

## Appendix 1

### Landowner questionnaire

#### Deer hunting structures

1. Deer hunting structure around your property– Please tick the appropriate box in each block.

1a	Yes	No	If you tick “no” you will go directly to question 16
My property is used for deer hunting			

#### 1b *Jaktfelt*

A) My property constitutes a separate <i>Jaktfelt</i>
B) Our <i>jaktfelt</i> consist of 2-5 landowners
C) Our <i>jaktfelt</i> consist of 6-10 landowners
D) Our <i>jaktfelt</i> consist of >10 landowners
E) I don't know

#### 1c *Vald*

A) Our <i>jaktfelt</i> represents its own <i>vald</i>
B) Our <i>vald</i> consists of 2-5 <i>jaktfelt</i>
C) Our <i>vald</i> consists of 6-10 <i>jaktfelt</i>
D) Our <i>vald</i> consists of >10 <i>jaktfelt</i>
E) I don't know

1d	Yes	No	I don't know
Our <i>vald</i> has a perennial <i>bestandsplan</i>			

## Deer harvested

2. In 2015; How many red deer were harvested in the Jaktfelt where your property is included? Enter 0 if the specified type of deer were not harvested. Please leave blank if you do not know.

	Fawn	Hind (1.5 years)	Stag (1.5 years)	Hind (2.5 years or older)	Stag (2.5 years or older)	Total
Number of deer harvested						

3.1 When and how many deer were harvested in your jaktfelt during 2015? Enter 0 if no deer were harvested in the specified period. Please leave blank if you do not know.

	1.-9. September	10.-30. September	October	November	December	None	I don't know
Number of deer harvested							

3.2 What was the total quota for your jaktfelt in 2015?

4. Management authorities recently extended the legal hunting period (2012). What is your opinion on this change?

	It is better now	It does not matter	It was better before	I don't know
A) Season start moved forward from 10 September to 1 September				
B) Season end moved back from 15 November to 23 December				

5. Do you have migratory deer in your jaktfelt? Mark the most appropriate

A) No, mainly stationary deer in the area	
B) Yes, SOME migratory deer enter throughout the hunting season	
C) Yes, MANY migratory deer enter throughout the hunting season	
D) Yes, SOME migratory deer disappear from the area throughout the hunting season	
E) Yes, MANY migratory deer disappear from the area throughout the hunting season	
F) I don't know	

### Hunting arrangements in general

6. Who is involved in the actual red deer hunting on your property?

A) Myself/family/friends/locals hunt ourselves	
B) Rent out some periods	
C) All the deer hunting at my property is for rent	
E) Other:	

7. How important are the following aspects of deer hunting to you?

	Not important	Somewhat important	Very important
A) The practical part of deer hunting			
B) Meat from deer hunting			
C) Trophies from deer hunting			
D) The social part of deer hunting			
E) Income from deer hunting			

## Deer management

8. What is the nature of your current involvement in the management of deer? (Several choices possible):

A) I participate in the hunt	
B) I am the contact person of Jaktfelt towards vald or I report the number of deer seen and/or deer harvested ("jaktleder" or serve secretary function)	
C) I am involved in administration in the <i>vald</i> (e.g. responsible for vald towards the municipality, or involved in drawing up the management plan at the <i>vald</i> , ensuring that management plan objectives are adhered to)	
D) I am board member of <i>bestandsplanområde</i> (collaboration of several <i>vald</i> )	
E) I participate in annual meetings with members of <i>jaktfelt</i> , <i>vald</i> or <i>bestandsplanområde</i>	
F) I am not involved in deer management	
G) Other:	

9. Are you satisfied with how deer management is currently organised?

	Very dissatisfied	Dissatisfied	Neither satisfied nor dissatisfied	Satisfied	Very satisfied
A) In the <i>jaktfelt</i> area					
B) In the <i>vald</i> area					
C) In the population plan area					
D) In the municipality					

## Benefits and challenges of cooperation

10. How would you describe the cooperation in relation to deer hunting and management as you currently experience it? 1 = Cooperation is very poor- 5 = Cooperation is very good.

