

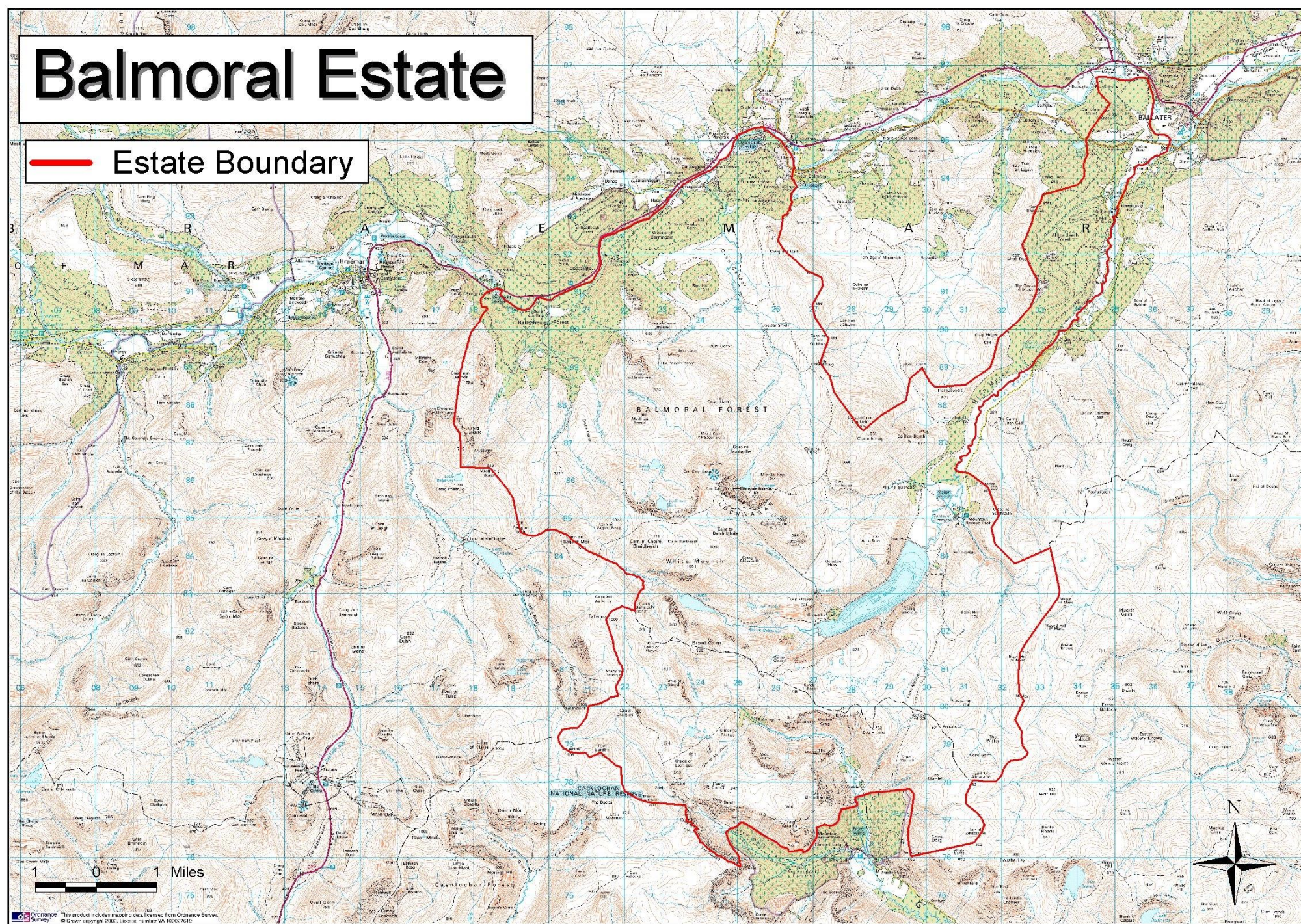


Peatland Restoration Spittal Beat Balmoral

Richard Gledson

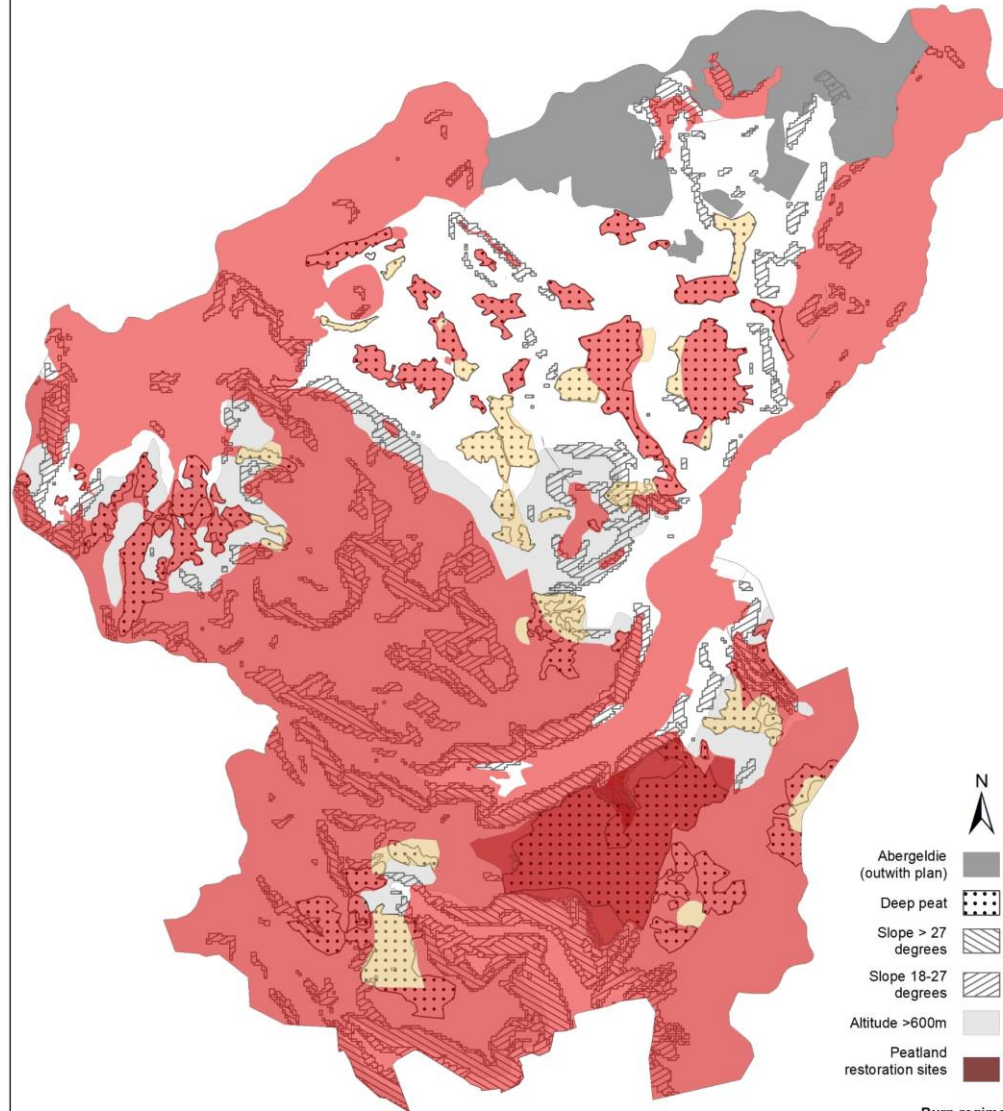
Balmoral Estate











