

Figure 10.14: Location of alternate stream diversion and artificial recharge infiltration sites represented by injection wells in Layer 1.

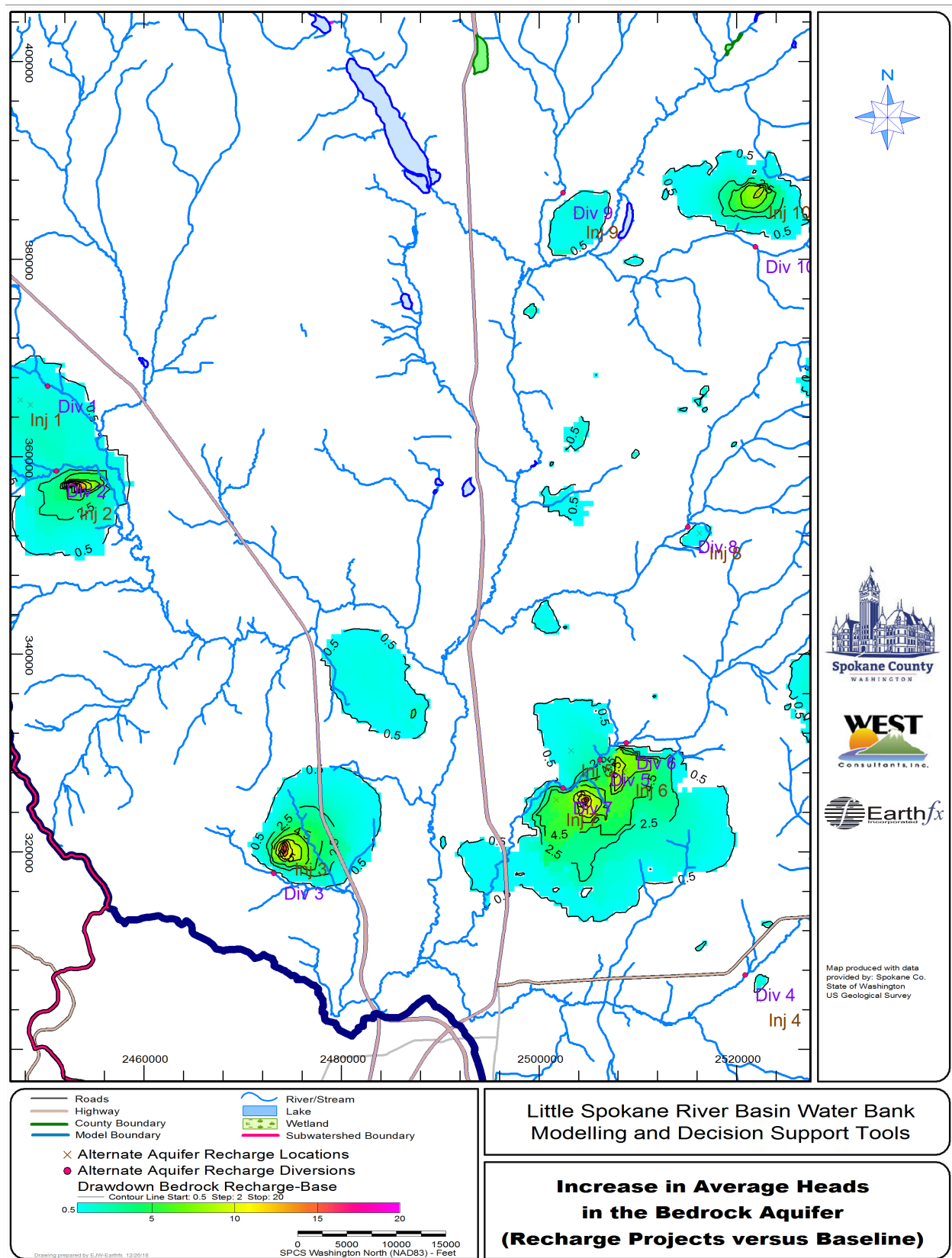


Figure 10.15: Simulated increase in average heads (ft) in the bedrock aquifer with ten aquifer recharge projects.

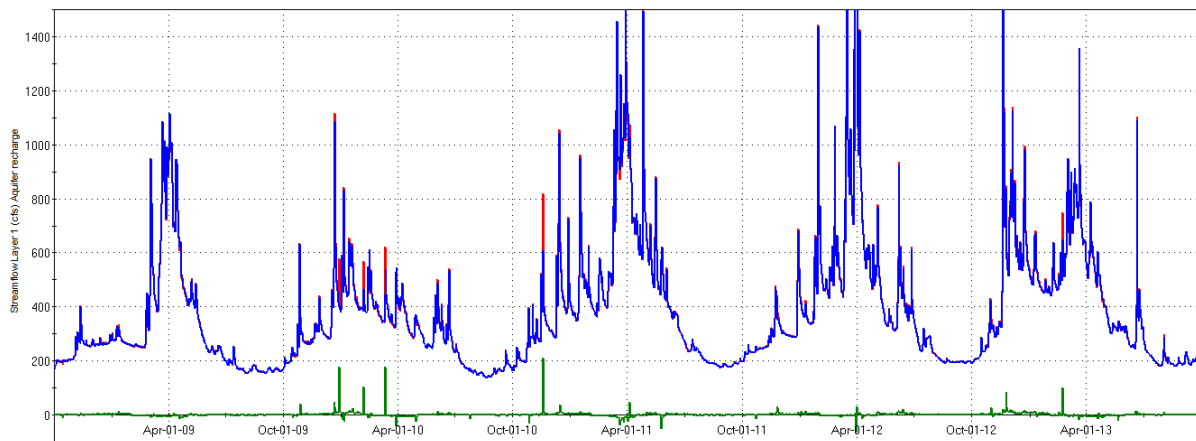


Figure 10.16: Simulated flow at the Dartford gage – baseline (blue) versus recharge projects scenario (red) and change in flow (green).