	1	2	3	4	5	I don't know
A) Among landowners within the <i>jaktfelt</i>						
B) Between <i>jaktfelt</i> in the same <i>vald</i>						
C) Within the <i>bestandsplanområde</i>						
D) Between <i>vald/ bestandsplanområde</i> and Municipality						
E) Between municipalities						

11.1. What is your view on the benefits of cooperation with other landowners?

1= Disagree strongly – 5 = Agree strongly

	1	2	3	4	5
A) Through cooperation I have access to a larger area and more hunting licenses					
B) Through cooperation we can ensure to harvest the same sex and age classes					
C) By cooperating we can ensure that an appropriate number of deer is harvested on a larger area					
D) Cooperation leads to a better management of migratory animals					
E) Cooperation facilitates the practical aspects of hunting					

F) I can increase my income from hunting if I cooperate with others					
G) I have less reporting and administrative duties if I cooperate					
H) Cooperation provides an opportunity to meet neighbours/ other hunters socially					

11.2. Are there any other benefits of cooperation that come to mind? Please specify:

12.1. What is your opinion on potential drawbacks and challenges of cooperation with other landowners related to red deer management? 1= Disagree strongly – 5= Agree strongly

	1	2	3	4	5
A) Cooperation requires too much additional paperwork/meetings					
B) I don't see the need for landowner cooperation related to red deer management					
C) There is insufficient information on which to base a <i>bestandsplan</i>					
D) Population situation differs too much between <i>jaktfelt</i>					
E) The goals of other landowners are very different from my own					
F) Other landowners do not want to cooperate					
G) I must relate to people I find difficult					
H) Existing landowners involved in <i>jaktfelt</i> are not the correct ones because of migratory deers					

12.2. Are there any other challenges or drawbacks of cooperation that come to mind? Please specify:

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### Improvements and good deer management

13. What improvements do you think are necessary in order to achieve better deer management?

1= Disagree strongly – 5= Agree strongly

	1	2	3	4	5
A) Increase the size of the valds					
B) Make sure neighbouring valds harvest similar sex and age classes					
C) Establish <i>bestandsplan</i> over a larger number of <i>valds</i>					
D) Better monitoring to identify/understand changes in the deer population					
E) Improved common agreements on management aims within the municipality and across municipality borders					
F) We need less detailed quotas in terms of age and sex distribution					
G) More of the stationary animals need to be harvested					
H) More of the migratory animals need to be harvested					
I) Improve cooperation between landowners					
J) Municipality should get more involved in deer management					
K) No improvements are necessary					

14. What does “good deer management” mean to you? 1= Disagree strongly – 5= Agree strongly

	1	2	3	4	5
A) The income from deer management is spread fairly between landowners					
B) Set hunting quotas based on monitoring data					
C) Retaining a high proportion of adult hinds					
D) Retaining a high proportion of adult stags in the population					
E) Having a high proportion of calves in the harvest					
F) Having a high proportion of yearlings in the harvest					
G) Working to reduce deer population to lower the cost of grazing damage on pastures					
H) Working to reduce deer population to lower the cost of browsing damage on forests					
I) Managing deer numbers to reduce road accidents.					
J) Managing deer according to a joint management plan					
K) The municipality take an active role in overseeing deer management					
L) To balance deer population with biodiversity and other landscape and conservation goals					

### Size of vald, jaktfelt and property

15. Deer population: (Single tick)

	Too large	Appropriate	Too low	I don't know
The deer population on my property is				

16. In 2015, the extent of browsing and grazing damage by deer on forest and pastures I own:

	Serious damage	Some damage	Little damage	No damage	I don't know
A) Browsing damage on forest					
B) Grazing damage on pastures					

17. The size of your *vald* (decares)

< 2,000	2,000-4,999	5,000-19,999	20,000-49,999	50,000 or more	I don't know

18. The size of your jaktfelt (decares)

< 500	500-1,999	2,000-4,999	5,000-19,999	20,000 or more



23. Please provide an estimate of your total income and any income from your property that apply to you.

	0	1-24,999 kr	25,000 - 49,999 kr	50,000 - 99,000 kr	100,000 - 249,999 kr	250,000 - 399,000 kr	400,000 - 599,999 kr	600,000 kr or more	Prefer not to say
A) Total Gross income ( <i>before tax</i> ) from any source in 2015:									
B) Gross income from forestry in 2015:									
C) Gross income from forestry in normal years:									
D) Gross income from agriculture (including livestock) in 2015:									

### Personal data

Please provide some personal data.

24. Gender: 

Female		Male	
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25. Age

18 – 29 years	30-39 years	40-49 years	50-59 years	60+ years

26. Location of your property

A) County	
B) Municipality	
C) Zip code for your property	

27. Do you live on the property this questionnaire refers too?

A) Yes, all year	
B) Yes, part of the year	
C) No	