Run-of-River hydro-electric schemes in the Highlands

a photostudy of their impact on wild land and our enjoyment of the mountains

March 2019

this is Glen Quoich, one of the most intrusive schemes, formerly wild and secluded, yet conspicuous from the South Cluanie Ridge and the Quoich Munros, in off the Kinloch Hourn road

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Run-of-River hydro-electric schemes in the Highlands

these schemes just happen to be ones we have come across while going about the Highlands in the last few years - there are many more, and this is not a 'sample survey'.

most of them we consider **very** or **disastrously** intrusive, but **a few show what can be done**, if we have to sacrifice any more of our wild Highlands.



weir

Gleann nam Fiadh, Affric

Gleouraich 1034m

1 Glen Quoich

Loch Quoich

(c) J Michael Loughridge





this is **Gleouraich**, a popular Munro above **Loch Quoich**

and tucked in behind is Glen Quoich, seen in these old photos from the South Cluanie Ridge, and (inset) from the summit. modest estate tracks went up the two branches.







and this is why people like to climb **Gleouraich**

Hamish Brown calls the stalkers' path which winds up it 'the finest in the Highlands' - indeed.





but this is what people now see, from the stalkers' path ...

... looking onto Glen Quoich, once the most secluded of backwaters between Glen Shiel and Knoydart.

some shrug. some are devastated. like the land.





- why carve a new track up the east side, duplicating the one to the Lodge ?

- why tap every wee side burn, with not much fall, and often quite low ? the web of tracks ramifies to numerous weirs in both Wester and Easter Glen Quoich

Sgurr a' Mhaoraich 1027m

Am Bathach (arrow - next slide)

Sgurr an Doire Leathain 1010m

old estate track

the riverbank here once offered a delightful place to camp, at the foot of one of our most remarkable zigzag stalkers' paths; now crushed.

SH LAT

a year later - and one of the tracks has been extended right into a precious, steep-sided coire-glen Times To

two big borrow pits, to build all these tracks - they will long remain conspicuous scars at the very start of Hamish's 'finest stalkers' path', you see up this steep side valley to the summit of Gleouraich

- very difficult to engineer a 'safe' access track up such confines without scars
- and a silenced burn, for what ?



Loch Quoich

new steep access track

viewpoint

Gleouraich means 'mountain of the yelling'.

we hear it.



2 Gleann Cia-aig

this side valley provides a main access to the Lochy Munros. a woodland path used to ascend by the Eas Chia-aig waterfall, and join a forest road. above the 'beauty spot' falls, it now passes a turbine house and ascends a zigzag access road blasted out of the rock.



below : how green was my woodland path

zigzag road blasted out of rockface can just be seen in dark sector of image







the crude, over-engineered access road leaves indelible rockwall scars and spoil banks. unnecessary 'urban' signage proliferates. this scheme is on Forestry Commission Scotland land.





20 4 22



3 Kingairloch

this is a little-known wild, rugged tract just south of the main road from Corran Ferry to Strontian, Morvern and Ardnamurchan. and this is **Fuar Bheinn**, a Corbett on the magnificent long-day ridge circuit



and down there is the main road from Corran Ferry to Strontian, Morvern and Ardnamurchan. and the steep, rough northern corries of **Fuar Bheinn**, have just been 'harnessed'

A 861



these three 2017 air photos are from the website of Patricia and Angus Macdonald (Aerographica).

they have long been celebrated for their work, which is displayed in Parliament and National Galleries.

they record, never comment. they do not need to.

this is how the two corries were, just a wee while back



Auch, Bridge of Orchy 4

Ben More



we are on **Beinn Dorain** in the **Orchy Munros**, looking down onto Auch Ghleann and the famous Horseshoe Curve on the West Highland Line.

this side valley offers secluded, quite wild walks through to Glen Lyon or **Tyndrum.** already in this old slide, an estate track has been rather crudely bulldozed up it; it was healing slowly

Beinn Dorain

now a second track loops up the other side, making a veritable cats cradle

Olo Annaty Road

West Highland Way West Highland Line new bridges

BING maps

old north side track exaggerated by overlining





the cat's cradle dominates the whole glen - could one track at least not have been restored?