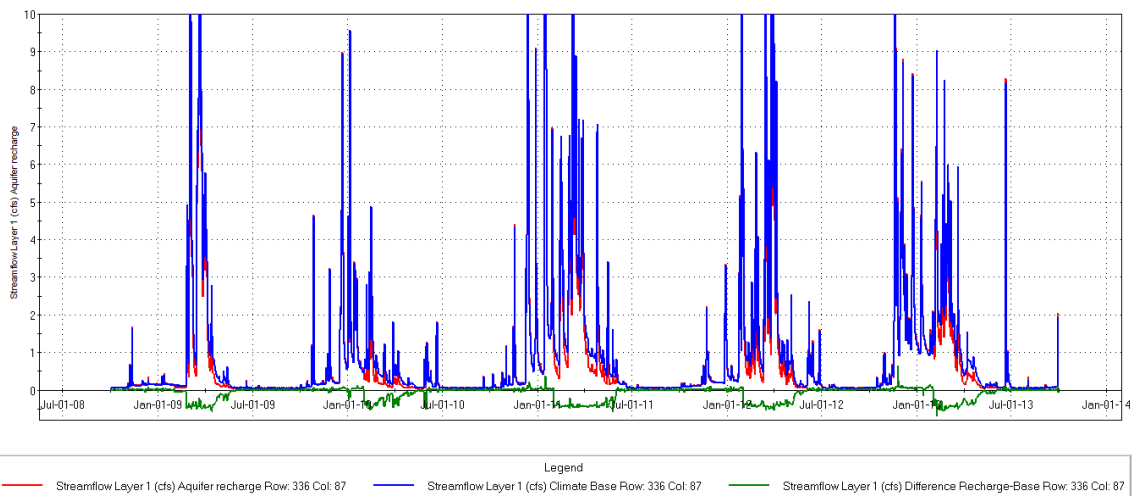


Figure 10.17: Simulated flow at Dartford Creek near Highway 395 – baseline (blue) versus recharge projects scenario (red) and change in flow (green).

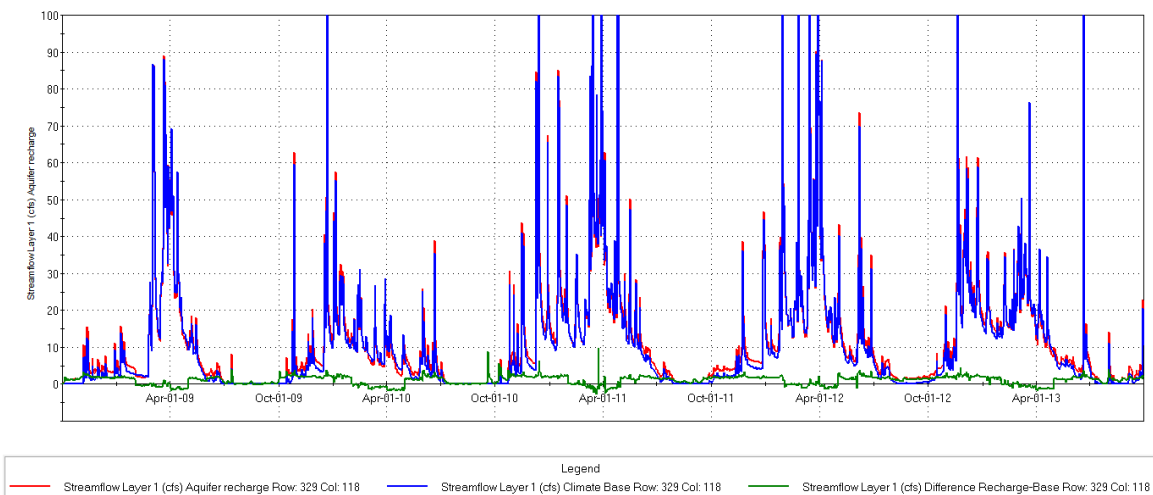


Figure 10.18: Simulated flow at Little Deep Creek near Highway 2 – baseline (blue) versus recharge projects scenario (red) and change in flow (green).

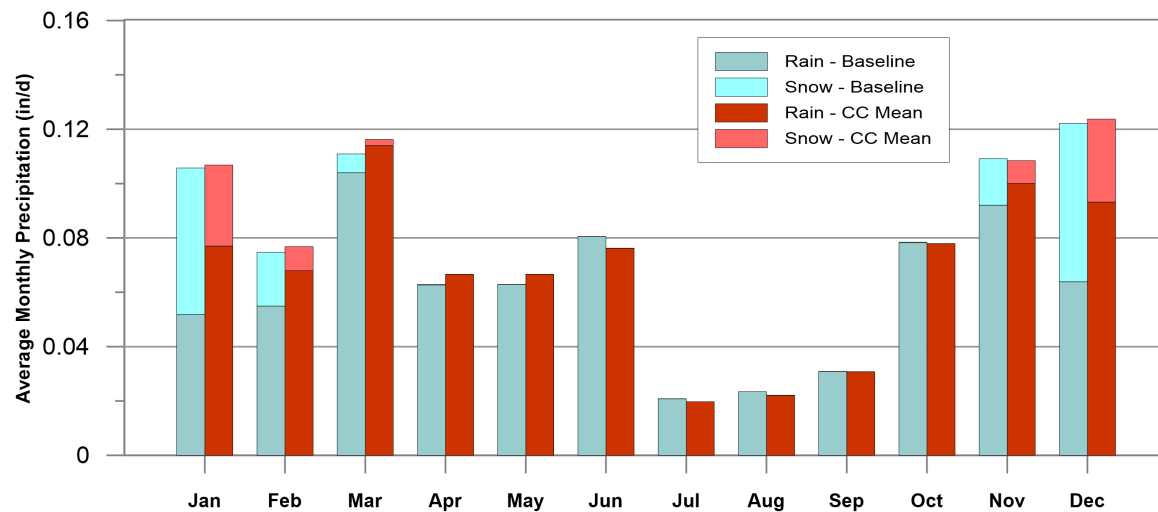


Figure 10.19: Simulated rain and snow for baseline and mean climate change conditions.

