

RAPID Gate Three Strategic Resource Option – Hampshire Water Transfer and Water Recycling Project

Supporting Annex 3: Drinking Water Quality and Environmental

July 2024

Contents

- 3. Drinking Water Quality.....3
- 4. Environmental.....4
- 4.1 Summary of Environmental Surveys.....4
- 4.2 Summary of Environmental Activities5

3. Drinking Water Quality

A Collaborative Pathway to a Well-Developed Drinking Water Safety Plan for Havant Thicket Reservoir (HTR)

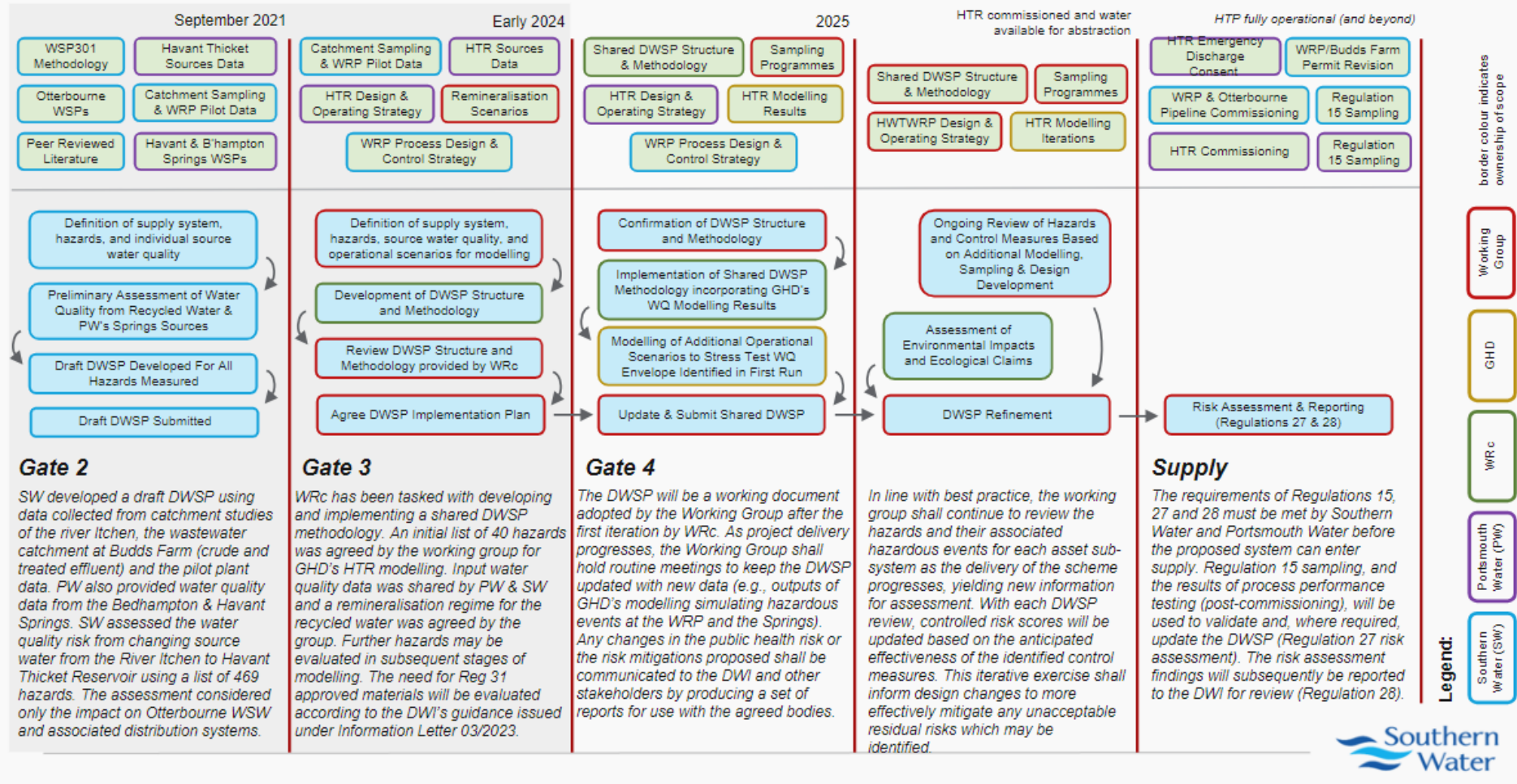


Figure 3-1 - DWSP development pathway for the HWTWRP

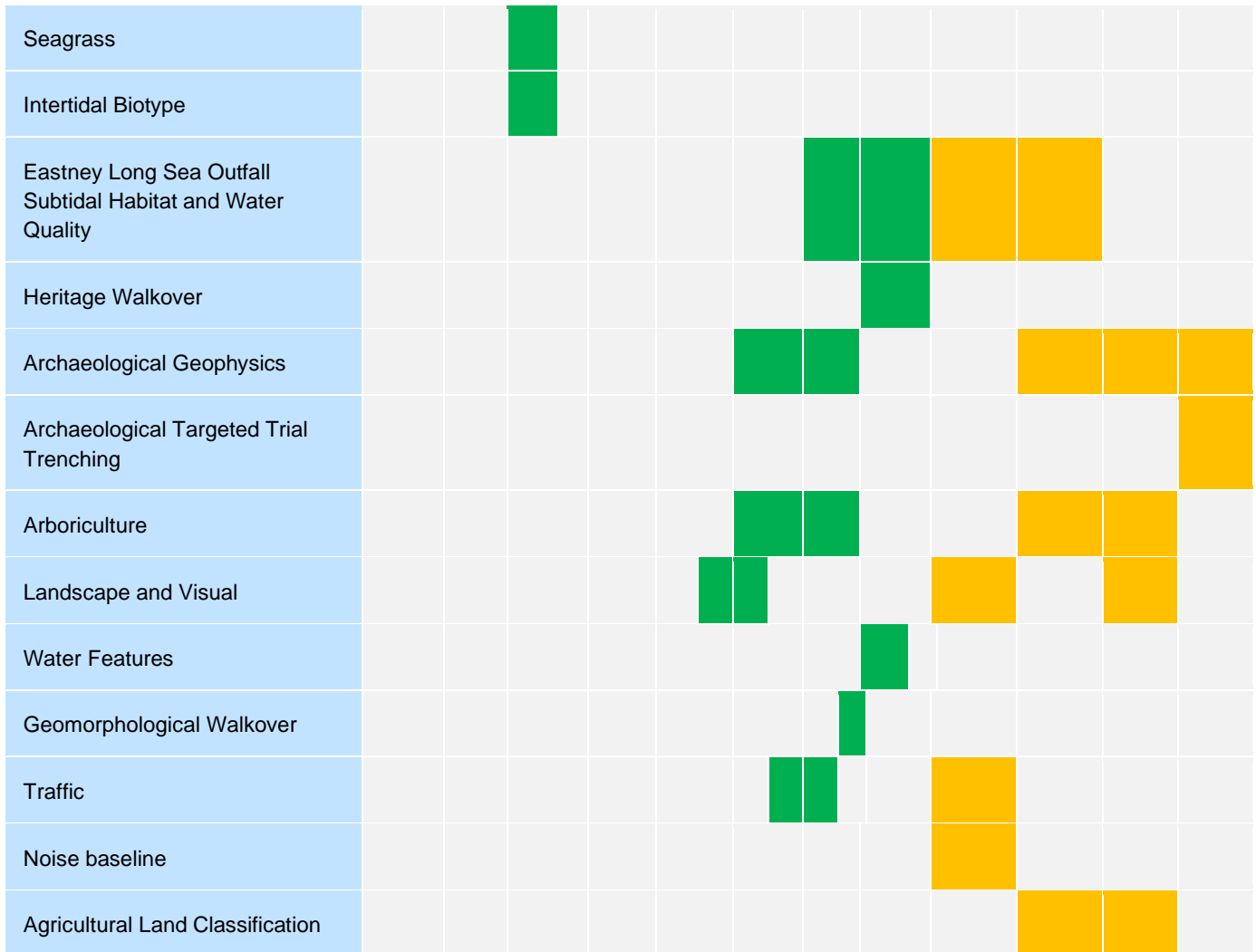
4. Environmental

4.1 Summary of Environmental Surveys

Table 4-1 identifies the suite of environmental surveys that have been completed (shown in green) since Gate Two and are planned to be undertaken (shown in amber) up until Gate Three and beyond where necessary. This list may evolve depending on the findings of the surveys and any developments to the design of the HWTWRP. The timings of these surveys are also subject to change and are dependent on the ability of obtaining land access and the necessary permissions.

Table 4-1 - Summary of Environmental and Water Quality surveys completed and planned.

Survey Type	2022				2023				2024				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
UK Habitat		█	█	█		█	█	█			█	█	█
Badger		█			█	█		█			█	█	█
Dormice		█	█	█		█	█	█			█	█	
Bat		█	█	█	█	█	█	█		█	█	█	
Birds						█	█						
Hedgerow											█	█	
Wintering Birds	█			█	█			█		█			
Great Crested Newts		█											
Otter and Water Voles		█	█			█	█				█	█	
Macroinvertebrates and Diatoms	█	█	█	█	█	█	█	█					
Macrophyte			█										
White Clawed Crayfish			█	█									
Fish			█	█			█	█					