the new one has been smoothed off nicely - but looks as though pickups could roar up at 40 mph.

with the conspicuous weirs, three new bridges, and turbine shed, this is now a rural-industrialised landscape.



in this open, grassy glen, a well-designed Run-of-River scheme could have been acceptable, with a single, minimum-width maintenance/estate track, no bridges - and native woodland regeneration



this is **Ceannacroc**. hardly anyone has ever heard of it. it is truly wild. or was. yet it is just off the A87 **Road to Skye**. three glorious long corries, culminating in magnificent crags on high Munros. one has a Prince Charlie's cave. access tracks already penetrate right up them - now upgraded to weirs well into two

Sgurr nan Conbhairean 1110m

River Doe

Bun Loyne

Glen Moriston

BING maps

< Cluanie Inn

A87





Sgurr nan Conbhairean and the middle Ceannacroc corrie

such approaches should be sacrosanct

Ceannacroc north corrie access track, as seen from the north rim (Aonach Shasuinn, Affric) - actual weir locations tbv



the next corrie north. these hydro access tracks will never be reinstated, they are useful to the estates.

a story about Ceannacroc, as seen from the north rim (Aonach Shasuinn, Affric) is appended







6 Gleann nam Fiadh, Affric

these are the **North Affric Munros**, with our highest peak NW of the Great Glen in the distance a stalkers' path leads up the open corrie on the left onto this fine ridge

Carn Eige 1182m

this is the main stalkers' path, along the riverbank up Gleann nam Fiadh. our branch heads up right to the col in the previous picture.

and the good news is - it is still like this, and is not threatened (well, not this time round)

but the sad news is - to get to that point, you now have to walk up an RoR hydro road - the weir is by the digger



the weir is at the Forestry Commission boundary. it pushes 'rural industry' right into the gates of wild land. the scheme taps 200 m of fall. putting the weir at the top of the outer glen, with 100 m of fall, would have halved the access road length and not intruded into the mountains. that is 4 km of hard, unforgiving footslogging (orange line) where before was a nice, winding path

I. I. K. L. B. LAND



satellite imagery does not yet show the full scheme - but the access road is half-way there. the contrast with the old path is stark.



and on the south side of Glen Affric, we await satellite imagery of an access road and pipeline up through our finest surviving Caledonian pine forest.

Google





this is **Glen Cannich**. this is not Munro or Corbett country. but a once secret side valley above **Liatrie** harbours a perfect small remnant of our ancient **Caledonian pine forest**. it was trackless, and felt very wild. now :






the heart of the **Caledonian pine forest**, the tangled dell between the open wooded slopes, is now even more silent



before, it was completely trackless. not even a hint of stalkers' path on the map. just saying. so why not insist the track be reinstated - as it can be done ?



these are the eastern approaches to The Mullardoch Munros, from Glen Cannich. a wild, bleak, exposed, remote range. and down here, on the way to the first one you either look down onto or walk up this side valley :



Loch Mullardoch

this side valley had a neat stalkers' path up it (which my son and I once went up by) - now it has a bulldozed track to an intake weir

from up here, the weir may look an insignificant speck...



specks can be very eye-catching

and, another silenced burn to walk up beside, on a hard track



(repeat) this side valley had a neat stalkers' path up it (which my son and I once went up by)

- now it has a bulldozed track to an intake weir
- which is unlikely to be removed, so the whole approach has been comprehensively de-wilded



Creag a Chaobh

reag Dhubh

mh Bha

22

Beinn-

these are the high, graceful **Strathfarrar Munros**. there were two and are now three man-made intrusions

- **1** *Loch Monar* with hydro drawdown
- **2** small forestry blocks at Monar Lodge and in Strathfarrar
- **3** Run-of-River hydro access track

and a short stalkers' path :





this is what an intact, well-used stalkers' path looks like

the old stalkers' path up Coire na Faochaige went as far as the red arrow, now a permanent road.

access to the weir goes right in to the heart of the corrie. - inset shows poor design - a straight line, a conspicuous bridge view west

in the summer of 2018, my 12-year-old grandson took me up his second Munro, a Strathfarrar.

on the way back, we detoured up a faint old stalkers' path (not on the map) to this col, for a view up Loch Monar to some of our most remote Munros. even in misty July, it is a thrilling prospect.

but his first indignant question was, "what ever's that ?"

