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# Welcome

## Thank you for attending today's event about our Kippford Wastewater Treatment Works (WwTW) proposals.

The objectives of today's event are:

- To provide information on our plans and seek feedback before we apply for planning consent
- To discuss how we can manage the impact of construction work
- To answer questions and discuss any concerns

We have information on:

- Who we are
- Where this work will take place
- Why the project is required
- What this will involve
- The approximate duration of the work
- What you will see on completion
- How to contact us should you have a query

For further information, questions or comments please email ESD on [community@esd.scot](mailto:community@esd.scot) with any concerns.

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# Who we are



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## Working with their delivery partner



On major projects, such as Kippford Wastewater Treatment Works (WwTW), Scottish Water (SW) frequently work in partnership to develop solutions with trusted partners. On this project, Efficient Service Delivery (ESD) will be the principle contractor.

There will be various other subcontractors involved throughout the duration of the project and for varying periods of time, however, it is too soon to identify who they will be at this stage.

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# Why this project is required

**Rockcliffe Bathing Water is negatively impacted by Kippford Wastewater Treatment Works (WwTW).**

**The current works, built in the 1970's, cannot cope with the demands on it during summer and does not disinfect the waste water.**

**Temporary treatment is being used at present to protect the Bathing Water.**

**The new works will remove the need for temporary treatment and treat the wastewater to a much higher standard.**



*Kippford WwTW*

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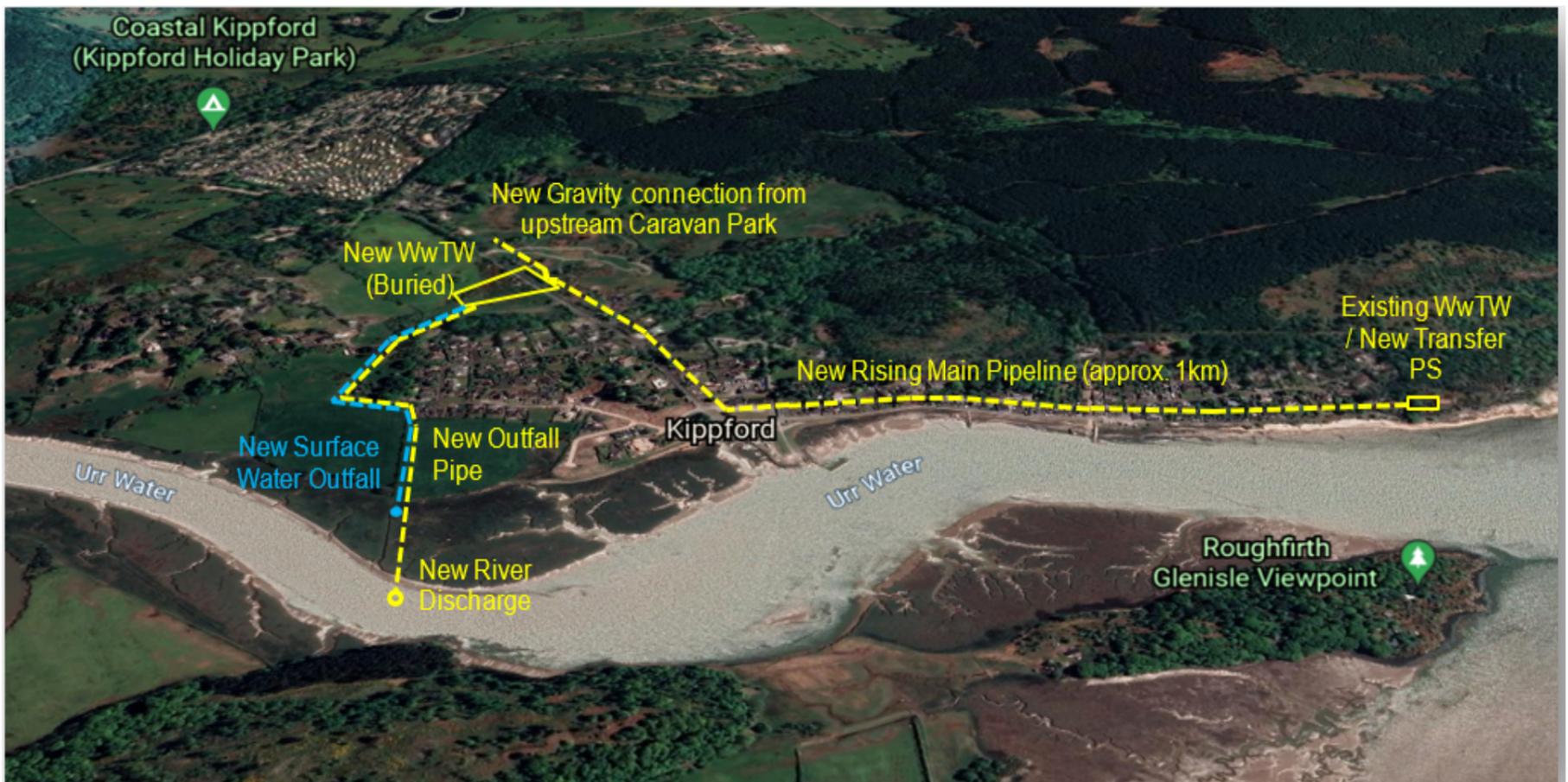
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# What will this involve - Location

