

Why are we carrying out the projects?

The completion of the West Cumbria Water Supplies project means that Crummock Water, Chapelhouse Reservoir, Overwater and Ennerdale Water are no longer used as sources for drinking water supplies.

We have an obligation to remove the abstraction related infrastructure and restore these sites to a more natural state which will provide benefits to flood risk and the environment. Crummock Water and the River Cocker are subject to high levels of environmental protection. The work for these schemes has been split into three separate phases:

- **Phase 1** - Feasibility assessment which demonstrated that there are benefits to both flood risk and the environment from the removal of infrastructure.
- **Phase 2** - Detailed design and environmental assessments to support the planning application.
- **Phase 3** - Infrastructure removal.

Working together

We've been working with key stakeholders including the Environment Agency, Natural England, Lake District National Park Authority, National Trust, Landowners, Local Authorities/Highways and other interest groups to develop long-term plans that would maintain and enhance access for visitors, while sensitively returning these water bodies back to nature - helping to protect the habitats and environment which depend on compensatory flows.

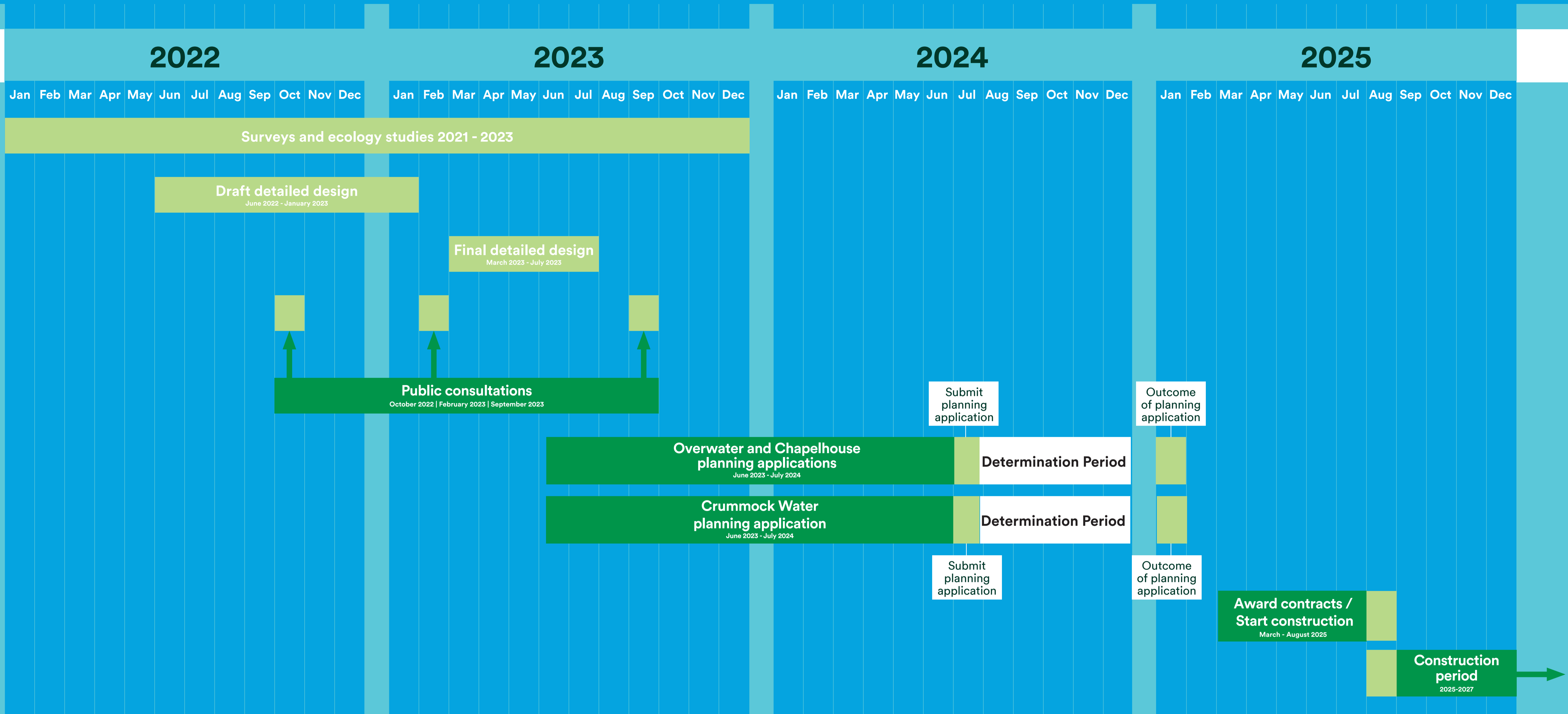
Your views are important to us and we welcome your feedback

We're continuing to carry out investigations, surveys and detailed designs to develop the most appropriate long-term plans before submitting planning applications. We may hold further sessions before starting work at the sites.



