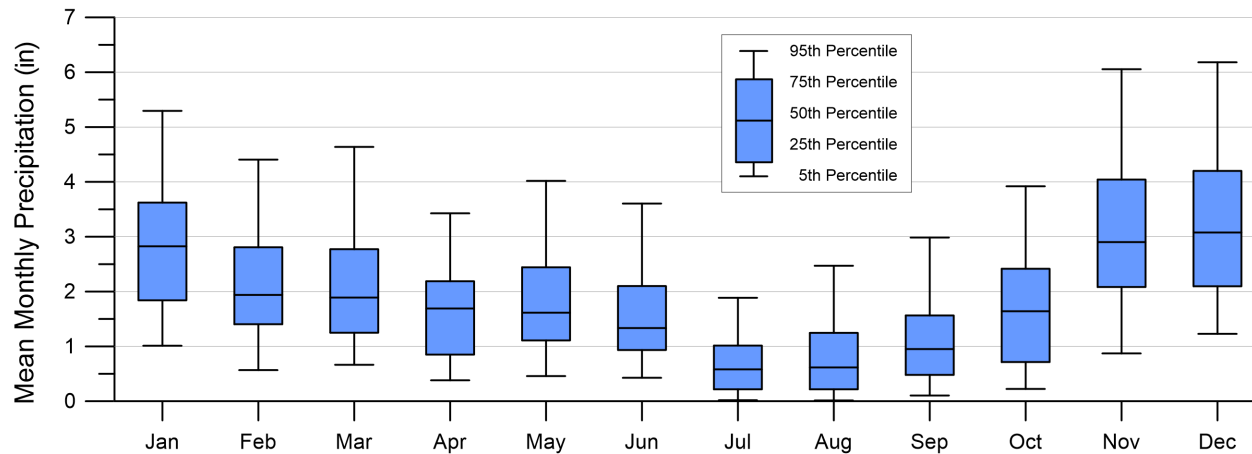


Figure 4.12: Mean monthly precipitation (WY1895 - WY2016)

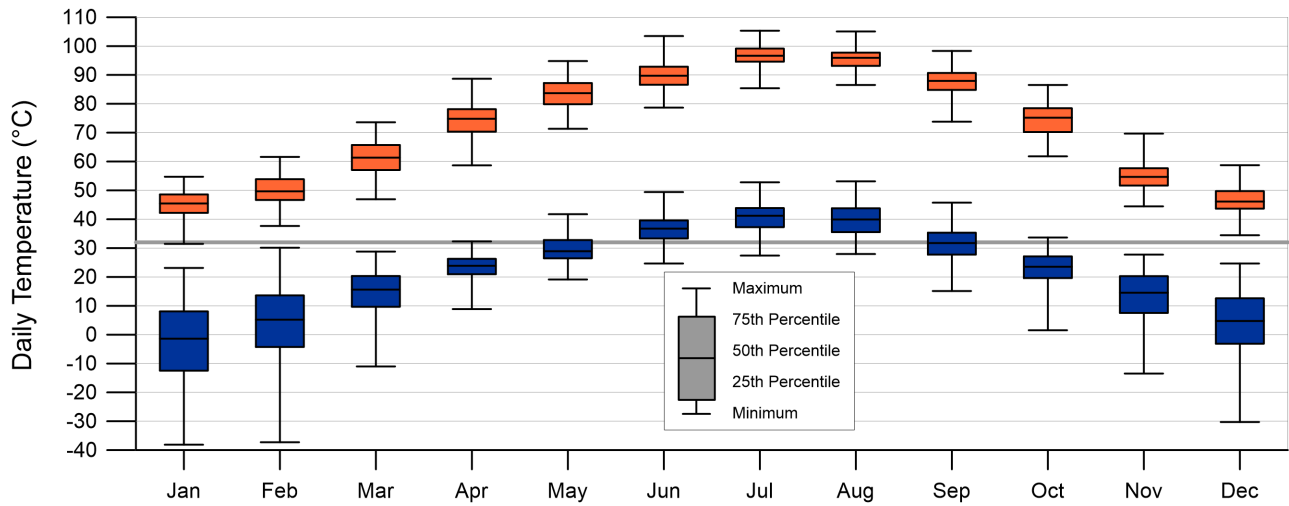


Figure 4.13: Maximum (orange) and minimum (blue) monthly temperature (WY1895 - WY2016)

