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The Economic and Social Impact  
of Goose Hunting in the Kindersley  
Region of Saskatchewan

R. Dainow  
October 3, 1972

A Research Project Design  
for the Canadian Wildlife Service  
Prairie Migratory Bird Research Centre

The Economic and Social Impact  
of Goose Hunting in the Kindersley  
Region of Saskatchewan

Submitted by:

R. Dainow  
October 3, 1972

In the fall of 1971 the Migratory Bird Section of the Canadian Wildlife Service initiated a project with a group of graduate students at the College of Commerce at the University of Saskatchewan, Saskatoon. The objective of that project was to provide a theoretical framework for viewing the consumption behaviour of the visiting goose hunter in western Saskatchewan. Subsequent to this project a second phase was initiated. This project, proposed on March 30, 1972, set the objective of developing a research design to assess the economic and social impact of the goose hunter in Provincial Game Management Zones 12 and 13 (henceforth referred to as the Kindersley region).

The proposal indicated two sources of information:

- (1) The visiting goose hunter; and
- (2) The residents of the Kindersley region.

These groups, therefore, are the populations from which the samples will be selected. The selection procedures are explained in detail in Appendix 1. For each of these groups the relevant variables were determined and a questionnaire devised to measure these variables. As this is the first study of this kind there must, of necessity, be a good deal of hypothesizing about which are the most relevant variables and which are the best questions to provide meaningful measures. There must be a fairly harsh selection process in deciding which of many possible questions will be included in the questionnaire. These tasks were accomplished in meetings with knowledgeable persons from both the Canadian Wildlife Service and the Provincial Department of Natural Resources. In addition, a list of additional questions is appended to this report for use in follow-up studies (see Appendix 5).

## A. The Kindersley Resident: Variables, Questionnaire, and Analysis.

### I. Variables

The project proposal of March 30, 1972, isolated two groups of variables that were relevant in studying the economic and social impact of the visiting goose hunters. The measures sought are:

(1) The residents' perception of the visitor's influence, i.e., how many he thinks come to the Kindersley region, where they come from, what they bring with them, what they spend in the region and on what, what they take away, and what they leave behind; and

(2) The residents' attitude towards the visiting hunter, i.e., how they feel about the non-resident's activities in their territory, how they feel about non-Kindersley, non-Saskatchewan, and non-Canadian residents generally, and what changes they would like to see in the present situation, if any.

### II. Questionnaire

On the basis of this statement the following questionnaire was devised. Note that the recommended printing format includes a self-sealing, self-addressed package with a map of the Kindersley region on the front cover. This format is similar to that used in the Institute for Northern Studies Bird Management Research Project; a sample of that questionnaire is included in Appendix 2.



Dear Resident:

Since a lot of hunters are attracted to west-central Saskatchewan each year, the Canadian Wildlife Service is undertaking a survey to determine the relationship that exists between residents of the area and hunters who travel there during the hunting season. The questionnaire will be used partly to assess the importance of hunting in the area but also to give residents an opportunity to express their views about hunting, hunters, and current hunting regulations.

You have been selected from a random sample of all residents of Saskatchewan game zones 12 and 13. Replies are strictly confidential and will be used for statistical purposes only.

Your answers and comments will be greatly appreciated and will help to guide wildlife management in your region of Saskatchewan. Feel free to use the space at the end for comments.

Thank you for your cooperation.

(1) For how long have you lived in the area contained by Zones 12 and 13 (from Macklin-Biggar, south to Rosetown and Swift Current, and west to Leader and the Alberta border - see map on front cover)?

- More than 20 years - I was born here.
- More than 20 years but born elsewhere.
- 10-20 years.
- 5-10 years.
- 0-5 years.

(2) Are you a landowner in the area?

- Yes.
- No.

(3) In an average year, on how many days do you hunt any game (for 1 hour or more per day)?

- Days (if you never hunt, go to Question #5).

(4) For me, hunting is (check one only).

- A favourite sport.
  - An important source of food.
  - A time when I look forward to being with hunting companions.
  - A habit - I've always done it and don't think about why I do it.
  - Other. Please specify \_\_\_\_\_
- 
- 

(5) Which of the following statements best describes your relationship to visiting hunters (check one)?

- I (or my employer) earn some of my income from the visiting hunters.
- I (or my employer) earn a large part of my income from the visiting hunters.
- I don't earn any of my income from the visiting hunters but I meet and talk to many of them.

2

3,4

5

6

\_\_\_\_\_ I see them around but hardly ever meet or talk to any of them.