09/23/Sd/10180-1

Proposed programme for our long-term plans



09/23/Sd/10180-2

Crummock Water

Our proposed work could involve removing the weir structure, equipment used for collecting water supplies and supporting infrastructure. This could lower the outlet level in Crummock Water by approximately 1.35 metres, allowing rivers and streams to return back to their historic natural channels.

The proposed work currently includes:

- The removal of around 550 metres of the concrete wave wall to allow restoration of the shoreline.
- Removing around 200 metres of the upstream concrete and block stone channel at Park Beck.
- Reinstating the natural connection between the rivers and the lake removes the need for man-made fish/eel passes.
- The existing stepped pedestrian footbridges would also be removed and new footbridge/s installed to provide continued access over the River Cocker.
- Restoration of sections of the River Cocker and Park Beck.

Crummock existing outlet to the River Cocker



Design proposal for Crummock outlet



Existing condition of Park Beck

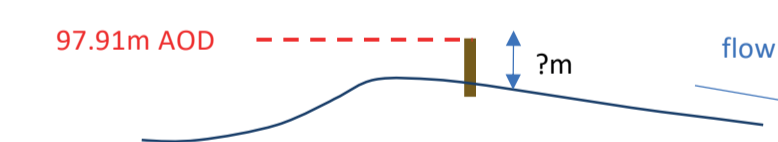


Design proposal for Park Beck restoration

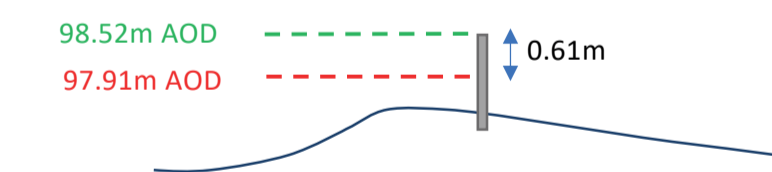


Weir history and water level schematic

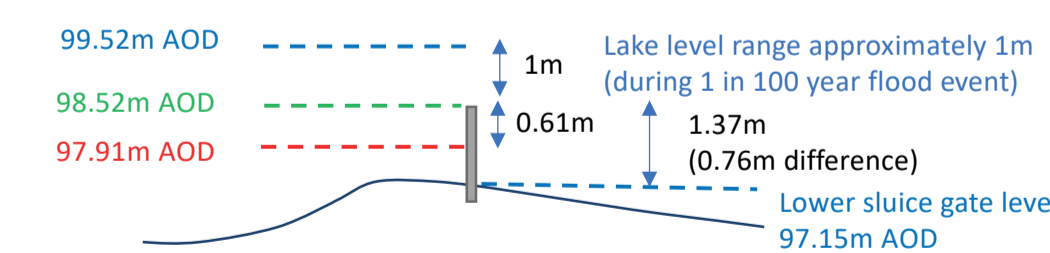
1. 1879 Timber weir to maintain average winter water level



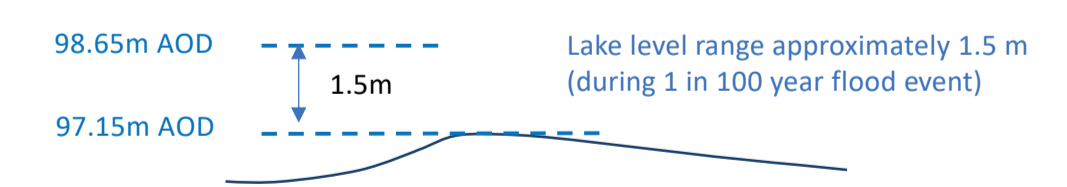
2. 1899-1903 Masonry impounding weir raising lake levels by approximately a further 2 ft (0.61 m)



3. 1967-current Repair work but crest level remains the same (98.52 m AOD)



4. 2025/6 restoration proposals



09/23/Sd/10180-3

Chapelhouse Reservoir and Overwater

Our proposed work could involve removing the existing weirs and the dam at Chapelhouse Reservoir and removing the equipment used for collecting water supplies and supporting infrastructure at both water bodies. Wherever possible, we'll restore rivers and streams back to their historic natural channels.