The map below shows an overview of our proposals, including;

- **New Wastewater Treatment Works**
- **New Transfer Pumping Station**
- **New Rising Main pipeline**
- **Outfall location**



When the new infrastructure has been built, the existing WwTW will be converted into a new Pumping Station.

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# Scope of works - Pumping Station

**The proposed scope of works and site layout for the new Transfer Pumping Station.**



The scope of works for this project includes the following:

- Conversion of the existing dry well into a wet well
- New valve chamber
- Demolish existing building
- Erect new stone clad building
- Install new pumps

**These works will last approximately 4 months.**

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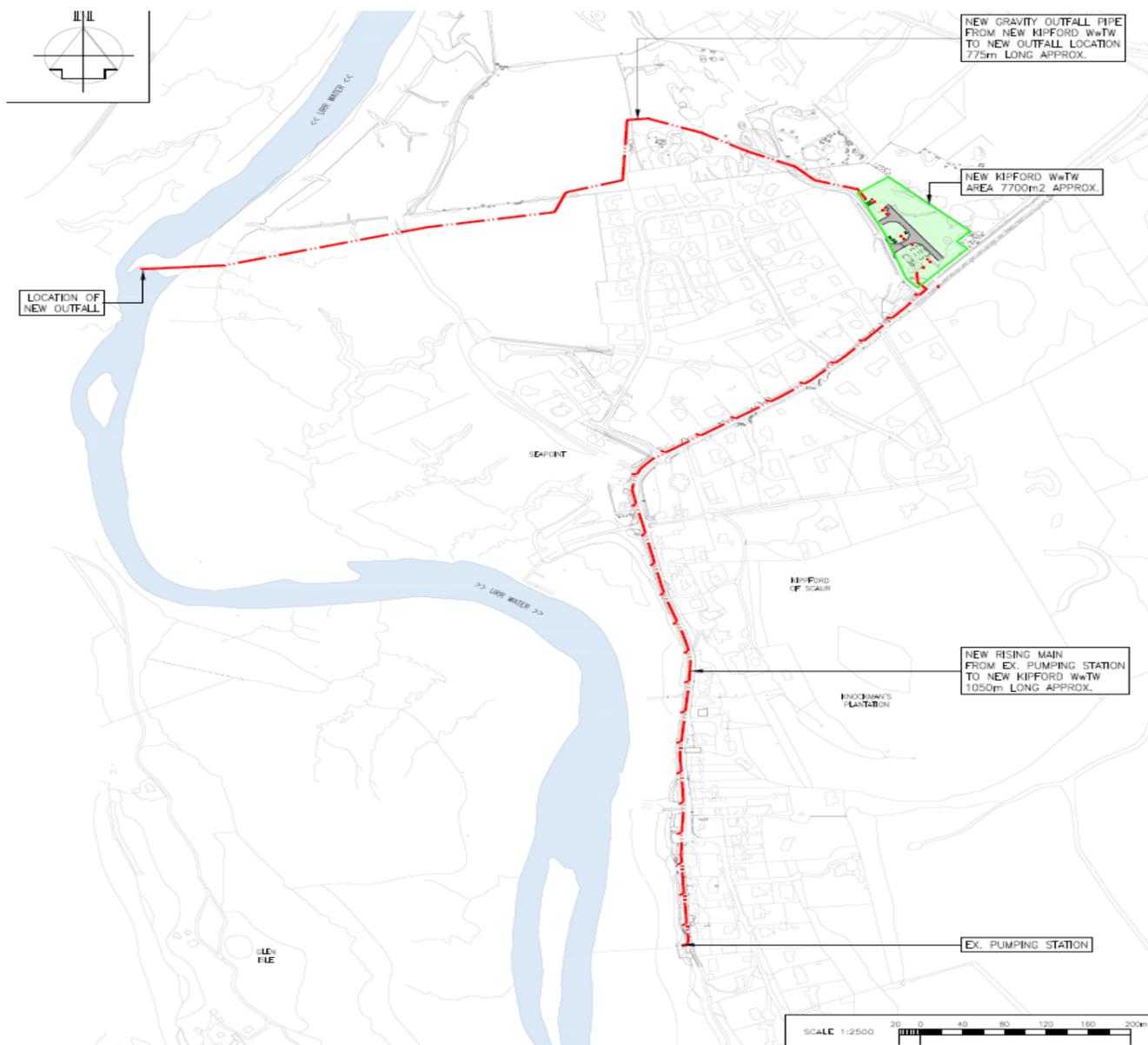