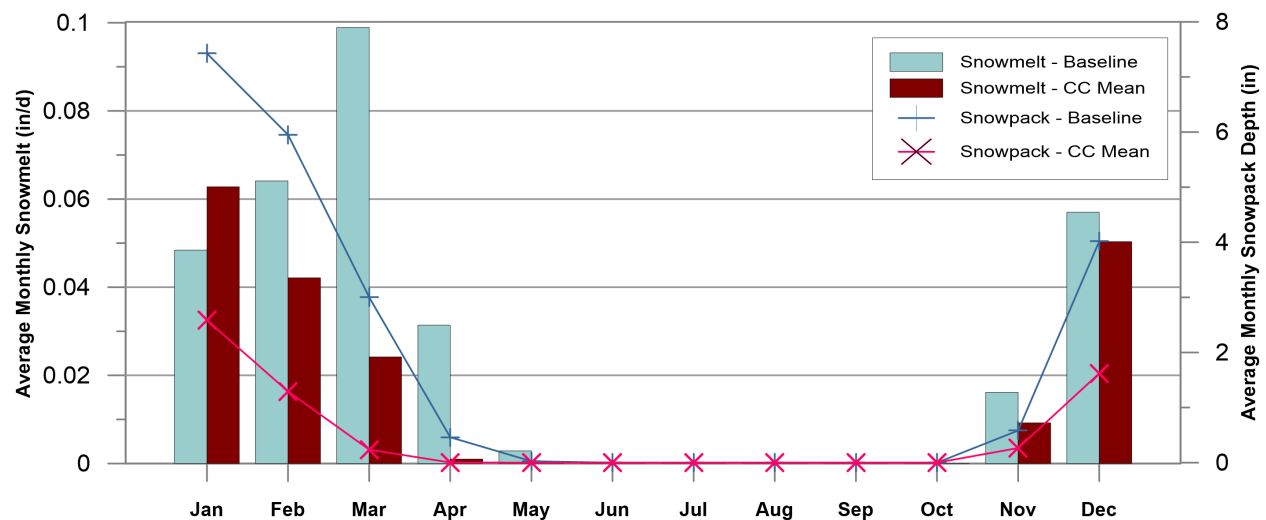


Figure 10.20: Simulated average monthly snowpack depth (in inches) and monthly snowmelt volumes (in in/d over the model area) for the baseline and mean climate change conditions.



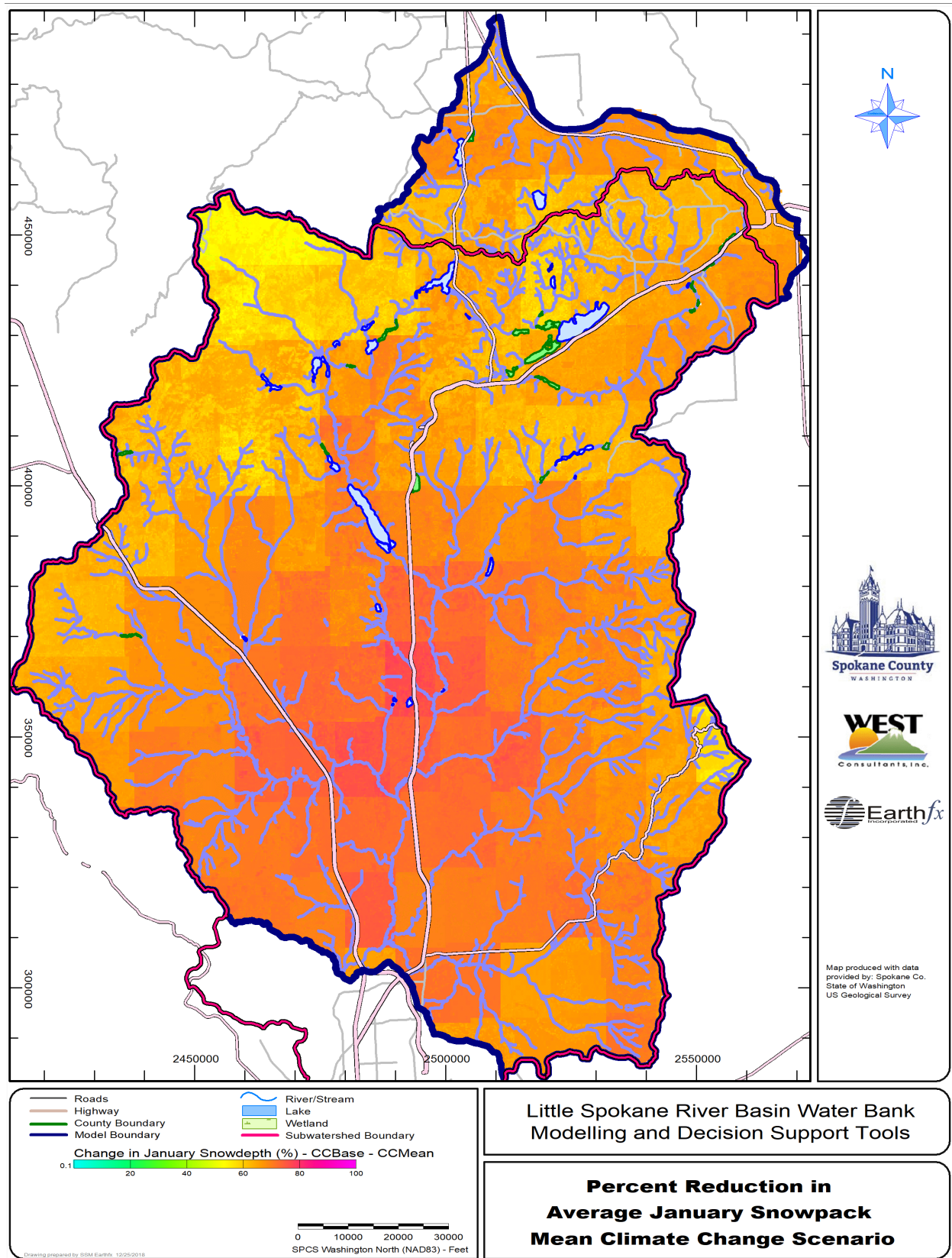


Figure 10.21: Percent reduction in the January snowpack depth (inches) under future climate conditions.

