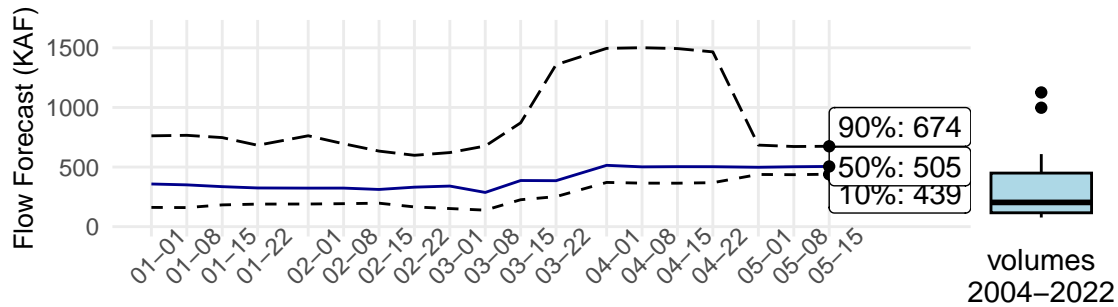


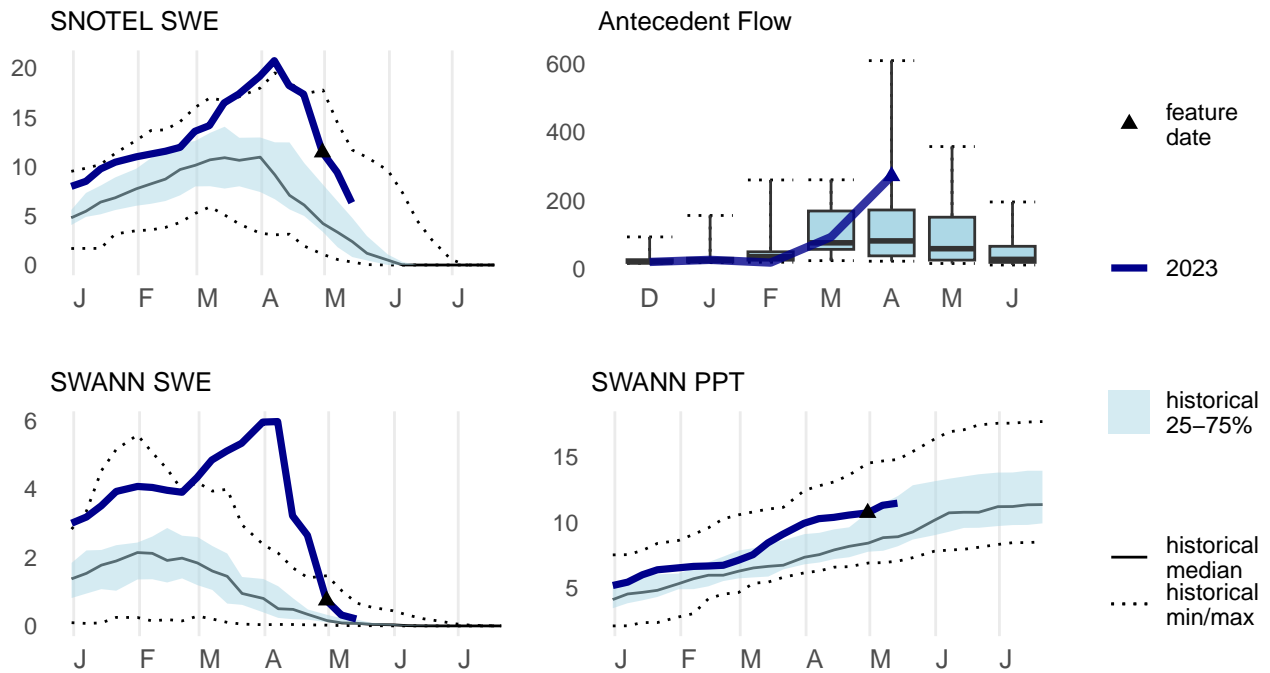
Forecast Report owyhee 2023-05-15

Forecast Communication Output

How forecast and uncertainty bounds evolved in 2023



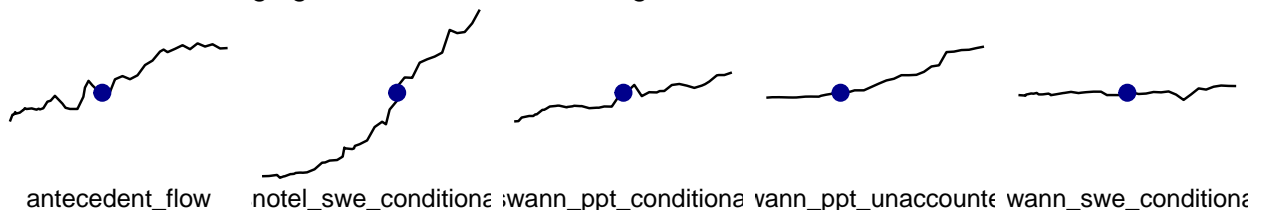
Comparing forecast conditions to historical conditions (2004 - 2022)