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# Scope of works - Rising Main Pipeline

The proposed route of the new rising main pipeline.



The pipe will be laid in sections from Roughfirth Road to the new WwTW.

In order to complete this work safely, we will need to use traffic lights and other suitable traffic management arrangements.

**These works will last approximately 4 months.**

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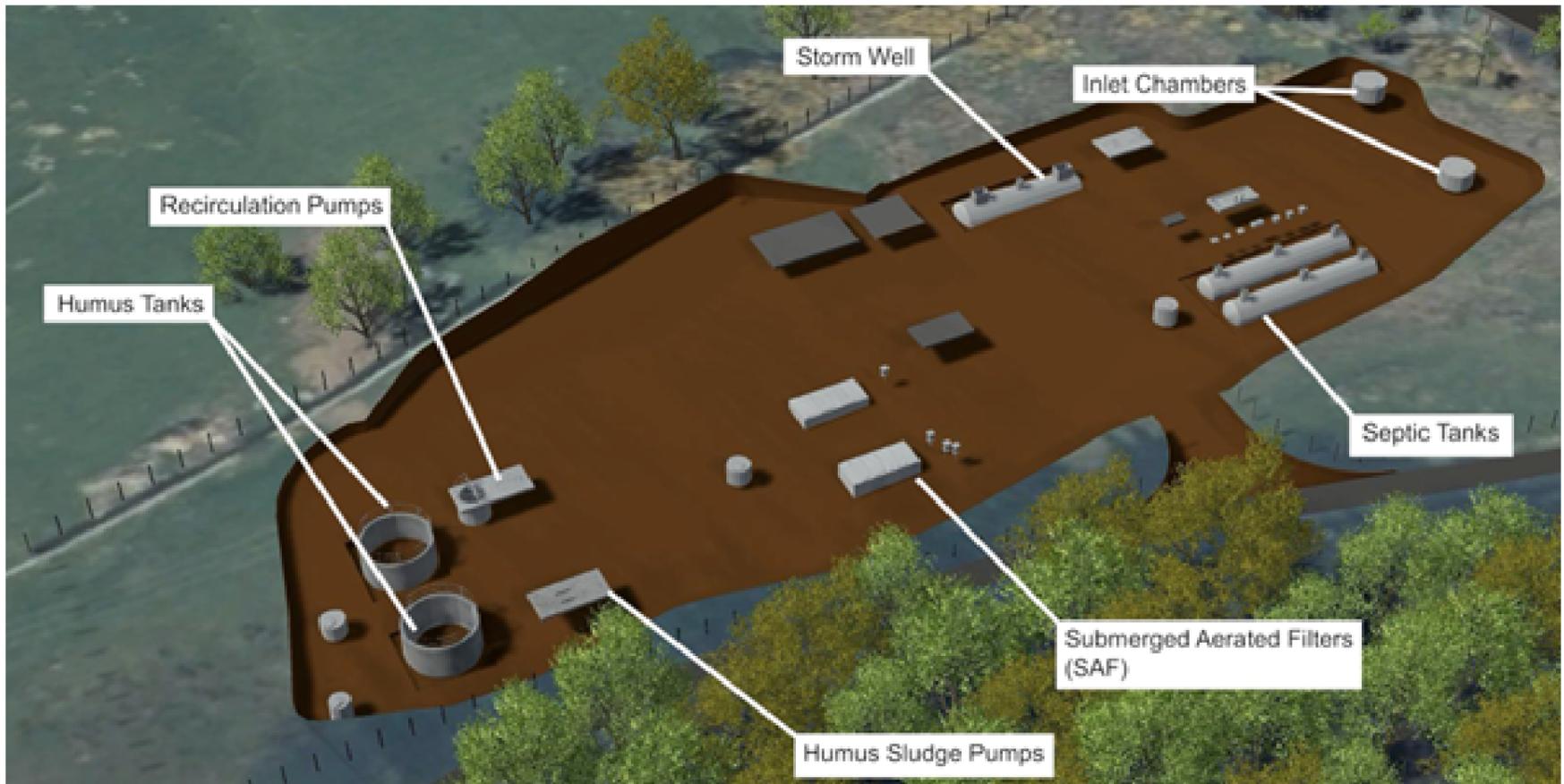
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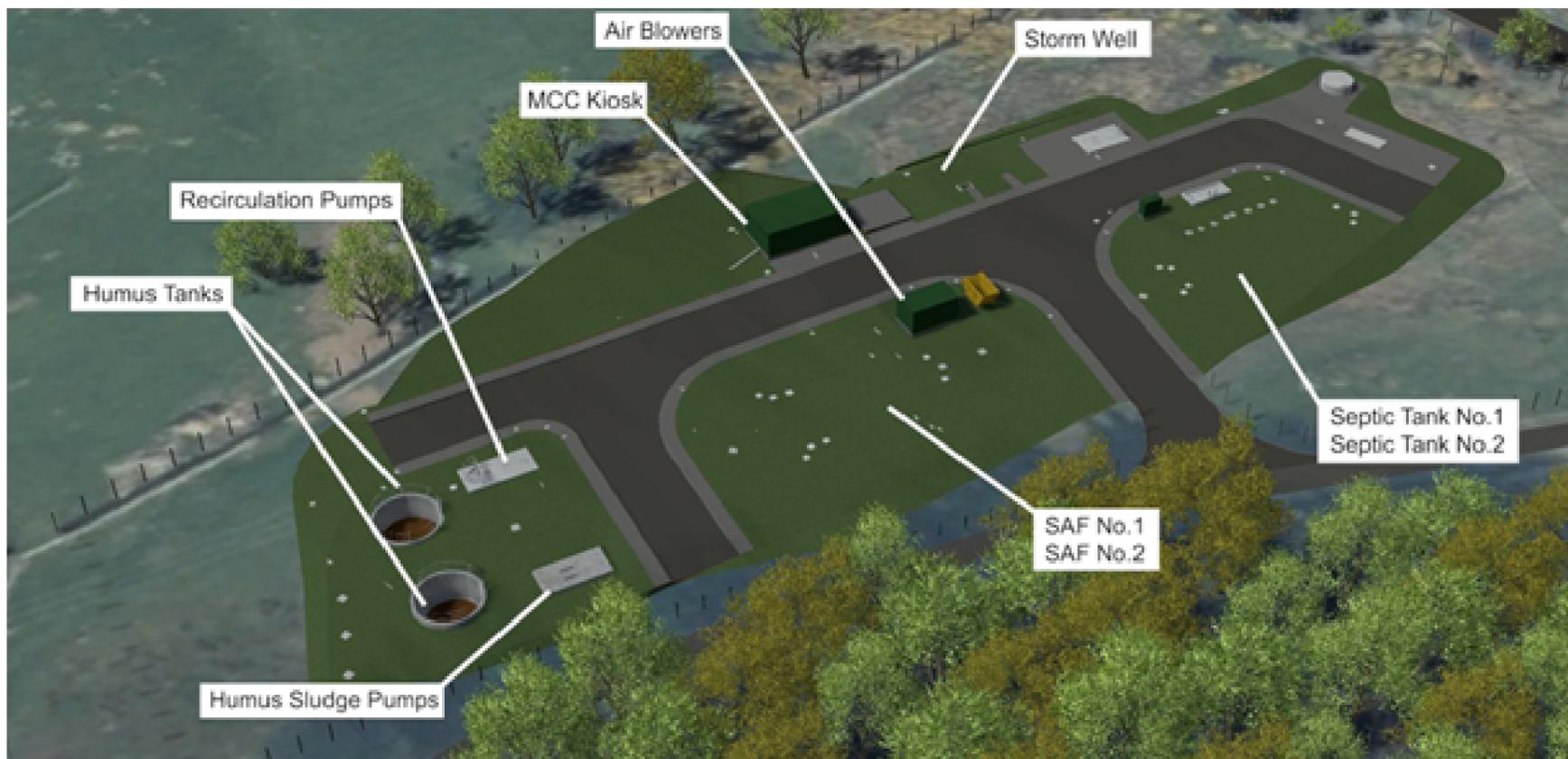
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# Scope of works - Wastewater Treatment



