

Organic Manure Management Plan

Proposed 2021








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This proposed Organic Manure Management Plan has been produced at the request of both John Saville and Ian Pick, with information provided by both and reproduced verbatim. It is their responsibility to check and confirm the accuracy of this document prior to submission.

Organic Manure Management Plan - Proposed

Field Map Key

	Land where Organic Manure should never be spread.
	Very High Risk land (numbered 1,2,3 or 4)
	High Risk
	Lower Risk
	Land not normally used for Spreading

Key for Numbered Areas

- 1 Do not spread on these fields when the surface is compacted or waterlogged
- 2 Do not spread when there is a risk of flooding
- 3 Do not spread when the soil is at field capacity
- 4 A field (or part field) with effective pipe or mole drains


Non-spreading Areas:


- Within at least 10 metres of any surface water: including ditches, temporary dry ditches and piped ditches.
- Within at least 50 metres of any spring, well or borehole.
- Very Steep Slopes (>20%) where run-off is a high risk throughout the year
- Any areas where you may not be allowed to spread for environmental, legislative or contractual reasons.
- The surface is rocky or uneven so that equipment cannot be used effectively or safely.

Areas not usually Spread:

- non-farmed areas, e.g. buildings and tracks
- particular land use, e.g. woodland

Some areas of the farm may be unsuitable for spreading at certain times of the year or under certain conditions: other areas may receive organic manure at any time, but the rate and application frequency may need to be adjusted to avoid causing pollution.

 **Very High Risk:** cannot be used for spreading at most times of the year: explained via the numbered reasoning.

 **High Risk:** may be used for spreading at most times of the year. Application rates of slurry should be no greater than 30m³/ha in a single application under certain conditions. Land categorised as such in this plan is by virtue of a slope.

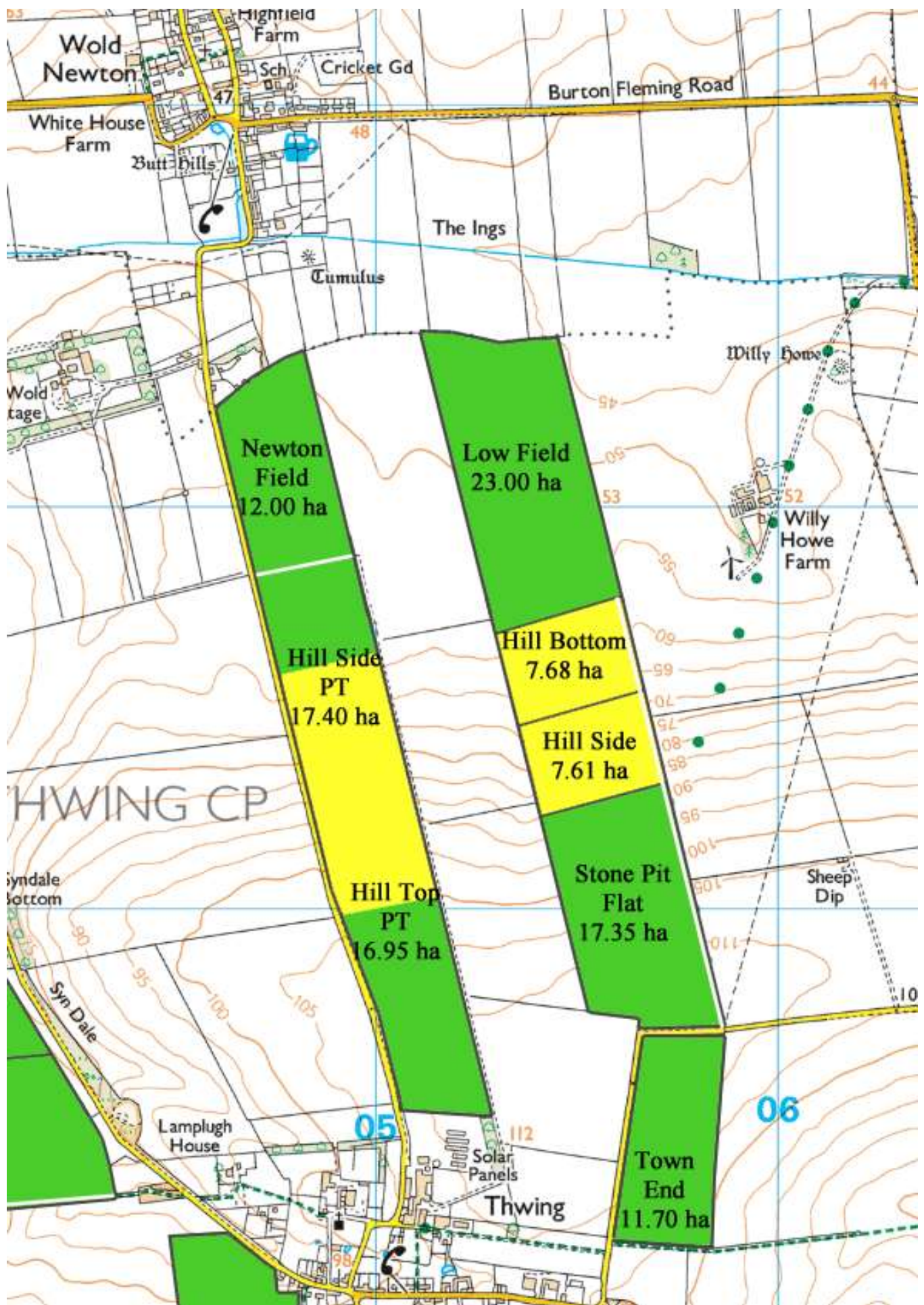
Fields within an NVZ are contained within a table on the map itself - these fields must not be used for spreading high Nitrogen products (e.g. Pig Slurry), during the Closed Periods.