\_\_\_\_\_ Other. Please specify \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(6) What services do you provide for hunters (as either an employee, an individual, or an owner)? Check the one that applies best.

7

\_\_\_\_\_ None.

\_\_\_\_\_ Food, drink, or lodging.

\_\_\_\_\_ Vehicle service.

\_\_\_\_\_ Hunting supplies and service (guiding, plucking, lockers, access fees, etc.).

\_\_\_\_\_ Other. Please specify \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

For the following questions check the column that indicates your best estimate of the numbers involved. If you have no opinion, check the last column under "Don't Know".

Column

(7) Of all those who hunt geese in Zones 12 and 13 (see map on front cover), how many do you think come from:

	0-10%	10-20%	20-30%	More than 30%	Don't Know	
(a) the local region (Zones 12 and 13)	0	0	0	0	0	8
(b) other parts of Saskatchewan	0	0	0	0	0	9
(c) other parts of Canada	0	0	0	0	0	10
(d) U.S.A. or elsewhere	0	0	0	0	0	11

(8) How many of the visiting goose hunters do you think come in:

	0-10%	10-20%	20-30%	More than 30%	Don't Know	
(a) camper, trailer or other live-in unit	0	0	0	0	0	12
(b) jeep or other non live- in unit used mainly for outdoor recreation	0	0	0	0	0	13
(c) car, truck or other non live-in unit that is used generally through- out the year	0	0	0	0	0	14
(d) airplane or commercial transport vehicle	0	0	0	0	0	15
(e) other, please specify _____	0	0	0	0	0	16

(9) While in the hunting region how many of the visiting hunters do you think get around in:

	0-10%	10-20%	20-30%	More than 30%	Don't Know	Column
(a) the same vehicle that was used to get to the hunting region	0	0	0	0	0	17
(b) an extra vehicle that was carried or towed	0	0	0	0	0	18
(c) a rented vehicle	0	0	0	0	0	19
(d) a borrowed vehicle or with a local resident	0	0	0	0	0	20
(e) other, please specify	0	0	0	0	0	21

(10) While in the hunting region, how many of the visiting hunters do you think live:

	0-10%	10-20%	20-30%	More than 30%	Don't Know	Column
(a) in a hotel or motel	0	0	0	0	0	22
(b) in a tent or trailer	0	0	0	0	0	23
(c) with friends or relatives	0	0	0	0	0	24
(d) at their own residence	0	0	0	0	0	25
(e) other, please specify	0	0	0	0	0	26

(11) Of all the money the visiting hunter spends in the region, how much of it do you think he spends on:

	0-10%	10-20%	20-30%	More than 30%	Don't Know	
(a) food, drink and lodging	0	0	0	0	0	27
(b) transportation and vehicle maintenance	0	0	0	0	0	28
(c) ammunition, clothing, and equipment	0	0	0	0	0	29
(d) hunting fees and services (guiding, plucking, access, etc.)	0	0	0	0	0	30
(e) other services	0	0	0	0	0	31
(f) miscellaneous	0	0	0	0	0	32

(12) When the hunting season ends, the most significant thing the visiting hunter has left in the area is (check one):

33

\_\_\_\_\_ His economic input (his money).

\_\_\_\_\_ His car tracks across the field and his debris.

\_\_\_\_\_ A lasting friendship and good memories.

\_\_\_\_\_ Other. Please specify \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_







STATISTICAL INFORMATION

Value

Column

REMEMBER ALL ANSWERS ARE CONFIDENTIAL AND ARE USED FOR STATISTICAL PURPOSES ONLY.

- (37) Sex:  M  F (1,2) 58
- (38) Age:  Years. 59,60
- (39) Occupation: \_\_\_\_\_ (M,W,F, 61  
B,O)
- (40) Marital Status:  Single  Married  Other (S,M,O) 62
- (41) Including yourself and your spouse, how many persons in your family are living at home? 63,64  
 Persons
- (42) Education: Please circle highest year completed. 65,66
- No formal education  (NO)
- Public School      1   2   3   4   5   6   7   8      (01..)
- High School        9   10 11 12 13      (.. 13)
- University         1   2   3   4   5   6   7   8      (U1..U8)
- Technical School   1   2   3   4      (T1..T4)
- (43) What is your approximate total yearly income from all sources? 67
- \$0-\$5,000
- \$5,000-\$7,500
- \$7,500-\$10,000
- \$10,000-\$15,000
- More than \$15,000
- (44) Are there any changes you would like to see during hunting season? 68
- No
- Yes
- Comments \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

THANK YOU VERY MUCH FOR YOUR COOPERATION IN COMPLETING AND RETURNING THIS QUESTIONNAIRE.

