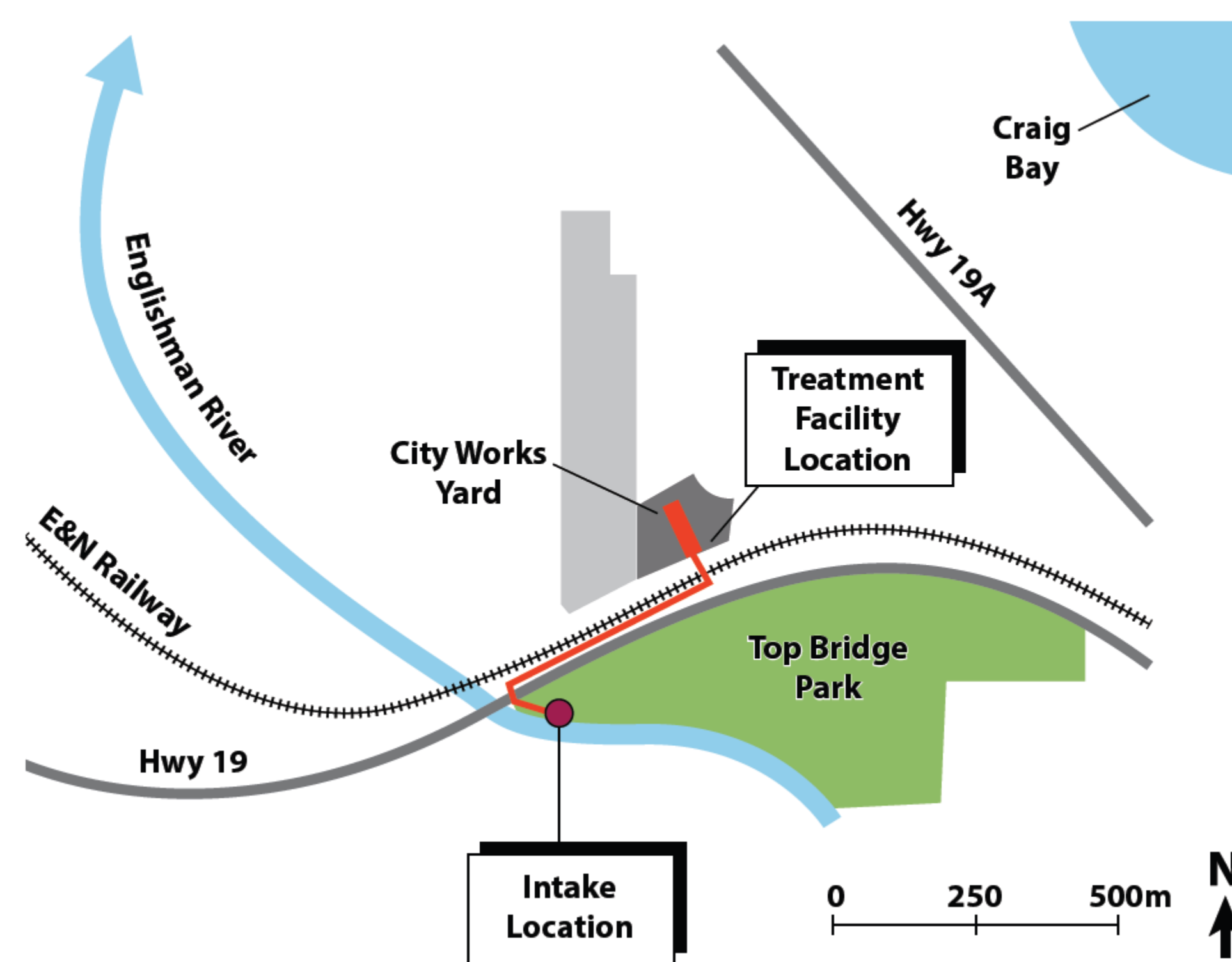


## Intake location

Previous work (2000 and 2005) considered environmental, financial, and social risks, and determined that the best intake location is downstream of the confluence of the Englishman and South Englishman Rivers. This location has substantial cost savings over upstream alternatives and has significant fisheries benefits.