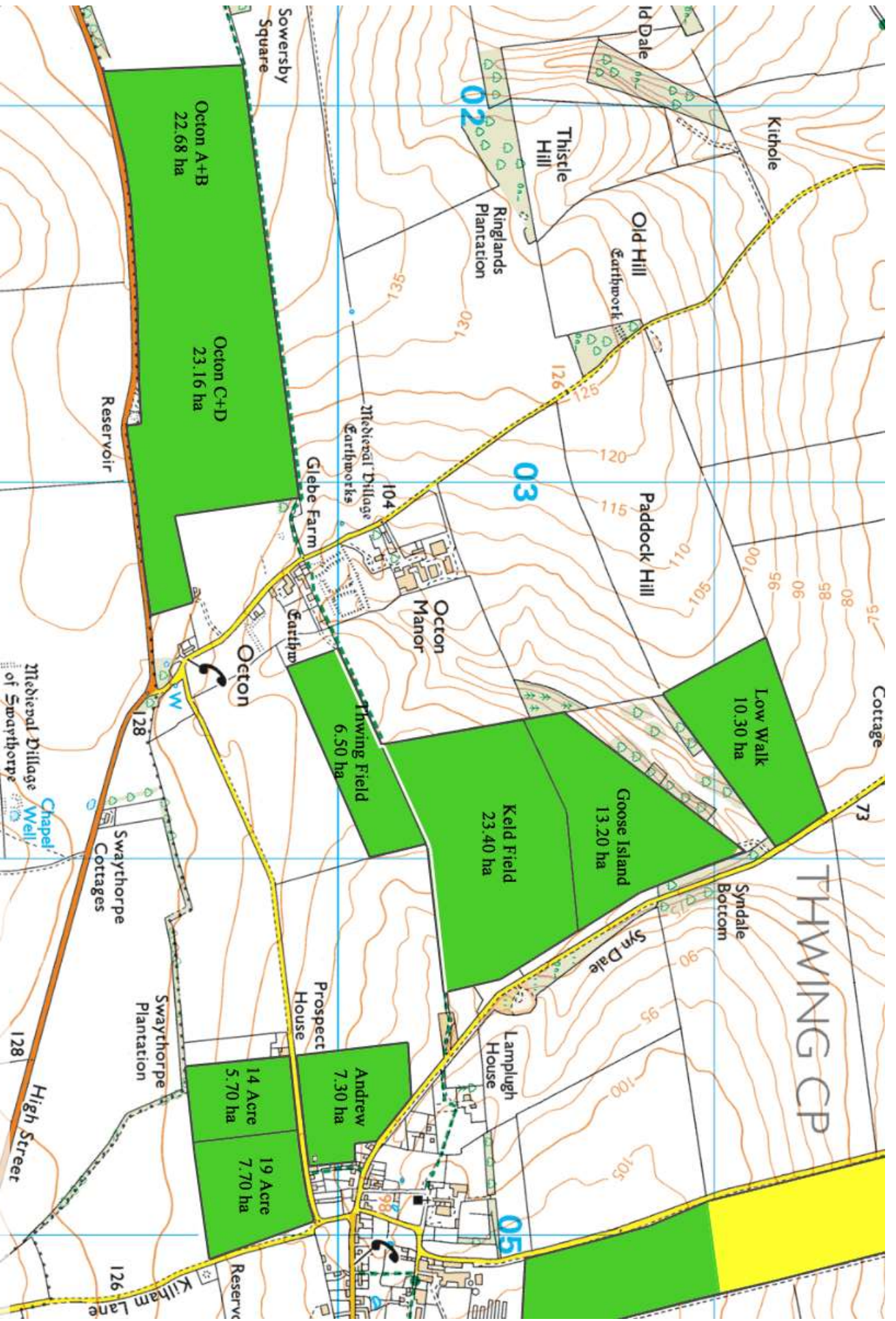
Slurry and Solid Manure should never be spread when: the ground is frozen hard/snow-covered or where tractor-drawn machinery will damage the soil.