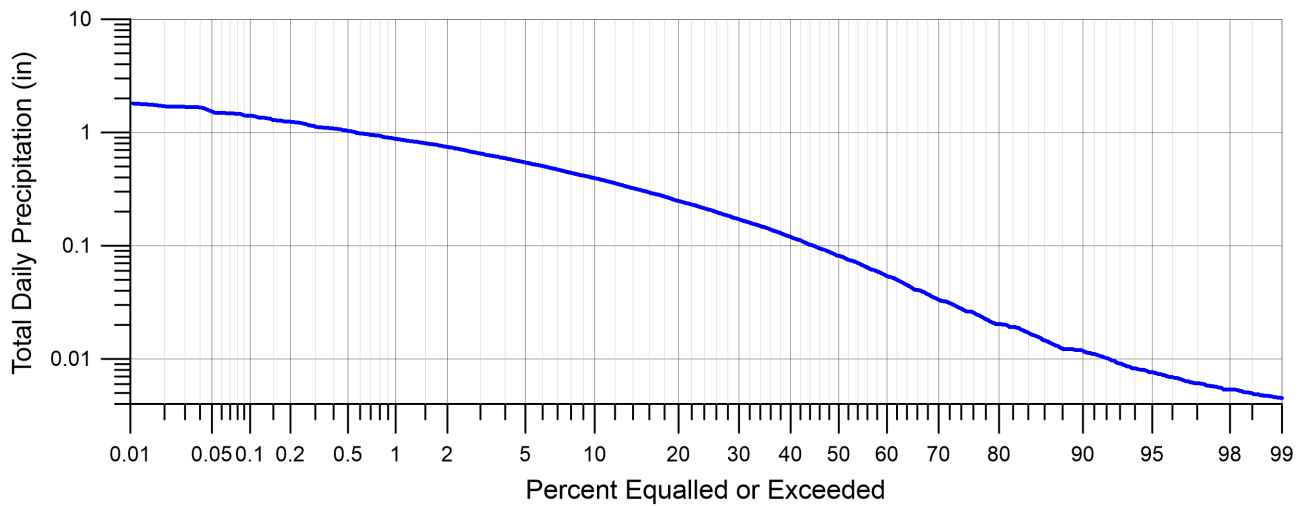


Figure 4.14: Basin-averaged daily precipitation exceedance plot (WY1895 through WY2016).