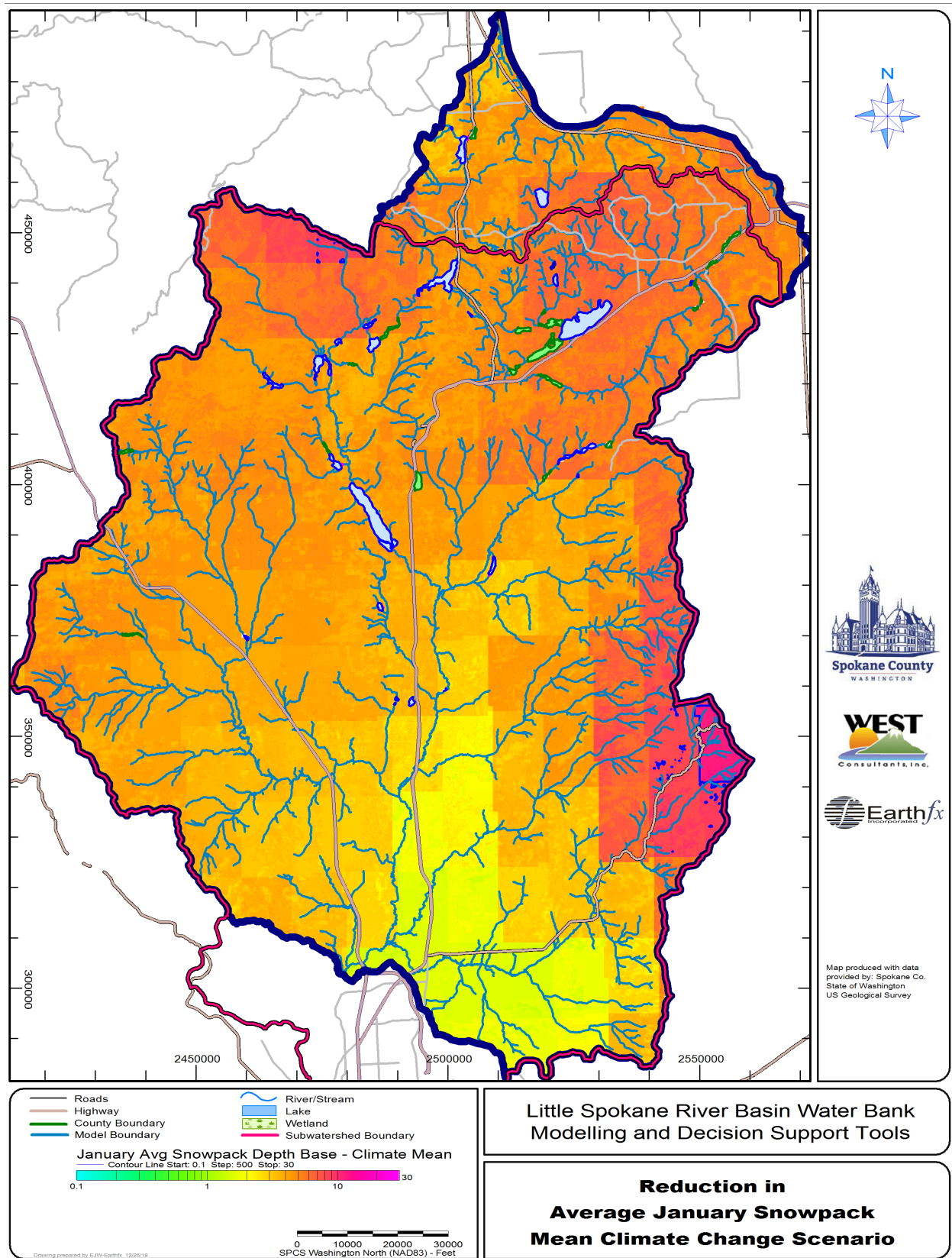


Figure 10.22: Simulated reduction in the January snowpack depth (inches) under future climate conditions.



