

Dry work areas and temporary dams -
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The undertaking of all works is dependent on weather conditions and suitably low river levels.

All work is to be undertaken in dry, fully enclosed work areas.

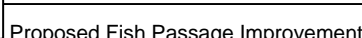
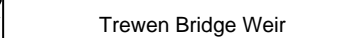
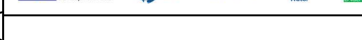
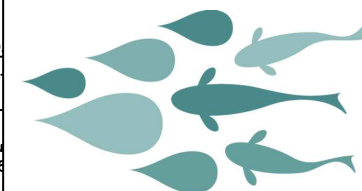
It is anticipated that the works will be divided into three phases. During Phase 1 the river would be piped through the work area to allow for the clean down, reduction of levels and placement of concrete to form the new glacis; the baffle and eel tiles beneath the bridge would also be fitted. An AquaDam or sandbags will be used to block off river flow upstream of the works with a proprietary orifice plate capturing flows to a large, flexible drainage pipe. This phase of work would take approximately 10 working days although the programmed would allow for all temporary works to be demounted and normal river flows restored over weekends and as flow conditions dictate.

Once the proposed glaciis has been formed it is anticipated that proprietary AquaDam and/or sandbags and robust plastic sheeting over pumped as required will be employed to create local, fully enclosed work areas for phases 2 and 3. During these phases the fish pass and eel pass will be constructed.

No temporary works will be left in the river over weekends and, should river levels be about to rise, it is highly likely that all temporary works can be removed from the river to allow the high-water event to pass. Should this not be possible the dams will become inundated. Once inundated, the AquaDam will become buoyant and automatically empty of water; the AquaDam will be fixed at its upstream end near the bank, so at this stage it will simply swing into the bank. When inundated, depending on the flow, sand bagging will collapse and, depending on flow velocities and duration of event, wash downstream to slack water where they can be retrieved.

All proprietary AquaDams and sandbagging is to be a maximum of 600mm high above riverbed level.

Once individual work phases are complete, the temporary dams will be removed in a controlled manner to ensure normal flows are restored gradually.



Trewen Bridge Weir

Proposed Fish Passage Improvements
Trewen Bridge Weir, nr. Camelford
River Allen
Cornwall

Trewen Bridge Weir - 06
Proposed Temporary Works Plan
June 2019

1:100 @ A3 approx.