

The damage being done by run of river hydro in our National Parks is far from over

Description



Looking down onto the new construction road for the hydro scheme in Coire Aodainn to the west of the Corbett Beinn Bheula. Photo Credit Tom Prentice July 2019.

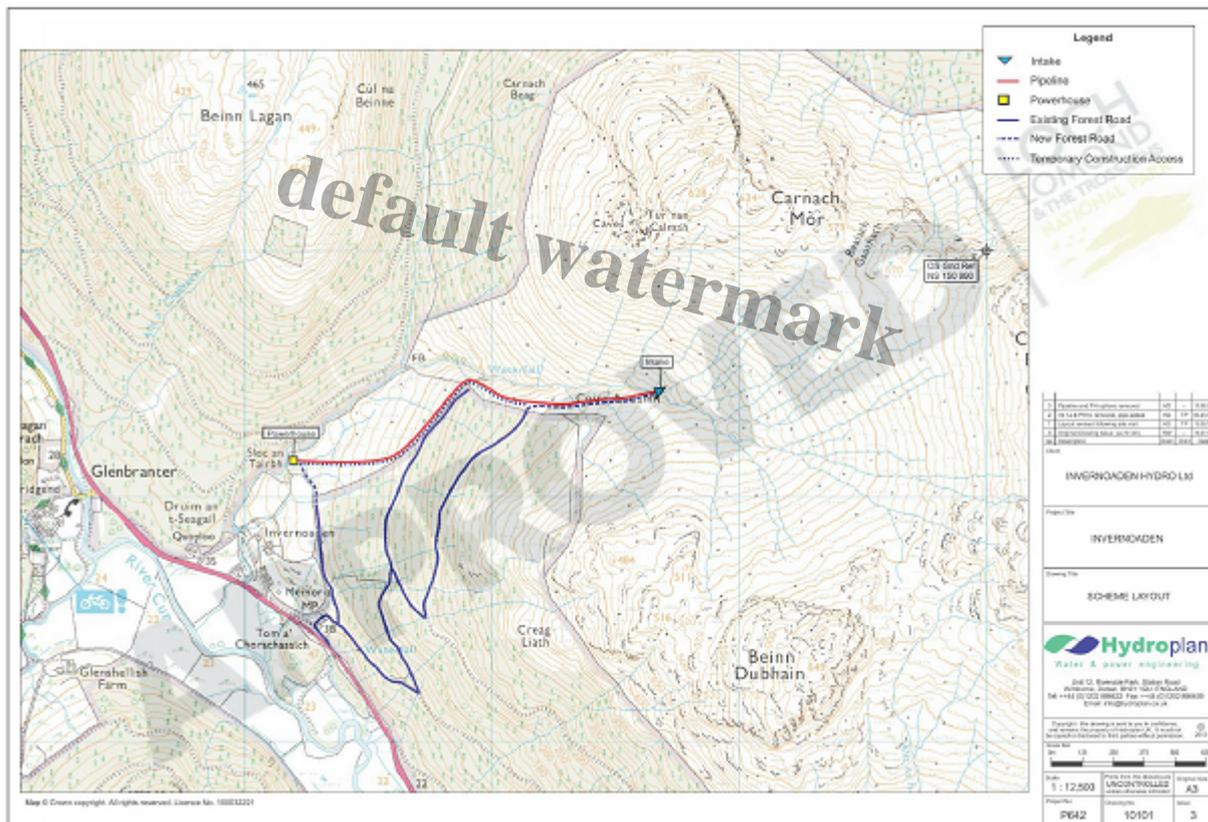
The night before going on holiday a couple of weeks ago, I was on the Question and Answer Panel organised by Patagonia following the showing of their fantastic film [Blue Heart in Edinburgh \(see here for film â?? 45 mins\)](#). The discussion (a podcast of the event is being produced) focused on the similarities and differences between the destruction going on in the Balkans â?? 3000 hydro schemes in Albania alone â?? and Scotland.

In the Balkans, there are still sizeable communities in rural areas whose livelihoods have been put at stake and who have been leading the opposition. In Scotland, people have been cleared from the land and those that remain in the remoter areas where hydro schemes are being built are mostly dependent on landowners, whether for work or housing. Hence, in Scotland, unlike in the Balkans its been outdoor recreationists who have been leading the opposition to hydro schemes, with some notable exceptions such as Councillor Andrew Baxter at Glen Etive.

All the campaigning recreational organisations, Mountaineering Scotland, Ramblers Scotland, Scottish Wild Land Group, John Muir Trust were at the event and there was a real sense that the Glen Etive

Hydro Schemes have marked a turning point. There was also general agreement that in respect of protecting landscape, wild land and ecology our planning system, whether inside or outside National Parks, is broken and that concerted action is now required to prevent further damage and restore the considerable damage that has been caused by run of river hydro schemes to date.

Although the Feed In Tariff which has driven the development of hydro schemes across the UK may have come to an end for schemes which have not yet got planning approval, there are still a significant number of schemes in the pipeline, including the seven in Glen Etive. Photos sent to me this week by Tom Prentice, who has produced two excellent walking guides to the Lomond and Trossachs National Park ([see here](#)), provide a timely reminder about why those concerned about hydro schemes need to remain vigilant, even in our National Parks.