Chapelhouse before



The proposed work at Chapelhouse Reservoir currently includes:

- Removal of dam and replacement of bridge in the same location.
- Removal of pump house, spillway channel, overflow pond and abstraction tower.
- Retaining the existing Public Right of Way.
- Restoration of the River Ellen.

Chapelhouse after



The proposed work at Overwater currently includes:

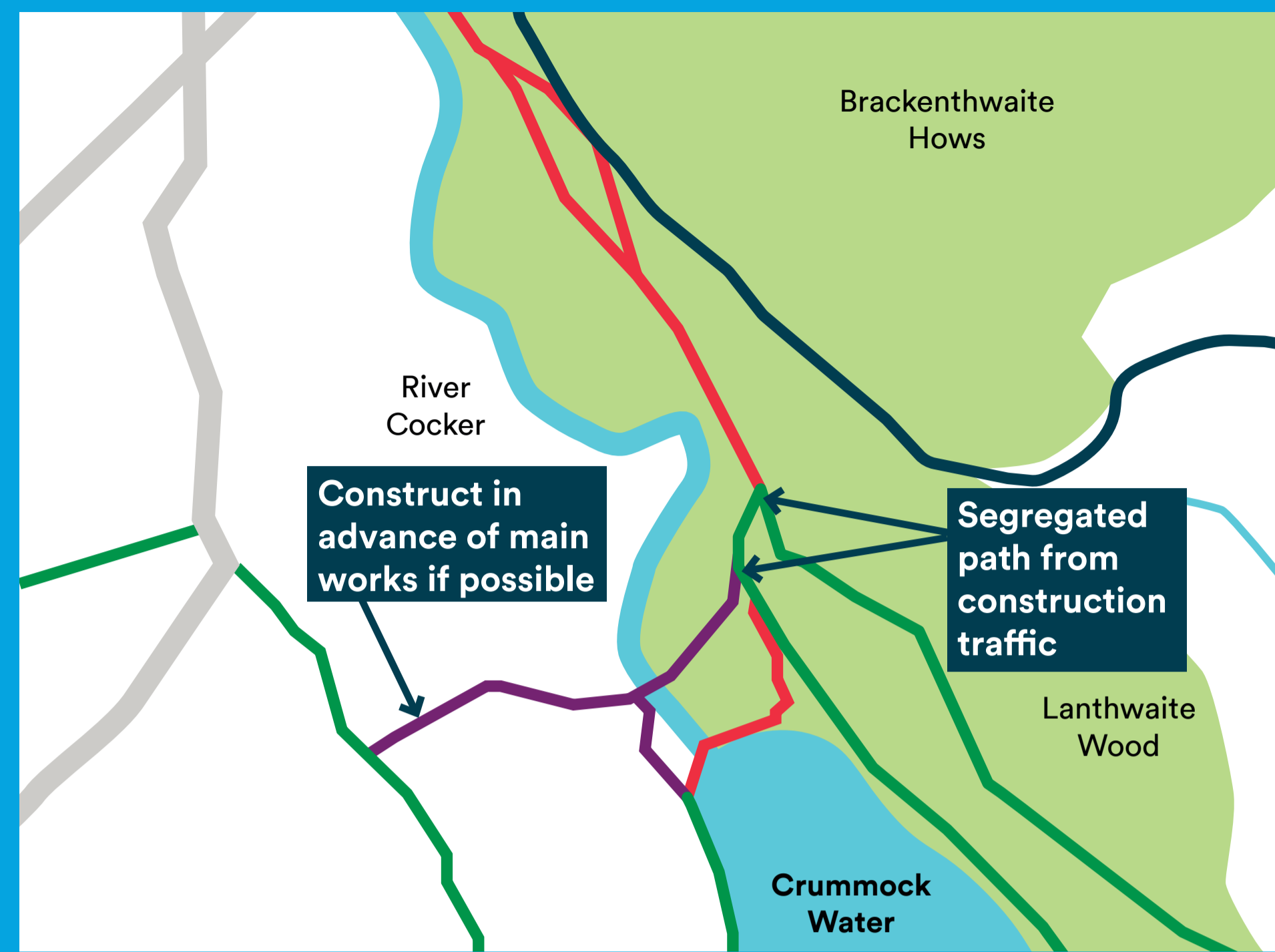
- Removal of the existing weir and embankment.
- Realigning a short section of White Beck at the confluence with the River Ellen.