### III. Analysis

For the Resident questionnaire, returns can be transcribed directly onto computer cards, with the exception of question #39, for which occupations must be categorized into Managerial, White collar, Farmer, Blue collar, and Other.

Table 1 lists the specific variables and the questions that will give measures of these variables; there is a close correspondence between these variables and those set forth in the project proposal mentioned earlier. In addition, several other questions are included in the hope that they will provide a basis for finding meaningful subsamples.

Table 1. The Resident Questionnaire: Variables Measured

A: Residents' Perceptions	Question Number(s)
(1) How many visitors	13
(2) Where they come from	7
(3) How they travel (a) to the region	8
(b) in the region	9
(4) How well equipped they are	14
(5) Where they stay	10
(6) Economic input	11, 19, 24
(7) Quality of goose hunting	20, 21, 28
(8) Availability of services	27, 31
(9) What they leave behind	12
 B: Residents' Attitudes	
(1) To visiting hunter generally	15, 16, 17, 22, 23, 25
(2) To American hunters	18, 29, 32, 33, 34, 36
(3) To campers	25
(4) About regulations	30, 35
(5) To the overall situation; desire for changes	44
 C: Subsample Measures	
(1) By Socio-economic standing*	39, 41, 42, 43
(2) By length of residence	1
(3) By relation to hunter	5, 6
(4) By hunting behaviour	3, 4
(5) By age	38
(6) By sex	37
(7) By marital status	40
(8) Landowners	2

\* Socio-economic standing has been defined based on occupation classification, family size, income, and education. Each item is rated; the sum gives a crude measure of this variable for initial analysis and cross-tabulation (see the computer program below).

## The Computer Program

A computer program, written in SPSS<sup>1</sup>, has been prepared to perform the initial analysis tasks. The output produced will include:

- (1) frequency distribution of responses for each question; the average response; and the number of missing observations; and
- (2) cross-tabulation tables for selected variables, showing, for example, how responses to questions differed for respondents of different socio-economic standing. The contingency coefficient, given with each table, gives a measure of the significance of these different groupings. Subsamples that will be tested in this way are those based on length of residence, landownership, hunting behaviour, relation to hunters, socio-economic standing, and the desire to see changes in the current situation.

The program, including control cards for the University of Saskatchewan Computer Center, as well as a sample of the output formats, is shown in Appendix 3.

## B. The Hunter: Variables, Questionnaire, and Analysis.

### I. Variables

Based on the proposal, the following groups of variables were deemed to be important:

- (1) Why he chooses to hunt geese in Kindersley.
- (2) How much time and money is devoted to this hunting.
- (3) How this time and money is allocated within the region, the province, and the rest of Canada; and

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<sup>1</sup> Statistical Package for the Social Sciences, by Nie, Bent, and Hull, McGraw-Hill, 1970.

(4) Demographic profiles on who he is, where he comes from, socio-economic standing, etc.

The original proposal also included consideration of the respondent's overall hunting activities but it was found to be impractical to include all these variables in a single questionnaire. Some of these questions that were deleted in the interests of insuring questionnaire returns are included in Appendix .

The specific variables that the questionnaire will measure fall into five major categories, corresponding closely to the groups of variables derived from the proposal:

- (1) Participation, preferences, and satisfaction;
- (2) Activities while on a goose hunting trip;
- (3) Expenses (where and on what);
- (4) Readiness to spend (demand estimates);
- (5) Profiles.

These are explored in more detail in Table 2.

One important qualification should be noted. The objective of the study design is to measure the economic input of the goose hunter into the local economy. The interest is in determining the effect of this spending on the local economy. It is not in any way intended to provide a measure reflecting the value of the resource. It would be presumptuous to state that the money spent by visiting hunters on food, lodging, gas, equipment, and services is equal to the value of the goose resource in western Saskatchewan. The measurement of the cash flow generated in the region as a result of a plentiful supply of geese is a more realistic approach and this is the measurement the hunter questionnaire will try to establish.

## II. The Questionnaire

As in the resident questionnaire, a self-sealing, self-addressed format with a map of the Kindersley region as the front cover is recommended (see Appendix 2).

