



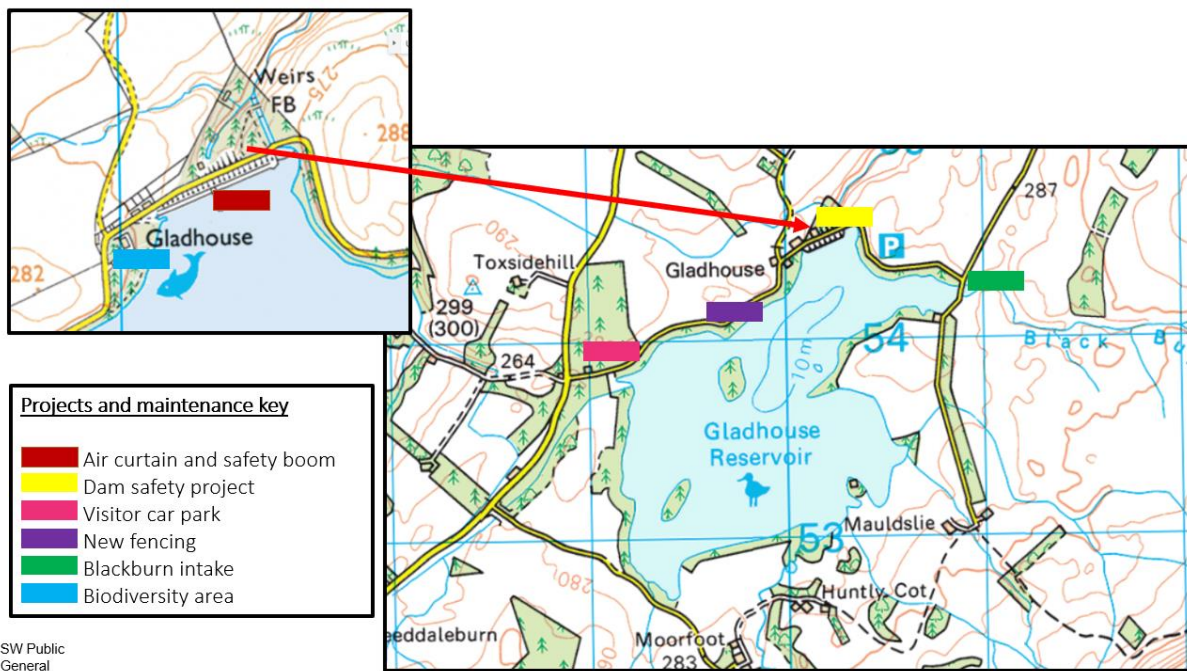
Gladhouse Reservoir Planned Work

We are aware that Gladhouse Reservoir, Midlothian has become a popular location for the public to visit and spend time to enjoy the outdoors, however this reservoir is a working site and as a result, operational activity will often take place which could potentially impact your visit.

Over the next 18-24 months there are several projects planned to take place in and around the reservoir.

This document has been designed to provide an overview on each of the projects as there will be increased activity on site and we wanted to share what we are doing and why. We will continue to provide updates, like this to inform you on how the work is progressing.

Below is a map which shows where each project will take place, predominately along the north shore.



