Curraghinalt Project

Assessment of Farm Nutrient Deposition

Prepared by

Burnhead Rural Services Ltd

Website: www.burnheadrural.com

November 2025

Document Verification

Project Title	Curraghinalt Project
Document Title	Assessment of Farm Nitrates Deposition
Document Reference	
Project Stage	
Document Status	**v1.7**

CONTENTS

INTRODUCTION

1. Burnhead Rural Services Ltd has been tasked to carry out an assessment of Nitrogen and Phosphate deposiiton on farm lands that form part of the Dalradian project lands.

2. Burnhead Rural Services Limited is an independent company providing professional agricultural consultancy and administration services to the rural communities of Northern Ireland. The business is run by [redacted] (the author of this report) who has over 30 years' experience working with rural businesses and clients across a wide range of services including agricultural/environmental assessments, business diversification, grant scheme applications, quality assurance audits, and nitrates calculations to mention a few.

3. The author's qualifications include MSc in Agri Business Management, PG Dip in Agri Business Management, and a BSc in Agriculture with Animal Science. The author is also a member of the British Institute of Agricultural Consultants.

Transboundary context:

4. A number of transboudary materials have disputed the efficacy of the Betterment Plan and challenged or disputed data that supports that Betterment Plan and its conclusions: see An Taisce transboundary submission at pages 10-11 and 13-14; Loughs Agency transboudary submisison at pages 64-65 and 95; and TBA 1537 at page 3.

5. To properly consider and respond to the criticisms, I have re-visited the materials to check as to their accuracy and robustness of the content and findings. This updated assessment ensures that the best available information is available for assessment.

6. It includes updated information regarding acquired not assessed previously (additional lands acquired to the original Fram 6, noted as Farm 6A - see para 10-11below). It also gives consideration to future policy direction, including the "Nutrient Action Programme 2026 - 2029" which was the subject of public consultation between 1st May 2025 and 24th July 2025 and thus is new relevant information. Given the transboundary criticisms, it also verifies that the farm data relied upon is current and accurate.

Structure of this Report

7. The Report is structured as follows:

Section 2 – sets out the purpose of the report, the approach to the assessment, and the methodology employed;

Section 3 – sets out the Nitrogen deposition for each of the five years 2019 to 2023

Section 4 – sets out the Phosphate deposition for each of the five years 2019 to 2023.

Section 5 – Discusses future policy direction.

Annex 1 – the Map showing the areas of farms numbered 1-8 within the Dalradian project lands

Annex 2 – the individual farm questionnaire survey Farms 1-8

Annex 3 – the DAERA deposition calculations Farms 1-8

SECTION 2 – PURPOSE, APPROACH AND METHODOLOGY

Purpose:

8. The purpose of this report is to assess the nitrogen and phosphate deposition on lands that are currently active farmland within the lands comprising the Dalradian project development lands.

Approach

9. The lands assessed are comprised in 8 separate farms, all but one of which are partly located within the Dalradian project lands (one is wholly within the Dalradian projects lands – Farm 3). They are more particularly identified in the map at Annex 1. The project land area data was supplied by Dalradian and confirmed by its Solicitors.

10. As noted above, Farm 6 now includes additional lands acquired by the Applicant, consistent with its on-going commitment to improve on the content of the Betterment Plan.

11. That land is referred to as Farm 6A and lies to the North of the Owenkillew River and opposite the original two parcels which make up Farm 6.

12. Each of the 8 farms comprises a larger landholding than the areas that are contained within the Dalradian project lands. Therefore, the farms were surveyed to understand the total farm landholding.

The questionnaire and survey

13. The individual farmers were provided with a questionnaire, with the data collected by Dalradian Gold staff during June 2024.

14. I prepared the questionnaire. It was designed to obtain the essential information to allow me to make an accurate assessment of the nitrogen and phosphate depositions that were deposited only on the lands within the Dalradian project lands on the map at Annex 1.

15. The questionnaire was designed to ensure that all data relating to the farmers wider agricultural holding/s was excluded from the assessment related to the Dalradian project lands.

16. The data was collected at in person interviews with the relevant farmers and undertaken by a member of Dalradian's staff.

17. Each farm was given a unique reference number ranging from 1-8.

18. Farm 8 is located at the current exploration site, and at present there is no agricultural activity taking place. Whilst there is a planning consent that permits the lands to be returned to

agricultural use, because there is currently no agricultural activity, I have discounted this land for the purposes of this assessment, as the purpose was the assess the current deposition.

19. The data was independently verified at face to face meetings with the farmers on 18/02/2025 and 19/02/2025. Any adjustments to the original data will be reflected in the summary section for each farm.

20. I have re-engaged with the farmers in the autumn of 2025, and confirmed that there has been no change in the farming practices, livestock numbers, or nutrient use between the reference years of 2019 – 2023 (2024 for farm 6A) and the current year 2025.

21. It will be noted that each survey:

    (i) Separates the farm holding between the farm lands outside the Dalradian project lands, and those that are located within the Dalradian project lands (in the Map at Annex 1);

    (ii) Notes the total livestock on the farm holding, stating whether the livestock are cattle or sheep and identified the livestock that are grazed within the Dalradian project lands;

    (iii) Notes the fertiliser that is purchased and deposited on the Dalradian project lands;

    (iv) Regarding nitrogen, separates deposition between livestock and fertiliser; and

    (v) Notes the amounts of slurry spread.

22. The time period for assessment was five years, as I consider this to be sufficiently long to get a clear picture of the depositions over a period of time, and ensuring that no inconsistency impacts the assessment undertaken.

23. It must be noted and understood that in conducting this assessment, the farm areas cited relate only to the farmed area and not the total land parcel - i.e. buildings and hardstanding are excluded. The Tables set out below reflect that.