*Buried structures*



*View above ground*

**These works will last approximately 2 years.**

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# Scope of works - Outfall

**There will be two outfall pipes that run from the new works to the River Urr, one for surface water and one for final effluent as shown below.**



The surface water outfall pipe will terminate in the mudflat area of the River Urr and the final effluent pipe will terminate in a diffuser within the river as shown below.

**These works will last for approximately 5 months and will take place in sections.**

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# On completion



*Proposed WwTW*

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# Marine Consultation at Kippford

A Marine Scotland Construction licence is required for the outfall works (sewer & surface water), therefore various agencies have been consulted for the planned works in the River Urr including Marine Scotland, SEPA, Nature Scot, the Galloway Fisheries Trust, the Local Authority Archaeologist and the Northern Lighthouse Board & HM Coast Guard.

## Ecology

The planned works will be within discrete defined areas and best practice measures will ensure no water pollution and potential animal disturbance will be minimal.

## Fisheries

The Urr Water is within salmonid water designations and supports a healthy sea trout and Atlantic salmon population. These species will not be spawning at the work sites. Lamprey (both sea and river) species do spawn in the lower River Urr in good numbers but that will be upstream of the works.

## Navigability

The Northern Lighthouse Board have requested the installation of a board on the west shoreline, with the words 'Obstruction in Mid-Channel' to be installed.

## Heritage

An archaeological assessment has been conducted and concluded archaeological risk is low. The shipwreck of the Cordelia will be avoided.