 Estate Boundary

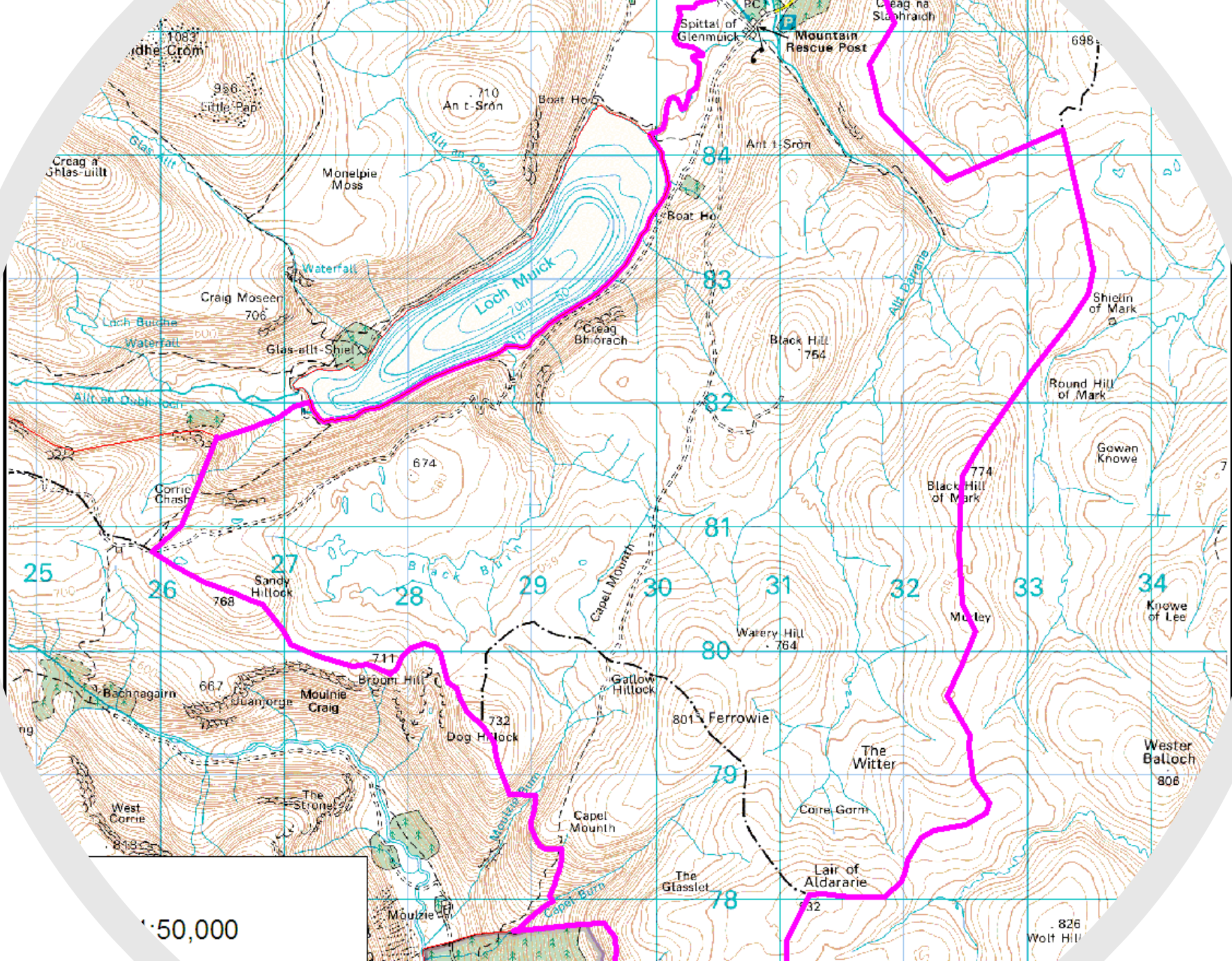


Muirburn constraints - Balmoral /Abergeldie

Agreed 18/07/19



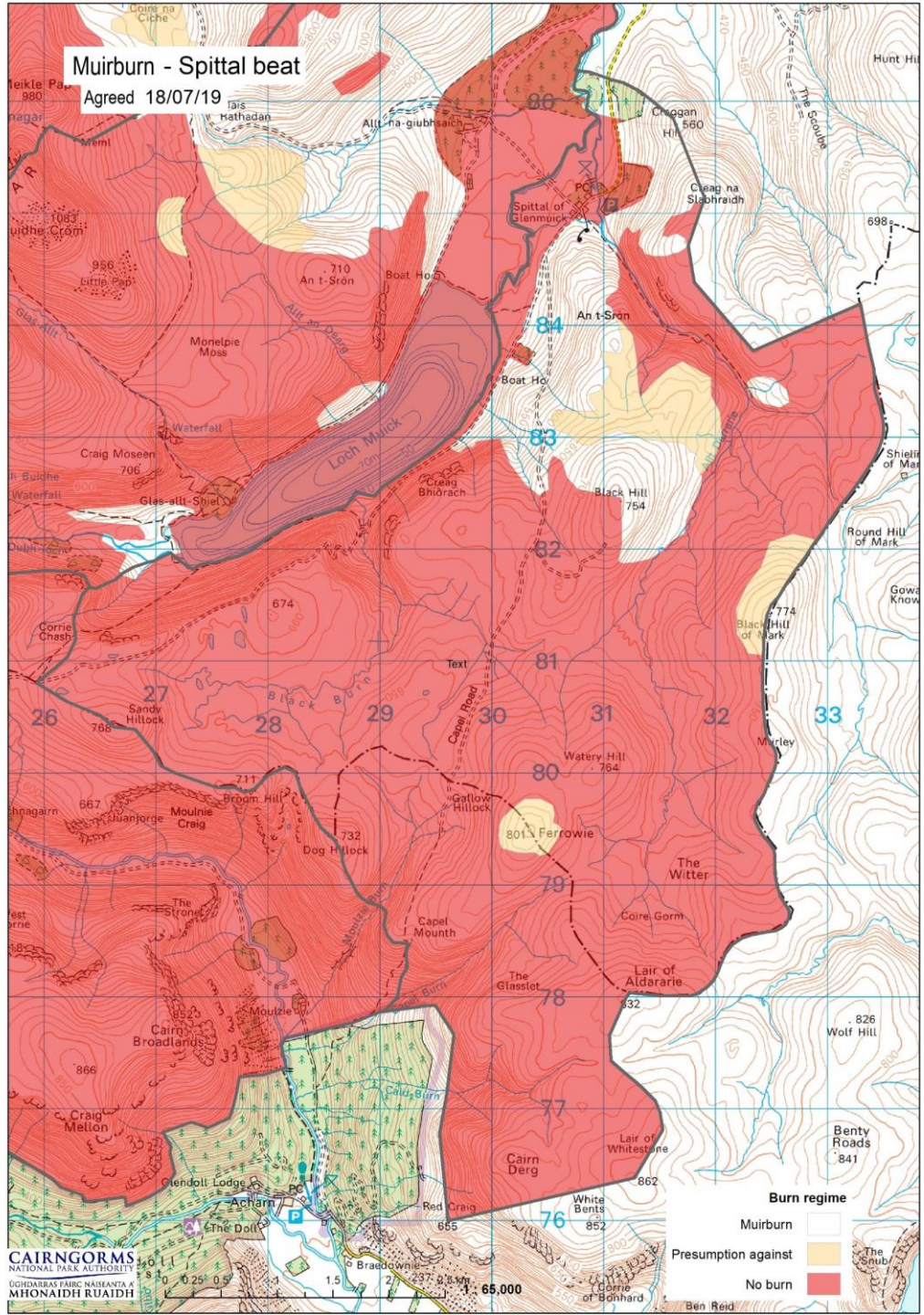
-  N
-  Abergeldie (outwith plan)
-  Deep peat
-  Slope > 27 degrees
-  Slope 18-27 degrees
-  Altitude > 600m
-  Peatland restoration sites
- Burn regime**
-  Muirburn
-  Presumption against
-  No burn



