

Development Technical Note

Introduction

This technical note details the approach undertaken to assign development to each of the 6 STWs considered in the headroom assessments and water quality modelling.

Development within Swindon

SBC provided details on the development expected within the borough across the Local Plan period (2025-2043).

This includes site allocations in the Local Plan, sites under construction and undeveloped sites with planning permission. For each site, the number of dwellings expected during the plan period and the amount of employment land allocated was provided.

Thames Water provided STW catchment areas, which were used to define the STW that each allocation drains into.

In terms of the windfall allowance, SBC provided a calculated windfall rate of 80 houses/year, which totals 1,120 dwellings by the end of the plan period. To estimate the expected windfall dwellings falling within each STW catchment, the borough-wide number of windfall dwellings (1,120) has been multiplied by the ratio of each STW catchment area to the total area of all 6 STW catchments. The resulting distribution of windfall development is as follows:

- 1009.9 dwellings in Swindon STW,
- 21.1 dwellings in Blunsdon STW,
- 43.0 dwellings in Highworth STW,
- 37.5 dwellings in Wanborough STW,
- 6.2 dwellings in Shrivenham STW,
- 2.3 dwellings in Marlborough STW.

Development in Neighbouring Authorities

Future development in neighbouring authorities also needed to be considered where relevant. The STWs potentially impacted by development in neighbouring authorities are: Swindon, Shrivenham and Marlborough. The majority of the catchment area of Swindon STW is in Swindon Borough, however it does include a small area of Wiltshire to the west. Marlborough and Shrivenham both mostly serve towns of the same name in the neighbouring counties of Wiltshire and the Vale of White Horse, respectively. Within SBC, the villages of Bishopstone and Draycot Foliat drain to Shrivenham and Marlborough respectively.

For Shrivenham STW, the Vale of White Horse District Council provided employment and residential data up to 2043. This includes Joint Local Plan 2041 allocations, Adopted Local Plan 2035 allocations and planning applications with detailed and outline permission. Employment sites with expected number of jobs were also provided up to 2043. This database was sorted to only include developments in the parish of Shrivenham or the adjacent parish of Watchfield; these areas drain to the STW. A total of 141 additional residential dwellings and 36.5 additional jobs are projected to drain to the Shrivenham STW from the Vale of White Horse. These were included in the headroom assessment and water quality modelling.

In terms of Swindon STW and Marlborough STW, Wiltshire Council provided residential data up to 2042. These included windfall sites with full or outline planning permission and adopted Local Plan allocations. Following an assessment of this data, a total of 65 additional dwellings are expected to drain to the Marlborough STW from 2025-2042. These developments were included in the headroom assessment and water quality modelling. No development is expected in the small area of Wiltshire served by the Swindon STW.