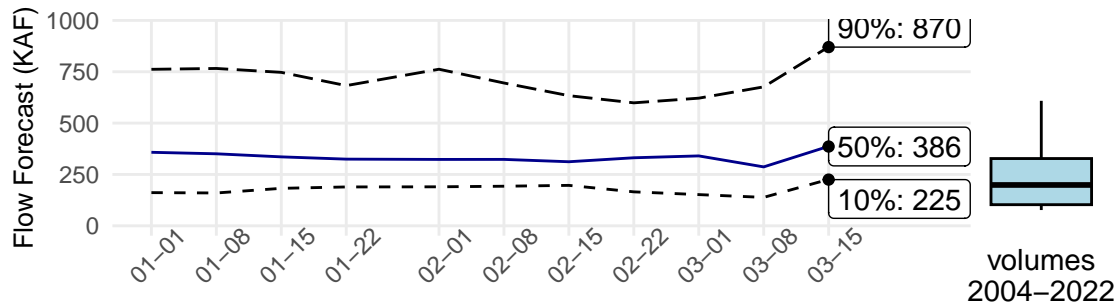
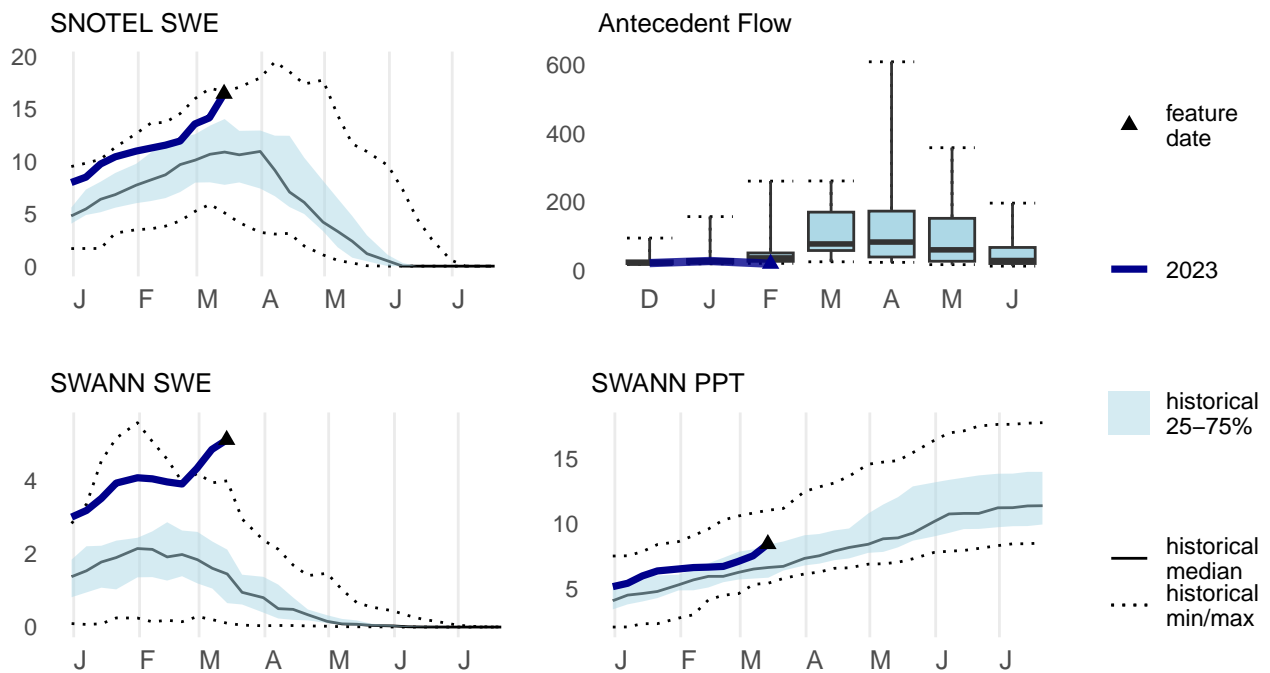


Forecast Communication Output

How forecast and uncertainty bounds evolved in 2023



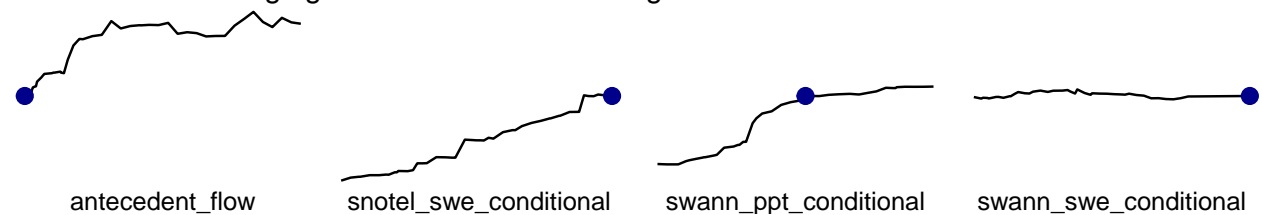
Comparing forecast conditions to historical conditions (2004 - 2022)