1:50,000

Muirburn - Spittal beat

Agreed 18/07/19



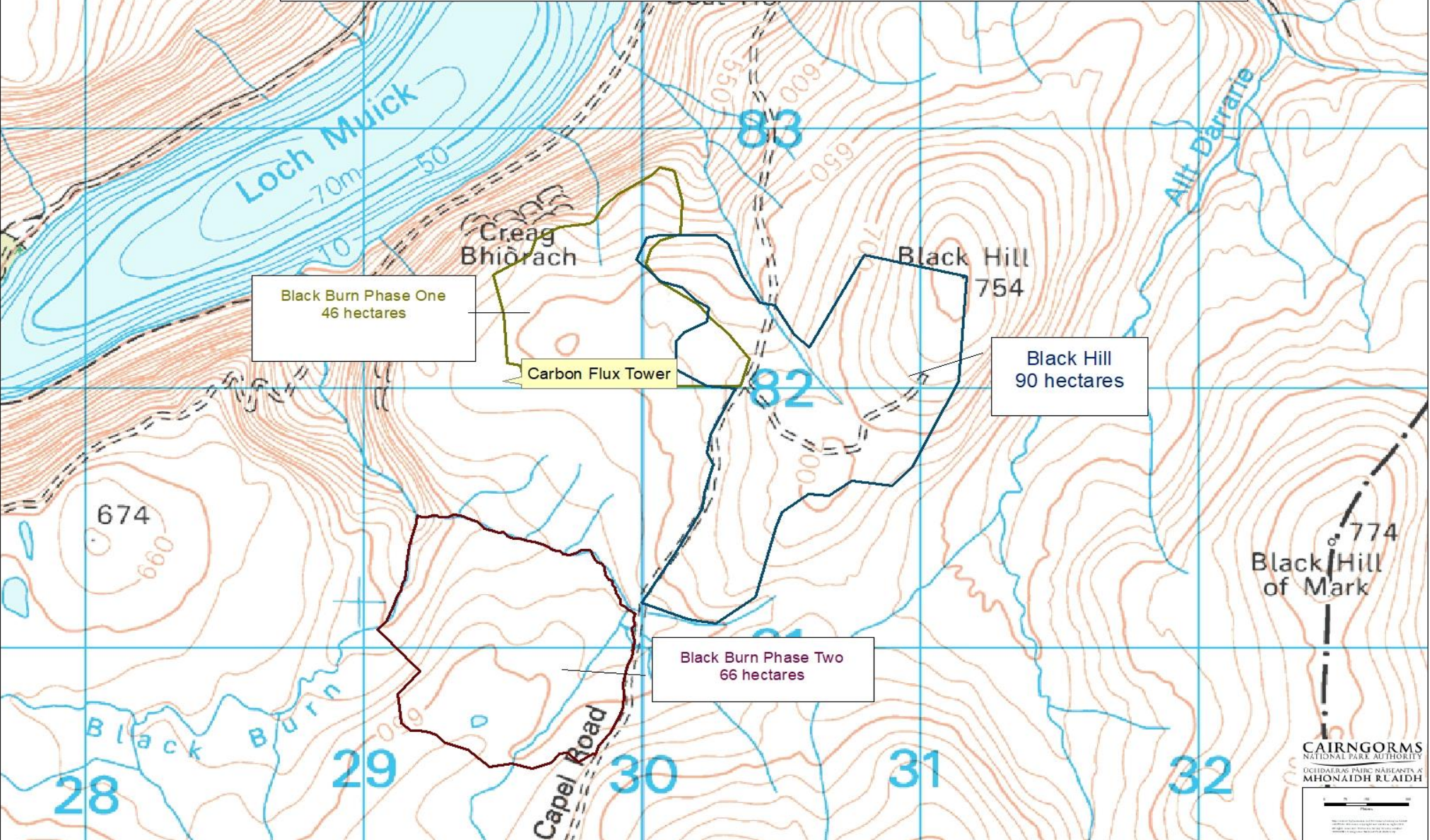
Burn regime

- Muirburn
- Presumption against
- No burn

Ben Reid



Balmoral Estate - Peatland Restoration Projects 2015 - 2020



Black Burn Phase One
46 hectares

Carbon Flux Tower

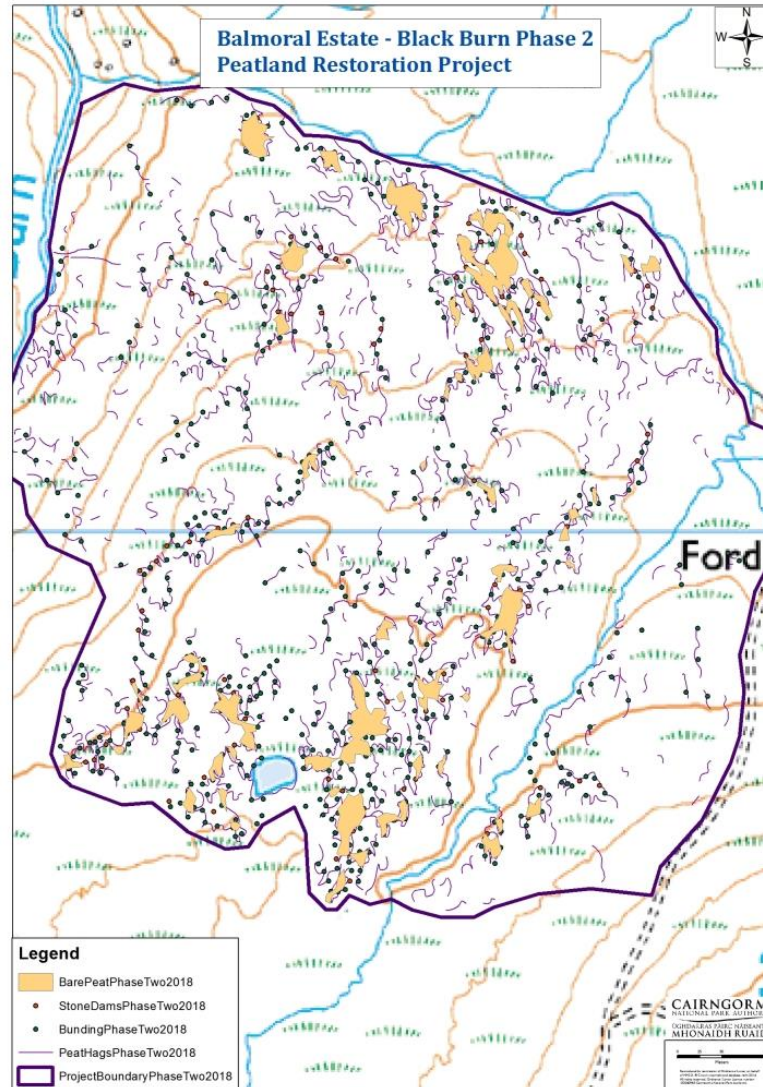
Black Hill
90 hectares