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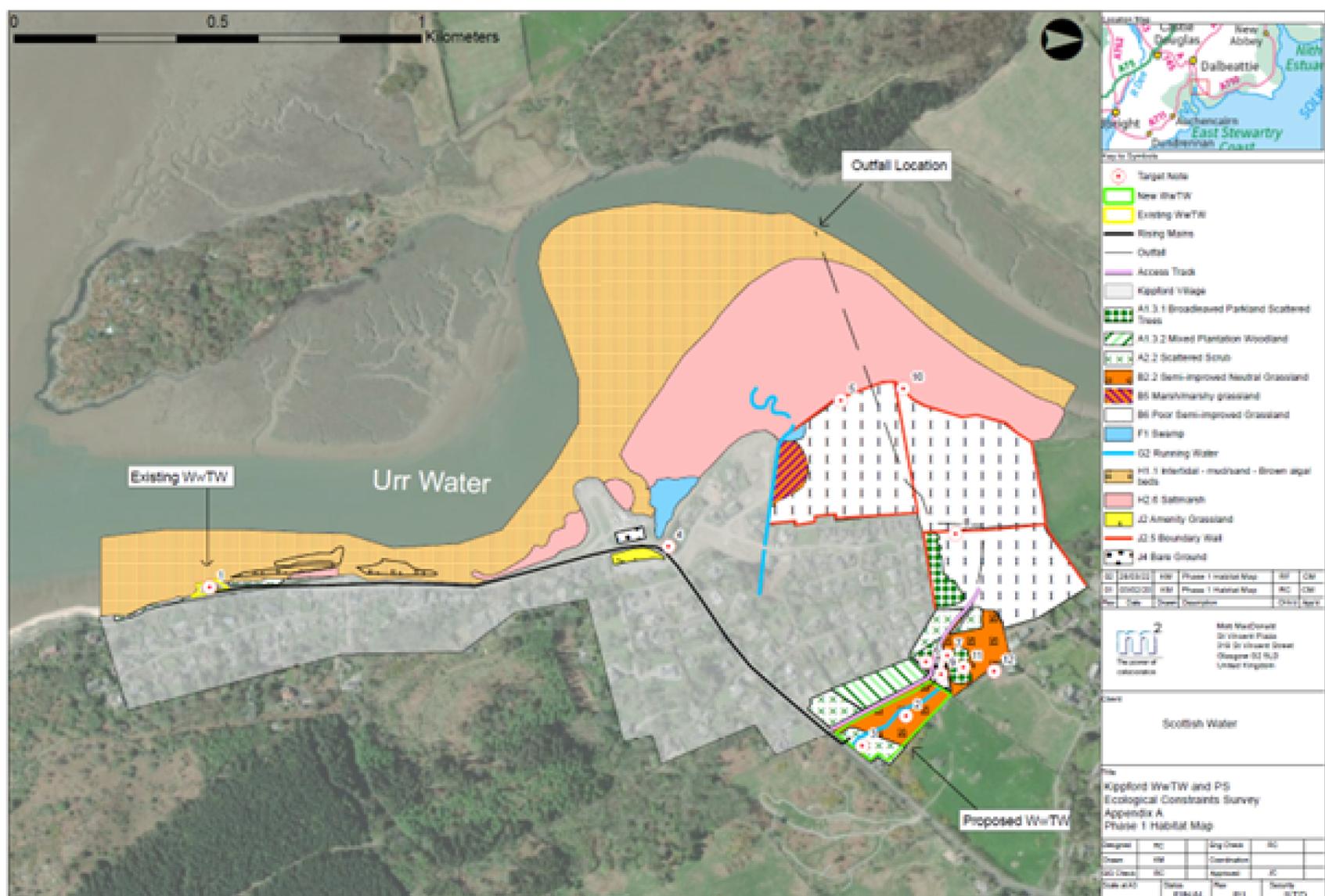
# Environmental at Kippford

Environmental advisors have been engaged on the project (ESD and SW) and will consult throughout the duration of the project.

An ecological survey was undertaken in January 2022 providing recommendations including undertaking a further bat survey prior to demolishing the existing Kippford WwTW building. Best practice construction methods will minimise potential disturbance to habitats and fauna.

The report also noted that following completion of the new sewage treatment infrastructure at Kippford, water quality downstream of Kippford will be greatly improved, leading to positive impacts on the wider estuarine environment.

An Arboriculture survey was also undertaken at the site of the new WwTW and we have implemented the recommendations of that report. Root Protection zones will also be identified during construction.



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