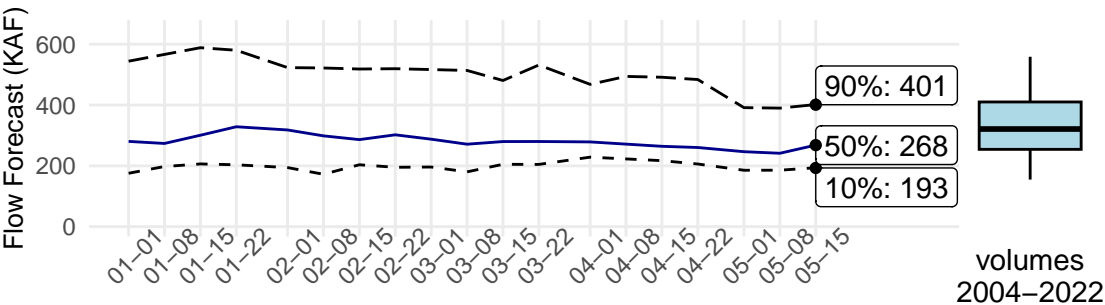
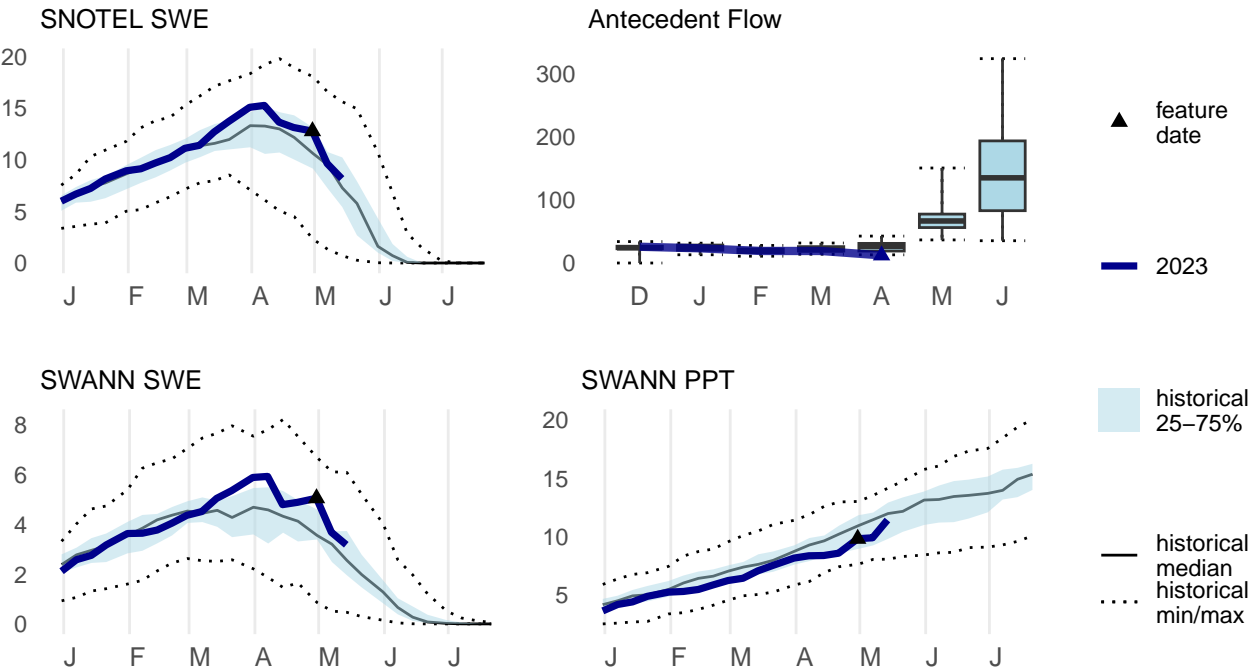


Forecast Communication Output

How forecast and uncertainty bounds evolved in 2023



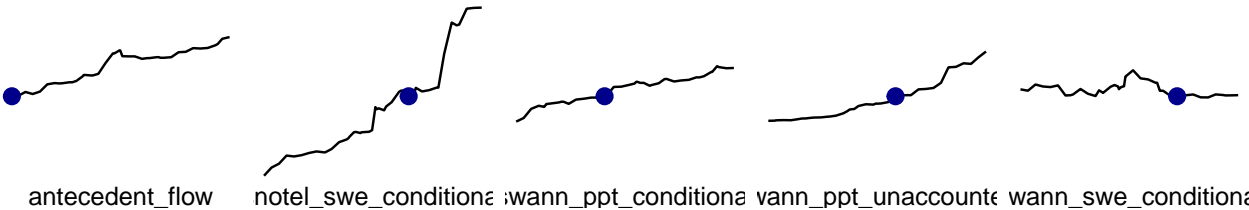
Comparing forecast conditions to historical conditions (2004 - 2022)

