

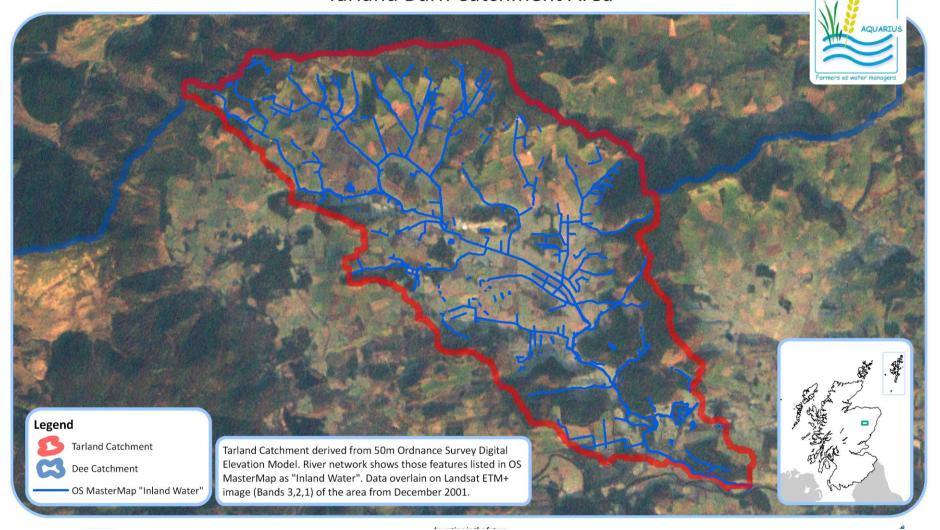
Scottish Postcard: Welcome to Tarland



Catchment – River Dee - Area: 2,083 km², Max Elevation = 1304 m, Mean Elevation = 410m; **Pilot Area – Tarland** - Area = 73 km², Max Elevation = 620m, Mean Elevation = 227m, Elevation at which Tarland Burn enters the Dee = 109m



Tarland Burn Catchment Area





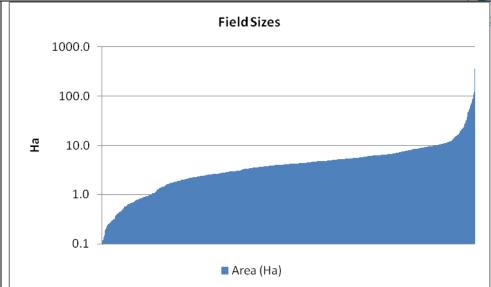
Field Layout	t
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Field Size

Quartile	Area (Ha)
Median	4.16
Q1 (min)	0.09
Q2 (25%)	2.27
Q3 (50%) median	4.16
Q4 (75%)	6.42
Q5 (max)	362.28
Average	6.81

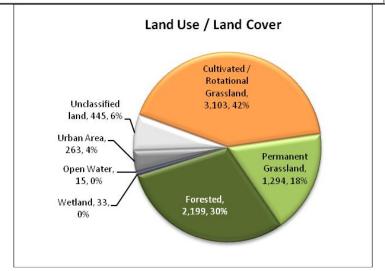
Field Shape

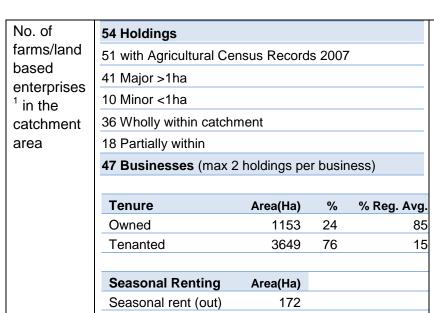
See supporting maps and tables at the end of the document

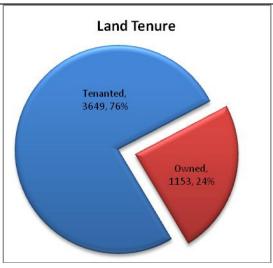


Land Cover & Land Use in catchment area

Land Use / Land Cover	На	%
Cultivated / Rotational Grassland	3,103	42.2%
Permanent Grassland	1,294	17.6%
Forested	2,199	29.9%
Wetland	33	0.4%
Open Water	15	0.2%
Urban Area	263	3.6%
Unclassified land	445	6.1%
Total	7,352	100%









Population
density in
the
catchment
area

Population	
2001 Census	2,679
Total Area of Census Units (km2)	77.94
Population Density (people/km²)	34.37

446

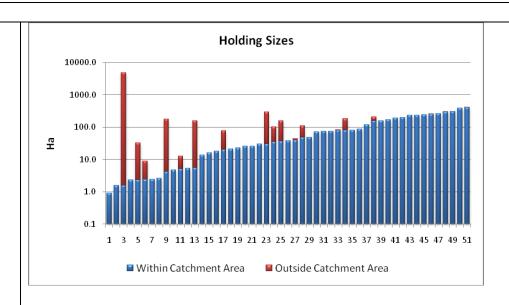
Seasonal rent (in)