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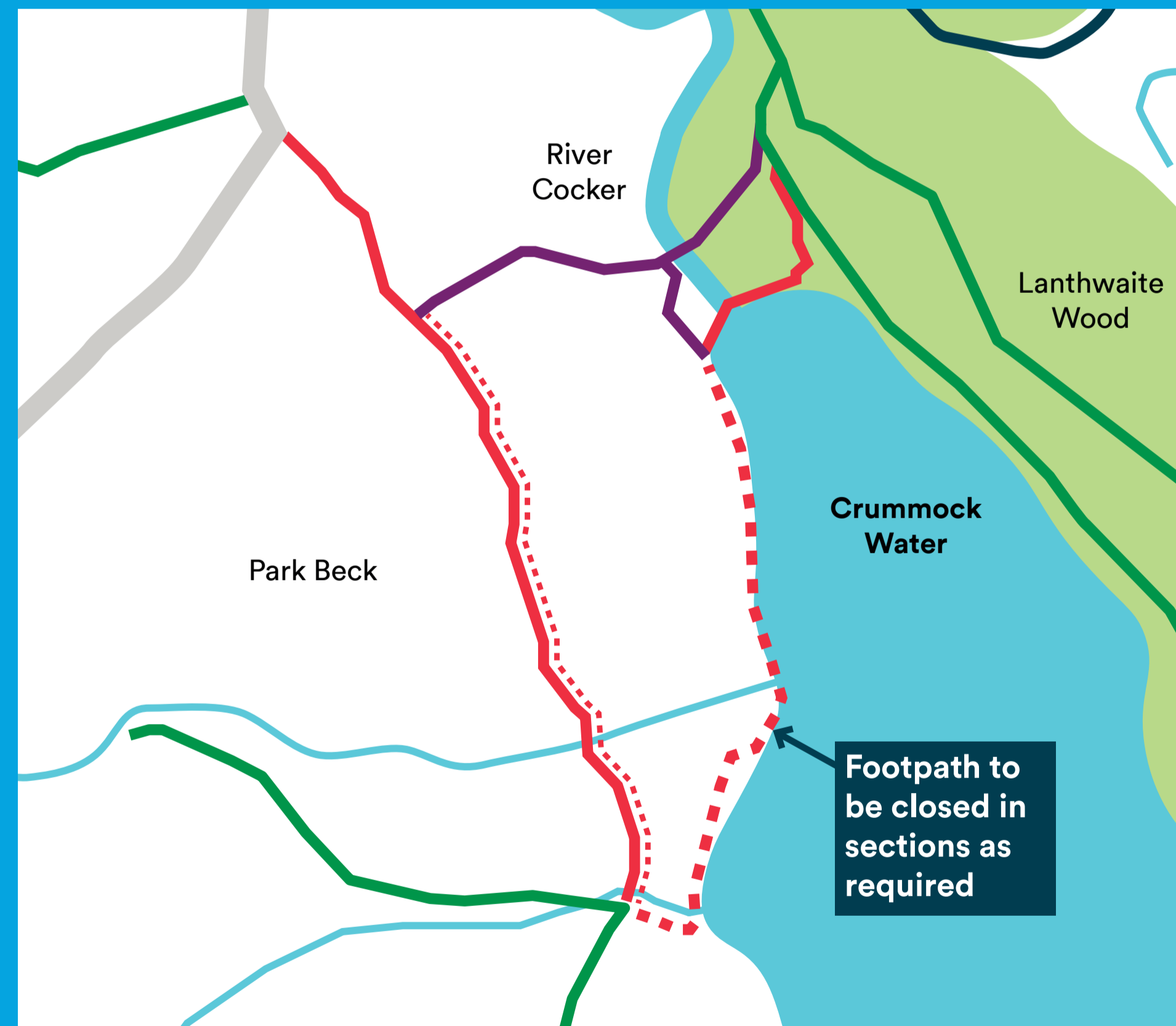
Crummock Water Public Rights of Way Plans