Methodology for data assessment

24. Having obtained the necessary data from the questionnaire survey, I employed the College of Agriculture Food & Rural Enterprise (CAFRE) nutrient management calculators for livestock and fertiliser deposition. These are industry recognised tools utilised by government, farmers and professional advisers to assist with compliance with the Nutrients Action Programme (NAP) that operates in Northern Ireland. Given that this tool is used to inform the programme that is part of The Nitrates Directive (91/676/EEC) linked to water quality protection.

25. The tool provides a different means of calculation of nitrogen loading for cattle and sheep based on the average number of each livestock type, and age group present on the farm 1 January until 31 December in any given year, and the amount and type of chemical fertiliser used on the farm.

26. To meet the requirements of the Directive, the first Nitrates Action Programme (NAP) to cover the whole of Northern Ireland was established for 2007-2010 through the Nitrates Action Programme Regulations (Northern Ireland) 2006. The aim of the NAP is to improve the use of nutrients on farms and, as a result, improve water quality throughout Northern Ireland. At the same time the Phosphorus (Use in Agriculture) Regulations (Northern Ireland) 2006 were introduced to support these objectives.

27. The amount of total nitrogen in livestock manures applied to land under a farmers control, including by the animals themselves, must not exceed 170 kg N per ha per year as required by the Directive. This is known as the "livestock manure nitrogen loading limit.[1]

28. Farmers can choose to export livestock manure off farm, either within Northern Ireland or elsewhere to farms who essentially have unused capacity within their limit. This allows farmers to subtract the amount of total nitrogen exported from their livestock manure nitrogen loading calculation for the farm to meet the 170 kg N per ha per year limit[2].

29. However, this assessment seeks to capture the actual deposition on Dalradian project lands rather than referring to the permitted maximum permitted deposition.

30. These calculators capture the relevant livestock and chemical fertiliser data and generate an end result for Nitrogen deposition.

---

[1] Nutrients Action Programme 2019-2022 Guidance Booklet - https://www.daera-ni.gov.uk/sites/default/files/publications/daera/20.21.177%20Nutrients%20Action%20Programme%202019-2022%20Guidance%20Booklet%20Final.PDF Page 36.

[2] Nutrients Action Programme 2019-2022 Guidance Booklet - https://www.daera-ni.gov.uk/sites/default/files/publications/daera/20.21.177%20Nutrients%20Action%20Programme%202019-2022%20Guidance%20Booklet%20Final.PDF Page 40.

31. This report then presents in tabular form:

I. Total annual Nitrogen Loading (from livestock) for the farmland within the Dalradian project lands – Table 1;

II. Total annual Nitrogen fertiliser application limits (from inorganic fertilisers) for the farmland within the Dalradian project lands – Table 2;

III. The combined total of livestock and fertiliser for the Dalradian project lands 2019-2023 – Table 3;

IV. Phosphate fertiliser application limits (from inorganic fertilisers) on Dalradian project lands – Table 4.

Summary of each farm 1-8

32. The following summarises each farm: -

Farm 1

I. This farm has land both within and outwith the Dalradian project area.

II. No cattle are kept.

III. 30 sheep are kept on project lands for 10 months of the year. The validated data confirmed that this included ewes and lambs i.e. 15 ewes and 15 single lambs. For the purposes of the calculations, an annual average of 12.5 ewes and 12.5 lambs per annum have been used. This is a reduction from a total of 25 ewes used in the original report.

IV. Sheep numbers were derived from discussion with the farmer. No rams were grazed on project lands.

V. A small amount of fertiliser is purchased. However, none is applied to the Dalradian project land.

VI. No slurry is applied to the Dalradian project lands.

VII. Due to the fact the data remains constant across all years 2019 – 2023, only one N Loading calculation had been completed.

Farm 2

I. This farm has land both within and outwith the Dalradian project area.

II. Both cattle and sheep are kept.

III. The farmer confirmed that no cattle are grazed on the Dalradian project lands.

IV. The farmer confirmed sheep are grazed on the Dalradian project lands as per the annual numbers on the questionnaire return.

V. Sheep numbers were derived from discussion with the farmer.

VI. The farmer confirmed sheep are kept on project lands for 10 months of the year. The validated data confirmed that this included ewes and lambs. For the purposes of the revised calculations, I have used the annual average, taking into account 1.5 lambs/ ewe being on the project land for 5 months from birth up to weaning.

VII. The farmer confirmed 2 tons of chemical fertiliser are applied to Dalradian project lands.

VIII. The farmer confirmed an average of 3000 gallons of slurry is applied to the Dalradian project lands. This slurry figure was not included in the original N loading calculations. The current version now has the slurry included.

Farm 3

I. This entire farm lies within the Dalradian project area.

II. No cattle are kept.

VIII. 150 sheep are kept on Dalradian project lands throughout the year. The validated data confirmed that this included ewes and lambs i.e. 60 ewes and 90 lambs throughout the year. This is a reduction from a total of 150 ewes used in the original report.

III. Sheep numbers were derived from discussion with the farmer.

IV. No chemical fertiliser is applied to the Dalradian project area.

V. No slurry is applied to the Dalradian project lands.

VI. Due to the fact the data remains the same across all years 2019 – 2023, only one N Loading calculation had been completed.

Farm 4

I. This farm has land both within and outwith the Dalradian project area.

II. No cattle are kept on the Dalradian project lands.

III. The farmer confirmed sheep are grazed on the Dalradian project lands as per the annual numbers on the questionnaire return.

IV. Sheep numbers were derived from discussion with the farmer.

V. The farmer confirmed sheep are kept on project lands for 8 months of the year. The validated data confirmed that this included ewes and lambs. For the purposes of the revised calculations, I have used the annual average, taking into account 1.5 lambs/ ewe being on the project land for 5 months from birth up to weaning.

VI. Fertiliser is purchased. However, none is applied to the Dalradian project area.

VII. No slurry is applied to the Dalradian project lands.

Farm 5

I. This farm has land both within and outwith the Dalradian project area.

II. Both cattle and sheep are kept. However, the farmer confirmed no cattle are grazed on the Dalradian project lands.

III. 70 hogget sheep are kept on the Dalradian project lands for 6 months of the year. For the purposes of the calculations, an average of 35 per annum has been used.