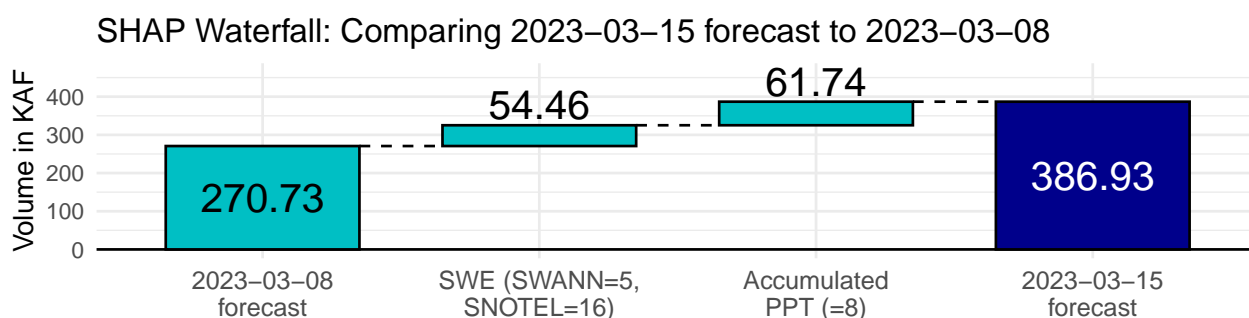
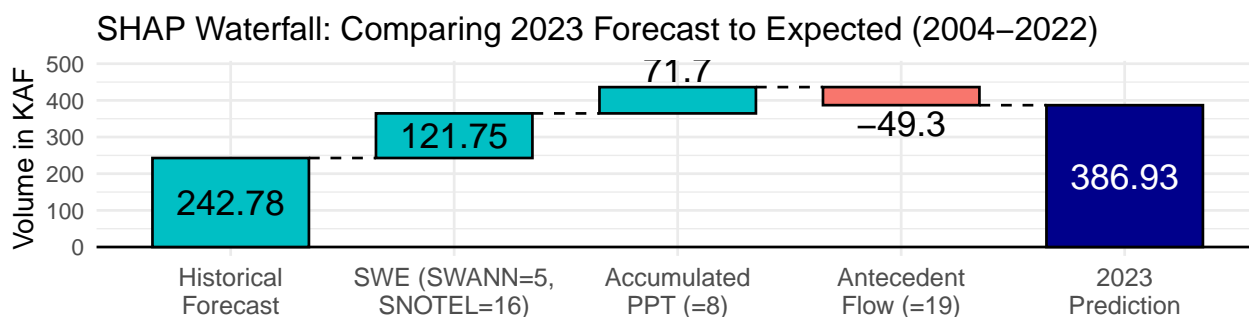


Explainability Communication Output

Forecast Explanation

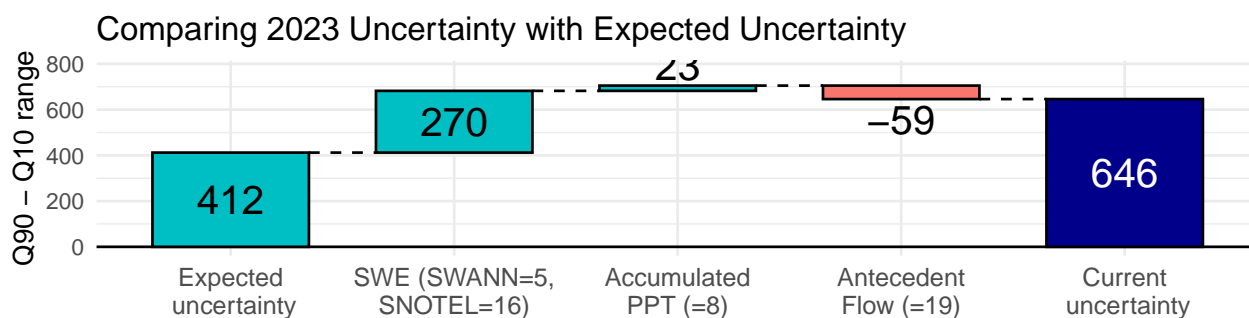
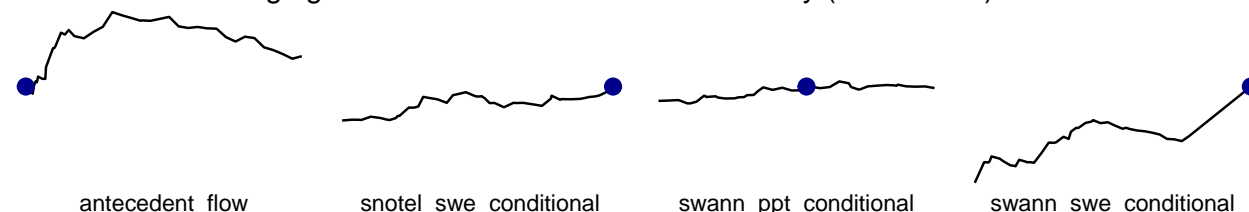
What-if: How changing individual features changes Q50 forecast





Uncertainty Explanation

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



Narrative Analysis

The forecasted flow for Owyhee River (Owyhee Dam) is unusually high at 386 KAF, with quantiles at 225 (10%) and 870 (90%). SWE estimates are at record highs, but antecedent flow in February was low. Snow conditions and accumulated precipitation have contributed to increased flow forecasts, while the below-average antecedent flow decreases it slightly. Substantial PPT and SWE increases last week boosted the forecast. Uncertainty is higher than usual due to the high SWE estimates.