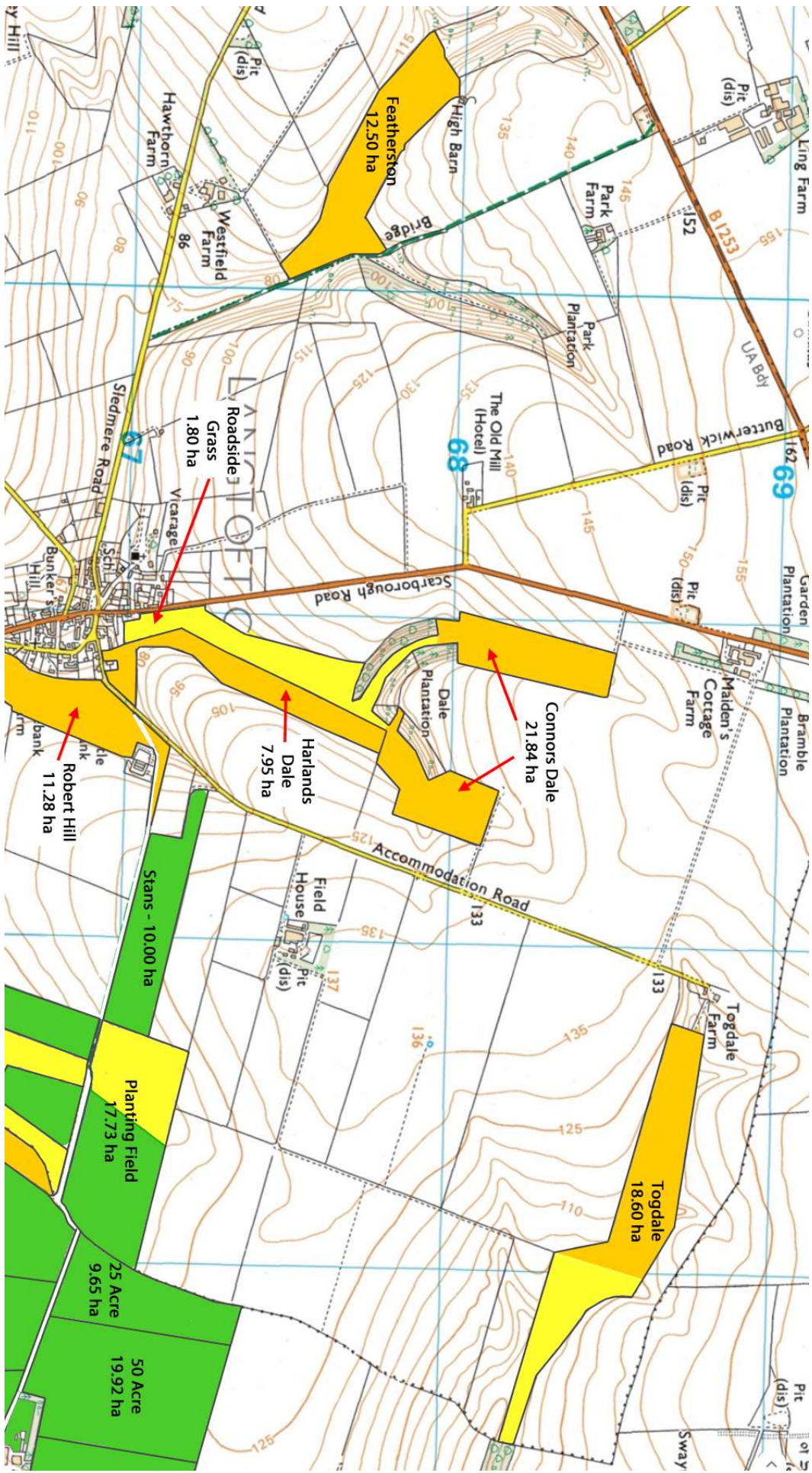
Table 1: Total Farm Area and Non-Spreadable Zones