IV. Sheep numbers were derived from discussion with the farmer.

V. The farmer confirmed chemical fertiliser is applied to the Dalradian project lands as per the amounts detailed on the questionnaire return.

VI. No slurry is applied to the Dalradian project lands.

VII. Due to the fact the data remains the same across all years 2019 – 2023, only one N Loading calculation had been completed.

Farm 6

I. This farm has land both within and outwith the Dalradian project lands.

II. No cattle are kept on the Dalradian project lands.

III. Approx 80 ewes and 120 lambs are kept on field 6/059/013/23 & 22/A during March and April each year, with the remainder of the project area grazed with 160 ewes during September and October each year. For the purposes of the calculations, an average of 40 ewes per annum, and 20 lambs per annum have been used.

IV. Sheep numbers were derived from discussion with the farmer.

V. The farmer confirmed chemical fertiliser is applied to 2.60ha of the Dalradian project lands (fields 6/059/013/2, 4/C, & 13/B) as per the amounts detailed on the questionnaire return.

VI. No slurry is applied to the Dalradian project lands.

VII. Due to the fact the data remains the same across all years 2019 – 2023, only one N Loading calculation had been completed.

Farm 6 A

I. Farm 6A equates to the 'recently acquired agricultural land' as presented in plan 'EC01 – Betterment Areas' in TR6 App 13. This data was not included in the original report.

II. This block of land is farmed in conjunction with farm 6, however it was not under the control of the current occupier during the 5 year period 2019 – 2023.

III. For the purposes of data collection, the 2024 calendar year was used.

IV. No cattle are kept on the Dalradian project lands.

V. On average 50 ewes, 56 lambs and 3 rams are grazed on this block of land throughout the year.

VI. Sheep numbers were derived from discussion with the farmer.

VII. The farmer confirmed chemical fertiliser is applied to 7.07ha (fields 6/058/089/10, & 6/058/870/9) as per the amounts detailed on the questionnaire return.

VIII. The farmer confirmed an average of 3000 gallons of slurry is applied to 7.07ha (6/058/089/10, & 6/058/870/9) three times per year.

Farm 7

I. This farm has land both within and outwith the Dalradian project lands.

II. Both cattle and sheep are kept on the Dalradian project lands.

III. The farmer confirmed no cattle are grazed on the Dalradian project lands.

IV. 30 ewes and lambs are kept on the Dalradian project lands for 6 months of the year. For the purposes of the calculations, an average of 15 ewes and lambs per annum has been used.

V. Sheep numbers were derived from discussion with the farmer.

VI. The farmer confirmed chemical fertiliser is applied to the Dalradian project lands as per the amounts detailed on the questionnaire return.

VII. No slurry is applied to the Dalradian project lands.

VIII. Due to the fact the data remains the same across all years 2019 – 2023, only one N Loading calculation had been completed.

Farm 8

I. This farm has no agricultural activity and therefore has been discounted from this assessment.

SECTION 3 - NITROGEN DEPOSITION OVER FIVE YEARS 2019-2023

Table 1 - Nitrogen loading calculations for livestock on the 7 farms (organic manure on the Dalradian project area lands)

Total N Loading (Kg N/ha) Manure						
	2019	**2020**	**2021**	**2022**	**2023**	**2024**
Farm 1	20.5 kg N/ha x 6.18ha 126.69 kg N/yr	20.5 x 6.18 126.69	20.5 x 6.18 126.69	20.5 x 6.18 126.69	20.5 x 6.18 126.69	
Farm 2	24.8 x 18.52 459.29	18.9 x 18.52 350.02	22.5 x18.52 416.70	24.3 x18.52 450.03	23 x 18.52 425.98	
Farm 3	13.9 x 46.76 649.96	13.9 x 46.76 649.96	13.9 x 46.76 649.96	13.9 x 46.76 649.96	13.9 x 46.76 649.96	
Farm 4	14.8 x 28.31 418.98	13.4 x 28.31 379.35	14.8 x 28.31 418.98	14.8 x 28.31 418.98	15.7 x 28.31 444.46	
Farm 5	7.2 x 43.98 316.65	7.2 x 43.98 316.65	7.2 x 43.98 316.65	7.2 x 43.98 316.65	7.2 x 43.98 316.65	
Farm 6	5.8 x 67.52 391.61	5.8 x 67.52 391.61	5.8 x 67.52 391.61	5.8 x 67.52 391.61	5.8 x 67.52 391.61	
Farm 6 A						67.3 x 11.95 804.23
Farm 7	10.6 x 14.38 152.42	10.6 x 14.38 152.42	10.6 x 14.38 152.42	10.6 x 14.38 152.42	10.6 x 14.38 152.42	
Total (Kg N) deposited per annum	**2,515.60**	**2,366.7**	**2,473.01**	**2,506.34**	**2,507.77**	**804.23**

33. The calculation for Table 1 is the calculation for the livestock-related depositions specific to the Dalradian project lands.

Table 2 - Nitrogen loading calculations for all 7 farms (inorganic fertiliser on project area land)

N Max (Kg N/ha) Fertiliser						
	2019	**2020**	**2021**	**2022**	**2023**	**2024**
Farm 1	0.0	0.0	0.0	0.0	0.0	
Farm 2	25.9kg N/ha x 18.52 ha 479.66kg N/yr	25.9 x 18.52 479.66	25.9 x 18.52 479.66	25.9 x 18.52 479.66	25.9 x 18.52 479.66	
Farm 3	0.0	0.0	0.0	0.0	0.0	
Farm 4	0.0	0.0	0.0	0.0	0.0	
Farm 5	9.20 x 43.98 404.61	10.70x 43.98 470.58	9.20 x 43.98 404.61	7.70 x 43.98 338.64	9.20 x 43.98 404.61	
Farm 6	3.20 x 67.52 216.06	3.20 x 67.52 216.06	3.20 x 67.52 216.06	3.20 x 67.52 216.06	3.20 x 67.52 216.06	
Farm 6 A						24.80 x 11.95 296.36
Farm 7	8.30 x 14.38 119.35	8.30 x 14.38 119.35	8.30 x 14.38 119.35	8.30 x 14.38 119.35	8.30 x 14.38 119.35	
Total (Kg N) deposited per annum	**1,219.68**	**1,285.65**	**1,219.68**	**1,153.71**	**1,219.68**	**296.36**