- Look to minimise the extent and duration of any closures of Public Rights of Way during construction.
- If possible, construction of a new path and bridge crossing point in advance of phase 1 (eastern weir removal) to provide a diversion route.
- Look to minimise the extent of PRow closure along the western shoreline during phase 2. Only closing areas for access or required during construction activity.
- Access will be possible over Park Beck's new alluvial fan in most flow conditions. During higher flows, a bridge upstream provides alternative route.
- Sections of PRow, permissive paths and open access along the western side of Crummock will need to be closed during construction activity. The newly exposed shoreline provides alternative routes.
- Permission for the proposed closures and diversions will be obtained from the LDNPA.

Phase 1 – Removal of eastern weir



Phase 2 – Removal of western weir



Post construction



Key

- Bridleway to remain open
- Footpath to remain open
- New Public Right of Way
- Closed Public Right of Way
- ... Temporary Public Right of Way
- - - Phased closure of Public Right of Way
- New Permissive Path / Open Access

09/23/Sd/10180-6

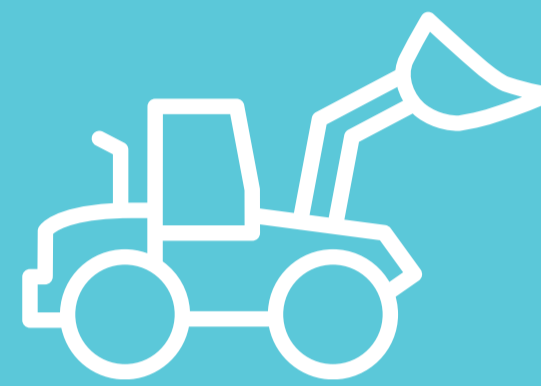
How our construction activity at Crummock Water may affect you

We'll do all we can to minimise disruption and be sensitive to the local community and visitors during the construction period. The proposed normal working hours once the site activity begins will be Monday – Friday between 7.30am and 5.30pm (seasons will affect this).



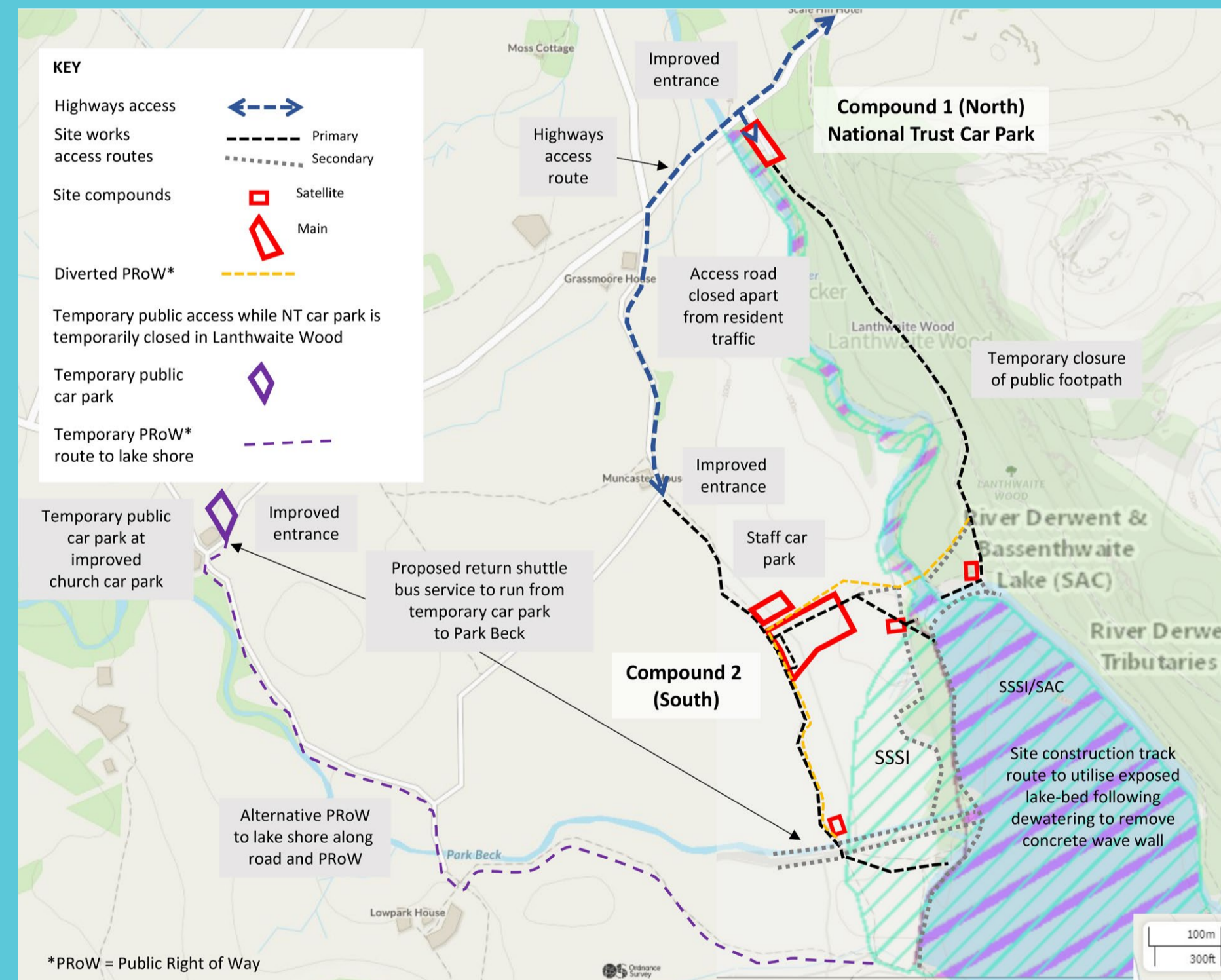
Traffic management plans will be in place which would include:

- Temporary 30mph speed restrictions around site entrances with some access points widened.
- Scheduling for deliveries and removal of site material.
- HGV's will follow agreed routes, with a maximum of 1 vehicle (in/out) per hour as agreed with Cumberland Highways.
- U2212 past Muncaster House to our access track restricted to construction and local traffic during the work.
- Dilapidation surveys of public roads to be completed ahead of site mobilisation.

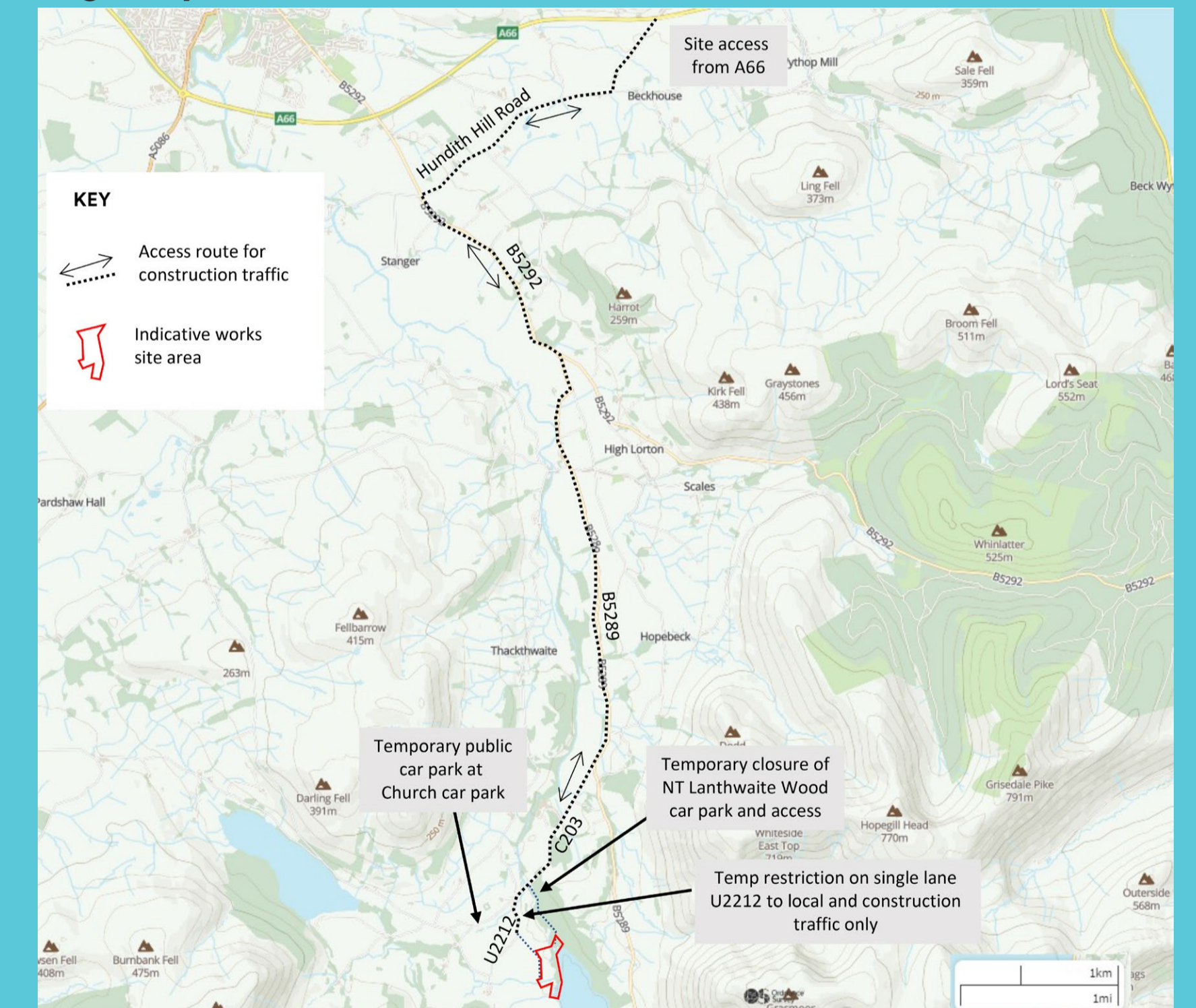


During site set up there will be stone and hard-core material brought to site to create compound areas and track routes. Where possible we'll aim to reuse as much of the soil and gravel on site, but excess will need to be removed due to limitations for its reuse within a floodplain and SSSI. The reservoir will be drawn-down with over-pumping and sediment control measures in place. There will be a significant volume of concrete waste material generated during the infrastructure removal, this will be crushed to help reduce the number of vehicle movements, before being removed from site.

Site access and works



Highways access route



