

Affinity Water Presentation on the River Misbourne

Summary of the main points that presented during the Little Kingshill Village Society meeting on 27th March 2019

1. Introduction
 - Affinity Water provides water for around 3.6 million customers in three regions: central, east and southeast.
 - The average water demand is around 1000 Million litter of water per day (MI/d)
 - 60% of our supply is form groundwater
2. Water Resources Management Plan 2019
 - We have published our revised Water Resources Management Plan 2019 on 1st March 2019
 - The consultation periods run till until 26th April 2019
 - We appreciate if you provide your view via the following link <https://stakeholder.affinitywater.co.uk/have-your-say.aspx>
3. Water Resources situation
 - Rainfall in January and February was less than the long term average and water resources remain at below average levels. The Water Resources Situation is update regularly in our website <https://www.affinitywater.co.uk/water-resources.aspx>
 - Groundwater levels in our Central region remain in drought zone 2, and are now below the level at which they were at this point in 2018. This is updated regularly in our website <https://www.affinitywater.co.uk/groundwater-central.aspx>
4. Rive Misbourne
 - River Misbourne listed as one of 'Top 40 Low Flow Rivers' by NRA in 1990
 - There had been a 15 MI/d reduction in public water supply abstraction from both Thames Water and Affinity Water sites
 - We reduced abstraction by another 3 MI/d from our public water supply in Amersham in 2018
 - We have planned further reduction of 2 MI/d in 2024

- We have a comprehensive monitoring network along river Misbourne that includes: 15 flow gauging points, 15 water quality sampling points, 12 groundwater level monitoring points, 9 river level monitoring points and 15 macroinvertebrates and macrophytes sampling points
- The collected data will help assess the environment benefit for our reduction of abstraction
- We have a number of river restoration projects that aim to restore the healthy chalk stream in the Misbourne and improve ecology and habitat environment including
 - a. The Isle of Wight Farm project near Gerrards Cross: This project was completed in January 2019 aiming to increase river flow in the main channel during dry seasons
 - b. Amersham and Quarrendon Mill: We have started the outline design and we recently held a stakeholder engagement workshop in order to discuss different options for this section of the river
 - c. Barn Meadow to Church Street, Old Amersham: We have started contacted the landowners to seek their approval to start investigating different options to improve this section of the river

Kind Regards

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Water Resources