34. Chemical fertiliser cannot be applied above the grassland requirement for nitrogen. The maximum amounts of available nitrogen from chemical fertiliser that can be applied on the grassland area of a non-dairy livestock farm are 222kg N/ha.[3]

35. This nitrogen fertiliser limit for grassland already takes into consideration the application of available nitrogen from livestock manures, regardless of type. Therefore, nitrogen from livestock manures applied to grassland should not be subtracted from the grassland limits. However, this

[3] Nutrients Action Programme 2019-2022 Guidance Booklet - https://www.daera-ni.gov.uk/sites/default/files/publications/daera/20.21.177%20Nutrients%20Action%20Programme%202019-2022%20Guidance%20Booklet%20Final.PDF Page 42.

is provided for information relating to the maximum permitted depositions. It has no bearing on the calculations of actual depositions, where the depositions for livestock (above Table 1) and fertiliser (below Table 2) must be added.

36. As noted above, the deposition calculations for livestock and fertiliser for the Dalradian project lands are then added to provide the total annual depositions at Table 3 below.

Table 3 - Total Nitrogen loading calculations for all 7 farms (manure and fertiliser on project area land - Table 1 and Table 2)

2019	2020	2021	2022	2023	2024
3,735.28	**3,652.35**	**3,692.69**	**3,660.05**	**3,727.45**	**1,100.59**

37. The average deposition over the five years for farms 1-7 is 3,693.56 Kg N.

38. The 2024 deposition for farm 6 A is 1,100.59 Kg N.

39. The average deposition over the five years above (including farm 6 A) is **4,794.15 Kg N.**

SECTION 4 - PHOSPHATE FERTILISER DEPOSITION OVER FIVE YEARS 2019 TO 2023

Background

40. In order to meet the requirements of the NAP Regulations and other environmental legislation, farmers need to check whether there is a crop requirement for phosphate before applying certain types of fertiliser. These are:

    a. chemical phosphate (P2O5) fertiliser;

    b. P-rich manures

    c. anaerobic digestate

    d. sewage sludge

    e. organic manures applied to land under a Waste Management licence or exemption (e.g. abattoir waste and some anaerobic digestate)

41. It is a legal requirement not to apply these types of fertilisers to either grass or other crops unless there is a crop requirement for phosphate, taking account of the soil fertility status (as indicated by the soil phosphorus (P) index) and the supply of phosphate from the application of other fertilisers.[4]

[4] Nutrients Action Programme 2019-2022 Guidance Booklet - https://www.daera-ni.gov.uk/sites/default/files/publications/daera/20.21.177%20Nutrients%20Action%20Programme%202019-2022%20Guidance%20Booklet%20Final.PDF Page 46.

42. **Table 4 – Phosphate loading calculations for livestock on the 7 farms (organic manure on the Dalradian project area lands)**

Total P Loading (Kg P/ha) Organic Manure						
	2019	**2020**	**2021**	**2022**	**2023**	**2024**
Farm 1	2.60 kg P/ha x 6.18ha 16.06 kg P/yr	2.60 x 6.18 16.06	2.60 x 6.18 16.06	2.60 x 6.18 16.06	2.60 x 6.18 16.06	
Farm 2	3.39 x 18.52 62.80	2.70 x 18.52 50.00	3.14 x 18.52 58.10	3.37 x 18.52 62.40	3.19 x 18.52 59.20	
Farm 3	1.86 x 46.76 87.00	1.86 x 46.76 87.00	1.86 x 46.76 87.00	1.86 x 46.76 87.00	1.86 x 46.76 87.00	
Farm 4	1.87 x 28.31 52.90	1.68 x 28.31 47.70	1.87 x 28.31 52.90	1.87 x 28.31 52.90	2.02 x 28.31 57.20	
Farm 5	0.79 x 43.98 35.00	0.79 x 43.98 35.00	0.79 x 43.98 35.00	0.79 x 43.98 35.00	0.79 x 43.98 35.00	
Farm 6	0.71 x 67.52 47.80	0.71 x 67.52 47.80	0.71 x 67.52 47.80	0.71 x 67.52 47.80	0.71 x 67.52 47.80	
Farm 6 A						10.18 x 11.95 121.70
Farm 7	1.35 x 14.38 19.50	1.35 x 14.38 19.50	1.35 x 14.38 19.50	1.35 x 14.38 19.50	1.35 x 14.38 19.50	
Total (Kg P) deposited per annum	**321.06**	**303.06**	**316.36**	**320.66**	**322.30**	**121.70**

43. The calculation for Table 1 is the calculation for the livestock-related depositions specific to the Dalradian project lands.

44. In this assessment, only Farm 7 was found to have actually spread inorganic phosphate, and that is set out in Table 5 below.

