



Affinity Water Drought Plan

Strategic Environmental Assessment
Environmental Report Appendix F - TUBs and
NEUBs Assessment Matrices

June 2022

Mott MacDonald
22 Station Road
Cambridge CB1 2JD
United Kingdom

T +44 (0)1223 463500
mottmac.com

Affinity Water Drought Plan

Strategic Environmental Assessment
Environmental Report Appendix F - TUBs and
NEUBs Assessment Matrices

June 2022

Issue and Revision Record

Revision	Date	Originator	Checker	Approver	Description
A	11.03.22	S Soerensen J Fookes	S Robinson	N Levy	Draft issue for review
B	31.03.22	S Soerensen J Fookes	S Robinson	N Levy	Issue for client review prior to consultation
C	04.04.22	S Soerensen J Fookes	S Robinson	N Levy	Issue for consultation with Statutory Consultees
D	06.06.22	S Soerensen J Fookes	S Robinson	N Levy	Issue for public consultation

Document reference: 100383187-024 | 02 | D |

Information class: Standard

This document is issued for the party which commissioned it and for specific purposes connected with the above-captioned project only. It should not be relied upon by any other party or used for any other purpose.

We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

This document contains confidential information and proprietary intellectual property. It should not be shown to other parties without consent from us and from the party which commissioned it.

Contents

F. TUBs and NEUBs Assessment Matrices	3
---------------------------------------	---

F. TUBs and NEUBs Assessment Matrices

Assessment Cover Information	
Option Name	WR21 - WR29 TUBS
Water company	Affinity Water
Option Description	Demand saving option for TUBS in WR21 - WR29

SEA Topic	SEA Objective	Construction Effects		Operational Effects		Comment	Mitigation	Residual Construction Effects		Residual Operational Effects	
		+	-	+	-			+	-	+	-
Biodiversity, flora and fauna	Protect and enhance biodiversity, priority species, vulnerable habitats and habitat connectivity (no loss and improve connectivity where possible)	0	0	+	-	Temporary use bans may help protect biodiversity, GWDTE and priority habitat by conserving water in the natural environment. Localised habitat in private gardens may suffer from temporary loss of watering. The HRA ToCs (2021) undertaken as part of the WRSE regional plan process concluded no likely significant effects anticipated on Natura 2000 sites. No risk of INNS transfer associated with this option.	N/A	0	0	+	-
Soil	Protect and enhance the functionality, quantity and quality of soils	0	0	0	0	A temporary use ban may marginally impact soil quality and create dusty conditions which could result in loss of top soil. However as it a temporary solution, largely affecting private garden the effects are not anticipated to be significant and therefore a neutral score has been identified (assuming it is only for short periods).	N/A	0	0	0	0
Water	Increase resilience and reduce flood risk	0	0	0	0	The option is a temporary use ban and is therefore not likely to affect or be affected by flood risk.	N/A	0	0	0	0
	Protect and enhance the quality of the water environment and water resources	0	0	+	0	The option is temporary and only implemented in drought conditions. The option aims to reduce the water required for supply, therefore preventing a further increase in abstraction which will help maintain river flows and protect ground water and surface water bodies during drought conditions. WFD assessment (2021) undertaken as part of the WRSE regional plan process concluded no deterioration of waterbodies is likely.	N/A	0	0	+	0
	Deliver reliable and resilient water supplies	0	0	+	0	By reducing demand through a temporary use ban, the option maintains resilience of water for essential services.	N/A	0	0	+	0
Air	Reduce and minimise air emissions	0	0	0	0	This option is only to be implemented during drought conditions. There may be some positive effects from a reduction in emissions associated with water supply/treatment, however this is not anticipated to be significant.	N/A	0	0	0	0
Climatic Factors	Reduce embodied and operational carbon emissions	0	0	0	0	No carbon data available. However, it is not anticipated that the option will have a significant effect on carbon emissions.	N/A	0	0	0	0
	Reduce vulnerability to climate change risks and hazards	0	0	+	0	The option is for a temporary use ban. By reducing demand and potentially helping to limit the amount of abstraction required, the option may help reduce vulnerability to climate change by conserving water in the natural environment. However, given this is only to be implemented in drought conditions, it will not result in the long term resilience of the local environment.	N/A	0	0	+	0
Landscape	Conserve, protect and enhance landscape, townscape and seascape character and visual amenity	0	0	0	-	The option may have some minor temporary effects on visual amenity as watering of private gardens, and use of ornamental fountains etc will be restricted.	N/A	0	0	0	-
Historic Environment	Conserve, protect and enhance the historic environment, including archaeology	0	0	0	0	The option is a temporary use ban and is therefore not likely to have a significant effect on the historic environment. However, it could affect the setting of historic gardens or landscape attached to heritage assets if privately owned.	N/A	0	0	0	0
Population and Human Health	Maintain and enhance the health and wellbeing of the local community, including economic and social wellbeing	0	0	0	-	A temporary use ban is likely to have minor negative effects on the community and social wellbeing as there will be restrictions on irrigation of gardens and allotments, use of water for recreational purposes, and use of water for cleaning of cars and domestic properties. There are exemptions for vulnerable groups such as blue badge holders. There may also be a small increased risk of fires in allotments as vegetation dries out.	Ensuring high levels of communication before, during and following the implementation of these measures. Ensure allotment users understand how they can still use water to maintain their plots.	0	0	0	-
	Maintain and enhance tourism and recreation	0	0	0	-	TUBS largely applies to domestic activities, therefore they are unlikely to effects tourism and recreation. However, non-commercial tourism sites and domestic recreation may be affected.	Ensuring high levels of communication before, during and following the implementation of these measures.	0	0	0	-
Material Assets	Minimise resource use and waste production	0	0	0	0	The option is a temporary use ban therefore unlikely to have effect on waste production or resource use.	N/A	0	0	0	0
	Avoid negative effects on built assets and infrastructure	0	0	0	0	The option is a temporary use ban therefore unlikely to have effects on built assets and infrastructure.	N/A	0	0	0	0