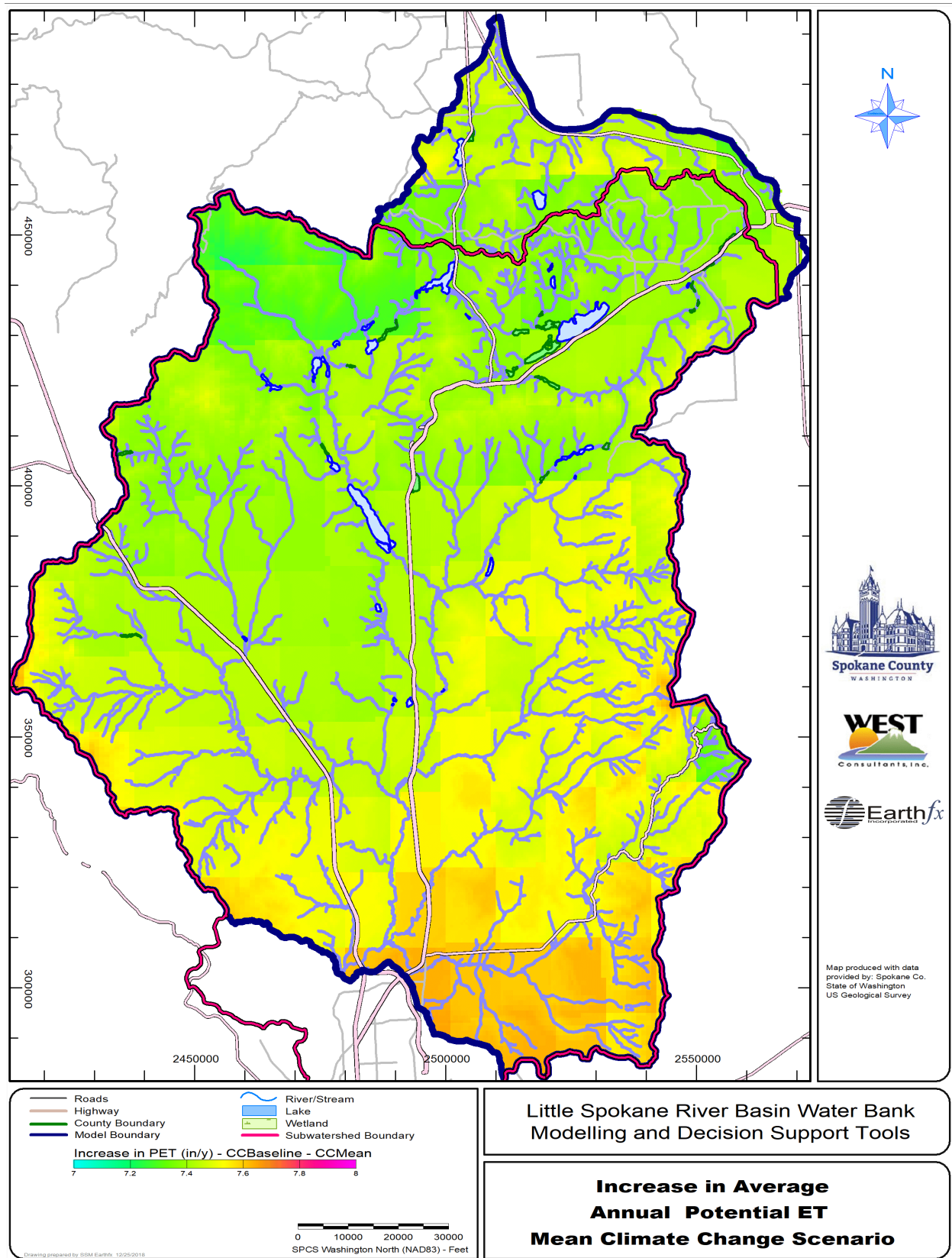


Figure 10.23: Simulated increase in the long-term average PET (inches) for the study area (in/yr) under future climate conditions.

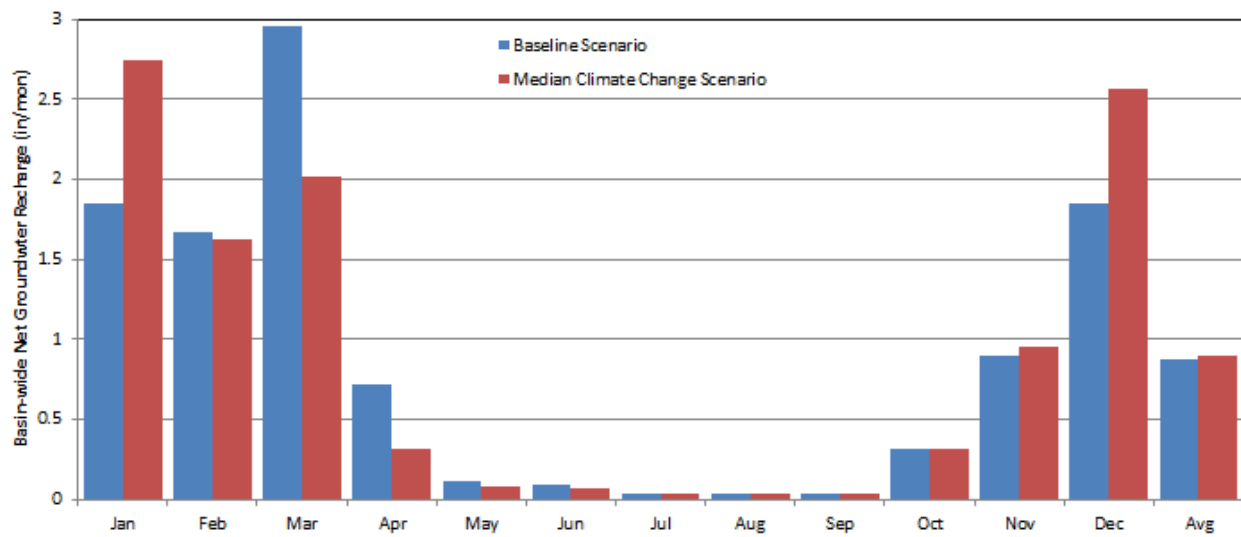


Figure 10.24: Average monthly groundwater recharge for the baseline and future climate scenarios, in inches/month.