Table 5 - Phosphorus loading calculations for farm 7 (inorganic fertiliser on project area land)

	2019	2020	2021	2022	2023
Farm 7	8.30 x 1.80 14.94	8.30 x 1.80 14.94	8.30 x 1.80 14.94	8.30 x 1.80 14.94	8.30 x 1.80 14.94
Total (Kg P) per annum	**14.94**	**14.94**	**14.94**	**14.94**	**14.94**

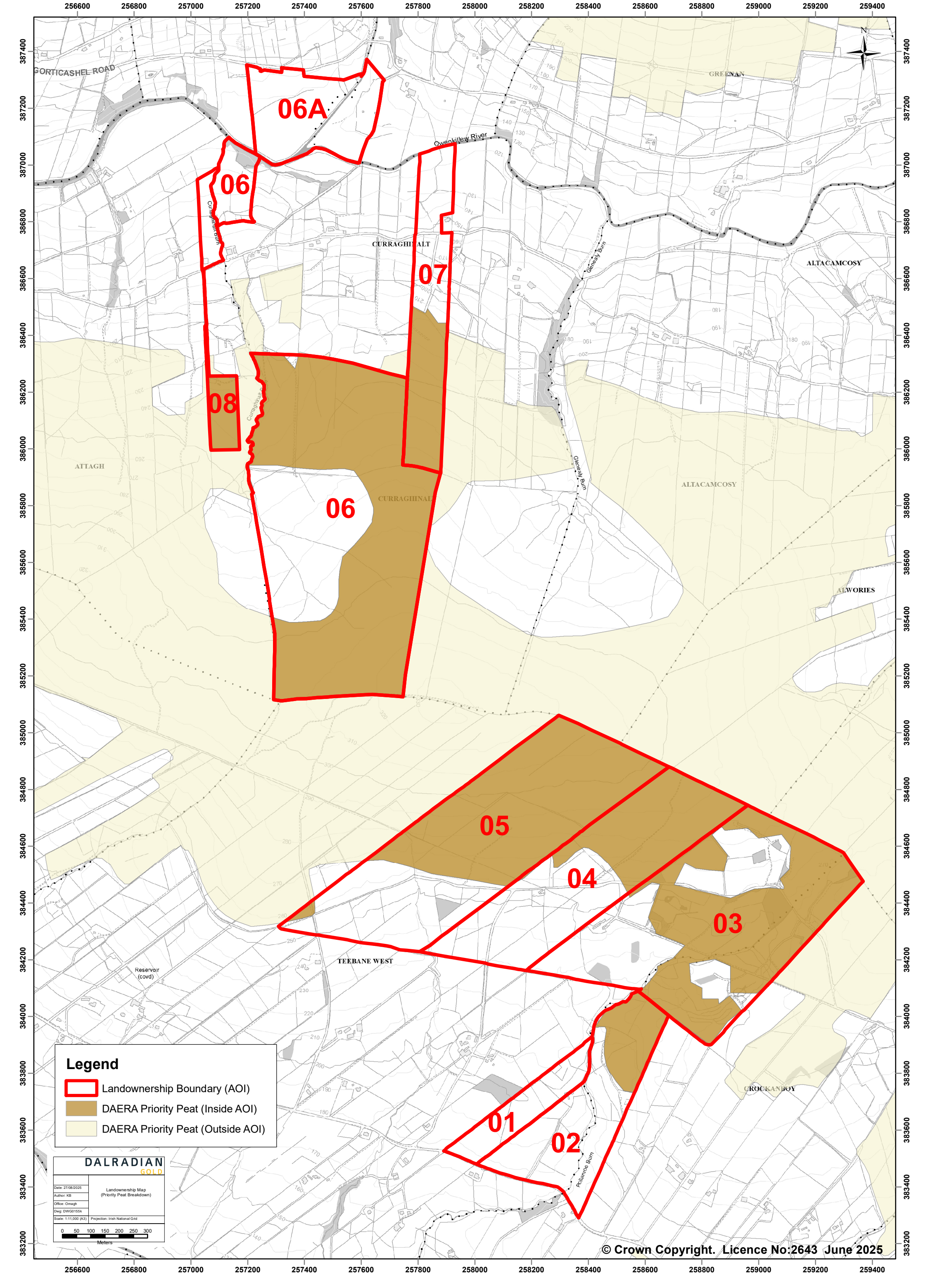
45. **Table 6 - Total Phosphate loading calculations for all 7 farms (organic manure and inorganic fertiliser on project area land - Table 4 and Table 5)**

2019	2020	2021	2022	2023	2024
336.00	**318.00**	**331.30**	**335.60**	**337.24**	**121.70**

46. The average deposition over the five years for farms 1-7 is 331.62 Kg P.

47. The 2024 deposition for farm 6 A is 121.70 Kg P.

48. The average deposition over the five years above (including farm 6 A) is **453.32 Kg P.**


06A
06
07
08
06
05
04
03
01
02
GORTICASHEL ROAD
Owenkillew River
Curleghmanburn
Curraghinalt Burn
Glenealy Burn
Glenealy Burn
Pollanroe Burn
GREENAN
CURRAGHINALT
ALTACAMCOSY
ATTAGH
CURRAGHINALT
ALTACAMCOSY
ALWORIES
TEEBANE WEST
CROCKANBOY
Reservoir (covd)
Legend
Landownership Boundary (AOI)
DAERA Priority Peat (Inside AOI)
DAERA Priority Peat (Outside AOI)
DALRADIAN GOLD
Landownership Map (Priority Peat Breakdown)
Date: 27/08/2025
Author: KB
Office: Omagh
Dwg: DWG0155k
Scale: 1:11,000 (A3)
Projection: Irish National Grid
0 50 100 150 200 250 300
Meters
© Crown Copyright. Licence No:2643 June 2025

25
16
5 41
8
x2

	Source 1	Source 2	2019	2020	2021	2022	2023
Ref No. 01							
Total area farmed (Ha)	SFP submission	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	17.5	17.5	17.5	17.5	17.5
Total area farmed within Project boundary (Ha)	Dalradian		6.18	6.18	6.18	6.18	6.18
2019 – 2023 DAERA Nitrates Stock Count Report – for cattle	DAERA online	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	NONE	NONE	NONE	NONE	NONE
2019 – 2023 Annual Inventory for sheep	DAERA online or flock book	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	60	60	60	60	60
How many animals from above figures are kept on the Project land (approx.)	Discussion with farmer		30 sheep for 10 months	30 sheep for 10 months	30 sheep for 10 months	30 sheep for 10 months	30 sheep for 10 months
2019 – 2023 Fertiliser Purchases to include type and tonnage bought	Invoices	Supplier printout	0.5t	0.5t	0.5t	1 tonne	0.5t.
How much fertiliser is applied to Project land (bags per acre)	Discussion with farmer		NONE	NONE	NONE	NONE	NONE
How much Slurry is applied to Project land (gallons per acre) or tanker loads/acre.	Discussion with farmer		NONE	NONE	NONE	NONE	NONE.

