

Yorkshire Water Report to Gouthwaite Board of Management April 2025

2024-2025

Figure 1 shows the reservoir levels from the start of 2024, plus the required and actual compensation releases. The reservoir safety programme at the start of the year required a 2.7m drawdown (equivalent to 53%) for the period May to November. The works continued into the New Year, with the works completed after the end of the drawdown.

The actual releases followed the required releases to late March 2024. Normal operational rules were suspended from late March 2024, when compensation releases were increased to achieve the required drawdown for the reservoir siphon installation by May. When the required drawdown was achieved, the release was maintained at 40MI/d or more until early August despite reservoir levels being in the 22.8MI/d release band in recognition of the need to maintain the required drawdown for reservoir safety works and to provide continued support to Glasshouses fish farm. When levels continued to fall, the release was decreased to 28MI/d. Heavy rainfall in late September resulted in a significant increase in reservoir levels with the reservoir beginning to spill.

Figure 2 shows Gouthwaite historical reservoir stocks (percentage). Considering the drier-than-average period from January to April (so far) that was experienced across YW area this year, there can be seen a decline in Gouthwaite stocks compared to most other years. This has resulted in a reduction in compensation releases, particularly in April 2025.

Figure 3 shows the reservoir stocks plotted with the control lines. It shows that for much of the summer 2024 the stocks fell along control line 7, i.e. 28MI/d required release zone, occasionally falling into control line 8 (22.8 MI/d) in June. The releases made at this time were generally higher than would be required according to the rules for the reservoir level at that time, as additional releases

were made to maintain the reservoir drawdown and to support flows for Glasshouses fish farm.

Figure 1: Gouthwaite Levels and compensation releases

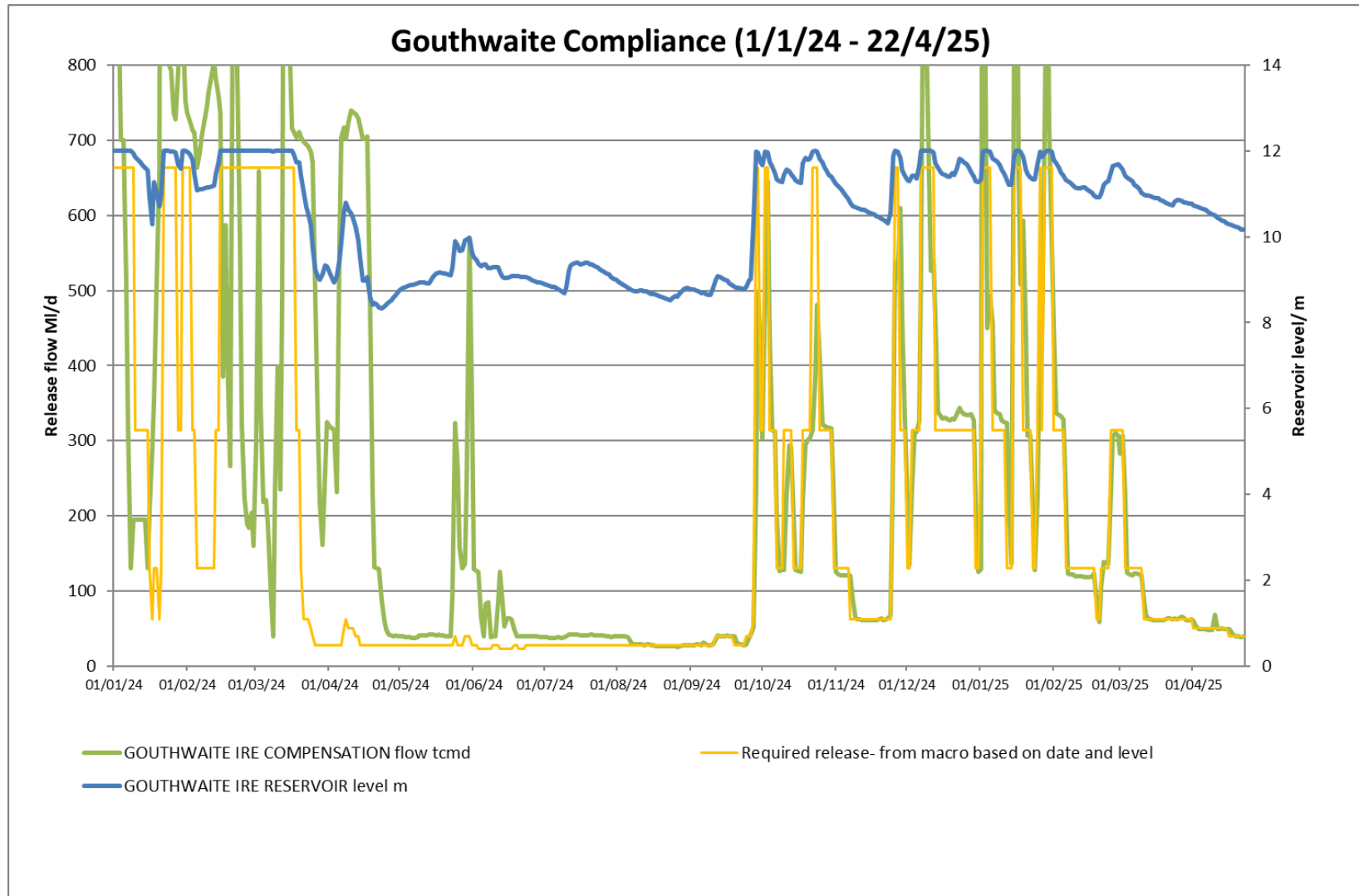


Figure 3: Gouthwaite Control Lines, 2024 weekly reservoir levels, and releases