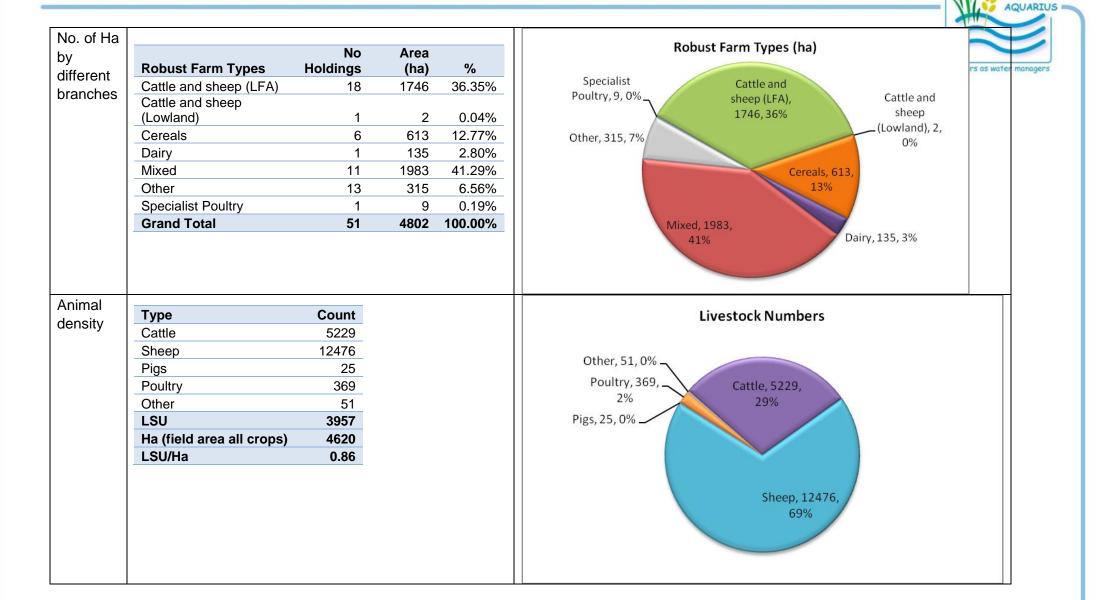
¹ Definition of land based enterprise: An enterprise within the primary sector making use of the land – breeding animal, plant production, gardening, forestry)



	Farm/enterprise le	evel	
Typical	Distribution of Holding Sizes		
Farm	All Quartile	Size (ha)	
Size	Q1 (min)	0.90	
	Q2 (25%)	21.72	
	Q3 (50%) Median	81.12	
	Q4 (75%)	194.61	
	Q5 (max)	4785.85	
	Average	206.27	
	Inside Quartile	Size (ha)	
	O1 (min)	0.00	

Inside Quartile	Size (ha)
Q1 (min)	0.90
Q2 (25%)	9.49
Q3 (50%) Median	38.15
Q4 (75%)	155.83
Q5 (max)	394.03
Average	90.59





European Union



Employment
in primary,
land based
sector
(including
self
employment)
out of total
employment
in catchment
area

Local Employment (Marr)		
Sector	'000s	%
Agriculture and fishing	0.3	2.7%
Banking/Finance/Insurance	1.6	14.2%
Construction	1.0	8.8%
Distribution and Hotels	2.9	25.7%
Manufacturing	0.7	6.2%
Other services	8.0	7.1%
Public Admin/Education/Health	3.3	29.2%
Transport and Communications	0.4	3.5%
All Sectors	11.3	100%

Farm Type	FTE ¹	SLR ²
Cattle and sheep (LFA)	40.49	34.16
Cattle and sheep (Lowland)	0.75	0.03
Cereals	5.82	2.91
Dairy	4.07	3.62
Mixed	29.05	27.51
Other	8.67	0.40
Specialist Poultry	0.25	0.05
Grand Total	89.11	68.67

¹FTE – Fill Time Equivalent (Estimated from June Annual Census – uncertainty on part-time and casual employees. Importance of contractor hours – how to include?)

²SLR – Standard Labour Requirement (statistical estimate of labour requirements based on enterprises present)

Primary pilot problem

Summary sentences from ecosystem conclusions

Tarland Burn is degraded due to diffuse pollution and morphological alterations. The morphological alterations, and the nature of urban development, lead to flooding of low lying houses in Tarland and Aboyne. This is likely to be worse with increased storm events. Over abstraction and low flows is also a potential problem in the future.



Is the catchment similar to other catchments in country	Summary sentence based on expert knowledge	F
Other catchinents in country	Tarland Burn is typical of an East Coast tributary running through mixed farming country.	

For more information, please contact: Keith Matthews (<u>k.matthews@macaulay.ac.uk</u>)
The full Scottish baseline will be found at: <u>www.aquarius-nsr.eu</u> and <u>http://www.macaulay.ac.uk/aquarius/</u>