AV 25/year

Cattle not kept on project land.

	Source 1	Source 2	2019	2020	2021	2022	2023
Ref No. 2							
Total area farmed (Ha)	SFP submission	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	58.25	58.25	58.25	58.25	58.25
Total area farmed within Project boundary (Ha)	Dalradian		18.52	18.52	18.52	18.52	18.52
2019 – 2023 DAERA Nitrates Stock Count Report – for cattle	DAERA online	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	44.69	38.04	38.74	40.43	39.76 ~~73~~
2019 – 2023 Annual Inventory for sheep	DAERA online or flock book	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	94.	73	48	78	87
How many animals from above figures are kept on the Project land (approx.)	Discussion with farmer		ewes 46 0 94 2 8 712	32 0 73 2 0	40 6 48 2 0	44 0 78 2 0	~~46~~ 41 ~~23~~ 0 1 7 Hogget lambs
2019 – 2023 Fertiliser Purchases to include type and tonnage bought	Invoices	Supplier printout	NITROGEN. + 24-0-13. 7 TON.	2 TON 24-0-13. 2 TON NIT. 4 TON.	2 TON 26-0-6 2 TON NIT. 4 TON.	26-0-6. 4 TON NIT. 6 TON.	2 TON 26-0-6. 4 TON NIT. 6 TON.
How much fertiliser is applied to Project land (bags per acre)	Discussion with farmer		2	2	2.	2	2
How much Slurry is applied to Project land (gallons per acre) or tanker loads/acre.	Discussion with farmer		AVE. 3000 GLS	AVE. 3000 GLS	AVE. 3000 GLS	AVE. 3000 GLS	AVE. 3000 GLS.

	Source 1	Source 2	2019	2020	2021	2022	2023
Ref No. 03							
Total area farmed (Ha)	SFP submission	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	46.76	46.76	46.76	46.76	46.76
Total area farmed within Project boundary (Ha)	Dalradian		46.76	46.76	46.76	46.76	46.76
2019 – 2023 DAERA Nitrates Stock Count Report – for cattle	DAERA online	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	—	—	—	—	—
2019 – 2023 Annual Inventory for sheep	DAERA online or flock book	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	150	150	150	150	150. average
How many animals from above figures are kept on the Project land (approx.)	Discussion with farmer		all	all	all	all	all
2019 – 2023 Fertiliser Purchases to include type and tonnage bought	Invoices	Supplier printout	NONE	NONE	NONE	NONE	NONE. ← (10 bags 4 st bags & duplicate item.
How much fertiliser is applied to Project land (bags per acre)	Discussion with farmer		—	—	—	—	—
How much Slurry is applied to Project land (gallons per acre) or tanker loads/acre.	Discussion with farmer		NONE	NONE	NONE	NONE	NONE

	Source 1	Source 2	2019	2020	2021	2022	2023
Ref No. 04							
Total area farmed (Ha)	SFP submission	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	78.32	78.32	78.32	78.32	78.32
Total area farmed within Project boundary (Ha)	Dalradian		28.31 /4	28.31 ~~HF~~	28.31 ~~HF~~	28.31 ~~HF~~	28.31 ~~HF~~
2019 – 2023 DAERA Nitrates Stock Count Report – for cattle	DAERA online	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	NONE	NONE	NONE	NONE	NONE
2019 – 2023 Annual Inventory for sheep	DAERA online or flock book	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	196	185	215	272	292
How many animals from above figures are kept on the Project land (approx.)	Discussion with farmer		70	60	70	70	75
2019 – 2023 Fertiliser Purchases to include type and tonnage bought	Invoices	Supplier printout	2 TON	2 TON	2 TON	2 TON	2 TON
How much fertiliser is applied to Project land (bags per acre)	Discussion with farmer		NONE	NONE	NONE	NONE	NONE
How much Slurry is applied to Project land (gallons per acre) or tanker loads/acre.	Discussion with farmer		NONE	NONE	NONE	NONE	NONE

No cattle on project land

	Source 1	Source 2	2019	2020	2021	2022	2023
Ref No. 05							
Total area farmed (Ha)	SFP submission	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	122.02	122.02	122.02	122.02	122.02
Total area farmed within Project boundary (Ha)	Dalradian		43.98	43.98	43.98	43.98	43.98
2019 – 2023 DAERA Nitrates Stock Count Report – for cattle	DAERA online	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	13	6 calves born 13+6=19 Sold Aug'20	4	4 calves born Aug. 4+4=8	4 calves sold May 1 cow sold Nov. 3
2019 – 2023 Annual Inventory for sheep	DAERA online or flock book	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	394	405	624	632	594
How many animals from above figures are kept on the Project land (approx.)	Discussion with farmer		70 6 months	70 6 months	70 6 months	70 6 months	70 6 months
2019 – 2023 Fertiliser Purchases to include type and tonnage bought	Invoices	Supplier printout	7 Tonne 27N+8%Sulp	8 Tonne 27N+8%Sulp	7 Tonne 27%N+8 Sulp	6 Tonne 27N+8% Sulp	6 Tonne 27N+8 Sulp
How much fertiliser is applied to Project land (bags per acre)	Discussion with farmer		1 Ton 10 cwt 1½ Bags per acre	1 Ton 15 cwt 1½ Bags per acre	1 Ton 10 cwt 1½ Bags per acre	1 Ton 5 cwt 1½ Bags per acre	1½ Tonne 1½ Bags per acre
How much Slurry is applied to Project land (gallons per acre) or tanker loads/acre.	Discussion with farmer		—	—	—	—	—