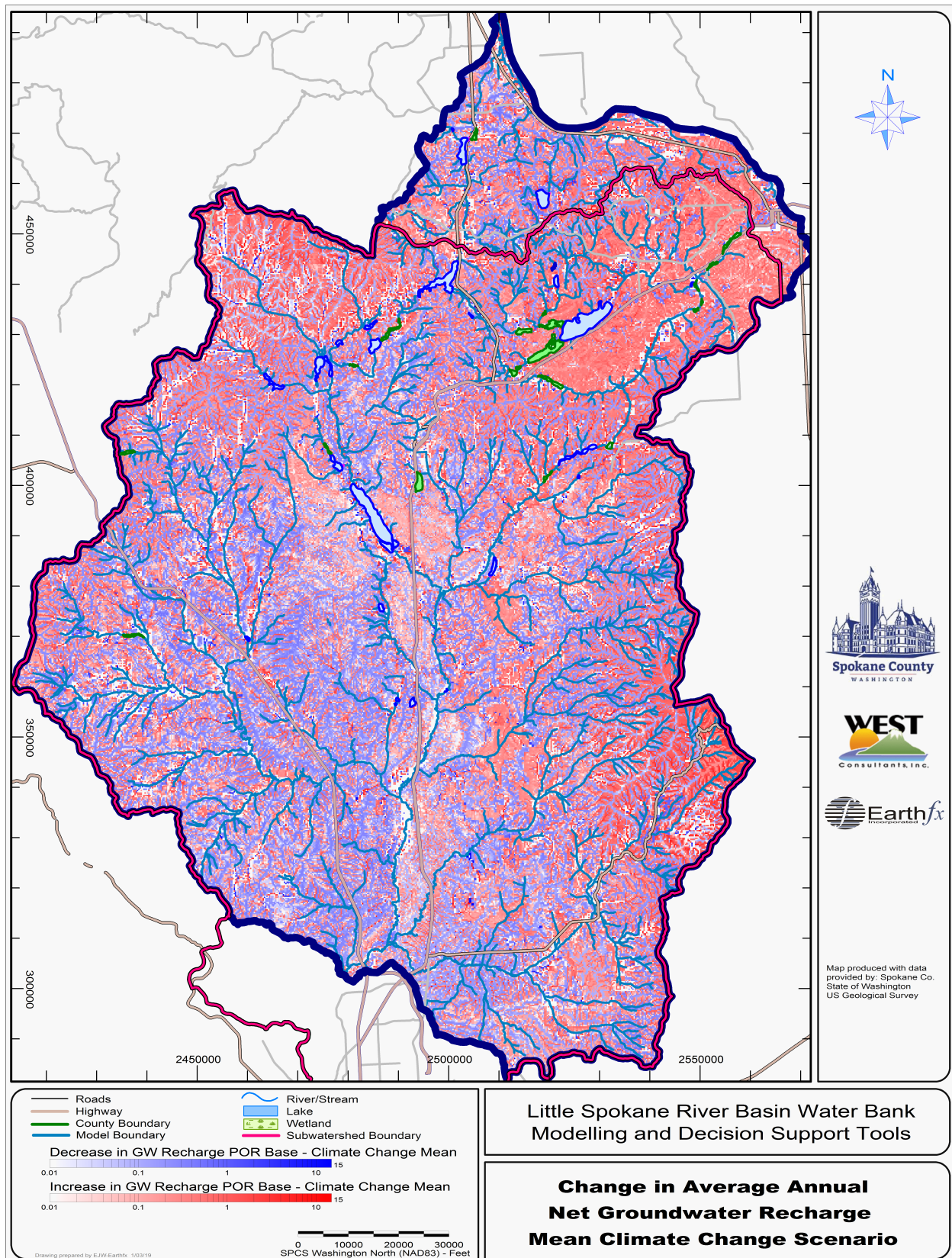


Figure 10.25: Simulated long-term average change in groundwater recharge (in/yr) under future climate conditions.



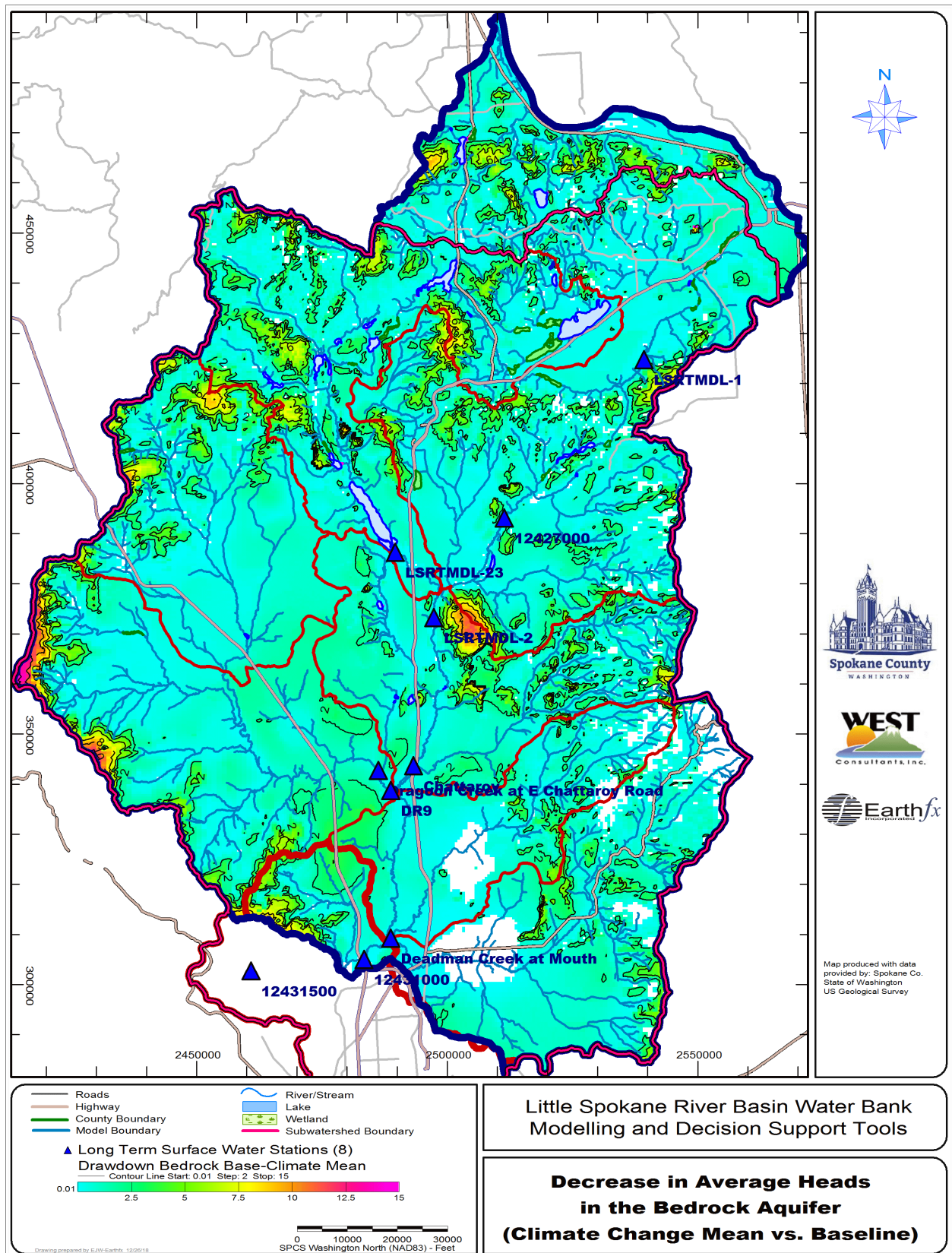


Figure 10.26: Simulated long-term average decrease in bedrock aquifer heads (ft) under future climate conditions.