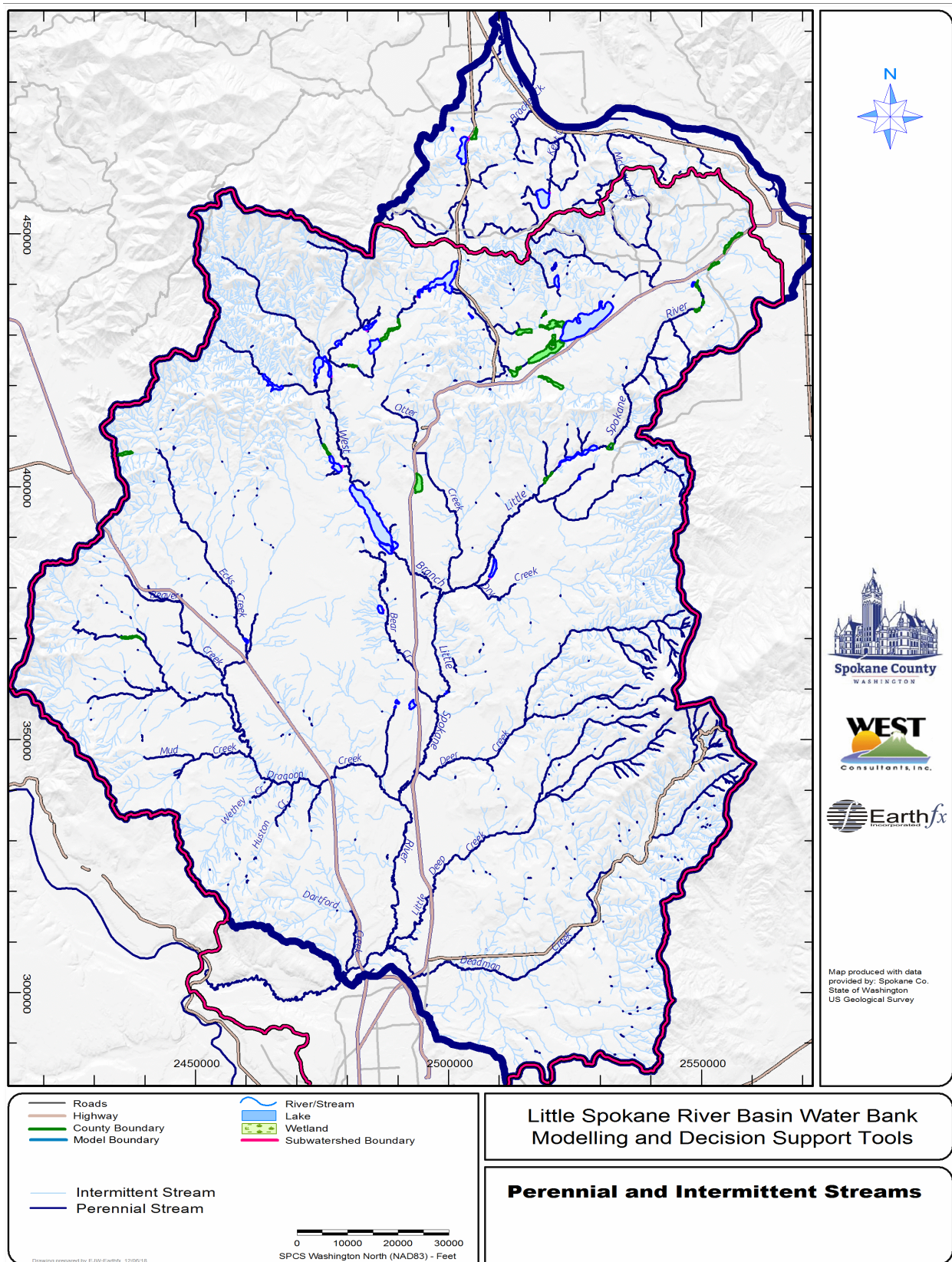


Figure 4.15: Perennial and intermittent streams (includes streams classified as “artificial”).