Dam safety project

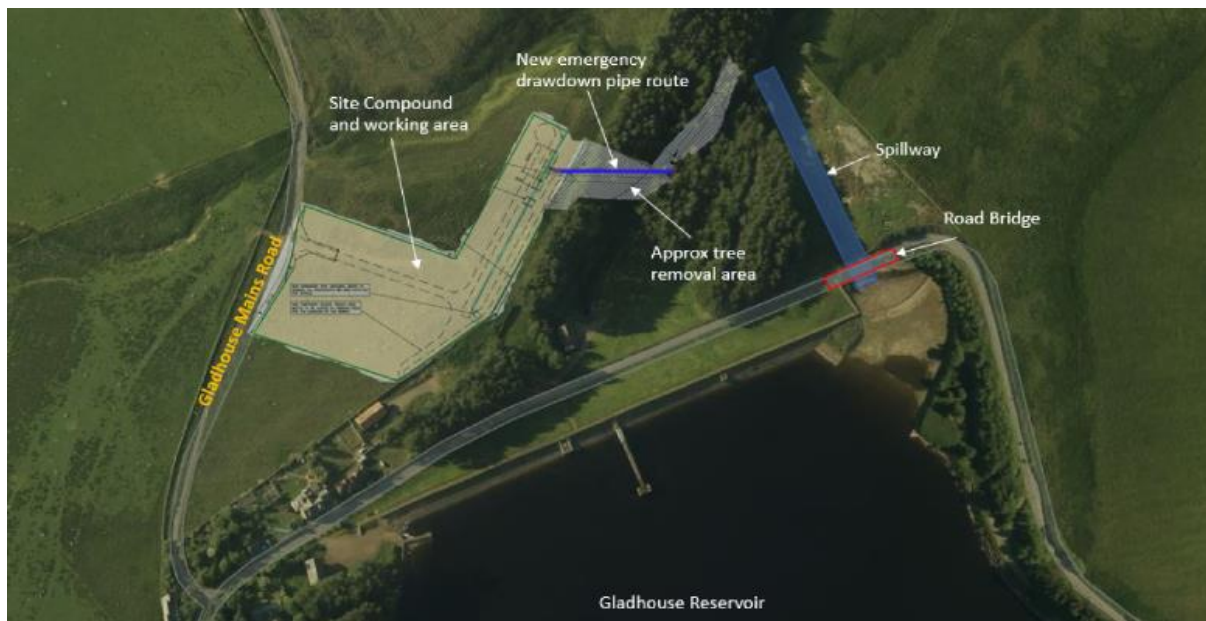
Scottish Waters project team and contractors (Georgie Leslie Ltd) have completed site preparation work at Gladhouse Reservoir ahead of the work on the Dam. We carried out road upgrades on Gladhouse Mains Road and set up a site compound. We removed trees within SW owned land for a future emergency drawdown pipe and carried out site investigations to the Rosebery WTW raw water pipe and at the spillway.

Planning has been submitted to Midlothian Council and work will commence in 2023*

The work will consist of:

- Repair and upgrade the spillway channel, including replacing and raising road bridge, to accommodate future flood events.
- Improve the drawdown capacity of the reservoir. This allows us to reduce the level of the reservoir quickly in the event of an emergency.
- Install automated valves on the tower outlets to assist operation.
- Provide safe access to the upstream face of the dam for Scottish Water staff.
- Install apparatus to safely gauge the flow at the outlet of the tower culvert.

A satellite view of where the work will be taking place



Spillway

Road bridge



Air curtain and safety boom

Gladhouse reservoir has an air curtain north of the reservoir, marked with orange buoys, next to the dam structure. This is an important water quality feature which releases millions of bubbles, aerating the water to disperse potential impurities like algae. But these bubbles create negative buoyancy, so if you swam into this area, you would struggle to stay afloat. Scottish Water are installing a new floating boom apparatus in the reservoir surrounding the air curtain. This piece of apparatus will be in place for the safety of water users. To keep construction vehicle activity minimal, the team will be using the existing site compound and material will be brought to the site as and when its needed. A new wider access gate to SW/Fishing Club car park site will be required for vehicles to access. Once the work has been completed the carpark will be resurfaced.

Planning application will be submitted shortly and we aim to be onsite early 2023 to begin the work*

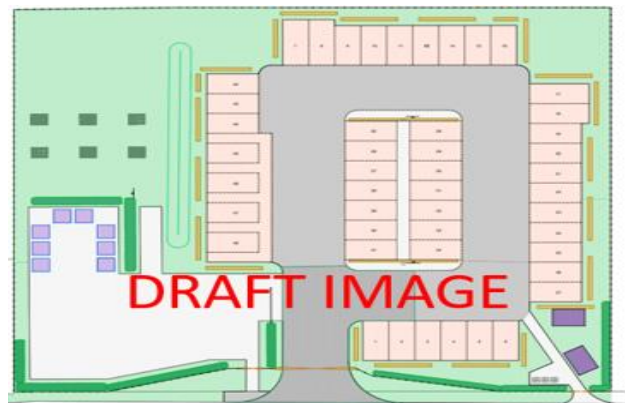
Example of what the boom will look like:



Visitor car park

We have engaged with contractors George Leslie Ltd to deliver a carpark facility with approx. 40-50 spaces. We are in the process of designing the carpark and will be carrying out ground investigations in the next few weeks.

Planning is likely to be submitted in November and we are aiming to be onsite early next year to have the car park ready for use late Spring*



Fencing

Scottish Waters Operations Team are replacing damaged old fence around perimeter of Gladhouse, the damaged fence will be removed and replaced with post and wire fence. This will also include some new gates for visitor access.



Biodiversity area

We are creating a biodiversity area to plant native varieties, as well as introducing bird and bat boxes. We have completed an ecology survey to help inform the details. We would like to fence off the area to prevent access while the area gets established. This location will also provide opportunity for visitor engagement through signage, sharing information about the biodiversity of not just the area, but the whole site – conveying its importance and asking people to respect that during their visit. Site visits are underway and we are hoping to start onsite early next year.

