

Bord na Móna

**Enhanced Decommissioning Rehabilitation and
Restoration Scheme (EDRRS)**

**Quarterly Report – Bord Na Mona Q1FY22
(Apr 2021 to June 2021)**

Bord na Móna

DOCUMENT CONTROL SHEET

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1. Summary

At the commencement of this quarter in April 2021, rehabilitation had commenced on one bog and by the end of the quarter, approval had been granted, equipment mobilised and rehabilitation measures commenced on thirteen of the nineteen bogs identified for rehabilitation for this year. Some rehabilitation measures had been completed on nine bogs by the end of June 2021.

Rehabilitation commenced on these bogs later than was originally planned due to numerous factors. These included

- (i) limited time available between the announcement of the scheme and the target start date of 01st April;
- (ii) the time required for the approval process for each bog (Acknowledged that NPWS did shorten the time period to a one month to six week approval period per bog plan rather than the 3 month timeframe allowed as per the Regulatory Controls to enable rehabilitation works to commence);
- (iii) additional information requirements in the Individual Bog Packages submitted to NPWS which NPWS considered was necessary to ensure that NPWS had all the relevant information to be able to approve the bog rehab plans in line with its role as EDRRS Regulator;
- (iv) the time required to issue the determination on the Natura Impact statement and changes in legislation in relation to NIS public consultation;
- (v) achieving the rehabilitation work targets on the peatlands
- (vi) Summer ecological restrictions.

While rehabilitation measures are progressing, the later than planned start dates will have an impact on the rehabilitation measures that can be completed in this Bord na Móna financial year (to end of March 2022).

A more detailed assessment of the impact of this delay will be made in the next quarterly report,

[REDACTED]

It is envisaged that any shortfall in the FY22 (2021) rehabilitation target will be recovered over the lifetime of the scheme.

[REDACTED]

Decommissioning of rail line and Bog Clean Up is progressing in line with expectations. Resources have been transferred to Rehabilitation to avail of the summer weather conditions conducive to rehabilitation.

Monitoring and Verification is progressing, in particular piezometer installation and monitoring and surface water monitoring.

The risks to the scheme are set out in the Risk Register which is reviewed with NPWS and DECC on a monthly basis. While there is a risk to the completion of this year's rehabilitation measures it is not

envisaged that this will impact on the overall project. Key changes to the risk register and new risks are listed in the Risk section of this report.

2. Rehabilitation by Bog

The rehabilitation completed in this quarter is set out by bog in Table 2.1 below. The rehab is completed is recorded by Hectares Completed and also by Work Content Completed. The Work Content Completed takes into account the difference in the intensity of the labour and equipment required for the various rehab measures and gives a more accurate view of the rehab progress. This Work Content is set out in more detail in section 2.1 below.

Bog Name	Area of Bog (Hectares)	Area included in Rehab Measures (Hectares) * See note below	Area rehabilitated Q1FY22 (Hectares) * see note below	Area Rehabilitated to date (Hectares) * see note below	% of FY22 Hectares Rehabilitated to Date	% of FY22 Work Content Completed to date
Belmont	320	302	0	0	0.0%	0%
Clooniff	531	508	0	0	0.0%	0%
Garryduff	972	891	0	0	0.0%	0%
Kellysgrove	203	196	88	88	45.1%	58%
Kilmacshane	1298	1251	34	34	2.7%	10%
Boora Bog	1851	787	0	0	0.0%	0%
Derries	371	361	0	0	0.0%	0%
Oughter	358	297	0	0	0.0%	0%
Pollagh	304	287	14	14	5.0%	11%
Turraun	541	518	0	0	0.0%	0%
Castlegar	519	383	120	200	52.3%	32%
Cavemount	513	506	0	0	0.0%	0%
Clonad	446	431	0	0	0.0%	0%
Esker	566	534	11	11	2.0%	6%
Mount Lucas	1218	1218	11	11	0.9%	1%
Ummeras	302	284	26	26	9.1%	6%
Derrycasheal	384	381	0	0	0.0%	0%
Derrycolumb	461	433	34	34	7.8%	12%
Edera	282	276	16	16	5.8%	9%
Total	11440	9841	354	434	4.4%	7.8%