Avg 35/year

6 hctr on 6x7 to be Split
Common grazing

	Source 1	Source 2	2019	2020	2021	2022	2023
Ref No. 06							
Total area farmed (Ha) Whole Farm Single Farm Payment	SFP submission	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	78.25	78.25	78.25	78.25	78.25
Total area farmed within Project boundary (Ha)	Dalradian ~~Client~~.		67.52	67.52	67.52	67.52	67.52
2019 – 2023 DAERA Nitrates Stock Count Report – for cattle	DAERA online	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	—	—	—	—	—
2019 – 2023 Annual Inventory for sheep Total number of sheep	DAERA online or flock book	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	6/59/13 -23 +22A. 80 & 6 mths March/ April only	same	same	same	same
How many animals from above figures are kept on the Project land (approx.)	Discussion with farmer		Remainder on area grazed with dry ewes. -160			Sept	/Oct
2019 – 2023 Fertiliser Purchases to include type and tonnage bought	Invoices	Supplier printout	27N 16 bags	27N 16 bags	27N 16 bags	27N 16 bags	27N 16 bags
How much fertiliser is applied to Project land (bags per acre)	Discussion with farmer		~~3/4~~ Tonne 16 bags	3/4 Tonne 16 bags	3/4 Tonne 16 bags	3/4 Tonne 16 bags	3/4 Tonne 16 bags
How much Slurry is applied to Project land (gallons per acre) or tanker loads/acre.	Discussion with farmer		—	—	—	—	—

	Source 1	Source 2	2019	2020	2021	2022	2023	2024
Ref No. 6A								
Total area farmed (Ha)	SFP submission	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.						88.20
Total area farmed within Project boundary (Ha)	Dalradian							11.95
2024 DAERA Nitrates Stock Count Report – for cattle	DAERA online	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.						No cattle kept on project lands
2024 Annual Inventory for sheep	DAERA online or flock book	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.						
How many animals from above figures are kept on the Project land (approx.)	Discussion with farmer							On average - 50 ewes 56 lambs 3 rams
2024 Fertiliser Purchases to include type and tonnage bought	Invoices	Supplier printout						27%N
How much fertiliser is applied to Project land (bags per acre)	Discussion with farmer							2 bags/acre on 7.07ha
How much Slurry is applied to Project land (gallons per acre) or tanker loads/acre.	Discussion with farmer							3000gals x 3 on 7.07ha

No cattle on project land.

	Source 1	Source 2	2019	2020	2021	2022	2023
Ref No. 07							
Total area farmed (Ha)	SFP submission	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	80 Ha	80 Ha	80 Ha	80 Ha	80 Ha
Total area farmed within Project boundary (Ha)	Dalradian		14.38	14.38	14.38	14.38	14.38
2019 – 2023 DAERA Nitrates Stock Count Report – for cattle	DAERA online	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	6 cows 6 calves	9 cows 9 calves	9 cows 9 calves	9 cows 9 calves	9 cows 9 calves
2019 – 2023 Annual Inventory for sheep	DAERA online or flock book	Accessed either by the farmer direct, their agent, or by them contacting DAERA Omagh office.	216	255	284	253	281
How many animals from above figures are kept on the Project land (approx.)	Discussion with farmer		30 sheep 30 lambs 6 months	30 sheep 30 lambs 6 months	30 sheep 30 lambs 6 months	30 sheep 30 lambs 6 months	30 sheep 30 lambs 6 months
2019 – 2023 Fertiliser Purchases to include type and tonnage bought	Invoices	Supplier printout	4 tonnes 20-10-10	4 tonnes 20-10-10	4 tonnes 20-10-10	4 tonnes 20-10-10	4 tonnes 20-10-10
How much fertiliser is applied to Project land (bags per acre)	Discussion with farmer		600kg 20-10-10	600kg 20-10-10	600kg 20-10-10	600kg 20-10-10	600kg 20-10-10
How much Slurry is applied to Project land (gallons per acre) or tanker loads/acre.	Discussion with farmer		NONE	NONE	NONE	NONE	NONE

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted] (Customer ID: [redacted])
Business: [redacted] (Business ID: [redacted])

Nitrogen Loading Calculator

Your Nitrogen loading for 2019 is:
20.5 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 6.18 ha

Total Nitrogen Produced: 126.9 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	12.5	112.5	12.5
Lambs 0 to 6 Months	12.0	14.4	3.6

Nitrogen Produced From Imported & Exported Slurry/Manure

You have not entered any slurry or manure information.

Further Information

Total Nitrogen from Livestock: 126.9 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 16.1 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

---

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2019 is: 24.8 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 18.52 ha

Total Nitrogen Produced: 460.1 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	38.3	344.7	38.3
Lambs 0 to 6 Months	24.0	28.8	7.2

Nitrogen Produced From Imported & Exported Slurry/Manure

Imported Slurry/Manure

	Volume (m^3 / tonnes)	Nitrogen (kg)	Phosphorus (kg)

Beef cattle slurry - 6% dry matter	33.3 m³	86.6	17.3

Further Information

Total Nitrogen from Livestock: 373.5 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 45.5 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2020 is: 19.0 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 18.52 ha

Total Nitrogen Produced: 350.9 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	26.7	240.3	26.7
Lambs 0 to 6 Months	20.0	24.0	6.0

Nitrogen Produced From Imported & Exported Slurry/Manure

Imported Slurry/Manure

	Volume (m^3 / tonnes)	Nitrogen (kg)	Phosphorus (kg)

Beef cattle slurry - 6% dry matter	33.3 m³	86.6	17.3

Further Information

Total Nitrogen from Livestock: 264.3 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 32.7 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2021 is: 22.5 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 18.52 ha

Total Nitrogen Produced: 416.3 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	33.3	299.7	33.3
Lambs 0 to 6 Months	25.0	30.0	7.5

Nitrogen Produced From Imported & Exported Slurry/Manure

Imported Slurry/Manure

	Volume (m^3 / tonnes)	Nitrogen (kg)	Phosphorus (kg)

Beef cattle slurry - 6% dry matter	33.3 m³	86.6	17.3

Further Information

Total Nitrogen from Livestock: 329.7 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 40.8 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2022 is: 24.3 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 18.52 ha