For safety, the National Trust car park at Lanthwaite Wood will be temporarily closed during phase 1 of the work (eastern weir/northern wave wall removal). A temporary public car park will be established at St Bartholomew's Church car park. Alternative temporary Public Right of Way route established to provide access to Crummock Water, further details about pedestrian access can be found on the PRow panel.

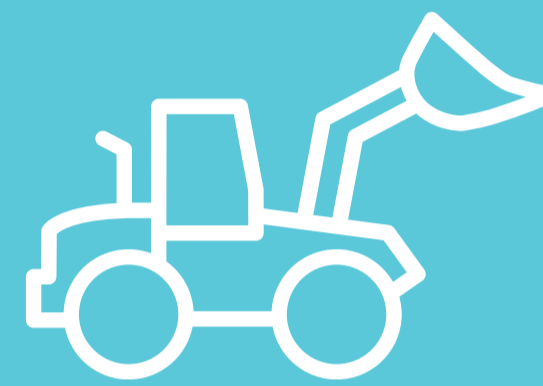
How our construction activity at Chapelhouse Reservoir and Overwater may affect you

We'll do all we can to minimise disruption and be sensitive to the local community and visitors during the construction period. The proposed normal working hours once the site activity begins will be Monday – Friday between 7.30am and 5.30pm (seasons will affect this).



Traffic management plans will be in place which would include:

- Temporary 30mph speed restrictions around site entrances with some access points widened.
- Scheduling for deliveries and removal of site material.
- HGV's will follow agreed routes as agreed with Cumberland Highways.
- U2123 daytime traffic to be restricted during the work to construction and local traffic.
- Possibility of passing place installation along the C2004 and U2125 currently under investigation.
- Dilapidation surveys of public roads to be completed ahead of site mobilisation.

