

April 2023

Whole-farm Score Card

Farmer ID: Surveyor: Survey date:

Note on determining overall whole-farm result:		Overall whole-farm result:			
The result of the whole-farm assessment is the lowest score (0.3, 0.6, 1, or 1.2) achieved in any of the individual		Poor 0.3	Good 1		
sections A-E below.	iy or the individual	Inadequate 0.6	Excellent 1.2		
A Farmyard Assessment (see ove	rleaf for further deta	nils)			
Do any of the following items present		·i	Yes (0.6) No (1.2)		
Silage Pit Separation of clean	Slurry storage	Diesel / oil tanks	Other		
Round bale Livestock handling storage areas	Farmyards	Loose houses - effluent being collected	If 'Other' please specify:		
Gutters & Farmyard manure storm drains	Sheep dipping & spread area	Inappropriate use of pesticides			
B Farm nutrient balance indicator (for farms with slurry storage only, see overleaf for further explanation)					
Extent of suitable (trafficable) spread lands (X)?			ha		
Number of livestock units housed over winter (Y)?			LU		
Ratio of available spread lands to minimum required spread lands $[X/(Y*0.506)]$: Result of farm nutrient balance assessment:					
Poor (0.3) Ratio of available spread lands to minimum required spread lands: <0.6	lands t	of available spread to minimum required Adequate (Ratio of available spread lands to minimum required spread lands: >0.8		
What is the level of damage to water High (0.3) Evidence of trampling and dunging in river. Presence of eroded banks and disturbed wate Direct pathway to natural watercourses.	Moderate (0.	Low (1) e poaching Access to drains evid irect pathway but pathway to nature	None (1.2) ent No evidence of damage to watercourses as a		
zones from watercourses / been breached drains. Bank erosion, pathways by waslumping and poaching likely sediment can be sediment.	re absent or have dand there are which nutrients / enter watercourses		None (1.2) There are no visible pathways by which nutrients/sediment can enter watercourses and drains. No visible bank erosion trampling or poaching.		
Describe the drains on site. Recently cleared/created (0.3) Drains have been recently cleared or created flowing directly into natural watercourses.	Free flowing (0.6) Drains are un-vegetate and/or free-flowing an follow direct pathway natural watercourses.	blocked and vegetated,	Naturalised (1.2) All drains are fully blocked and/or vegetated. Drains with gravel/cobble substrate & stable vegetated banks		
Reason for outcome: Management advice:					

CarraLIFE Whole-farm assessment- tip sheet





A Farmyard Assessment

Do any of the following items present risk to watercourse?

Si	lage	pi.

Round bale storage

Gutters & storm drains

Facilities to divert clean water from roofs and clean yards away from dirty yards

Cattle crush/handling areas or gathering areas for sheep

Farmyard manure storage

Slurry storage

Yards clean & tidy

Sheep dipping & spread

areas

Diesel/oil tanks

Loose houses- effluent being collected

Inappropriate use of pesticides (refers to full holding)

Other

B Farm nutrient balance indicator (for farms with slurry storage only)

The volume of slurry generated in relation to the availability of suitable spread lands influences the whole farm score. To determine the ratio of available to required spread lands it is necessary to know:

- the number of housed livestock and amount of slurry generated (stored)
- length of housing period
- area of suitable spread lands
- appropriate stocking rates considering the characteristics of the catchments (assumed to be 11kgP / Ha (≈ 13.8m³ slurry))

The final ratio is assigned to one of three categories:



How to calculate ratio:

- [A] Extent of suitable spread lands in hectares
- [B] Number of livestock units housed
- [C] Volume of slurry generated (stored)

(B x 0.29 (amount in m³ generated by 1 unit) x 24 (weeks housed))

- [D] Amount equivalent kg of P (C x 0.8 (amount of P in $1m^3$)
- [E] Minimum extent of spread lands (D / 11 (appropriate spread rate of P per hectare))

Ratio - A / E (Available spread lands : Minimum required spread lands)

Where required the farm advisor and Wild Atlantic Nature team will work with the farmer to devise a solution to ensure appropriate nutrient management informed by an assessment of pathway risk.

C Level of damage to watercourses (indicative guide to assist assessment)

Damage to watercourse by livestock / vehicles

No damage visible

None

Ford Stone / gravel substrate Low Fine silt / peat Moderate Damage due to

uncontrolled access

<10m Pathway impeded or length of 'other' watercourse watercourse impacted Low Priority

watercourse

Moderate

10-20m Pathway impeded

length of watercourse impacted

Damage visible

(trampling / dunging / eroded banks)

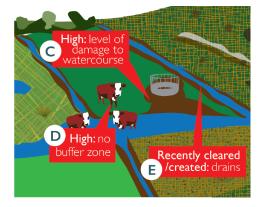
'Other' watercourse Moderate Priority watercourse High

Low

>20m Pathway impeded length of watercourse impacted

/loderate Any watercourse High

Examples of Assessment C, D & E ranging from poor to excellent:



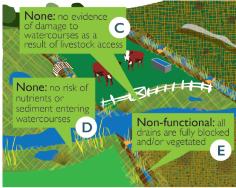


Image credit: Pearl Mussel Project

D Risk of nutrient or sediment entering watercourses

The level of risk in this section requires a Source-Pathway-Receptor connection.

Typical source types include: Land on which chemical or organic fertiliser is applied; bare soil; sediment arising from poaching damage, machinery tracks or recent reseeds etc. Risk of run-off increases when field is sloped towards river and where vegetation comprises a tight evenly grazed sward.

Absent or compromised buffer zones resulting in pathways to a watercourse will result in a 'poor' or 'moderate' risk score. Where pathways comprise only minor 'pinch-points' or are absent, the risk level may be 'low' or 'none'.

E Flow

Drains are characterised as follows:

Recently cleared/created (<1year previously): Free-flowing bare soil bringing nutrients/sediment directly into watercourse.

Free-flowing: Cleared/created (>1year previously) and flowing into watercourse but likely to have some revegetation.

Reduced-flow: Some flow but pathway to watercourse is impeded with vegetation or other impediment.

Naturalised: Fully vegetated and/or blocked.

Note: Do not consider modified watercourses that have become naturalised, i.e. substrates of clean cobbles / pebbles present.