Geophysical and Subtidal of Langstone Harbour		█											
Habitat Walkover of Hermitage Stream		█											
Migratory Fish		█		█		█							



4.2 Summary of Environmental Activities

Where activities are stated in Chapter 4: Environmental, the current timescales of those activities that have been completed (shown in green) and that are to be undertaken (shown in amber) have been outlined within Table 4-2. These timescales are correct at the time of writing and may change depending on the findings of any surveys and any developments to the design of the HWTWRP. These activities are also shown in Chapter 6: Programme and Planning.

Table 4-2 – Outline of environmental activities completed and undertaken.

Activity	2024				2025			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Preliminary Water Environmental Regulations Compliance Assessment	Yellow							
Water Environmental Regulations Compliance Assessment		Yellow	Yellow	Yellow	Yellow			

Hydrological Impact Assessment	Orange	Grey	Orange	Orange	Orange	Grey	Grey	Grey
Water Quality Modelling of Havant Thicket Reservoir	Orange	Orange	Orange	Orange	Grey	Grey	Grey	Grey
Invasive Species Risk Assessment	Orange	Grey	Grey	Grey	Grey	Grey	Grey	Grey
Marine Dispersion Modelling	Orange	Grey	Grey	Grey	Grey	Grey	Grey	Grey
Habitat Regulations Assessment Stage 1	Green	Grey	Grey	Grey	Grey	Grey	Grey	Grey
Habitat Regulations Assessment Draft Stage 2	Grey	Orange	Yellow	Grey	Grey	Grey	Grey	Grey
Habitat Regulations Assessment Final Stage 2	Grey	Grey	Grey	Orange	Orange	Grey	Grey	Grey
Preliminary Environmental Information Report	Orange	Orange	Grey	Grey	Grey	Grey	Grey	Grey
Environmental Statement	Grey	Orange	Orange	Orange	Orange	Grey	Grey	Grey