Total Nitrogen Produced: 450.5 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	36.7	330.3	36.7
Lambs 0 to 6 Months	28.0	33.6	8.4

Nitrogen Produced From Imported & Exported Slurry/Manure

Imported Slurry/Manure

	Volume (m^3 / tonnes)	Nitrogen (kg)	Phosphorus (kg)

Beef cattle slurry - 6% dry matter	33.3 m³	86.6	17.3

Further Information

Total Nitrogen from Livestock: 363.9 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 45.1 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2023 is: 22.9 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 18.52 ha

Total Nitrogen Produced: 424.7 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	34.1	306.9	34.1
Lambs 0 to 6 Months	26.0	31.2	7.8

Nitrogen Produced From Imported & Exported Slurry/Manure

Imported Slurry/Manure

	Volume (m^3 / tonnes)	Nitrogen (kg)	Phosphorus (kg)

Beef cattle slurry - 6% dry matter	33.3 m³	86.6	17.3

Further Information

Total Nitrogen from Livestock: 338.1 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 41.9 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2019 is:
13.9 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 46.76 ha

Total Nitrogen Produced: 648.0 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	60.0	540.0	60.0
Lambs 0 to 6 Months	90.0	108.0	27.0

Nitrogen Produced From Imported & Exported Slurry/Manure

You have not entered any slurry or manure information.

Further Information

Total Nitrogen from Livestock: 648.0 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 87.0 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

---

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2023 is:
14.8 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 28.31 ha

Total Nitrogen Produced: 417.6 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	41.2	370.8	41.2
Lambs 0 to 6 Months	39.0	46.8	11.7

Nitrogen Produced From Imported & Exported Slurry/Manure

You have not entered any slurry or manure information.

Further Information

Total Nitrogen from Livestock: 417.6 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 52.9 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

---

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2020 is:
13.4 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 28.31 ha

Total Nitrogen Produced: 378.3 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	37.5	337.5	37.5
Lambs 0 to 6 Months	34.0	40.8	10.2

Nitrogen Produced From Imported & Exported Slurry/Manure

You have not entered any slurry or manure information.

Further Information

Total Nitrogen from Livestock: 378.3 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 47.7 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

---

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2023 is: 15.7 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 28.31 ha

Total Nitrogen Produced: 444.3 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	43.1	387.9	43.1
Lambs 0 to 6 Months	47.0	56.4	14.1

Nitrogen Produced From Imported & Exported Slurry/Manure

You have not entered any slurry or manure information.

Further Information

Total Nitrogen from Livestock: 444.3 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 57.2 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

---

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2019 is:
7.2 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 43.98 ha

Total Nitrogen Produced: 315.0 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	35.0	315.0	35.0

Nitrogen Produced From Imported & Exported Slurry/Manure

You have not entered any slurry or manure information.

Further Information

Total Nitrogen from Livestock: 315.0 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 35.0 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

---

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2019 is:
5.8 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 67.52 ha

Total Nitrogen Produced: 391.2 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	40.0	360.0	40.0
Lambs 0 to 6 Months	26.0	31.2	7.8

Nitrogen Produced From Imported & Exported Slurry/Manure

You have not entered any slurry or manure information.

Further Information

Total Nitrogen from Livestock: 391.2 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 47.8 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

---

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2024 is:
67.3 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 11.95 ha

Total Nitrogen Produced: 803.9 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	50.0	450.0	50.0
Rams over 1 year	3.0	27.0	3.0
Lambs 0 to 6 Months	56.0	67.2	16.8

Nitrogen Produced From Imported & Exported Slurry/Manure

Imported Slurry/Manure

	Volume (m^3 / tonnes)	Nitrogen (kg)	Phosphorus (kg)
Beef cattle slurry - 6% dry matter	99.9 m^3	259.7	51.9

Further Information

Total Nitrogen from Livestock: 544.2 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 69.8 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

Department of Agriculture, Environment and Rural Affairs
www.daera-ni.gov.uk (http://www.daera-ni.gov.uk)

Nutrient Calculators

[redacted]

Nitrogen Loading Calculator

Your Nitrogen loading for 2019 is:
10.6 kg N/ha/Year

You are **within** the 170 kg livestock manure nitrogen per year limit.

Calculation Summary

Total Land Area: 14.38 ha

Total Nitrogen Produced: 153.0 kg

Nitrogen Produced From Livestock

Sheep Livestock

	Average Number	Nitrogen (kg)	Phosphorus (kg)
Ewes over 1 year	15.0	135.0	15.0
Lambs 0 to 6 Months	15.0	18.0	4.5

Nitrogen Produced From Imported & Exported Slurry/Manure

You have not entered any slurry or manure information.

Further Information

Total Nitrogen from Livestock: 153.0 kg

% Nitrogen from Dairy Livestock: 0%

Your farm is classified as **non-dairy**. For grassland, use the 'other livestock farm' recommended limit for 2007 of 239 kg N/ha of chemical fertiliser, and/or organic manures other than livestock manures.

For further information on chemical N limits for grassland, refer to the NMax for Grassland calculator

Total Phosphorus from Livestock: 19.5 kg

This information is only required if you are operating under derogation.

Back to homepage (default.aspx)

---

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute

N Max for Grassland Calculator

Print report

Total Nitrogen applied to grassland for year 2023 is: 24.8 kg N/ha/year

You are **within** the 222 kg N/ha/year limit.

Calculation summary

Total Grassland Area: 11.95 ha

Total Nitrogen: 297.00 kg

Chemical fertilisers

Fertiliser	Tonnes	Total Nitrogen (kg)
27 0 0	1.10	297.00
Total	1.10	297.00

Other organic manure

Manure Description	Tonnes or m³	Total Nitrogen (kg)

Back to homepage

afbi AGRI-FOOD & BIOSCIENCES INSTITUTE (http://www.afbini.gov.uk)

Developed for DAERA by the Agri-Food and Biosciences Institute