

Methodology Outline

ELR & Mileage	LLA
MGroup ID:	LLA Tidal Flap (0366)
Structure Type	Tidal Flap
Grid Ref:	SS 56216 99736

Location



Images



Wing Wall Scour Repairs

Localised diversion of water coming from the tidal flap outfall will be diverted using sandbags. With a small submersible pump used to drain the remaining water within the scour pocket. Image of scour area below:



Defective mortar is raked, the joint dampened, and new marine mortar applied and finished to match the existing profile. Temporary timber framing will be used to ensure formation of concrete. Rapid set concrete will be stable within a given tidal window.

Programme and Weather Constraints

Works will be programmed exclusively during optimal weather windows to eliminate the risk of working in or adjacent to high or fast-flowing water.

The majority of installation will be completed during midweek daytime shifts. However, the physical lifting and replacement of the tidal flap will require a single night shift, with support from an RRV.

Works are programmed outside of the winter period.

Pollution Prevention and Environmental Controls

Priority Species

- A pre-works assessment ahead of works will be undertaken in relation to Otters, to ensure no changes since the initial surveys have been accounted for. Night working is to avoided for all actives, excluding tidal flap replacement, which must be undertaken during a night time possession. During these works, lighting controls will be essential, with light spill into the wider estuary to be prevented.

Aquatic Biosecurity:

- All pontoon components and equipment to be used within the watercourse must arrive clean to site. All elements will be visually inspected prior to deployment. The site supervisor will reject any components that exhibit obvious signs of biofouling and request that these be cleaned and dried prior to redeployment.

Site Management Protocols:

- All project materials and tools when not in use, will be stored at least 10 metres from the watercourse.
- Spill response kits will be maintained on site and accessible at all times.
- All operatives will receive a site-specific environmental briefing, covering pollution prevention measures, emergency response procedures, and ecological sensitivities.