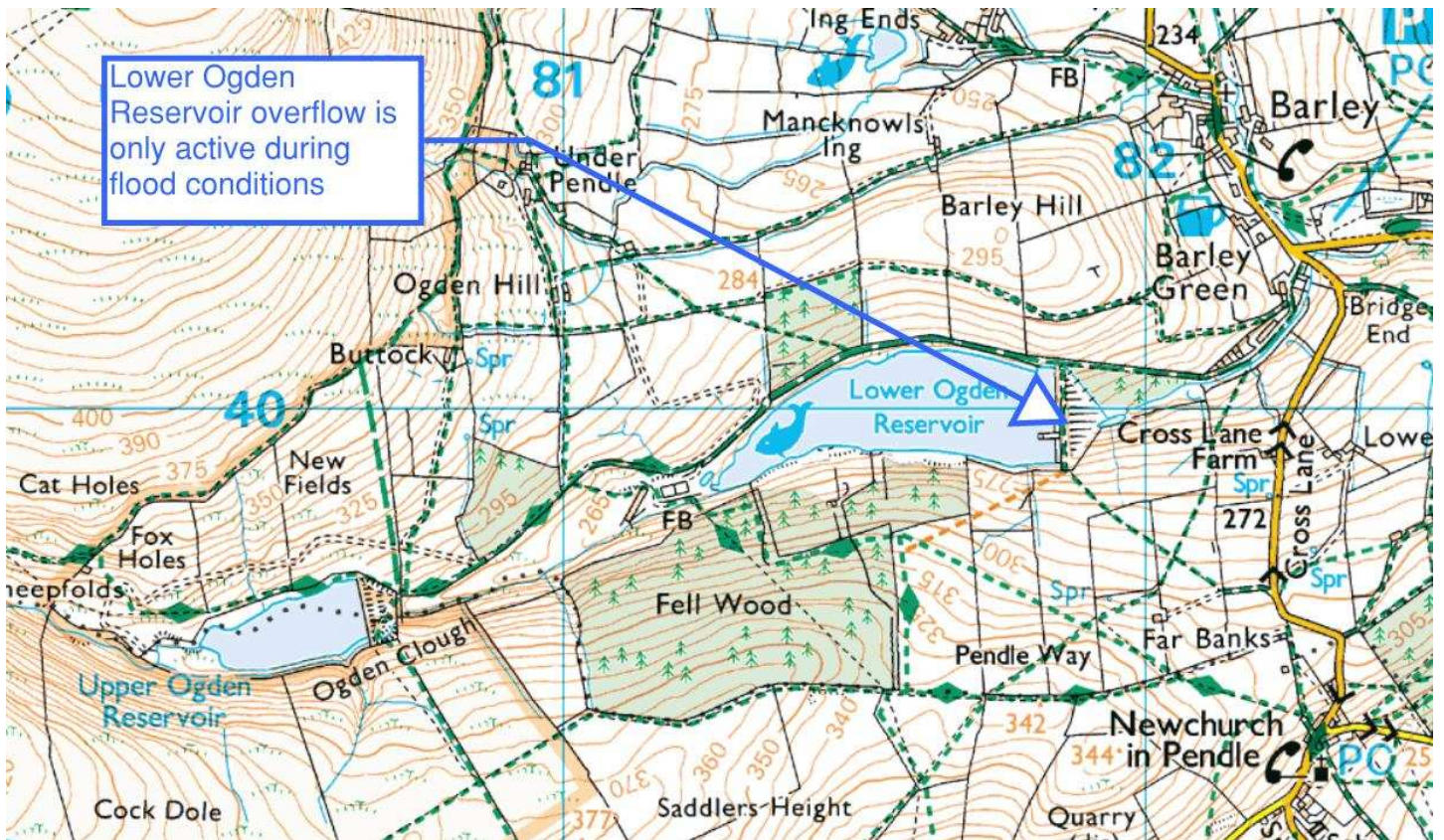


Site 37: Ogden Reservoir, Barley

Site Assessment

Figure 1 Map showing general layout



This site has good head potential, and is at the overflow to a large reservoir. There was unfortunately no water flowing out of the dam on the day of the site visit, and United Utilities have stated that there are no requirements at this reservoir for a compensation flow. Ogden Reservoir only overflows during flood events when the reservoir is overtopping. It is not deemed feasible to attempt to harness the water during these events as they are too infrequent. Dirty water is turned away from the reservoir via the by-wash on occasion but this is also too infrequent to be harnessed, and the flows are not measured making any potential impossible to assess. There is a piped flow to the nearby waste water treatment works of up to $0.14\text{m}^3/\text{s}$, but it is assumed that this flow is not suitable as the head is likely to be required for the water transport.



Figure 2 Lower Ogden reservoir



Figure3 The dry overflow

Conclusion

Unfortunately, due to the extent of artificial influence, the catchment for this site could not be defined and flows could not be predicted. It is unlikely that there is sufficient consistent water to supply a hydro scheme surplus to the fish pass and compensation flow requirements.

It is not recommended that any further investigation is carried out.

Further Information

This site report is produced by Inter Hydro Technology on behalf of Forest of Bowland AONB, and funded by a partnership including Lancashire County Council, Lancaster & District Local Strategic Partnership, Pendle Borough Council and Ribble Valley Local Strategic Partnership.

This site report should be read in conjunction with the rest of the Forest of Bowland AONB Hydro Feasibility Study which can be downloaded at <http://www.forestofbowland.com/climatechange#hydro>