The proposed location on the east bank of the river near Top Bridge Park was selected as the preferred location because:

1. It avoids a piped crossing of the river.
2. It is upstream of the railway and highway bridges and would not be affected by any accidental spills at these locations.
3. The natural rocky outcrop in the river directs river flows to the east bank during low flow summer months.



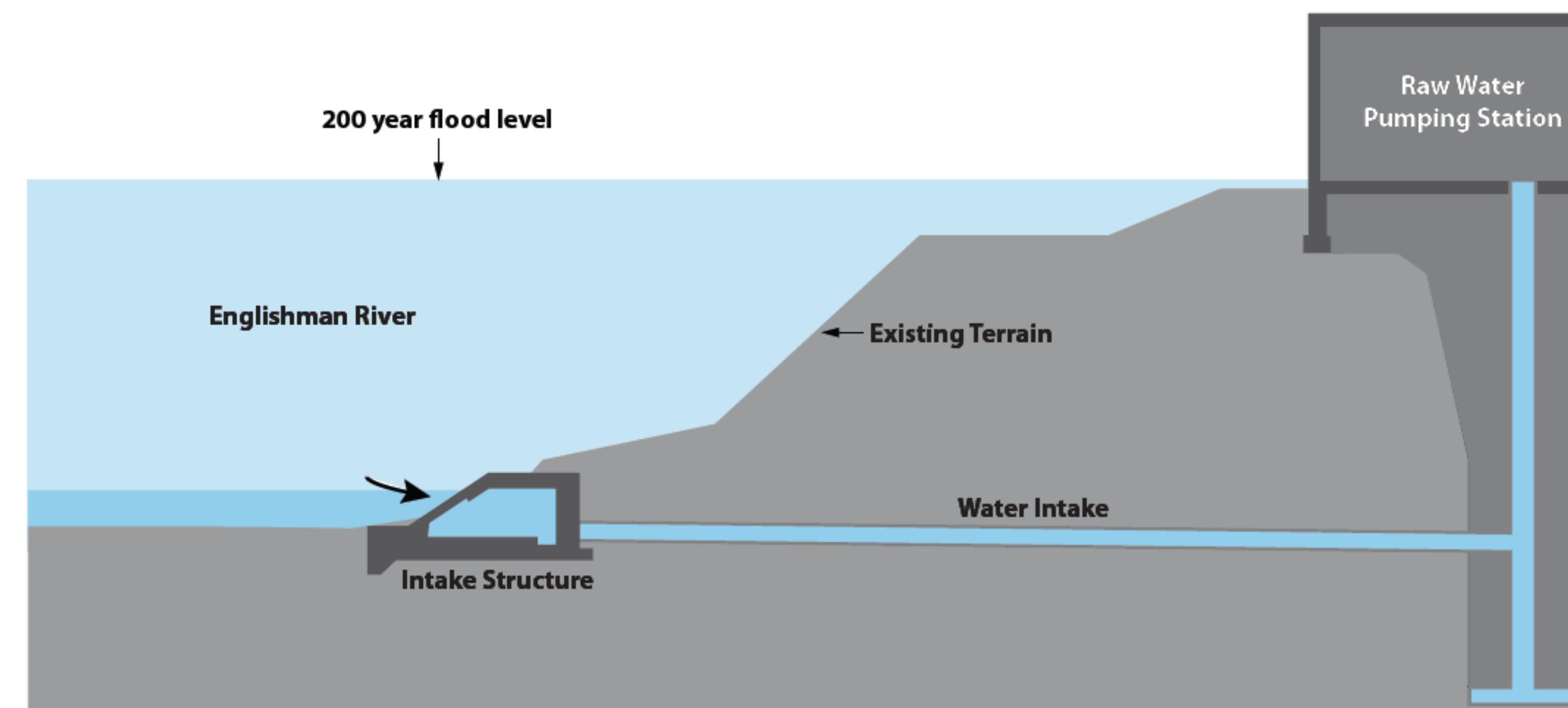
## Intake design

The intake will consist of:

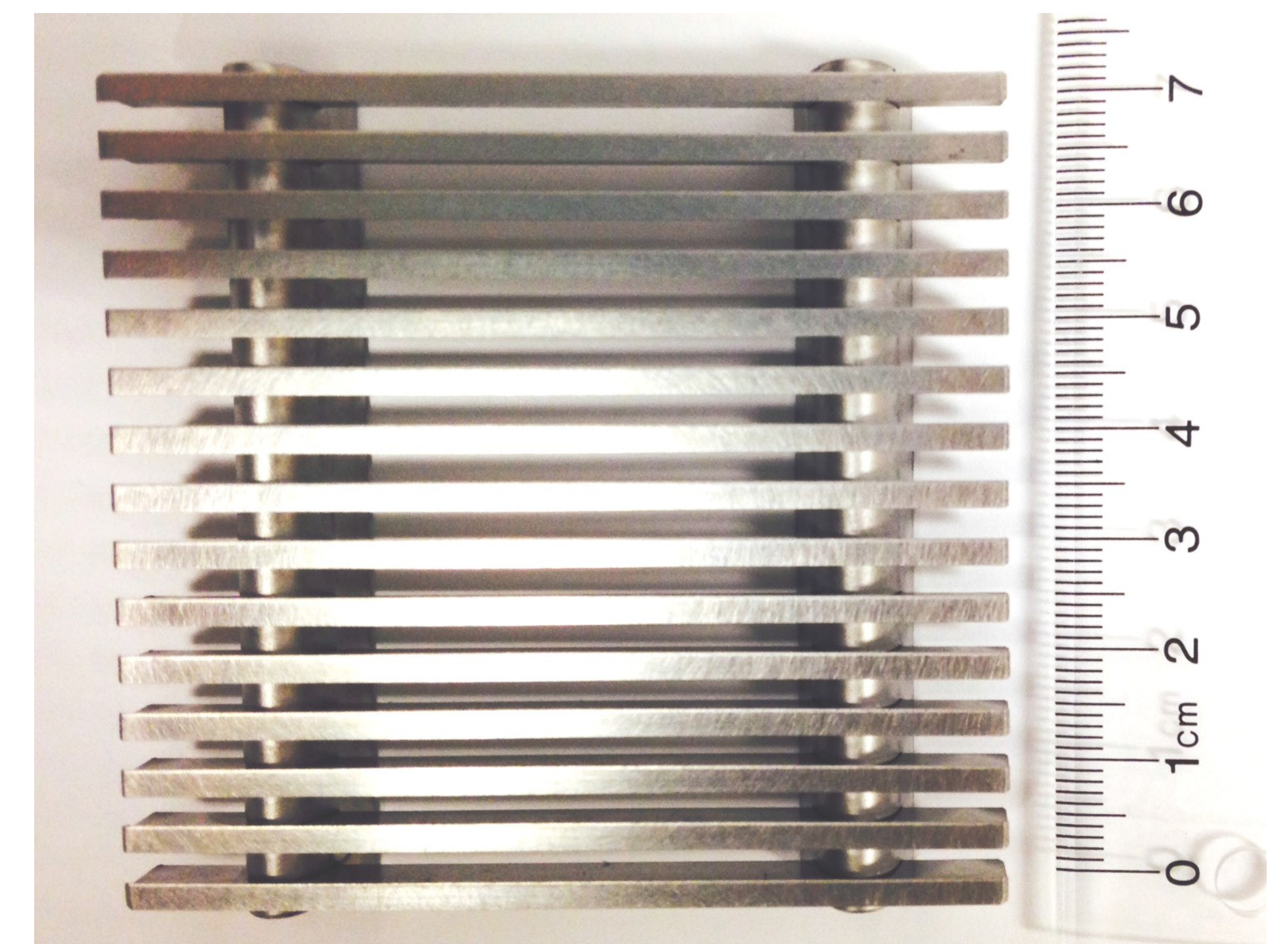
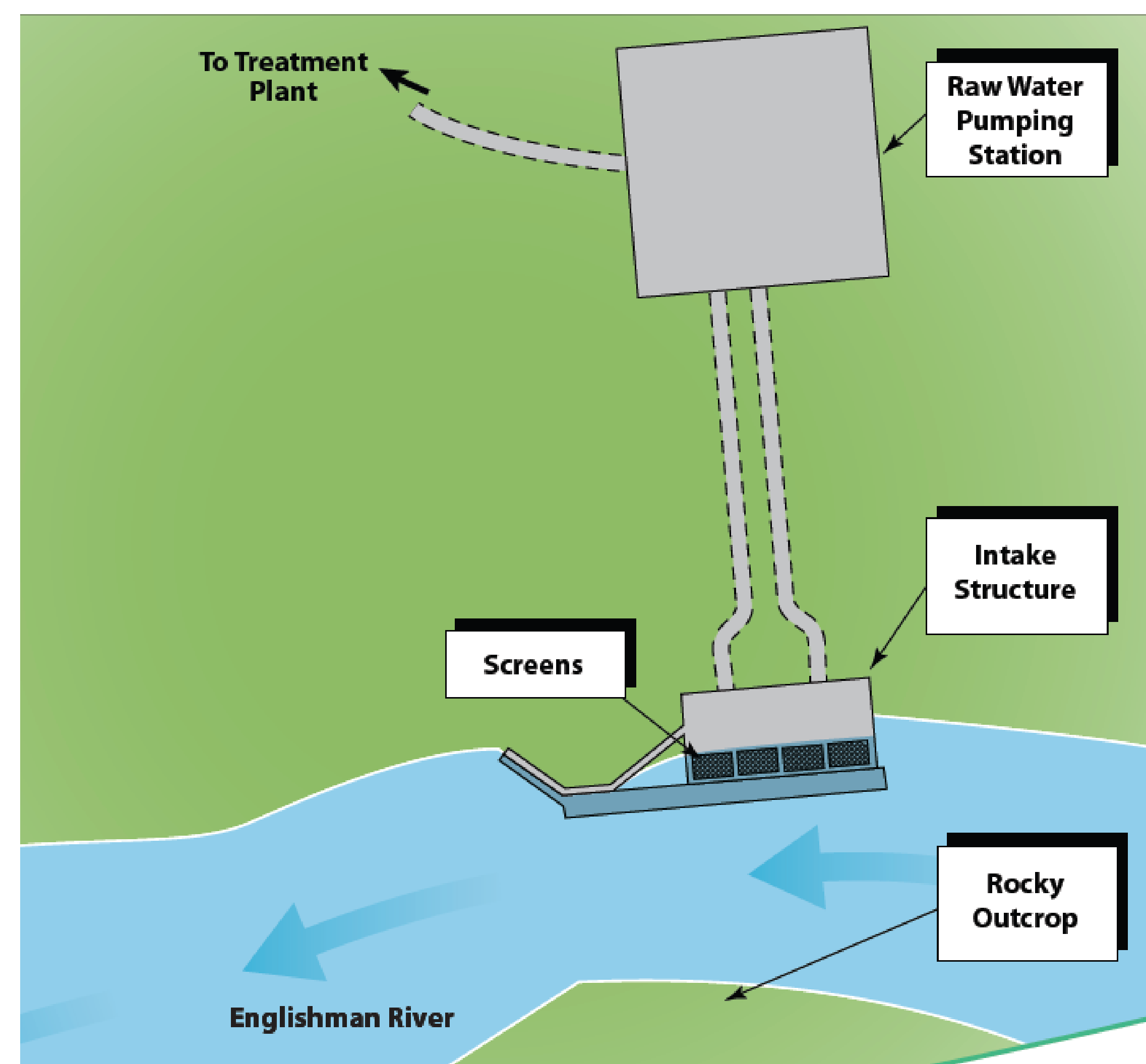
- Concrete box structure.
- Four intake screens (2m X 1.5m).
- Publicly accessible viewing area.

The design of the intake is similar to others in BC and the Pacific Northwest. The screens are sized to prevent small fish from being sucked into the intake. This fish-friendly design has been approved elsewhere in BC by Fisheries and Oceans.

Access leading to a viewing area will be cut into the bank, minimizing intrusion into the natural environment. This introverted design will also reduce the risk of debris being trapped by structures in the event of flooding.



The intake is sized to enable extraction of 28.8 Mega litres/day. The existing intake further downstream on the Englishman River will be decommissioned.



Screen openings are sized to prevent small fish from being trapped or sucked into the intake. Approval of the design and construction of the intake is being sought from Fisheries and Oceans.



Intake location on the Englishman River – looking upstream showing the rocky outcrop in the river.