Duhallow Farming for Blue Dot Catchments Project Citizen Science Bonus Payment

	J		Score	ecard			,	
Version 1.1 May 20	20			Date:				
Participant:			Date:					
Herd Number:		Plot Nu	mber:					
Surveyor:				Total Score: /500marks				
1. Riparian A	Areas (100 M	arks)					
•			,	1 1				
Indicate All Positi	ve Inai	cators	by ticking the b	oxes belo	ow			
Bird's Foot Trefo	il	Mar	sh Pennywort		Red Fescue			
Hawthorn		Mar	sh Thistle		Selfheal & Bugle			
Yarrow		Mea	idow Thistle		Sheep Sorrel			
Forget-me -nots		Meadow Sweet			Small Bedstraws/Stitchwort's			
Reeds spp.		Min	Mints		Small Rushes/Rushes			
Knapweeds		Orchids			Small Umbels			
Lady's Smock		Ox-eye Daisy			Yellow Rattle			
Large Umbels		Ragged Robin			Vetches			
Lesser Spearwort		Sedges			Vetchling			
Violets			Yellow Composites		Yellow Flag Iris			
Meadow Grasses		Yorkshire Fog			Creeping Bent			
spp								
Other:								
	0.00							
A. COMI			F POSITIVE				20 MARKS	
No Dlonta	Low		Medium	Med-F 9-1	_	High	Very Hig	gh
No. Plants	0-4 5 mar	ze	5-8 8 marks	10 ma		13-15 15 marks	16+ 20 ma	rke
	Jillari	N.S	o marks	10 1110	IKS	13 marks	20 1110	пка
B. COVI	ER OF	POSI	TIVE INDICA	TOR SI	PECIES	<u>S</u>	20 MARKS	
G 0/				-			ъ.	
Cover % Ra			Occasional	Frequ		Abundant	Dominar	nt
0-5%				11-25% 10 marks		25-50%	>50% 20 mar	
	0 mar	AS	3 marks	10 1118	IKS	15 marks	20 ina	цKS
			F NEGATIVI				20 MARKS	
*Negative specie	s includ	ling No	ettles, Docks, R	lagwort,	Perenni	al Ryegrass,	Creeping/Spe	ar
Thistle								



Dominant

>50%

-15 marks

Cover %



Frequent

11-25%

-5 marks

Abundant

25-50%

-10 marks



Occasional

6-10%

10 marks

Rare

0-5%

20 marks

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D. QUALI	TY OF RIPARIAN BUFFER	20 MARKS	
Low	Moderate	High	
Riverbank overgrazed with bare soil exposed. Fencing is ineffective and there is no riparian area. Riverbank is falling into the waterway	Little or no bare soil exposed but invasive species <1m of buffer present. Riparian area is established primarily with grass spp. Fence line or hedgerow present. Riverbank is stable	At least 1 metre of good quality buffer present extending out from the river/stream. Riparian area is well established and protected. Riverbank is stable.	
-20 marks	10 marks	20 marks	
E.	RIVERBANK EROSION 20 N	MARKS	
Low Riverbank unstable and eroding or at risk of eroding. Evidence of modification be machinery or removal of vegetation. Livestock drinking points throughout.	Moderate Riverbank is stable with minor erosion at regularly used areas. Minimal disturbance from drinking points.	High Riverbank is stable. Livestock has no access to waterbody. Riverbank well vegetated	
-20 marks	0 marks	20 marks	

2. Siltation of the Waterway (100 marks)

Note: Resuspension should be evaluated by placing a white tile on the streambed in a run, disturbing the streambed 3m upstream of the tile by moving feet vigorously for five seconds and allocating a score from 1-5 depending on the visibility (guidance photos are available) and duration of the resulting plume in relation to the white tile downstream.

				Leve	el of Silta	ation				
High			Moderate				Low			
Substrata is not visible through the silt layer.			Substrata is visible but silty. Some sediment present on			•	Substrata is clearly visible. Little or no sediment on			
Excessive sediment on tile.			the tile.				the tile.			
Dead FPM shells may be										
present.										
Score	10	20	30	40	50	60	70	80	90	100







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3. Water Quality Monitoring (100 marks)

Nutrient	Reading	Limit	Sco	ore
Ammonia NH4 & NH4		0.1mg/l N	20 marks	-20 marks
Nitrate NO3		<0.5mg/l NO3	20 marks	-20 marks
Phosphate PO4 &		0.015-0.030 mg/l P	20 marks	-20 marks
PO4-P				
Dissolved Oxygen		50% >9mg/l O2	20 marks	-20 marks
, ,				
Alkalinity		Mg/l CaCO3	20 marks	-20 marks
,				
Total Marks				
2 0 000 2 1200200				

4. Macroinvertebrates (100 marks)

Note: Sampling to be completed using a pond kick net

Bad			Good
Leech, worms,	Shrimp, flatworm,	Some mayfly, and	Mayfly and
and/or bloodworm dominant	and/or water louse present	stonefly present with some caddis or	stonefly are abundant
dominant	present	sedge fly	abundan
Score 10 20	30 40 :	50 60 70	80 90 100

Indicate macroinvertebrates present by ticking the boxes below

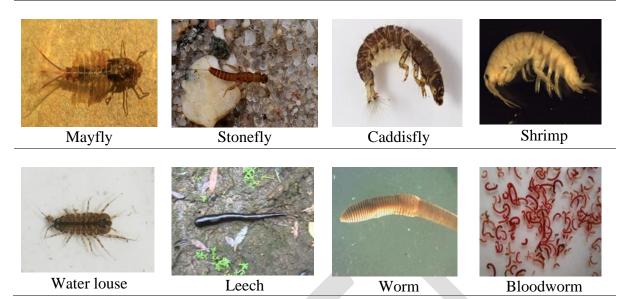






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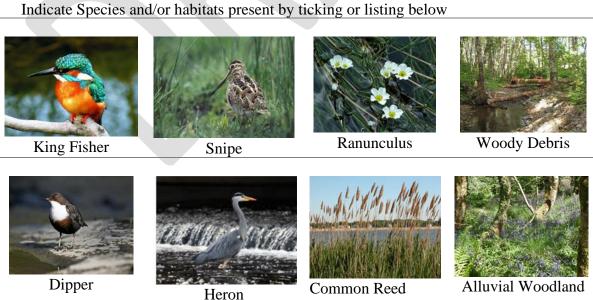
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5. Biodiversity Benefits (100 marks)

What biodiversity benefits are present?

Biotic	Abiotic			
A number of bird, animal and/or plant species listed below present.	Fields adjacent to river flood regularly. Alluvial woodland, large woody debris and/or natural seepage areas are present.			
Score 100 90 80 70	60 50 40 30 20 10			









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