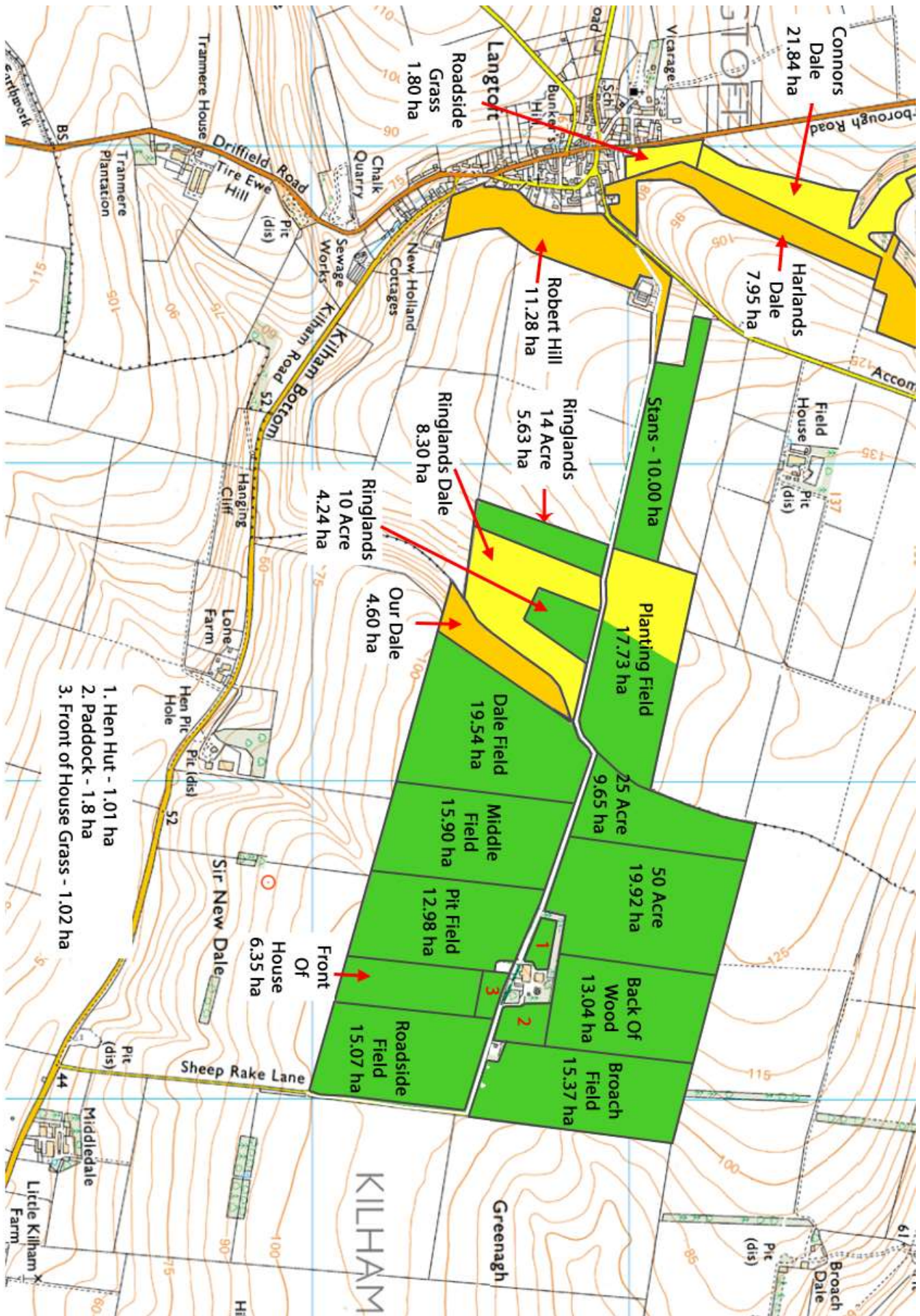
Field Reference	Total Field Area (ha)	Watercourses (Red Areas)		NVZ?	Spreadable Area (ha)
		Total Length (m)	Equivalent (ha)		
25 Acre	9.65	0	0	Yes	9.65
50 Acre	19.92	0	0	Yes	19.92
Back of Wood	13.04	0	0	Yes	13.04
Broach Field	15.37	0	0	Yes	15.37
Dale Field	19.54	0	0	Yes	19.54
Front of House	6.35	0	0	Yes	6.35
Middle Field	15.9	0	0	Yes	15.9
Pit Field	12.98	0	0	Yes	12.98
Planting Field	17.73	0	0	Yes	17.73
Ringlands 10 Acre	4.24	0	0	Yes	4.24
Ringlands 14 Acre	5.63	0	0	Yes	5.63
Roadside Field	15.07	0	0	Yes	15.07
Smithy's	2.2	0	0	Yes	2.2
Hen Hut	1.01	0	0	Yes	1.01
Paddock	1.8	0	0	Yes	1.8
Front of House Grass	1.02	0	0	Yes	1.02
Our Dale	4.6	0	0	Yes	4.6
Ringlands Dale	4.24	0	0	Yes	4.24
Robert Hill	11.28	0	0	Yes	11.28
Roadside Grass	1.8	0	0	Yes	1.8
Harlands Dale	7.95	0	0	Yes	7.95
Connors Dale	21.84	0	0	Yes	21.84
Togdale	18.6	0	0	Yes	18.6
Featherston	12.5	0	0	Yes	12.5
Stan's Field	10	0	0	Yes	10
Low Field	23	0	0	Yes	23
Hill Bottom HF	7.68	0	0	Yes	7.68
Hill Side HF	7.61	0	0	Yes	7.61
Stone Pit Flat	17.35	0	0	Yes	17.35
Town End	11.7	0	0	Yes	11.7
Newton Field	12	0	0	Yes	12
Hill Side PT	17.4	0	0	Yes	17.4
Hill Top PT	16.95	0	0	Yes	16.95
Low Walk	10.3	0	0	Yes	10.3
Goose Island	13.2	0	0	Yes	13.2
Keld Field	23.4	0	0	Yes	23.4
Thwing Field	6.5	0	0	Yes	6.5
Octon A+B	22.68	0	0	Yes	22.68
Octon C+D	23.16	0	0	Yes	23.16
Andrew	7.3	0	0	Yes	7.3
14 Acre	5.7	0	0	Yes	5.7
19 Acre	7.7	0	0	Yes	7.7