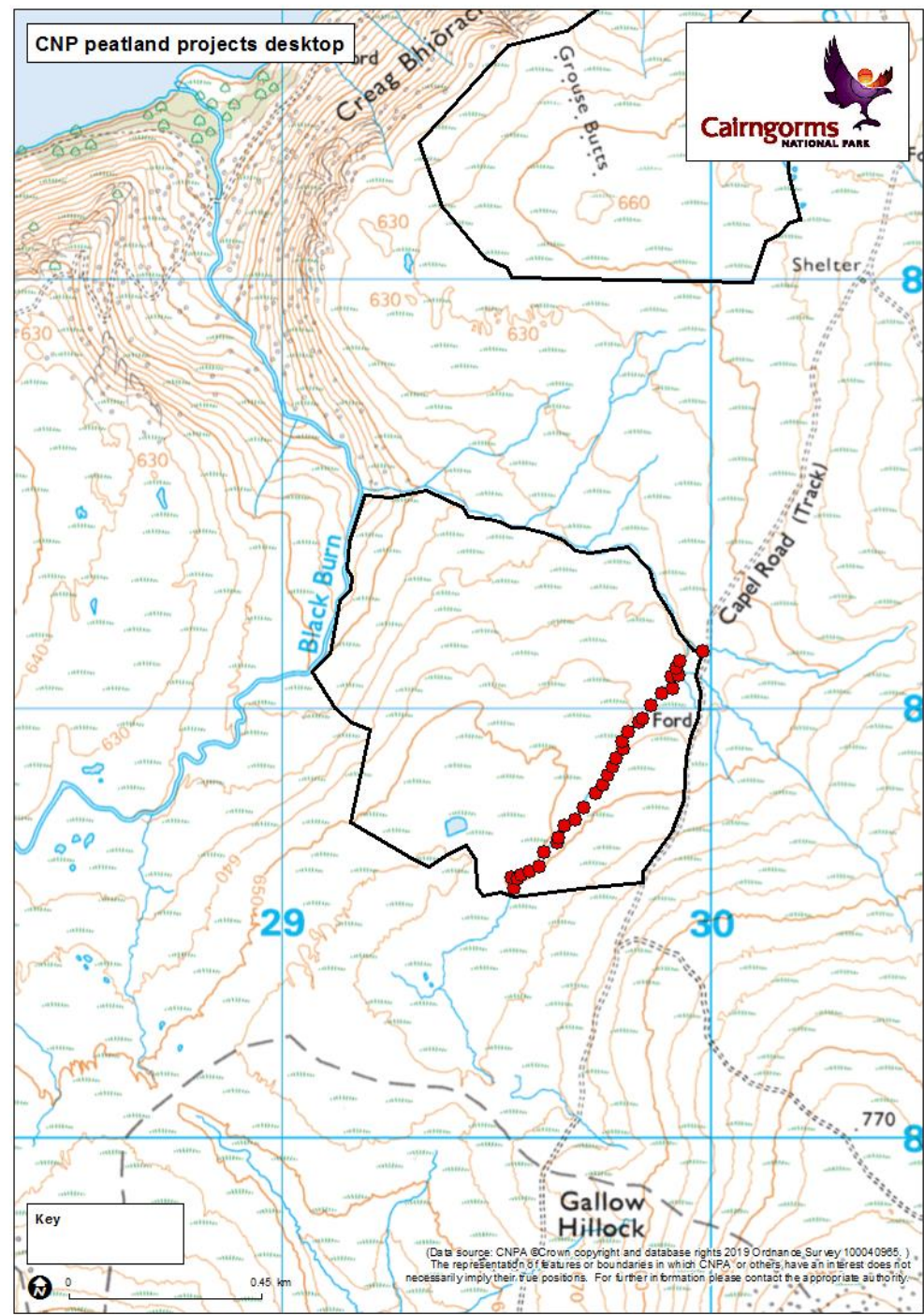
Black Burn Phase Two
66 hectares

CAIRNGORMS
NATIONAL PARK AUTHORITY
OCHDAIRAS PAIRIC NÀBANTAS A
MHONÀIDH RUÀIDH



OS Map with mapped features

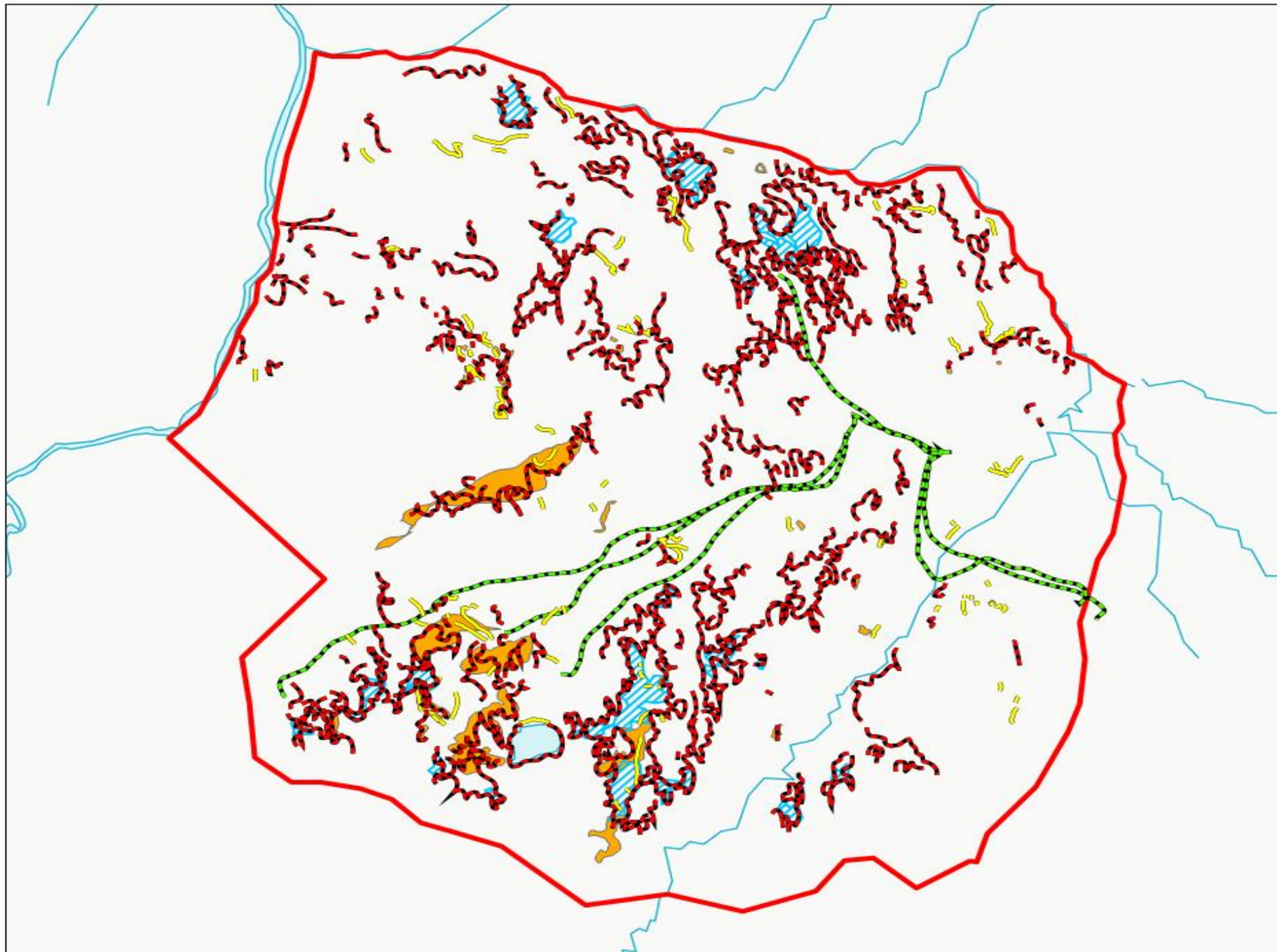




Key



(Data source: CNPA ©Crown copyright and database rights 2019 Ordnance Survey 100040966.)
The representation of features or boundaries in which CNPA or others have an interest does not necessarily imply their true positions. For further information please contact the appropriate authority.



- Key and Definitions:**
- Phase_2_Peat_Hags_Dec_2019
 - Phase_2_Extra_Hags_Dec_2019
 - ▨ Phase_2_Bare_Peat_Dec_2019
 - Polygon_Balmoral_MERGE Dec2019
 - - - Access_Track_Balmoral_Dec2019



