



Memo

To: Natural Resources Wales

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Date: 17 January 2022	Phone: 0141 220 2388

Subject: Tintern Wireworks Bridge Method Statement – Mitigation measures

(i) **Minimise risk to the marine environment**

Risks to the marine environment have been considered and will be minimised by the following approaches:

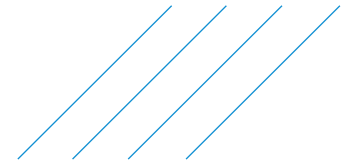
- Ensure all work is carried out above the 1-in-100 year flood event as shown in the Detailed Design Drawings. Additional protection will be provided by encapsulation and the use of a temporary works platform constructed around the bridge, above MHWS. The mitigation measures outlined in the *Habitat Regulations Assessment* and *Preliminary Ecological Appraisal* (provided as supporting documents) will also minimise disturbance from the works.
- Excavation work will be carried out at times that take due cognisance of weather and any likely run-off being prevented by physical means, such as barriers. Site works will be fenced-off to prevent unauthorised access.
- Biosecurity control measures will be enforced for works on/near the watercourse. A safety boat will be provided for support and tidal water levels will be monitored daily. Flood warning systems will be monitored. Should flooding be expected, all site activities would be stopped. All equipment and material will be removed from the site and encapsulation wrapping will be removed, leaving the temporary works platform in place to allow water to move freely through the structure.

There is the potential for the works to impact on the marine environment without suitable mitigation. Therefore, the following mitigation measures are recommended to prevent and/or minimise risk to the marine environment:

- Potential construction effects will be minimised by following construction best practice and adherence to the Pollution Prevention Guidelines (PPGs)/ Guidance on Pollution Prevention (GPPs)^{1 2} and the Construction Industry Research and Information Association (CIRIA) C715 Environmental good practice on site handbook
- Development of an emergency response procedure to be implemented should an accidental pollution event occur. All construction materials should be stored in accordance with the relevant regulations within a Site compound on existing hardstanding. This will minimise the risk of pollution from plant and materials stored within the compound.
- All gaps around scaffold tubes will be sealed prior to grit blasting to ensure dust is not released.

¹ All of the pollution prevention guidelines (PPGs) are available from <http://webarchive.nationalarchives.gov.uk/20140328084622/http://www.environment-agency.gov.uk/business/topics/pollution/39083.aspx>. Note: the PPGs also make reference to environmental legal obligations, but that information is currently out of date and requires updating.

² <https://www.netregs.org.uk/environmental-topics/pollution-prevention-guidelines-pgps-and-replacement-series/guidance-for-pollution-prevention-gpps-full-list/>



- The works to the piers and main structure, via scaffolding platforms (or similar), will take place using Monoflex polythene sheeting and debris netting arranged to fill any voids between the platforms and the watercourse.
- Daily checks of the encapsulation will be undertaken to ensure it is still working as designed. Otherwise remedial action will be taken.
- On completion of the works, all sheeting will be carefully bagged up for safe disposal.
- A Precautionary Method of Working (PMW) will also be produced and followed throughout the works.

(ii) Prevent undue interference to others

- Works will be timed during the day and in certain months to avoid the summer holidays and peak summer visitor traffic. Closing the Public Right of Way footpath across the bridge reduces access to walkers but prevents them from being adversely affected by noise, emissions, etc. Closure of the bridge will be advised well in advance of it taking place.
- Excavation work will be undertaken during drier weather due to the potential for run-off from heavy rains and the need for physical barriers to prevent this entering the watercourse.
- Site will be fully secured and fenced-off to prevent unauthorised access.
- Site vehicles will be confined to the site compound area (excluding delivery of site materials)
- All works will be undertaken during daylight hours minimising disturbance to residence and use of lighting.

(iii) Maintain navigational safety, including marking and lighting of works

Consultation was undertaken in October 2021 with the nearest Harbour Authority, Gloucester Harbour Trust. Although the works are outside GHT's area of jurisdiction, they would issue a Notice to Mariners to give warning about the works to the few river users who may be affected.

The general hydromorphology of the River Wye, particularly in areas upstream of Tintern, is not considered suitable for small/pleasure craft due to white water. However, the river is expected to be used for waterborne recreational pursuits such as canoeing, stand up paddle boarding and kayaks. Therefore, suitable warning and lighting will be required to advise recreational users of any reduction in air draft under the bridge as a result of the scaffolding platform being constructed under it.