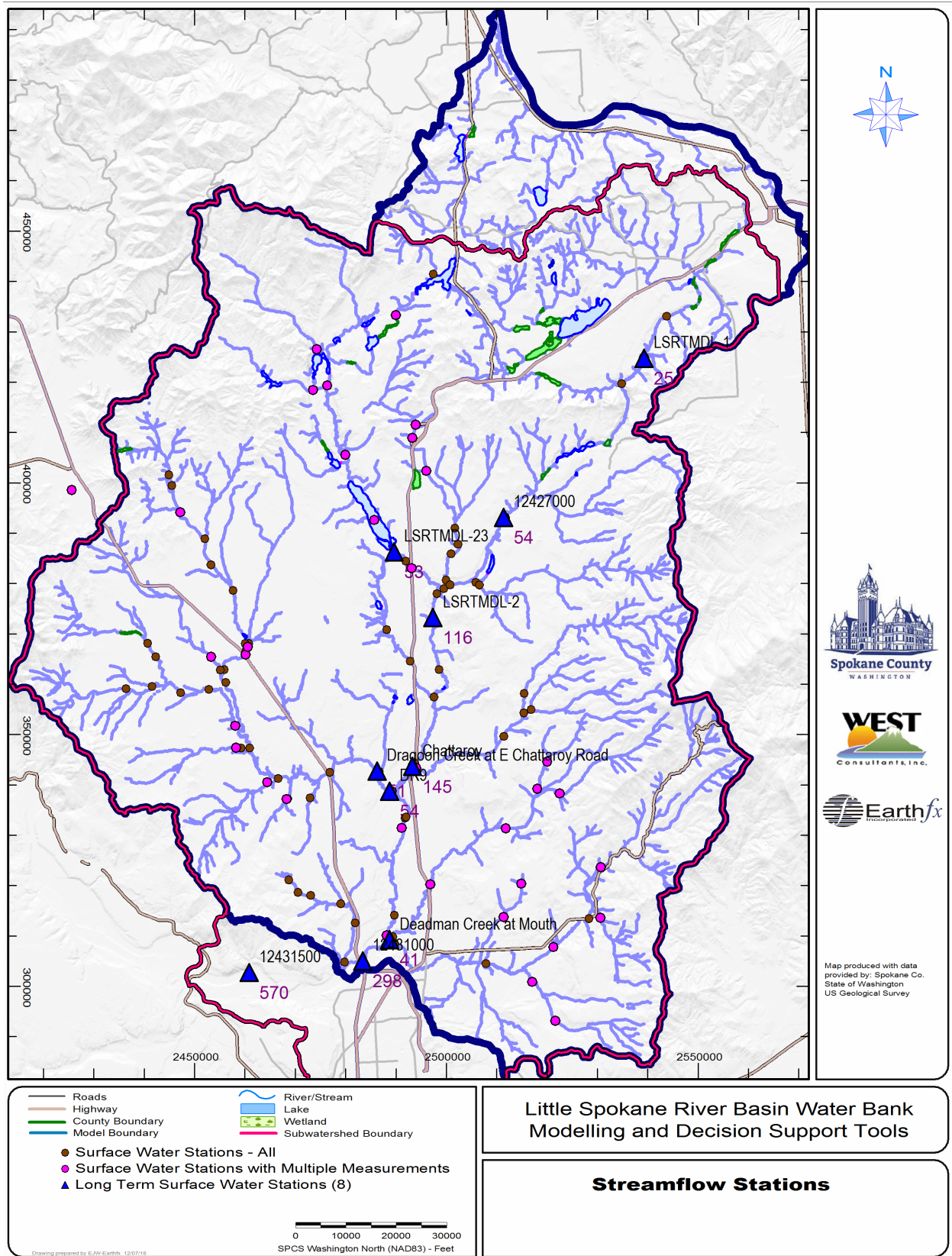


Figure 4.16: Streamflow stations with seepage run stations, spot flow locations with multiple measurements, and gages with long-term data; average flows posted for gages.

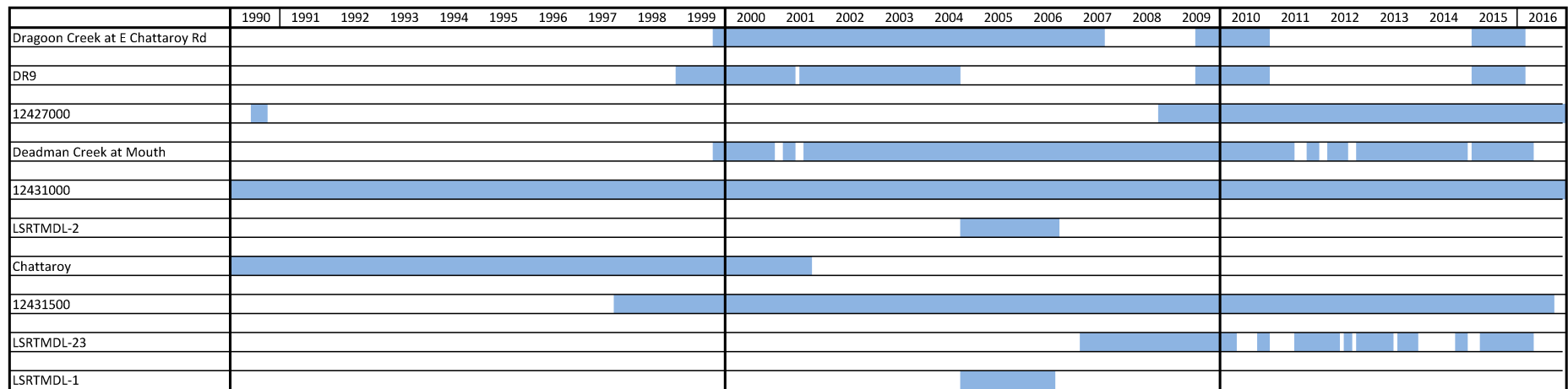


Figure 4.17: Available period of record at streamflow gages within the study area (USGS gages start prior to 1990).

