

Foulkes & Sons Boatyard

Riverside Yard, Blundell Ln, Bursledon,
Southampton SO31 1AA

Supporting Statement, WaFD and WFD
Assessments for Pontoon Works

Compiled by Dr P Tosswell, Lymington Technical Services Ltd

Contents

1. Introduction	2
2. Site Location	2
3. Proposed Works – Slipway Pontoon	3
4. Proposed Works – upstream pontoon	3
5. Method Statement – pontoons	4
6. Navigation	4
7. Flood Risk Assessment	4
8. Waste Framework Directive	5
9. Protected Areas	5
10. Background to Water Framework Directive Assessment	7
11. WFD Assessment	7
12. WFD Impact Assessment & Mitigation	12

1. Introduction

This document details two small pontoon extensions.

An additional pontoon on the slipway (connected to the existing pontoons) will provide better access to the slipway for customers when their vessel is being slipped/launched.

An additional upstream pontoon extension is to facilitate customer berthing.

These works are an addition to the quay wall works consented under F/22/93881. The works have a Marine Management Organisation (MMO) Licence L/2023/00130/1 and a Harbour Works licence from the River Hamble Harbour Authority, approved on 06:10:2023.

2. Site Location

Foulkes and Sons operate a family boatyard (known as Riverside Boatyard) on the west bank of the River Hamble, just north of the railway bridge. The site has been operated by the family for over 80 years.

The image below shows the general site operation outlined in blue.



3. Proposed Works – Slipway Pontoon

The works involve the extension of an existing floating pontoon and an intertidal pontoon installed on the existing slipway.

Drawing 10948/4 shows the proposed works.

The red line on the following image shows the location of the works.



4. Proposed Works – upstream pontoon

The works involve the extension of an existing floating pontoon by 8.5m. Drawing 10948/4 shows the proposed works.

The red line on the following image shows the location of the works.



5. Method Statement - Pontoons

The pontoons will arrive by road and launched down the existing slipway. The extension pontoons will be floated into position and bolted to the end of the existing walkway. The slipway pontoon will be positioned at high water and bolted to the pontoon extension. The shore end will be attached to a bracket on the slipway. No piling is proposed and no marine plant is required.

6. Navigation

There is no change to normal river navigation by these proposals. Passage by small personal craft between the pontoons and shore is not currently practical, nor safe. The proposal will more physically prevent this, and this is a safety improvement.

Vessels that are currently moored inside the southern area (near the quay wall) are not seagoing. If one of these vessels wished to move, the pontoons can be removed temporarily to allow this.

7. Flood Risk Assessment

The proposed works are a fully water compatible minor development.

The actual works cannot be affected by flooding. Nor will the works themselves increase the risk of flooding.

As this is a water compatible minor development the following should be considered:

- i. *Would the works have an adverse effect on the watercourse, floodplain or its flood defences?* The impact on the river flow is insignificant. There is no impact on the floodplain nor any flood defences.
- ii. *Would the works impede access to flood defence and management facilities?* There are no such facilities in the locality and full access to the area remains.
- iii. *Would the cumulative impact of the development have a significant effect on local flood storage capacity or flood flows?* No, the impact of the works is insignificant.

8. Waste Framework Directive

This section follows the guidance contained in the Guidelines on the interpretation of key provisions of Directive 2008/98/EC on waste.

The waste hierarchy sets out 5 methods of dealing with waste – Prevention, Preparing for re-use, Recycling, Other recovery, and Disposal.

6.1 Prevention

Article 3(12) WaFD defines ‘prevention’ as:

‘Measures taken before a substance, material or product has become waste that reduce:

- the quantity of waste, including through the re-use of products or the extension of the life span of products;
- the adverse impacts of the generated waste on the environment and human health; or
- the content of harmful substances in materials and products.

Whilst prevention is not technically a waste management operation it does trigger whether the material becomes waste.

The works are necessary improvements so there is no prevention option.

The works are all new and there is no waste produced. The material to be used is recycled material which makes the proposal fully compliant with the WaFD.

9. Protected Areas

South Marine Plan – This application is for improvements to an existing facility. The works are compliant with the plan. The following Policies are directly relevant:

S-TR-1 & 2 – supports and improves recreational facilities – the proposal is a minor alteration to an existing facility and will improve access.

S-ACC-1 – improvements to access

S-CC-2 – structure is fully compliant with climate change (sea level rise).

This is also compliant with the Marine Policy Statement.

The site is not within a Marine Conservation Zone, either designated, proposed, or recommended.

The proposed works are within an existing boatyard and mooring area, with high leisure usage and within the following protected sites –

Solent & Dorset Coast Special Protection Area (SPA) – UK9020330. No impact likely.