Assessment Cover Information	
Option Name	WR21 - WR2 9 NEUBS
Water company	Affinity Water
Option Description	Option for NEUBS in WR21 - WR29

SEA Topic	SEA Objective	Construction Effects		Operational Effects		Comment	Mitigation	Residual Construction Effects		Residual Operational Effects	
		+	-	+	-			+	-	+	-
Biodiversity, flora and fauna	Protect and enhance biodiversity, priority species, vulnerable habitats and habitat connectivity (no loss and improve connectivity where possible)	0	0	+	-	Non essential use bans may help protect biodiversity, GWDTE and priority habitat by conserving water in the natural environment. Localised habitat in public, private and commercial gardens may suffer from temporary loss of watering. The HRA ToIs (2021) undertaken as part of the WRSE regional plan process concluded no likely significant effects anticipated on Natura 2000 sites. No risk of INNS transfer associated with this option.	N/A	0	0	+	-
Soil	Protect and enhance the functionality, quantity and quality of soils	0	0	0	0	A non essential use ban may marginally impact soil quality and create dusty conditions which could result in loss of top soil. However as it a temporary solution the effects are not anticipated to be significant (assuming it is only for short periods).	N/A	0	0	0	0
Water	Increase resilience and reduce flood risk	0	0	0	0	The option is a non-essential use ban and is therefore not likely to affect or be affected by flood risk.	N/A	0	0	0	0
	Protect and enhance the quality of the water environment and water resources	0	0	+	0	The option is temporary and only implemented in drought conditions. The option aims to reduce the water required for supply, therefore preventing a further increase in abstraction which will help maintain river flows and protect ground water and surface water bodies during drought conditions. WFD assessment (2021) undertaken as part of the WRSE regional plan process concluded no deterioration of waterbodies is likely.	N/A	0	0	+	0
	Deliver reliable and resilient water supplies	0	0	+	0	By reducing demand through non-essential use bans, the option maintains resilience of water for essential services.	N/A	0	0	+	0
Air	Reduce and minimise air emissions	0	0	0	0	This option is only to be implemented during drought conditions. There may be some positive effects from a reduction in emissions associated with water supply/treatment, however this is not anticipated to be significant.	N/A	0	0	0	0
Climatic Factors	Reduce embodied and operational carbon emissions	0	0	0	0	No carbon data available. However, it is not anticipated that the option will have an effect on carbon emissions.	N/A	0	0	0	0
	Reduce vulnerability to climate change risks and hazards	0	0	+	0	The option is for a temporary use ban. By reducing demand and potentially helping to limit the amount of abstraction required, the option may help reduce vulnerability to climate change by conserving water in the natural environment. However, given this is only to be implemented in drought conditions, it will not result in the long term resilience of the local environment.	N/A	0	0	+	0
Landscape	Conserve, protect and enhance landscape, townscape and seascape character and visual amenity	0	0	0	-	The option may have some minor temporary effects on visual amenity as watering of public and private gardens, use of ornamental fountains, cleaning of building exteriors and windows will be restricted.	N/A	0	0	0	-
Historic Environment	Conserve, protect and enhance the historic environment, including archaeology	0	0	0	-	The option could affect the setting of historic gardens or landscape attached to heritage assets.	N/A	0	0	0	-
Population and Human Health	Maintain and enhance the health and wellbeing of the local community, including economic and social wellbeing	0	0	0	-	Non-essential use ban is likely to have minor negative effects on the community and social well-being as there will be restrictions on commercial activities that use water (which could affect business operations).	Ensuring high levels of communication before, during and following the implementation of these measures.	0	0	0	-
	Maintain and enhance tourism and recreation	0	0	0	-	Non essential use bans apply to certain commercial activities and could affect tourism assets and recreation (e.g. cleaning of property exterior and windows, effects on garden and landscapes, use of member only swimming pools)	Ensuring high levels of communication before, during and following the implementation of these measures.	0	0	0	-
Material Assets	Minimise resource use and waste production	0	0	0	0	Non-essential use ban therefore unlikely to have effect on waste production or resource use.	N/A	0	0	0	0
	Avoid negative effects on built assets and infrastructure	0	0	0	0	Non-essential use ban therefore unlikely to have effects on built assets and infrastructure.	N/A	0	0	0	0