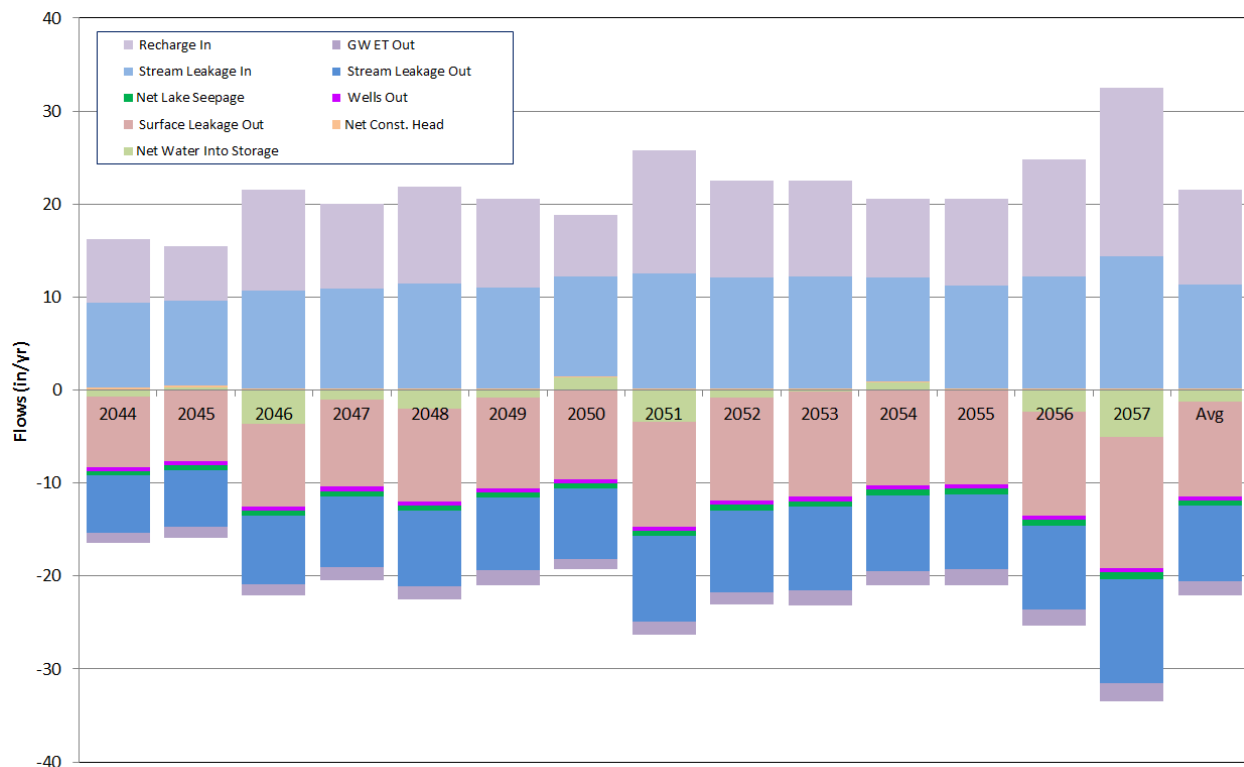


Figure 10.27: Average annual groundwater budget for the LSR watershed under future climate conditions

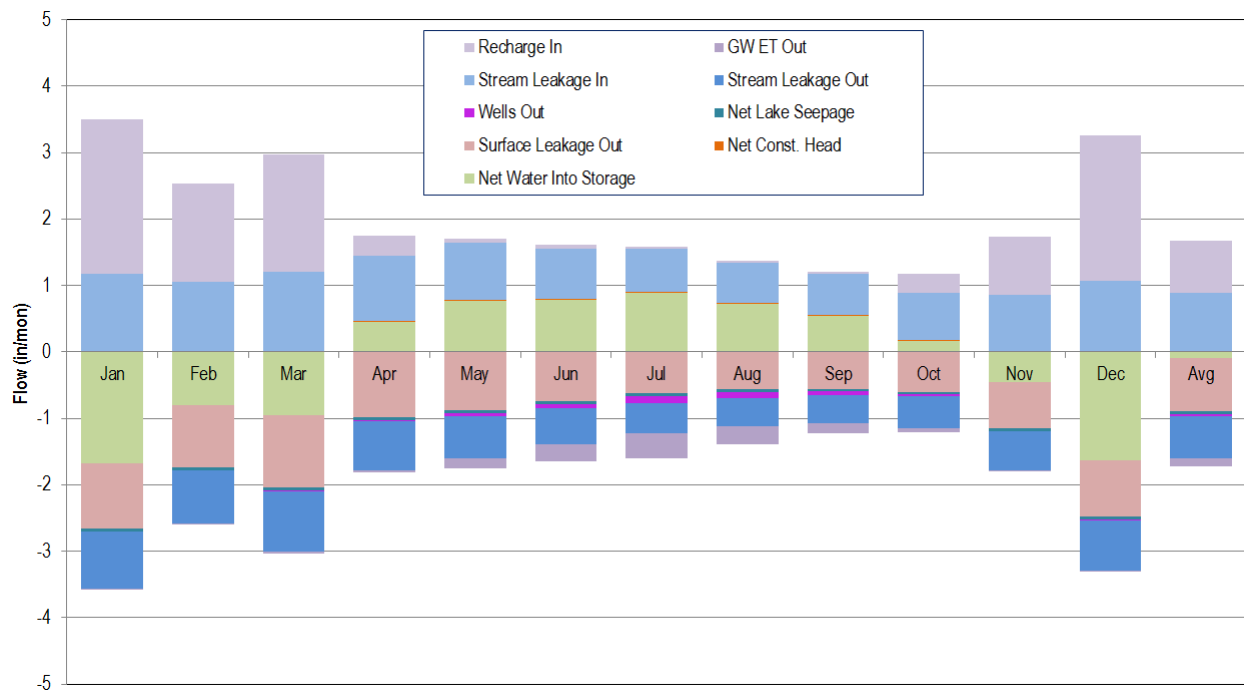


Figure 10.28: Average monthly groundwater budget for the LSR watershed under future climate conditions:

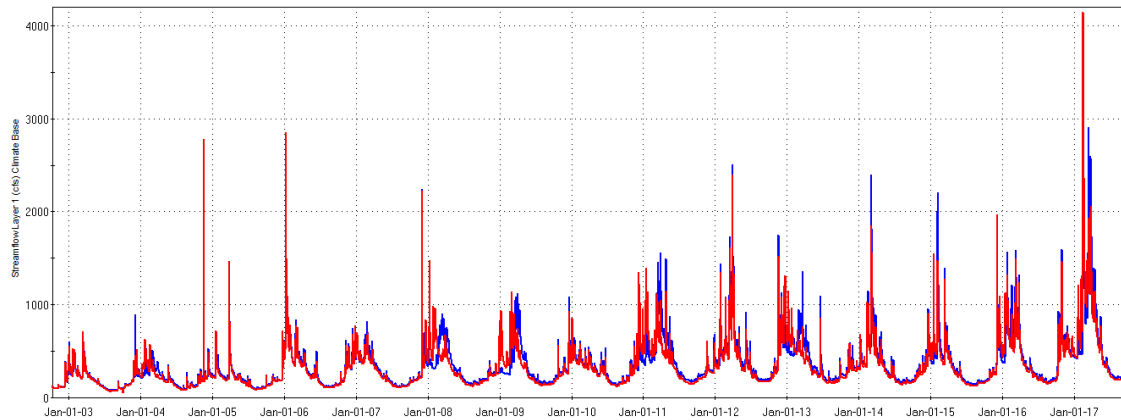


Figure 10.29: Flow at the Dartford gage – baseline (blue) versus mean future (2050) climate change scenario (red).