Coastal Sensitive Areas (Eutrophic) – Hamble Estuary (UKENCA123), Nitrate sensitivity. The nature of the existing activities and the proposed works is such that there will be no change to eutrophication.

The works are nearby (within 2km) the following sites:

SAC – Solent Maritime (UK0030059). The works are outside this boundary, as are similar yards and marinas.

Ramsar - Solent and Southampton Water (UK11063). This covers two areas, one upstream and one downstream. Both are over 700m away and the works can have no possible impact.

SPA - Solent & Southampton Water (UK9011061). This covers two areas, one upstream and one downstream. Both are over 700m away and the works can have no possible impact.

SSSI – Lincegrove and Hackett's Marshes (downstream of site), and Upper Hamble Estuary and Woods (upstream of site). Both are over 700m away and the works can have no possible impact.

Local Nature Reserves – Manor Farm and Hackett's Marsh. Both are approximately 750m away and the works can have no possible impact.

Further details regarding potential impacts are detailed in the accompanying document Environmental Information 10948 Rpt6.

WFD Habitats (from MAGIC website) – higher sensitivity – saltmarsh on the intertidal areas both upstream and downstream of the works area. The area upstream is shown to be along the seaward edge of the marsh and separated from the works by existing vessel moorings. The downstream saltmarsh is shown as being southwest of the yard boundary and is separated from the works area by existing hardstanding and slipway. There is no possibility of impact from the proposed works.

WFD Habitats (from MAGIC website) – lower sensitivity – intertidal soft sediment indicated on the works area. The accuracy of this data is questionable at the scale of these works.

10. Background to Water Framework Directive Assessment

The purpose of a Water Framework Directive (WFD) assessment is to determine whether the proposed works will compromise the attainment of a WFD objective or result in the deterioration of the current ecological status of the relevant waterbodies.

The process consists of 3 stages –

Stage 1 – The Screening Stage

This stage is used to identify activities which need to be considered further (i.e. excludes those which do not require further assessment).

Stage 2 – The Scoping Stage

This stage identifies the potential risks to the following receptors:

- Hydromorphology
- Biology – habitats
- Biology – fish
- Water quality
- Protected areas

Stage 3 – Impact Assessment

This stage examines whether the activity will have a significant non-temporary effect on each receptor.

11. WFD Assessment

The assessment uses the online EA tables which are reproduced in the following pages.

The Catchment Data Explorer provides data updated 03:08:23.

11.1 Screening & Scoping Stage - WFD Tables for activities in estuarine and coastal waters

Activity	Description, notes or more information
Applicant name	<i>Foulkes & Sons Boatyard</i>
Application reference number (where applicable)	<i>n/a</i>

Name of activity	<i>Riverside Boatyard, installation of small pontoon extensions.</i>
Brief description of activity	<i>Installation of pontoons.</i>
Location of activity (central point XY coordinates or national grid reference)	<i>449429,110020</i>
Footprint of activity (ha)	<i>0.0048 ha</i>
Timings of activity (including start and finish dates)	<i>Dependent upon Marine Licence and plant availability.</i>
Extent of activity (for example size, scale frequency, expected volumes of output or discharge)	<i>Anticipated to take 2 weeks spread over suitable tides.</i>
Use or release of chemicals (state which ones)	<i>No</i>

Water body¹	Description, notes or more information
WFD water body name	<i>Southampton Water</i>
Water body ID	<i>GB20704202800</i>
River basin district name	<i>South East</i>
Water body type (estuarine or coastal)	<i>Transitional Water (Estuarine in summary table)</i>
Water body total area (ha)	<i>3123.51</i>
Ecological status (2022)	<i>Moderate</i>
Chemical status (2019)	<i>Fail (2022 does not require assessment)</i>
Target water body status and deadline	<i>Ecological moderate by 2015, Chemical good by 2063</i>
Hydromorphology status of water body (2012)	<i>Supports good</i>
Heavily modified water body and for what use	<i>Yes – coastal, flood protection, navigation ports and harbours</i>
Higher sensitivity habitats present	<i>Yes</i>
Lower sensitivity habitats present	<i>Yes</i>
Phytoplankton status	<i>High from summary table</i>
History of harmful algae	<i>No</i>
WFD protected areas within 2km	<i>Yes</i>

Specific risk to receptors -

Section 1: Hydromorphology

Consider if your activity:	Yes	No	Hydromorphology risk issue(s)
Could impact on the hydromorphology (for example morphology or tidal patterns) of a water body at high status	Requires impact assessment	Impact assessment not required	No
Could significantly impact the hydromorphology of any water body	Requires impact assessment	Impact assessment not required	No
Is in a water body that is heavily modified for the same use as your activity	Requires impact assessment	Impact assessment not required	Yes

Section 2: Biology

Habitats

Higher sensitivity habitats ²	Lower sensitivity habitats ³
chalk reef	cobbles, gravel and shingle
clam, cockle and oyster beds	intertidal soft sediments like sand and mud
intertidal seagrass	rocky shore
maerl	subtidal boulder fields
mussel beds, including blue and horse mussel	subtidal rocky reef
polychaete reef	subtidal soft sediments like sand and mud
saltmarsh	
subtidal kelp beds	
subtidal seagrass	

² Higher sensitivity habitats have a low resistance to, and recovery rate, from human pressures.