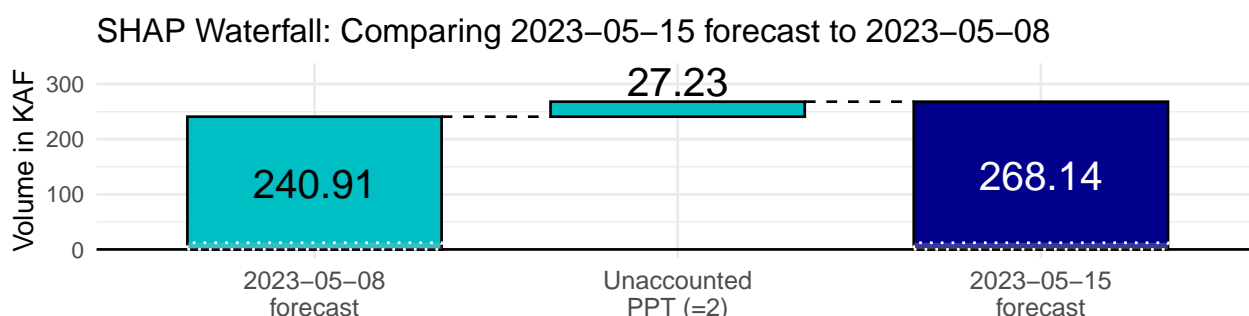
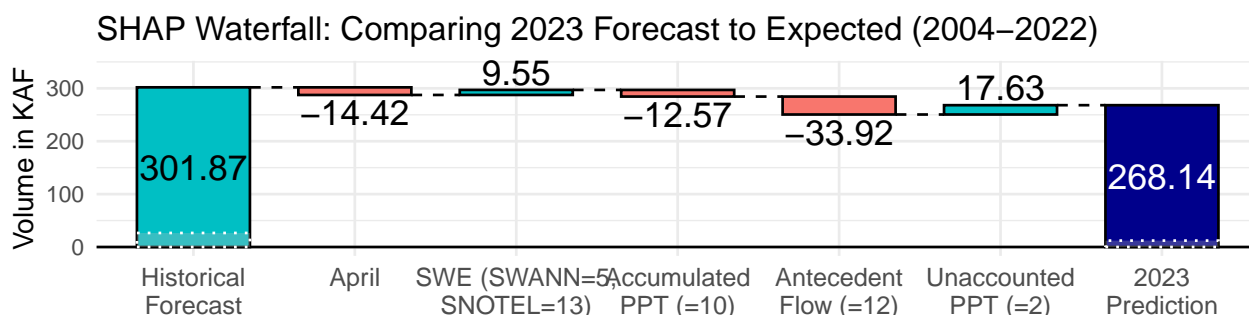


Explainability Communication Output

Forecast Explanation

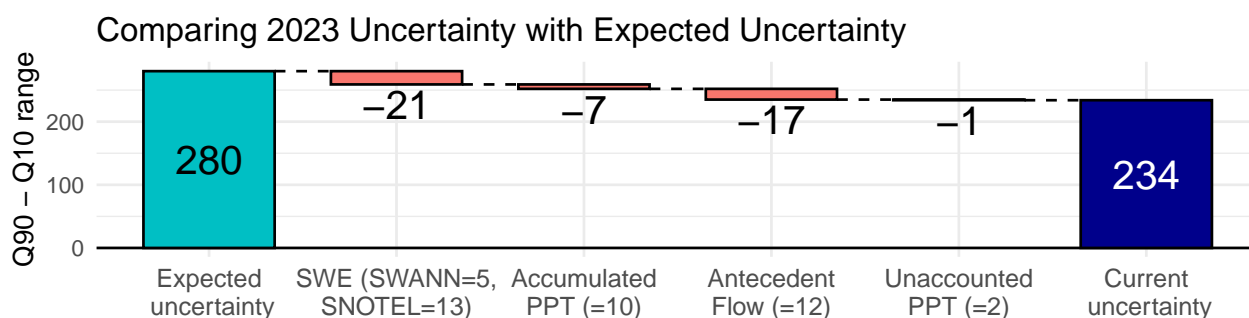
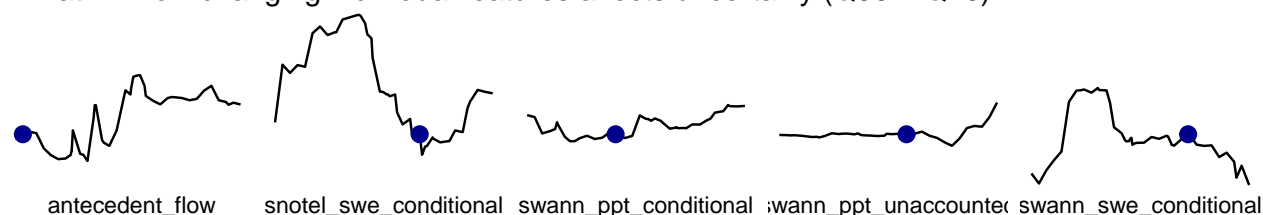
What-if: How changing individual features changes Q50 forecast





Uncertainty Explanation

What–if: How changing individual features affects uncertainty (Q90 – Q10)



Narrative Analysis

The forecasted flow for the Pueblo Reservoir is 268 KAF, with quantiles at 193 (10%) and 401 (90%). Recent SWE estimates are above average while accumulated PPT remains slightly below, but there has been some recent PPT. April flow was 14 KAF below average. These factors contribute to a lower forecast. However, recent PPT increases the forecast compared to both historical forecasts and last week's forecast. Uncertainty is slightly lower than usual.