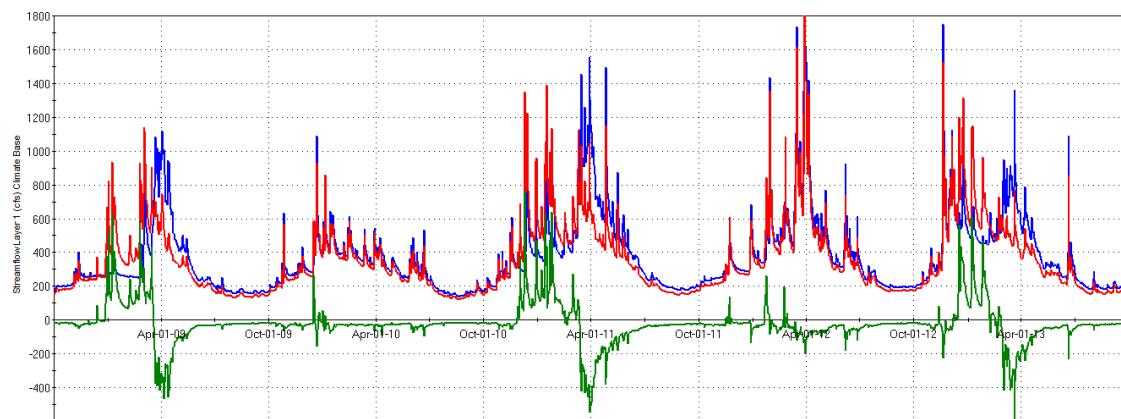


Figure 10.30: Simulated flow at the Dartford gage – baseline (blue) versus mean future (2050) climate change scenario (red) and difference in flow (green) for WY2008-WY2013 (WY2048-WY2053).



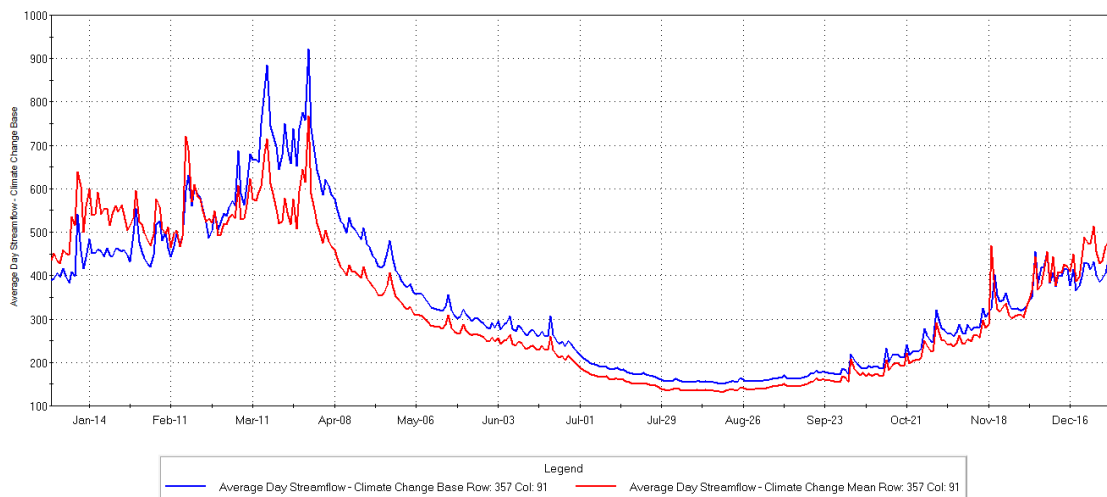


Figure 10.31: Simulated average day flow at the Dartford gage – baseline (blue) versus mean future (2050) climate change scenario (red).

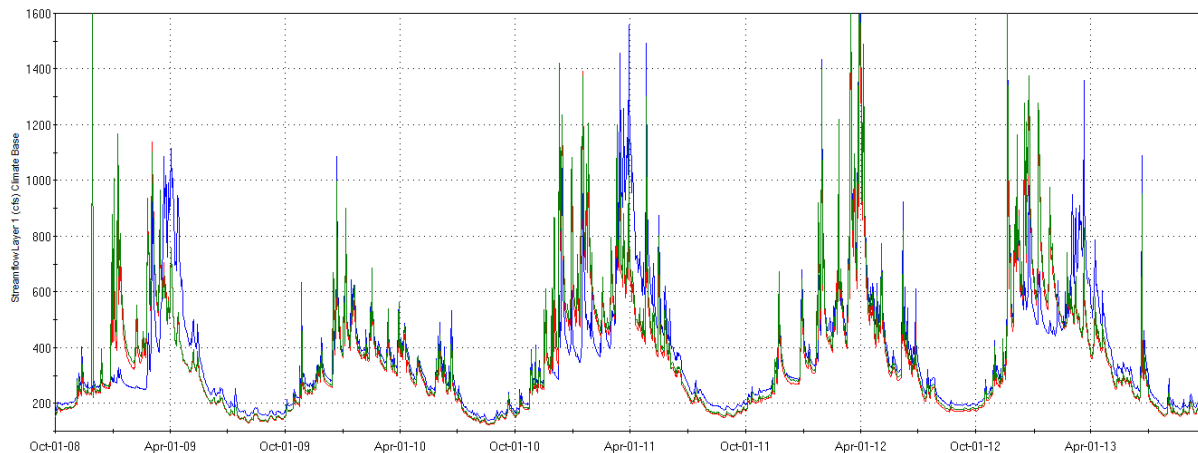


Figure 10.32: Simulated flow at the Dartford gage – baseline (blue) versus mean future (2050) climate change scenario (red) and high range future (2050) climate change scenario (green) for WY2008-WY2013 (WY2048-WY2053).