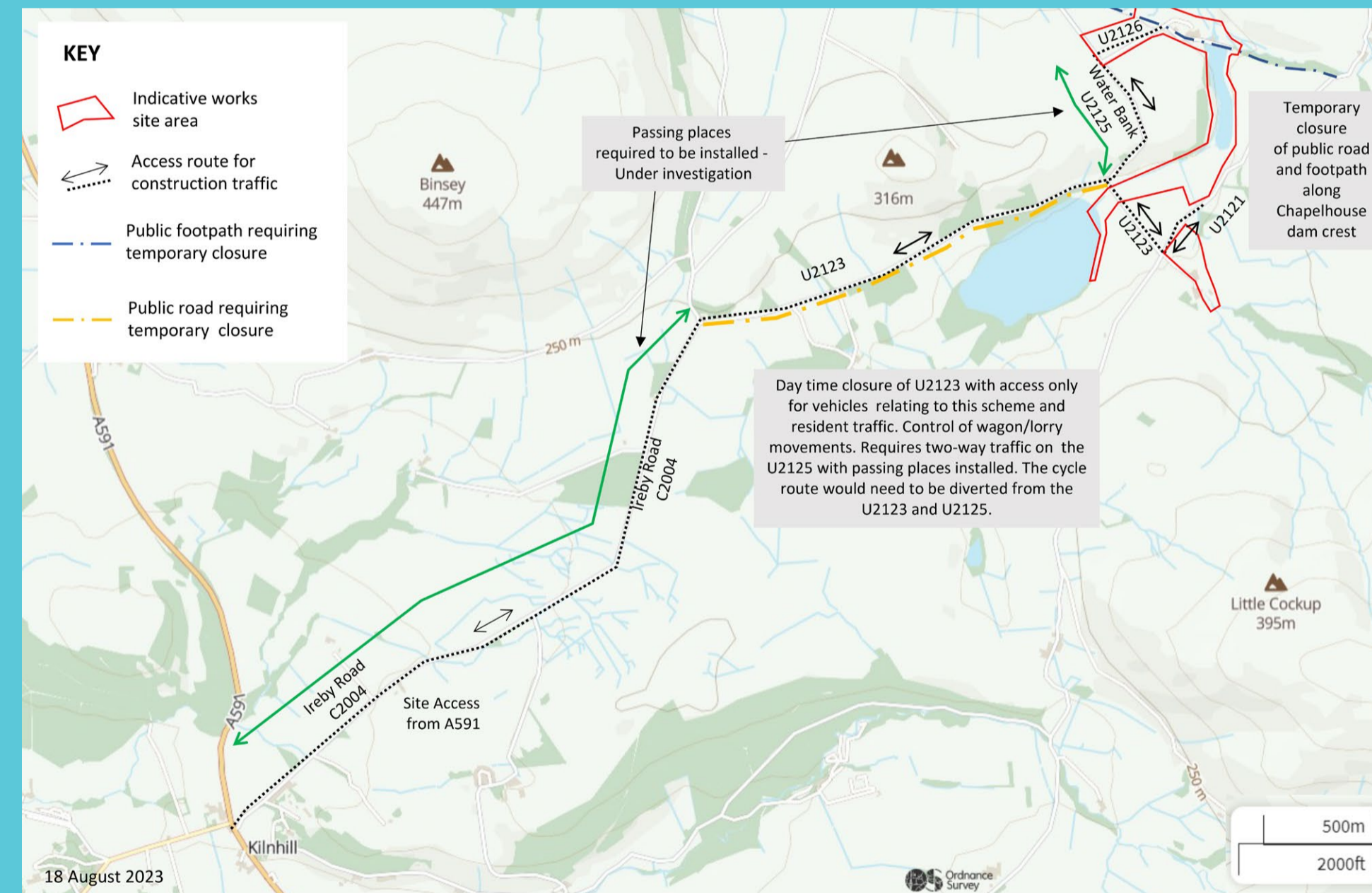


During site set up there will be stone and hard-core material brought to site to create compound areas and track routes. Where possible we'll aim to reuse as much of the soil and gravel on site, but excess will need to be removed due to limitations for its reuse within a floodplain and a National Park area. Temporary over-pumping and sediment control measures will be put in place during the dam removal. There will be a significant volume of concrete waste material generated during the infrastructure removal, this will be crushed to help reduce the number of vehicle movements, before being removed from site.



For safety, the short section of road and Public Right of Way over the dam crest at Chapelhouse will be closed for the duration of the project. A new public bridge will be constructed at the location of the dam and there will be temporary footpath and cycle route closures (U2123 and U2125).

Highways access route/traffic management



Site access and work compounds