Total area available for spreading (ha): 487.89









1. Hen Hut - 1.01 ha
2. Paddock - 1.8 ha
3. Front of House Grass - 1.02 ha

Calculate the Livestock Manure N-capacity of the Farm:

Area of the farm in an NVZ (ha)	X	Livestock manure N Farm Limit (kg N/ha)	=	Livestock manure N-capacity (kg(N))
487.9	X	170	=	82941.3
Area of the farm NOT in an NVZ (ha)	X	Livestock manure N Farm Limit (kg N/ha)	=	Livestock manure N-capacity (kg(N))
 	X	250	=	0
Total Livestock Manure N-capacity (kg(N)):				82941.3

Please note that the N-loading on land within an NVZ must not exceed 170 kg N/ha

Calculate the amount of Nitrogen produced by the Livestock on the Farm:

Livestock Type and Units	Number of Livestock Units	Total N Produced by 1 Unit (kg N/year)	Total N Produced by Livestock Type (kg N/year)
Pig Places - Grower	8000	7.70	61600
Total N Produced by all Livestock on the Farm (kg N/year):			61600

Comparison of the Livestock Manure Net Loading and the N-capacity of the Farm:

Net Loading of Manure N (kg):	61600
Farm N-Capacity (kg):	82941

As the Farms Nitrogen Capacity is greater than the Nitrogen loading placed upon it: the Farm is compliant with the Regulations. Please note that where land is in an NVZ that those fields do not exceed the lower Nitrogen Application Limit.