Table 2.1 Rehabilitation to Date

*Note: The columns, *Area included in Rehabilitation Measures*, *Area Rehabilitated Q1FY22* and *Area Rehabilitated to Date*, includes areas of the bog where rehabilitation measures MLT1 and AWT1 are specified. These are areas where no rehabilitation is required or possible and these areas amount to a total of 2,381 hectares out of the overall hectares of 9,841 hectares. (MLT1 area of 1,851 hectares and AWT1 area of 530.5

hectares). The area of MLT1 and AWT1 included in the Area Rehabilitated columns are proportionate to the completed area.

2.1 Work Content

While the number of hectares rehabilitated can be considered, it should be noted that the intensity of the work carried out varies depending on the rehabilitation method completed in these hectares. In order to take account of this, a column has been included in the above table that measures the Work Content completed. This takes account of the following:

- intensity of the various measures;
- work that cannot be carried out until large sections or all the bog is completed such as Sphagnum inoculation;
- additional measures such as berms or drains included in this individual Bog Cost Estimates;

The percentage of work content completed is therefore a more accurate measure of the progress of the scheme than the hectares rehabilitated. It should be noted that the more intensive rehabilitation measures such as the Deep Peat ponds have been prioritised for the summer months when the ground conditions are more suitable.

2.2 Progress to Date

As set out above the progress in this quarter is behind schedule with 7.8% of the work content for this year (FY22) completed. This is due to the late commencement dates and the time required to enable and skill-up the work force to adapt to the change in their work activity and familiarise themselves with the new skill set. The work content is in line with expectations and the required standards.

It is likely that it will not be possible to complete all of this year's planned rehabilitation in the winter months. This is due to expected limitations on rehabilitation during the winter months resulting from adverse weather conditions, bog ground conditions, higher ground water levels and winter ecological restrictions.

A more detailed assessment of the impact of this delay will be made in the next quarterly report, however

It is envisaged that any reduction in the rehabilitation completed in this first year can be recovered over the lifetime of the scheme. This recovery is possible as the packages for next year's rehabilitation will be submitted to NPWS earlier and the approvals process will be streamlined. As a result, the rehabilitation commencement dates will be earlier in the year (April 2022 for bogs with no Summer ecological restrictions) and advantage can be taken of the better weather in the late Spring and early Summer months

3. Rehabilitation Costs by Bog

The rehabilitation completed in this quarter is set out by bog in table below:

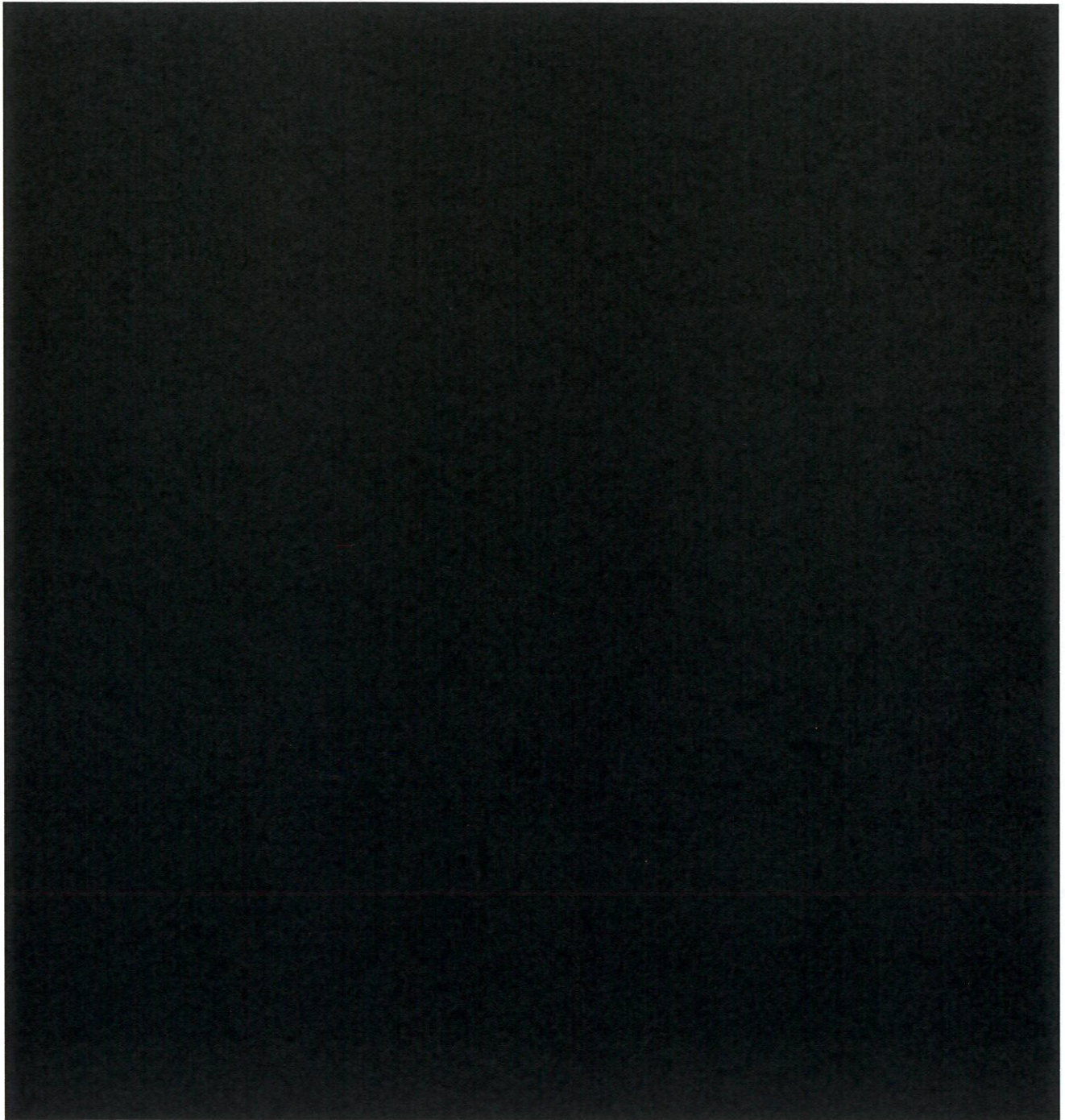
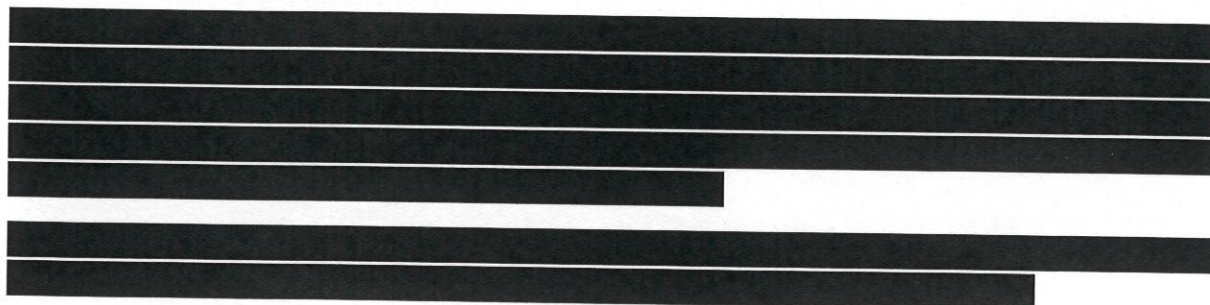


Table 3.1 Rehabilitation Costs by Bog

The Projected Rehab Costs are those rehabilitation costs included in the original financial model.

The Estimated Rehab Costs (Bog Cost Plan) are those rehabilitation costs included in the Individual Bog Enhanced Rehabilitation Cost Plans submitted in the individual bog package for each bog and approved by NPWS.

The rehab grant claim are those rehabilitation costs included in the Grant Claim for the period April to June 2021 (FY22Q1). It should be noted that Grant Claim for Q1FY22 (Grant Claim No. 3) has not yet been finalised and is subject to change.



