

## Preparation Works

- All relevant consents & permits will have been received from relevant parties
- Environmental mitigation / spill kits are ready for deployment
- Toolbox talk to be carried on morning of works to detail scope of works and management of the works
- Marine Licence to be notified 10 days prior to works
- Machines to be washed prior before coming to site.
- Welfare site will be near railway Bridge and Kubota Mule will be main mode of transport to work site.
- Signage to be installed prior to works being carried out. Works to be carried out in conjunction with tides and ensure it is carried out at low water.
- Check weather forecast for heavy rainfall and Dynamic Risk Assess (DRA) before carrying out works.
- Site management to be carried out using signs / banksmen / notices of works to the public. Use communication to inform the wider public.
- Works would take place outside of nesting bird season and fish spawning. If works carried out in nesting bird, checks to be carried out by a competently trained officer and advise if required.

## Commencement of works

- Excavator and dozer to travel from Tywyn along foreshore (Access to plant machinery agreed in RML1657v2)
- Site management to be carried out using signs / banksmen at all times during working hours.
- New Channel to be 10m from Training Wall to avoid disturbing structure.
- Excavate material from area 1 and deposit on North side. Cut new channel approx. 25m wide through shingle, following line of old channel training wall.
- Dozer to move material northwards towards existing channel and profile.
- Excavate area 2, as above.

## Broadwater General Method Statement 2019

- Excavate area 3, opening cut between new and existing channels. Push excavated material into old channel to divert flow down new cut. Create a weir structure to enable the flow to be carried down to the new channel.
- Plant machinery to be parked on access track above tidal influence
- Refuelling of machinery will be carried out on access track that runs linear to the river on higher ground more than 10 metre away from watercourse
- All NRW plant working in-channel will run on degradable hydraulic oil
- Work will begin when Ops are satisfied with water levels, and forecast is favourable to carry out works.
- Material will be moved into deposit area and shaped into beach profile
- Weir to be constructed to the same level as the top of the foundations of the railway bridge. This will allow water to flow down new channel and allow water to pass over if the new channel isn't at an adequate depth for the river to flow during the works.
- Longshore drift will then carry shingle material Northwards and naturally fill the old channel
- On completion power wash plant and remove from site to the South
- Welfare unit / mule / signage to be disassembled and moved from site.