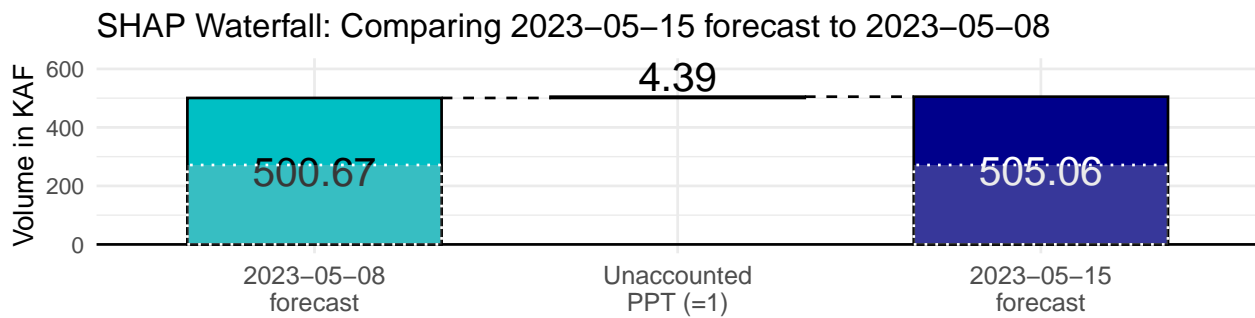
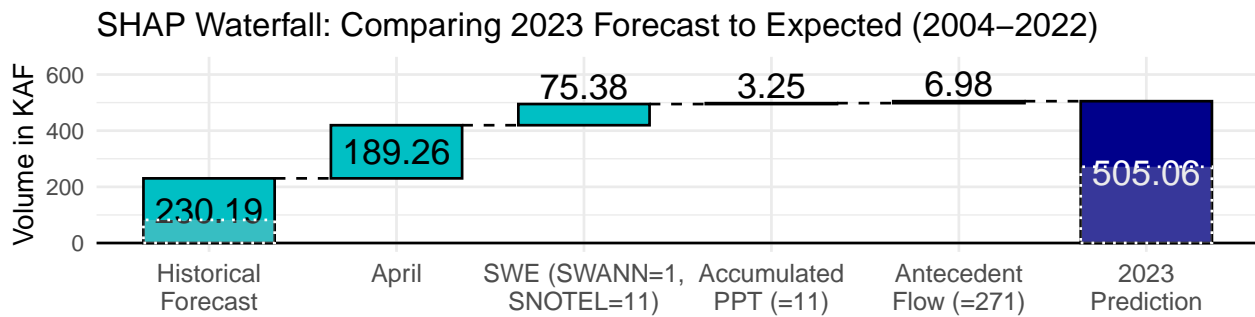


Explainability Communication Output

Forecast Explanation

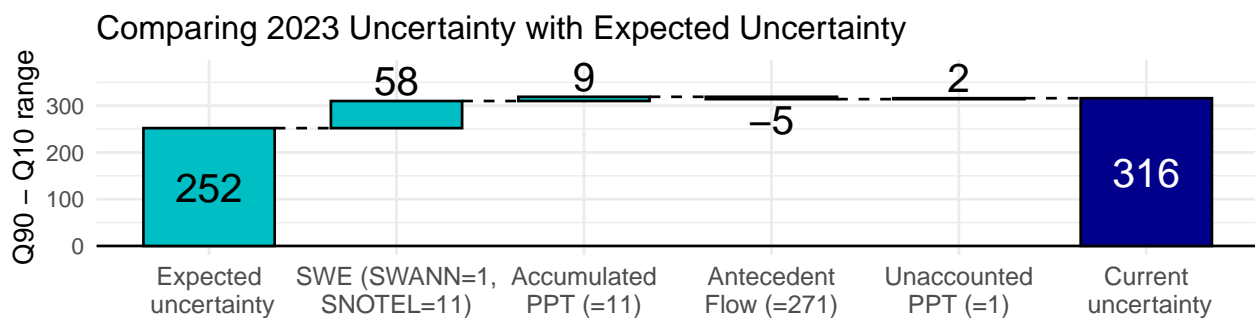
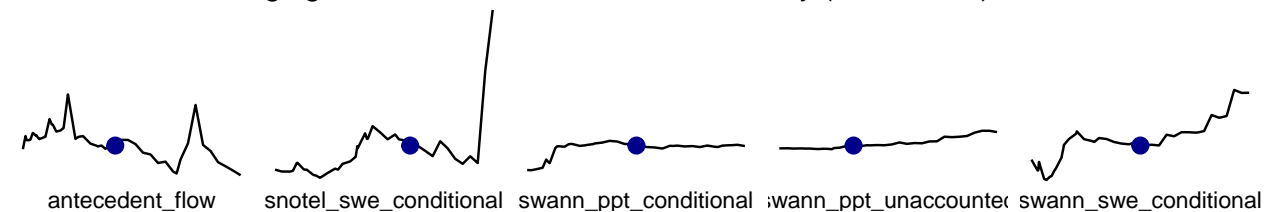
What-if: How changing individual features changes Q50 forecast





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 505 KAF, with quantiles at 439 (10%) and 674 (90%). Unusual amounts of snow have mostly melted, resulting in high flows in March and April. The April flow exceeded typical April flows by 189 KAF. Combined with substantial SWE estimates, the forecasted total flow is very high. Compared to last week, the forecast remains stable. Although the uncertainty is higher than usual due to large SWE estimates, it has decreased substantially since April.