The Invernoaden hydro scheme is east of Glenbranter and west of Beinn Bheula which is just off the map. The solid blue lines mark existing forest road, the dashed blue lines two permanent new roads in open country and the dotted line a temporary construction road which is to be fully restored.

The Invernoaden Scheme was originally approved back in 2013. A new planning application was then approved by officers in 2017 ([see here](#)) and construction work appears to have started only this year. There were no objections to the scheme and no representations from the local community. As is their usual practice, the Loch Lomond and Trossachs National Park Authority has not published any of the documents it required post granting planning consent, which makes it very difficult for any member of the public to tell whether planning conditions are being observed or not. This makes it very difficult for anyone to complain.



Construction in progress. Note the bare sides to the ditch on the left and the piles of peat and turves on either side of the road. Photo Credit Tom Prentice.

While the documents might not be available, the planning consent required the developer to appoint an Ecological Clerk of Works to monitor the construction and also required a turves management plan to ensure that turf and topsoil which was removed during the construction process was stored properly so it could be used to restore the temporary construction tracks once the work completed:

3. Treatment of Peat and Turves: Prior to the commencement of development a turve management plan for the whole site shall be submitted and approved by the Planning Authority. This shall include details of:

- o The storage and management of the different habitat types and turves of different sizes and depths; and*
- o Coding of habitats to ensure habitat turves are reinstated in the correct areas.*

The details to be provided under Condition 1(k) shall require the pipeline route to be exposed in short sections only (to be defined and agreed under condition 1(a)) and turves associated with the construction of the pipeline shall be stored for a maximum of two weeks.

The photos suggest the turves have been dumped, rather than stored as per the condition, so I have submitted a complaint to the LLTNPA and asked for a copy of the turve management plan. Although this document could be published on the planning portal with very little effort, the LLTNPA is treating this as an FOI request and told me they will respond as soon as possible or within 20 working days. On past experience, *as soon as possible* will turn out to be the full four weeks.



The contractor. Photo Credit Tom Prentice.

The key point, however, is that the leaving monitoring of hydro schemes to Ecological Clerks of Works who are dependent on the developer for their pay gives carte blanche to developers and contractors, who are under pressure to undertake work as cheaply as possible, to ignore planning conditions.

Planning enforcement staff should be on site right from the start and treat any breach of planning conditions as a reason to suspend all operations. That would cost developers and focus minds. Instead, even in our National Parks the level of independent monitoring of schemes is risible and as a consequence our planning enforcement system does not work.

Without planning enforcement, all the documents which developers have to produce to get planning applications approved are simply an expensive charade. The multitude of documents support an army of consultants and protect the backs of planning authorities with very little demonstrable benefit to the natural environment or people.



More turves dumped upside down â?? the best way possible to kill of the vegetation.
Photo Credit Tom Prentice.

Although the map (above) shows there are already three forestry roads close to the scheme, which could have enabled the intake and powerhouse to be accessed on foot, the LLTNPA nevertheless agreed to the creation of two *Permanent forest road spurs extending from existing forest roads to the intake and powerhouse*. The language tells a tale. These are NOT forest roads and indeed won't be built to UK forest standards because the Planning Officer has rightly required them to be narrowed to 2.5m post construction. Why describe roads on the open hillside as *forest roads* then? That's extremely misleading as it suggests the roads will be screened by trees and helps maintain the fiction that all the new roads being created have not had a significant impact on the landscape in the National Park.



Photo credit Tom Prentice

While the main section of construction road which will be used to bury the pipeline is to be fully restored, there are questions about why in this case was it ever needed? On the Gynack Hydro scheme above Kingussie in the Cairngorms ([see here](#)) winching equipment was brought up by the existing road and the pipeline then winched up alongside a trench dug with small diggers. The impact on the landscape was as a consequence far less than in other hydro schemes. Why not here? The problem, I suspect, is that planning staff are not encouraged to spend time learning and sharing best practice but are instead under pressure to consent to schemes in as short a time as possible.

Reading the Officers Report ([see here](#)) is like reading a tick box exercise. That is not the officers fault but that of the planning system. The assumption, which is driven by the Scottish Government, is that all development is good and the presumption is that every possible impact can be satisfactorily mitigated. Strategic questions are avoided:

- what will the net impact of this hydro scheme have on carbon emissions after the emissions caused by the construction (concrete, pipes fabricated out of oil based products, destruction of peat, fuel) are taken into account?
- why are new permanent access roads required and what will be the cumulative impact of all these roads be on the landscape? (A major issue at present as much conifer forestry reaches maturity and is felled)
- what has been the cumulative ecological impact of diverting so much water from what were wild river systems in the National Park?
- are there better ways that this land could be used, including its potential to abstract carbon from the atmosphere?

Where next?

I hope that with increasing levels of concern being expressed by the public, the next year will see a far more strategic debate about the role of run of river hydro schemes in tackling climate change weighed against their impacts on the natural environment. Our National Parks should have been in the

vanguard of the debate but instead unfortunately are part of the problem. We need more organisations like Patagonia and the Mountaineering Scotland who are prepared to take on these issues.

Meantime, if you come across a hydro scheme, whether operational or under construction, and see anything of concern please take photos, pass them on to interested organisations (parkswatch is happy to help with this) and share them on social media.

Category

1. Loch Lomond and Trossachs
2. National Parks

Tags

1. Forestry Commission Scotland
2. hill tracks
3. land reform
4. landscape
5. LLTNPA
6. renewables
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