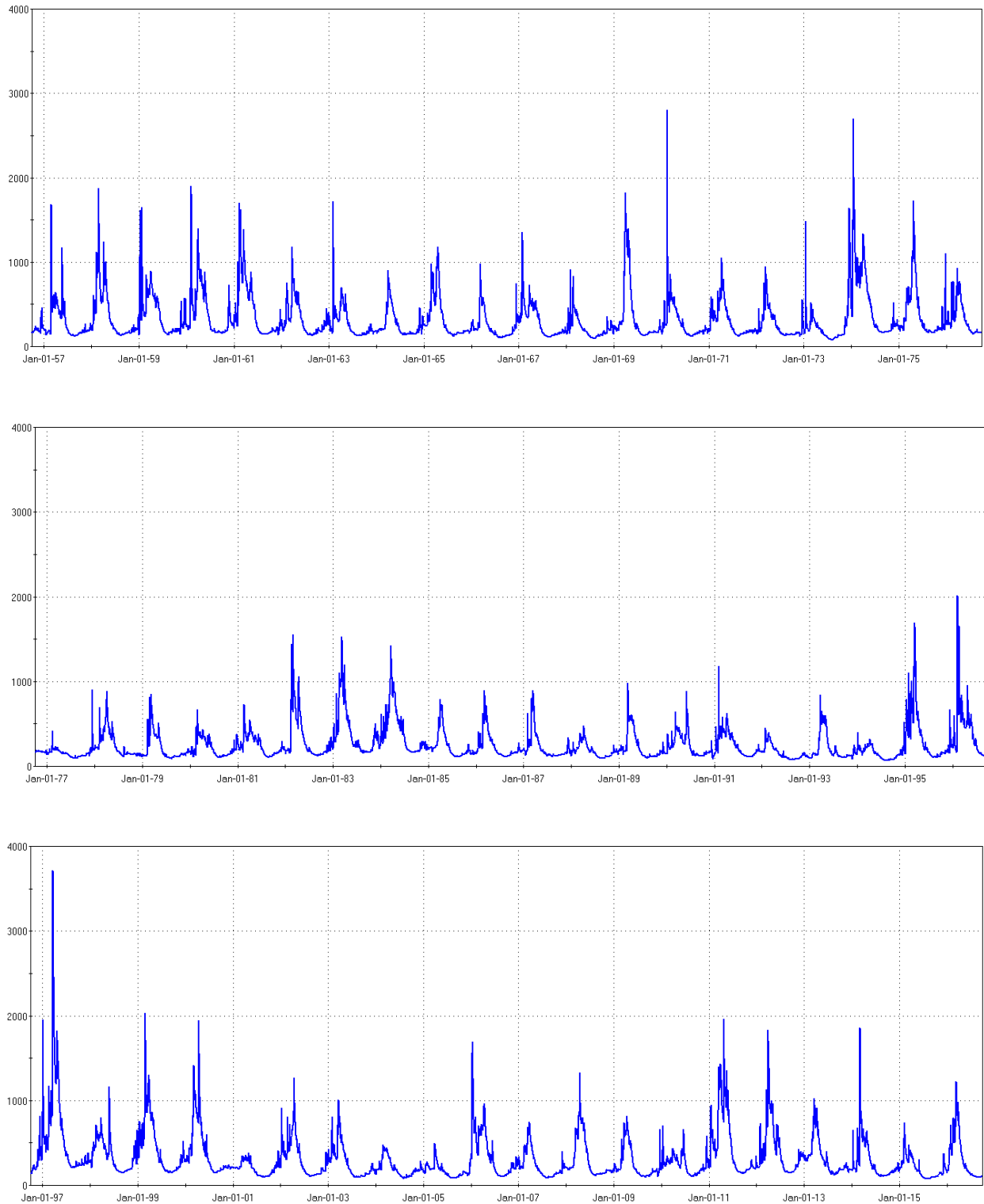


Figure 4.18: Daily discharge observed at the USGS Dartford gage for WY1957 to WY2016.