Where we are hoping to create a biodiversity area is detailed in the map:

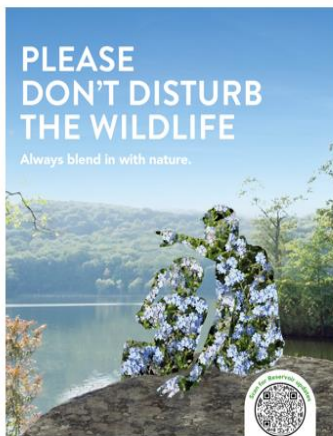


Visitor management

We are committed to connect communities with their local environment and to support tourism by enabling access to our assets. We are working to implement different trials through the Enabling Responsible Access Pilot. More information on the pilot can be found [here](#).

Anti-Social behaviour, fires and littering was unfortunately a big issue for us this summer as detailed in our [August Newsletter](#). New signs have been erected at Gladhouse along the road and pathways to reinforce messages on acting responsibly.

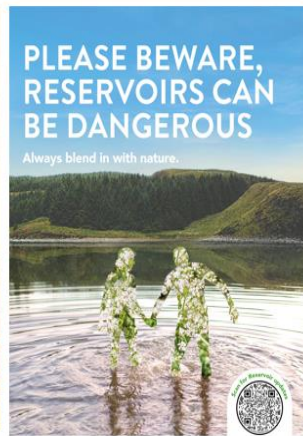
We are working in partnership with Midlothian Council to employ a countryside ranger for Gladhouse Reservoir, in recognition of the number of visitors the site is experiencing. We have had a lot of interest in this position and hope to have someone in place in the new year following interviews in November. We are working with Midlothian Council to define their role which will develop once the candidate is appointed.



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Health and Safety work

A H&S Survey was carried out around the site at the beginning of this year and there are some upgrades to walkways and paths we would like to make around the site to ensure safe access to the site. We are working with our H&S team to make these changes.

Blackburn intake

On the east side of the reservoir we plan to do some upgrades on an old stone wall. This will require planning and is currently in the early stages. Updated on this work will follow once we know more.

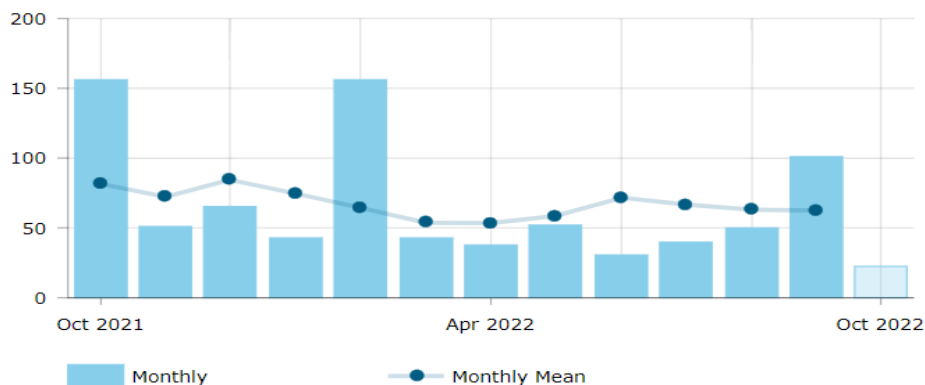
**Please note all dates mentioned above are subject to approval and change.*

Other Updates

Water Levels

The water levels have been rising in Gladhouse since the end of August which is reflective of the rain experienced in recent weeks/ months. Since May we have experienced lower than average rainfall for 6 consecutive months through to September. Having been 80% at the start of May the levels fell to 48% at the end of August and then with rain in September and October the level has increased to 59%, as shown in the graph below:

Monthly Rainfall totals in mm at Gladhouse Reservoir ⓘ



Temporary Clearway Order

The Temporary Clearway order to restrict parking on the carriageway and verge on the U80 Gladhouse stopped on 2nd October. While this is no longer in place, we remind visitors to please park considerately to ensure safety on the road, particularly access for emergency vehicles. This will be reviewed by Midlothian Council.

Future Updates & Feedback

We hope this document provides some clarity on what is planned for the upcoming months at Gladhouse. We do recognise that at this stage we are unable to provide exact dates for when some of this work will take place as lot of this work does require planning approval. We are committed to being open and transparent and will provide specific timings when they are available.

Scottish Water are part of a multi-agency group, which includes community representatives, discussing the challenges and plans for Gladhouse Reservoir and we are listening to feedback on a range of topics for the future of visitors to this beautiful place.

If you have any questions or want to provide any feedback, please email us at GladhouseReservoir@ScottishWater.co.uk