³ Lower sensitivity habitats have a medium to high resistance to, and recovery rate from, human pressures.

Consider if the footprint ⁴ of your activity is:	Yes	No	Biology habitats risk issue(s)
0.5km ² or larger	Yes to one or more – requires impact assessment	No to all – impact assessment not required	No
1% or more of the water body's area			No
Within 500m of any higher sensitivity habitat			Yes
1% or more of any lower sensitivity habitat			No

⁴ Note that a footprint may also be a temperature or sediment plume. For dredging activity, a footprint is 1.5 times the dredge area.

Fish

Consider if your activity:	Yes	No	Biology fish risk issue(s)
Is in an estuary and could affect fish in the estuary, outside the estuary but could delay or prevent fish entering it or could affect fish migrating through the estuary	Continue with questions	Go to next section	No
Could impact on normal fish behaviour like movement, migration or spawning (for example creating a physical barrier, noise, chemical change or a change in depth or flow)	Requires impact assessment	Impact assessment not required	No
Could cause entrainment or impingement of fish	Requires impact assessment	Impact assessment not required	No

Section 3: Water quality

Consider if your activity:	Yes	No	Water quality risk issue(s)
Could affect water clarity, temperature, salinity, oxygen levels, nutrients or microbial patterns continuously for longer than a spring neap tidal cycle (about 14 days)	Requires impact assessment	Impact assessment not required	No.
Is in a water body with a phytoplankton status of moderate, poor or bad	Requires impact assessment	Impact assessment not required	No
Is in a water body with a history of harmful algae	Requires impact assessment	Impact assessment not required	No

If your activity uses or releases chemicals (for example through	Yes	No	Water quality
--	-----	----	---------------

sediment disturbance or building works) consider if:			risk issue(s)
The chemicals are on the Environmental Quality Standards Directive (EQSD) list	Requires impact assessment	Impact assessment not required	No
It disturbs sediment with contaminants above Cefas Action Level 1	Requires impact assessment	Impact assessment not required	No

If your activity has a mixing zone (like a discharge pipeline or outfall) consider if:	Yes	No	Water quality risk issue(s)
The chemicals released are on the Environmental Quality Standards Directive (EQSD) list	Requires impact assessment ⁵	Impact assessment not required	No

⁵ Carry out your impact assessment using the Environment Agency's surface water pollution risk assessment guidance, part of Environmental Permitting Regulations guidance.

Section 4: WFD protected areas

Consider if WFD protected areas are at risk from your activity. These include:

- special areas of conservation (SAC)
- special protection areas (SPA)
- shellfish waters
- bathing waters
- nutrient sensitive areas

Use Magic maps to find information on the location of protected areas in your water body (and adjacent water bodies) within 2km of your activity.

Consider if your activity is:	Yes	No	Protected areas risk issue(s)
Within 2km of any WFD protected area ⁶	Requires impact assessment	Impact assessment not required	Yes

⁶ Note that a regulator can extend the 2km boundary if your activity has an especially high environmental risk.

Section 5: Invasive non-native species (INNS)

Risks of introducing or spreading INNS include:

- materials or equipment that have come from, had use in or travelled through other water bodies
- activities that help spread existing INNS, either within the immediate water body or other water bodies

Consider if your activity could:	Yes	No	INNS risk issue(s)
Introduce or spread INNS	Requires impact assessment	Impact assessment not required	No

Summary

Receptor	Potential risk to receptor?	Note the risk issue(s) for impact assessment
Hydromorphology	Yes	HMWB for same use
Biology: habitats	Yes	Saltmarsh and subtidal sediments
Biology: fish	No	
Water quality	No	
Protected areas	Yes	SPA, SAC, Ramsar, SSSI
Invasive non-native species	No	

12. WFD Impact Assessment & Mitigation

The assessment has identified potential risks to the following:

Hydromorphology –

The works are improvements to an existing facility. Whilst the use is as the HMWB classifications (ports and harbours) there is no change. There can therefore be no negative impact or risk.

Protected areas -

These have been assessed in the attached report - Environmental Information 10948 Rpt6

Biology –

The saltmarsh is physically sheltered by existing structures and there can be no possible impact. Impact on the intertidal sediment is addressed in the attached report - Environmental Information 10948 Rpt6

Summary

By following EA guidance, it is concluded that the proposal will not have a negative impact on the water body.