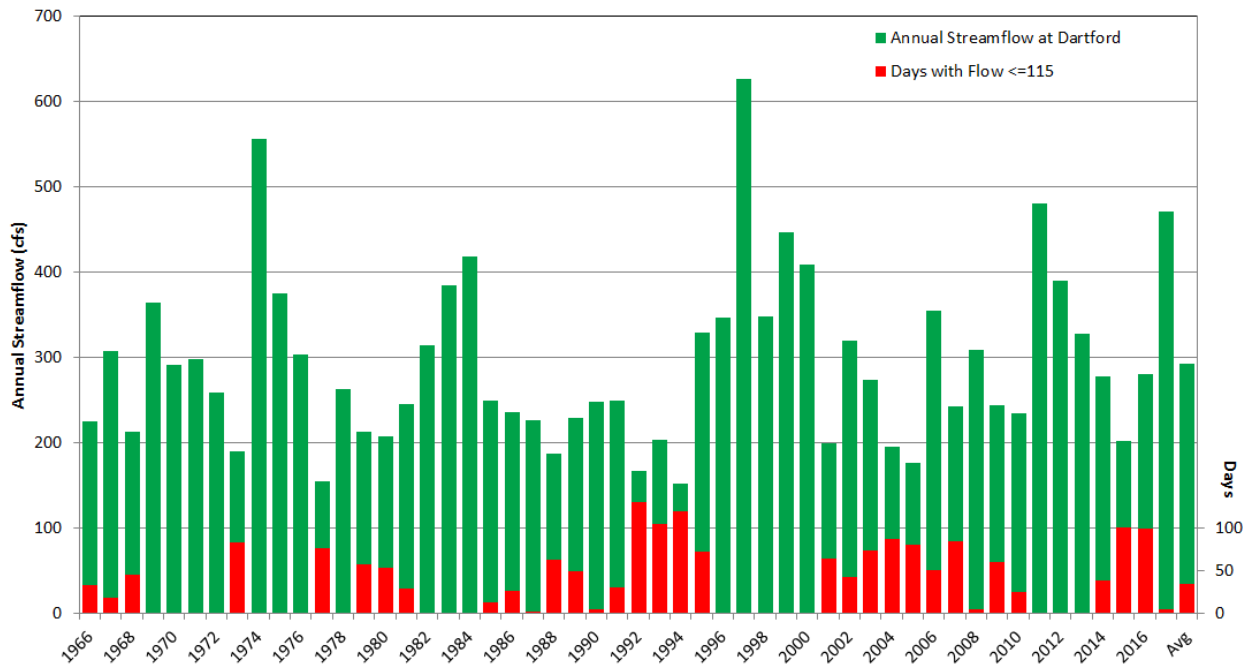


Figure 4.19: Annual average streamflow at the USGS Dartford gage and number of days per year with flow below 115 cfs.