Barker & Bland Countryside

Contains Ordnance Survey Open Data © Crown Copyright and Database Right 2018

Balmoral Phase 2

Restoration Map

Drawing No	Balmoral_PH2_Map1_Rev1.0
Date	19 December 2019

James England

James England NDF, BSc(Hons)For, MicFor
GIS - Forestry - Arboriculture - Website Design
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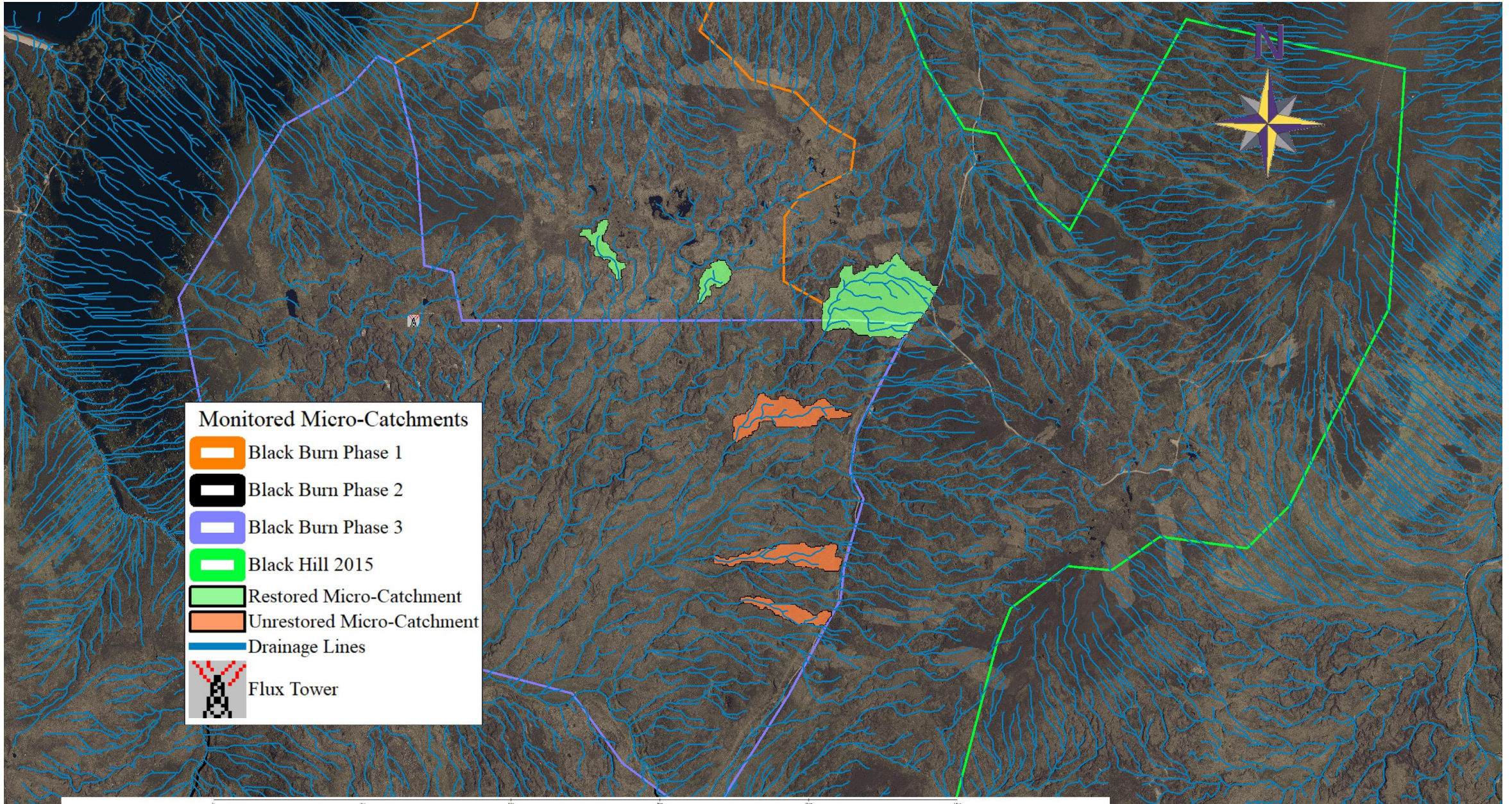