Lurg MhorBidein a' Choire Sheasgaich986m945m

Sgurr a' Chaorachain 1053m





we are coming off the east ridge of **Moruisg**

before : short stalkers' paths up the lower burnside, no pre-existing tracks, desolate but pristine

by contrast, this scheme beside the A890 Achnasheen--Kyle road is one of the less obtrusive

- weir well hidden in a ravine
- lower half of access track fully reinstated, not even a path



if no access is needed to the weir here, why anywhere ? (a wild land conscious owner ?)

BUT: the burn in spate is too dangerous to cross, just above the weir - yet at the foot of the ravine, it is easily stepped across.

and walking down beside it, the burn is now silent.





Fannaich Lodge

looking down from the high crest of this famous chain of Munros above the Ullapool road, a new access track up open slopes to a weir is a conspicuous intrusion, where no path was before. will it be reinstated ?

weir,



this is the north side of the Torridons...

we are looking across unseen Loch Maree to Beinn Eighe, Liathach, Beinn Alligin... before them, the lesser but rugged and fascinating hills of the **Flowerdale Forest**... and from here on the slopes of Slioch the eye is snared by : ...a new access track where once was only a thin stalkers' path... ...which will remain, for the benefit of sporting access... ...as will, forever, the concrete weir and impounded artificial lochan

old stalkers' path

weir

R Grudie ravine



and this is the remarkable summit of Beinn a' Chearcaill the giants' football park - which we reach via Glen Grudie Beinn Eighe 1010m

Glen Grudie

weir site

Loch Maree

10000

Image © 2019 Getmapping plc

Image © 2019 DigitalGlobe

Google Earth

Imagery Date: 9/9/2015 57°38'52.36" N 5°25'08.52" W elev 94 m eye alt 6.04 km 🔘

and this is how it was, just a few years ago

BING maps

before RoR

Glen Grudie - in detail - the fine stalkers' path is just discernible (arrowed), now superseded by a track nearer the river; and the rare wooded gorge is now silent

south of Torridon are the Munros of the Coulin Forest

some of our finest stalkers' paths weave through their corries and bealachs down to Achnashellach and Strathcarron stations on the Kyle line

Beinn Liath Mor 925m

Maol Chean-dearg 933m

this is the Coulags glen, Glen Carron

here - to end on - the Fionn-abhainn Run-of-River hydro scheme is one of the <u>best-designed</u>, <u>best-finished</u>, <u>and least intrusive</u> we have met; although no intrusion into such cherished wild country can ever be welcomed

Maol Chean-dearg 933m

bad marks first : the initial half-mile of lovely old stalkers' path from Strath Carron over to Torridon has been converted to 'power station access road' - this is boring, and painful to walk on - but the detailing, signage and finishes are excellent



good marks next : the power house is the best designed we've seen (pity about the white front gable peeping out)
- and the moraine-like screen bund is a delight
- native woodland regeneration around it would be even better ...





top marks here 😊 :

- the intake weir is well sited outwith the glen proper (they could have been greedy and gone further in for a bit more 'fall')
- the access track to it is beautifully restored, and looks like the old stalker's path has just been widened a bit for quad vehicles

fords for ATV access, if here then elsewhere please (bridge is for walkers)
extending the grove of birches down the burn would be good



pipe track has been restored with great care, - including strewing boulders back across it !

- no signs or markers at any point, by sharp contrast with FCS schemes at Achnashellach opposite, and Cia-aig



old stalkers' path restored by Pathcraft

intake weir is very neat if a bit 'engineered' and railings are too conspicuous (are they all needed ?)

- a local exclosure with native woodland restoration would blend it all in nicely



visited by David Jarman and Richard Scothorne 2 April 2018