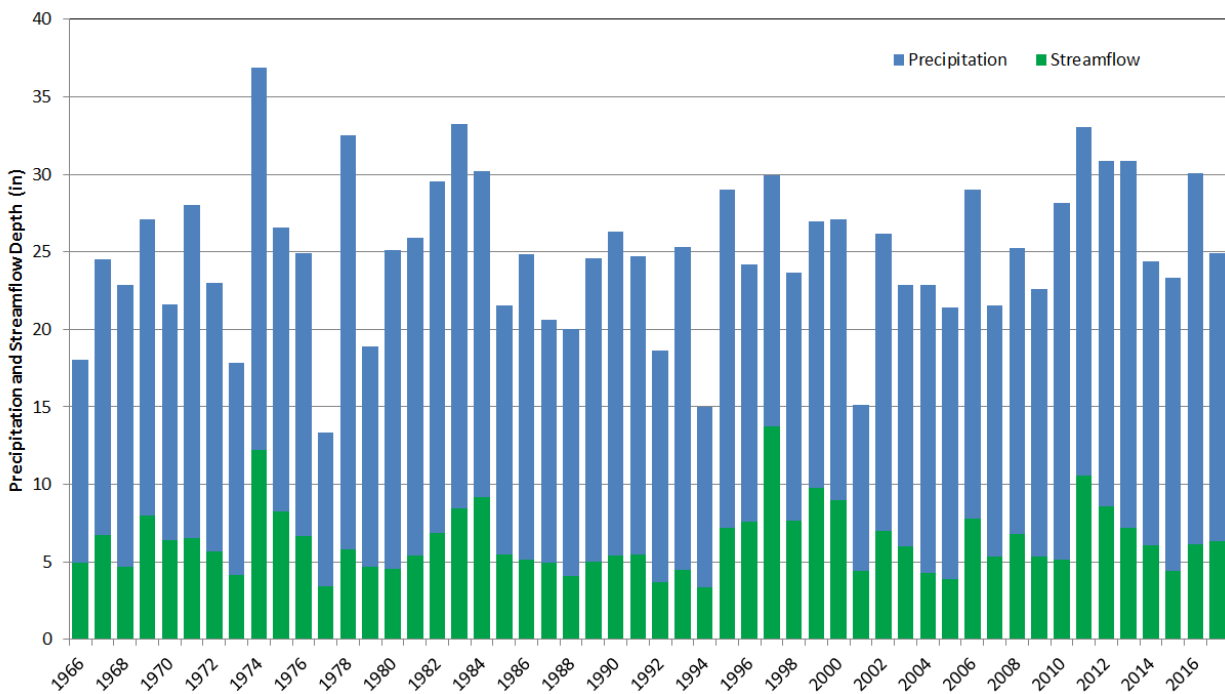


Figure 4.20: Basin-averaged precipitation versus streamflow at the Dartford gage.

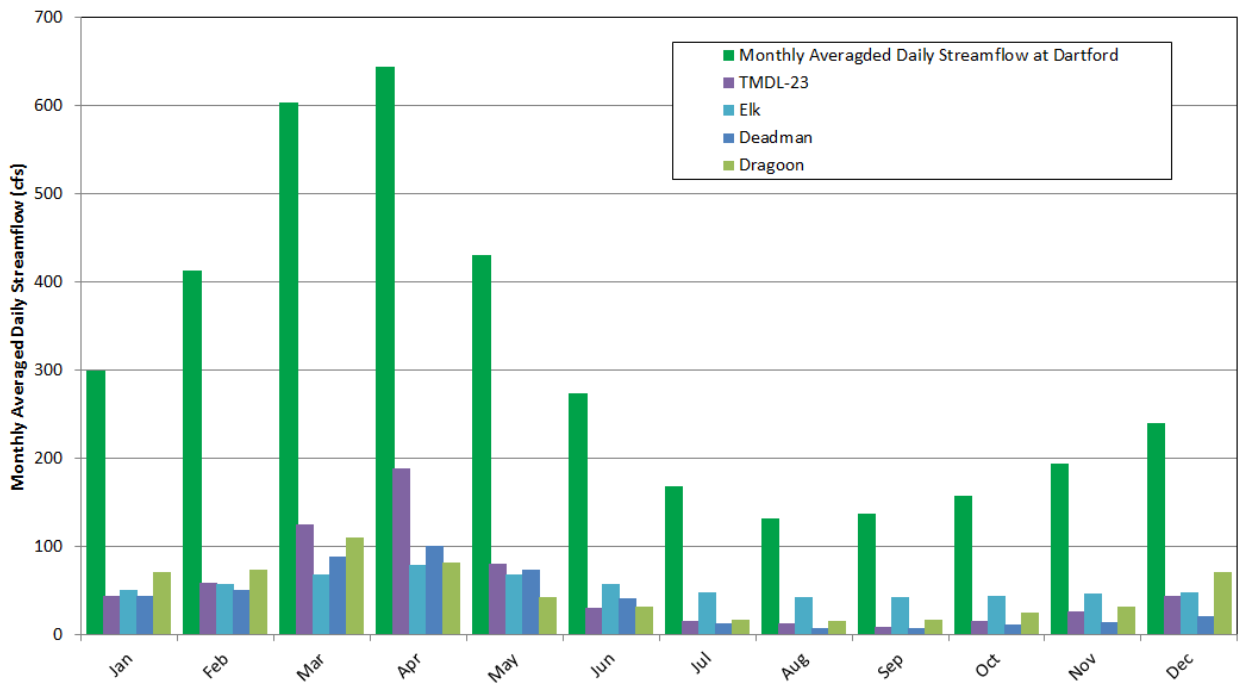


Figure 4.21: Monthly-averaged daily streamflow for the key gages.