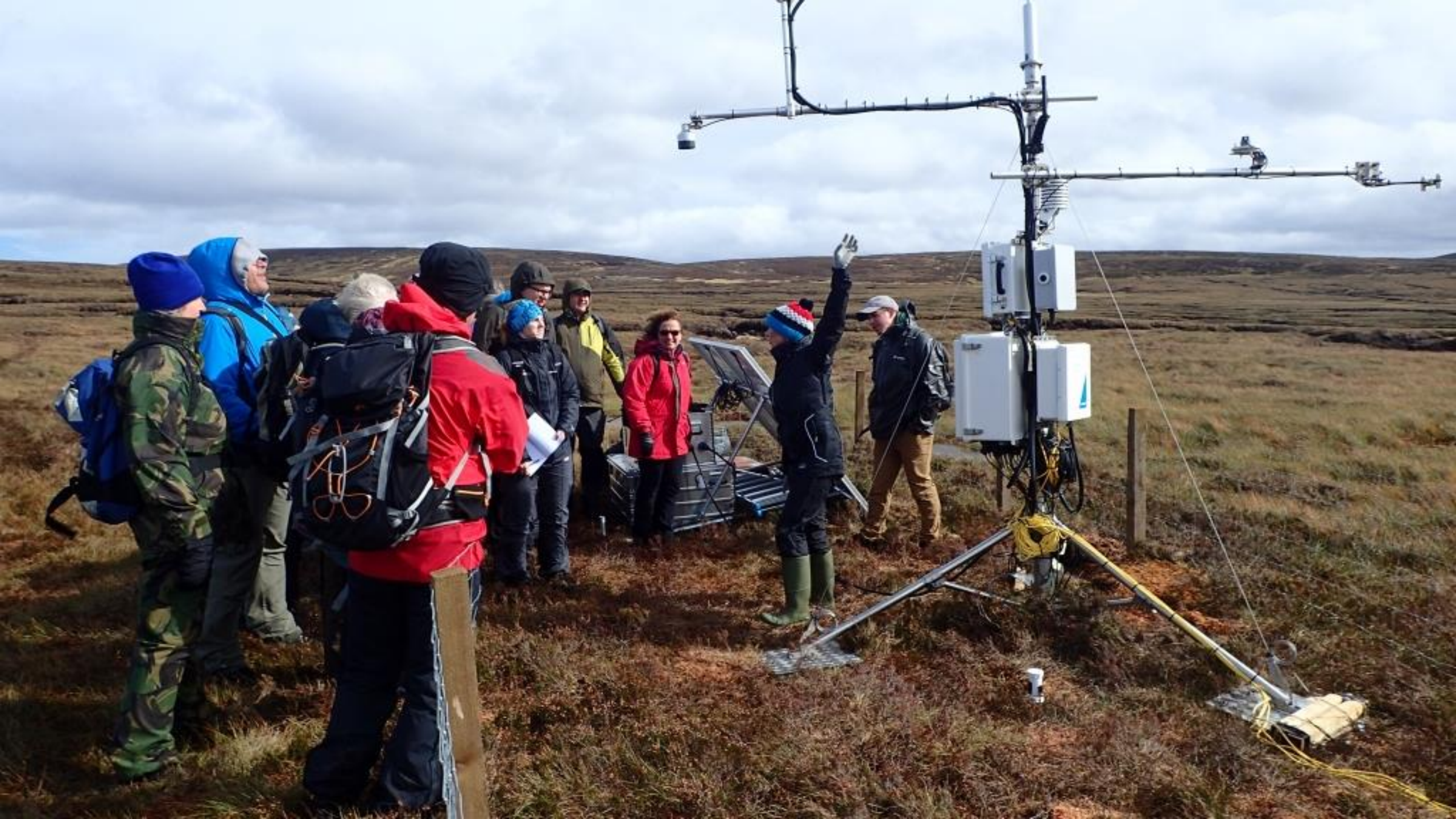


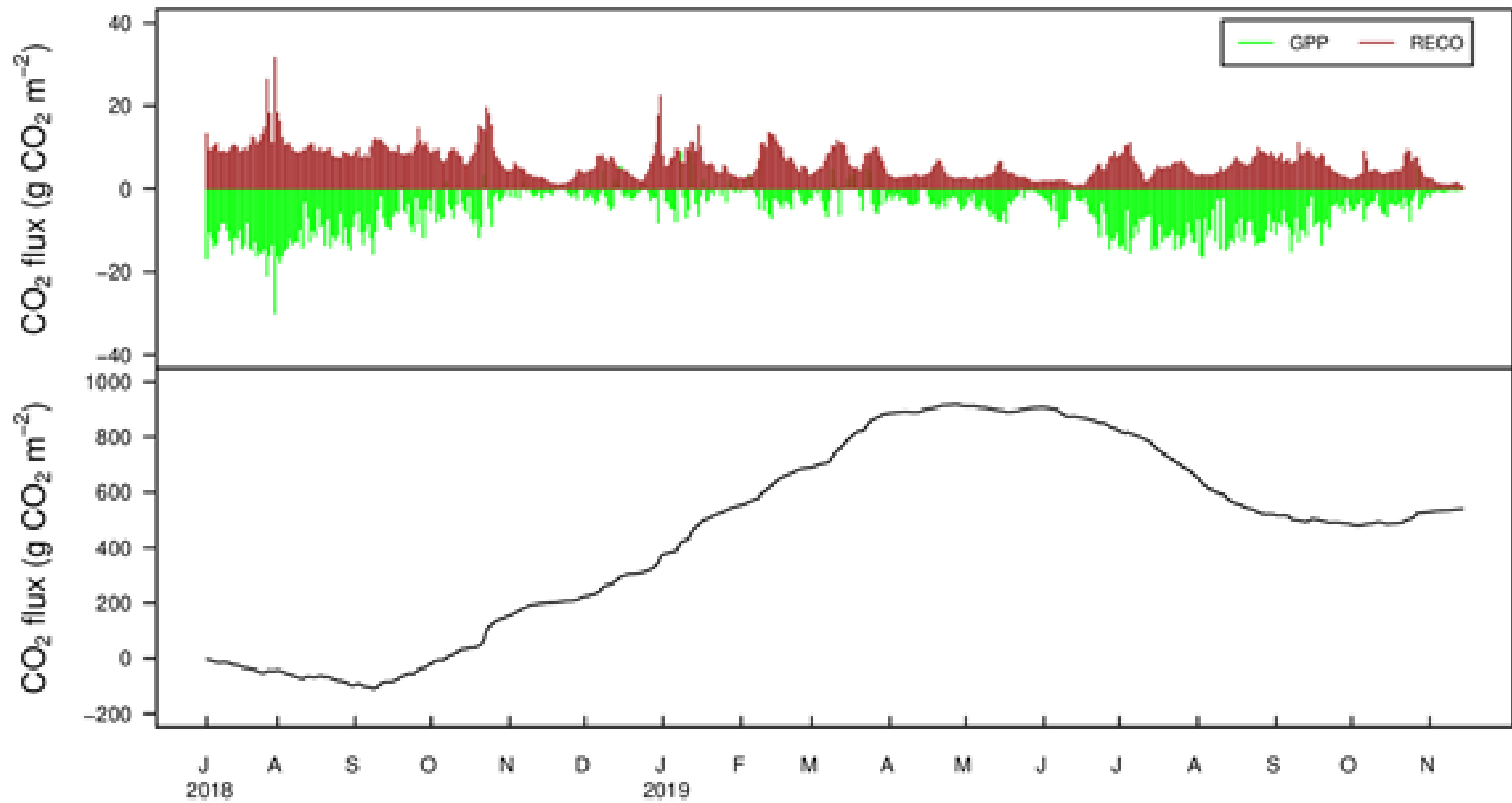
Summary

- 202 ha restored since 2105.
- 61 km of peat hags reprofiled.
- 7.6 ha of bare peat restored
- Hundreds of turf bunds and dams installed
- Cost just over £200,000 average £1,000 per ha.
- Costs mostly covered by grant.
- Good Contractors.
- CNPA Peatland Officersgreat !









Final thoughts

All makes sense to me in terms of carbon, erosion and run off, water quality and biodiversity all “public goods” and of course of its perfectly with Natural Capital.

Commitment to long term funding from SG is great news, CNPA delivery good.

Need more local contractors to deliver schemes.

Need to be able to create certainty with agreed programmes stretching over several years and at a landscape scale.

80% of peatland is degraded – really ? - “ negatively impacted”.

Need to be clearer on what degraded means, can we break it down better ?

Need to identify most degraded areas and concentrate on them.

Must be based on science .

Flux tower results, post restoration will be key to assessment of carbon credits plus water quality and run off study.

Impact of deer and other herbivores on restored sites.