4. Decommissioning by Area

The decommissioning completed in this quarter is set out by percentage in Table 4.1 below.

The percentage completed is calculated as a percentage of the quantity included in the original financial model.

Activity Description	% of Overall Scheme Completed in Q1FY22	% of Overall Scheme Completed to date
Pump Decomm	0	0
Septic Tank Decomm	0	0
Tea Centre Decomm	0	0
Bog Clean up	1.6%	20%
Fuel Decomm	0	0
Yard Decomm	0	0
Building Decomm	0	0
Rail Decomm	0.8%	5%
Bridge Decomm	0	0
Underpass Decomm	0	0
Level Crossing Decomm	0	0
Powerline Decomm	0	0
Fencing	0	0

Table 4.1 Decommissioning Completed to Date

Bog Clean Up and Rail Decommissioning commenced prior to this quarter and was ongoing during the winter months.

The focus for the last quarter has been on the implementation of the rehabilitation measures and in general decommissioning will be carried out when ground conditions or weather conditions are not suitable for all rehabilitation measures.

Progress to date is progressing in line with expectations.

5. Monitoring and Verification

The following is a summary of the monitoring and verification carried out in Q1 FY22 and is intended to provide an overview of the monitoring and verification that is taking place each quarter. This table sets out the number (Nr) of samples taken and surveys carried out during the quarter and as part of the scheme to date.

Detail on the data collected will be provided in a separate Monitoring and Verification report.

Monitoring Completed	Q1FY22	Total to date
Surface Water Samples - Total number of samples taken (includes all bogs)	400	621
Piezometers – Number Installed (Year 1 and Year 2 bogs)	384	621
Piezometers – Number of Manual readings (Phreatic wells) Year 1 Bogs	331	331
Piezometers – Number of Logger readings (Phreatic wells) Year 1 Bogs	143	143
Piezometers – Number of Manual Readings I (Deep wells) Year 1 Bogs	31	31
Piezometer- Number of Logger readings (Deep wells) Year 1 Bogs	8	8
Habitat Mapping – number of bogs	Fieldwork complete: 7 out of 16 bogs	Fieldwork complete: 7 out of 16 bogs
Bog Condition mapping – number of bogs	0	0
Post Rehab Aerial photography/Lidar Survey - number of bogs	0	0
Vegetation Quadrants – number of bogs	11 out of 11 sites complete	11 out of 11 sites complete
Breeding Bird Survey – number of bogs	4 sites completed	4 sites completed
Winter Birds Surveys – number of bogs	0 (TBC winter 21/22)	0 (TBC winter 21/22)
Pollinator Surveys – number of bogs	6 out of 9 sites with 2 visits complete	6 out of 9 sites with 2 visits complete
Flow Monitoring (with surface water sampling)	0	0
Flow Monitoring (continuous)	0	0
Carbon flux monitoring	Started	Started

Table 5.1 Monitoring and Verification Overview

6. Grant Claim

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

7. Employment

The following is a summary of the employment for FY22Q1:

Employee Group	Employee Type	Max Number Q1FY22
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]
Total		205

Table 7.1 Grant Claim Update

The above table sets out the maximum number of people employed in this quarter on the design and implementation of the EDDRS scheme. It should be noted that the Peatland Engineering Services Management Team incorporates the Project Management, Finance, Health and Safety, HR, Procurement, Environmental, Legal resources as well as the management resources involved in the scheme.

8. Programme

The baseline schedule in the original financial model assumed the rehabilitation would commence in April 2021 for most of the bogs to be rehabilitated in Year 1 (FY22). The rehabilitation hectares in the model for this quarter is 2,786 while, as set out in Table 2.1 above, 272 hectares have been completed in this quarter. [REDACTED]

9. Risk Management

Bord na Móna have a risk register that is reviewed internally on a monthly basis. A process has now been put in place to also review the risk register with DECC and NPWS on a monthly basis and an initial meeting was held in June 2021.

[REDACTED]

[REDACTED]

[REDACTED]

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10. Remediation Works

No remediation works have been required to the rehabilitation measures to date.