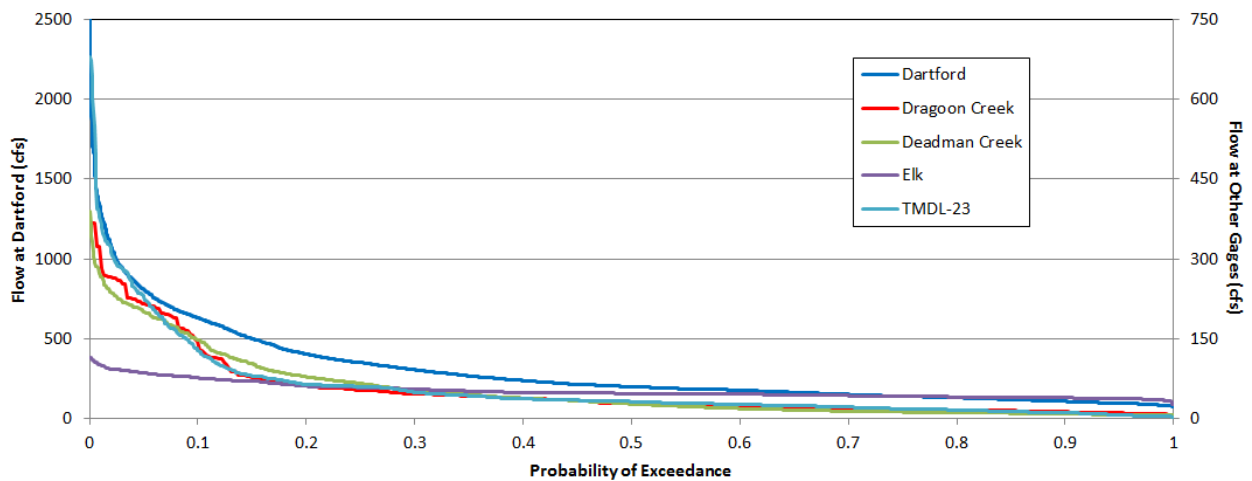


Figure 4.22: Daily flow duration curves for stream gauges in the Little Spokane River watershed.

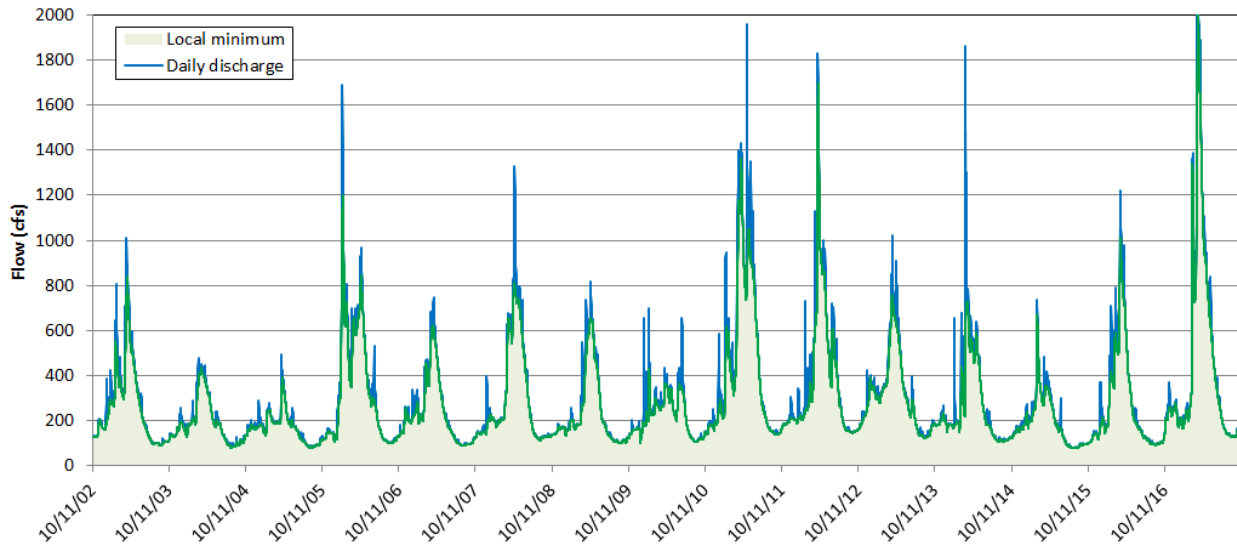


Figure 4.23: Observed daily discharge and estimated baseflow discharge for WY2003 to 2017 at the USGS gauge at Dartford.