

Output: A Report on the data requirements of a unified system
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1 Background:

As outlined in the Unified Data project rationale, DCS has seeks to maximise the data collected from culling wild deer in order to:

- Provide full **traceability** for disease monitoring and quality assurance purposes
- Assist in their **sustainable management**
- Explore whether data can assist in the monitoring of the **competence** of practitioners.

The sorts of questions that both DCS and stakeholders currently ask relate primarily to numbers, sexes, locations, stalkers and dates of deer culled. In other words, what deer were culled when, where and by whom.

2 Method:

Table 1 presents a summary of key questions designed to provide data on traceability, sustainable management and potential assessment for competence (as outlined above). Each of these key questions focuses on fifteen potential variables (also outlined in Table 1).

Table 2 presents further details on these fifteen variables, suggesting that eleven of these variables are essential while the remaining four would provide additional useful information. Table 2 also outlines possible data criteria for these variables, e.g. for location a minimum would be landholding (DCS property code) and a useful addition would be a six figure grid reference for each carcass.

3 Implications and options:

The main implication from the above analysis is that a minimum of eleven data variables to a set minimum standard are required for a unified data system.

Table 1 Questions and variables required

AREA	QUESTIONS	REQUIRED VARIABLES	
TRACEABILITY	What killed? Who by? When? Where? What diseases?		Species Sex Age class Stalker Date Location Habitat Diseases Parasite loads Bacterial loads Weight Condition Bullet tracts pH Deer Act provision
	SUSTAINABLE MANAGEMENT	What killed? Where? What condition?	
COMPETENCE	What killed? Who by? When? How killed? What state carcass?		

Project: Unified Data (UD 2.1.1)

Table 2 Data variables and minimum 'standard' required

	Stalker ID	Location	Species	Date	Deer Act provision culled under	Sex	Age class	Disease	Parasite loads	Bacterial loads	Weight	Condition	Habitat	Bullet tracts	pH
Traceability															
Sustainable mgt															
Competence															
Minimum standard	name address	land- holding / grid-ref	red roe sika fallow	day	none 5(6) 5(7) 10/11 18(2) 26 ¹	male female	juvenile adult old	notifiable ²	liver fluke	???	0.0kg	good moderate poor ³	forestry open hill agriculture	deductions ⁴ number of tracts	pH
Additional info						reproductive status (yeld or milk)			lung / intestinal worms ticks bots?					exit entry wounds number of tracts	

	required
	useful
	not required

¹5(6) unenclosed woodland, natural heritage; 5(7) scientific purposes; 10/11 emergency measures; 18(2) night; 26 agriculture, woodland

²TB, etc.

³Based on body fat or kidney fat

⁴1 - 5 i.e. haunch shot etc.