These questionnaires will have to be precoded prior to mailing in order to determine the place of origin of the respondent and the distance he had to travel to get to the Kindersley region. The format is as follows:

Column 1:	<u>Distance travelled</u>	<u>Value</u>
	0-50 miles	1
	50-200 "	2
	200-500 "	3
	500-1,000 "	4
	Over 1,000	5
Column 2:	<u>Place of Origin</u>	<u>Value</u>
	Kindersley region	1
	Saskatchewan	2
	Canada	3
	U. S. A.	4
	Other	5



The Canadian Wildlife Service is undertaking a study of Saskatchewan goose hunters in order to determine their needs, demands, and influence in the popular goose hunting regions of the province.

We are interested in finding out your views on goose hunting in the province and in your activities while on a goose hunting trip or outing. The results will be used as an input to improve the management of this wildlife resource and will give us a better knowledge of the services and facilities which you use in the region.

In the interests of maintaining and improving the quality of Saskatchewan hunting we strongly encourage you to complete and return this questionnaire.

Your name has been selected at random from those holding Saskatchewan bird hunting licenses in 1972. All returned questionnaires are strictly confidential and will be used for statistical purposes only.

Your answers and comments will be greatly appreciated. Please answer all questions. Feel free to use the space at the end for comments.

Thank you for your cooperation.

- (1) Assuming a "hunting day" to be any day in which you spent one or more hours hunting, about how many days did you spend hunting any form of game (waterfowl, upland, big game, etc.) last year?

\_\_\_\_\_ days.

3,4

- (2) About how many of those days were spent hunting in Saskatchewan? (any game).

\_\_\_\_\_ days.

5,6

- (3) About how many days did you spend hunting geese in Saskatchewan last year?

\_\_\_\_\_ days.

7,8

- (4) If you hunted geese in Saskatchewan last year, was it mainly in (check one):

9

\_\_\_\_\_ Provincial Game Management Zone #12 (see map on front cover).

\_\_\_\_\_ Provincial Game Management Zone #13 (see map on front cover).

\_\_\_\_\_ Another Zone. Which one? #\_\_\_\_\_.

\_\_\_\_\_ I did not hunt geese in Saskatchewan last year.

- (5) In how many out of the last 10 years have you hunted geese in zone 12 or zone 13?

10

\_\_\_\_\_ Years. (If you have not hunted geese in these zones, go to question #3b. Even though you will be leaving most of this questionnaire blank it is important that you return the questionnaire).



(7) When you hunt geese how many are normally in your party (including yourself)?

22

\_\_\_\_\_ Hunters.

(8) Do you normally hunt geese with the same hunting companions from year to year?

23

\_\_\_\_\_ Yes

\_\_\_\_\_ No

(9) The last time you hunted geese in Saskatchewan, how did you get from your place of residence to the hunting region? (check one).

24

\_\_\_\_\_ Camper, trailer, or other live-in vehicle.

\_\_\_\_\_ Jeep or other non live-in vehicle used mainly for hunting and outdoor recreation.

\_\_\_\_\_ Car, truck or other non live-in vehicle that is used regular throughout the year.

\_\_\_\_\_ Airplane or other commercial transport vehicle.

\_\_\_\_\_ Other. Please specify \_\_\_\_\_

(10) While in the hunting region how did you get around? (check one).

25

\_\_\_\_\_ In the same vehicle that was used to get to the hunting region.

\_\_\_\_\_ In an extra vehicle that was carried or towed.

\_\_\_\_\_ In a rented vehicle.

\_\_\_\_\_ In a borrowed vehicle or with a local resident.

\_\_\_\_\_ Other. Please specify \_\_\_\_\_

(11) Approximately how many miles did you travel, in total, while in the hunting region? (check one).

26

\_\_\_\_\_ 0-50 miles

\_\_\_\_\_ 50-200 miles

\_\_\_\_\_ 200-500 miles

\_\_\_\_\_ 500-1,000 miles

\_\_\_\_\_ More than 1,000 miles.

(12) While goose hunting do you reside at: (check one).

27

- Hotel or motel.
- Tent or trailer.
- Friend or relatives.
- Your own residence.
- Other. Please specify \_\_\_\_\_

(13) While on a goose hunting trip or outing do you eat most of your meals: (check one)

28

- At home.
- At a cafe or restaurant.
- At camp cooking own meals.
- With friends in their residence.
- Other. Please specify \_\_\_\_\_

(14) After goose hunting in the morning hours how do you usually spend the afternoon? (check one)

29

- Hunt ducks.
- Hunt upland game birds.
- Rest and spot geese.
- Work
- Other activities. Please specify (generally) \_\_\_\_\_

(15) If you could be guaranteed a place to hunt geese (with fewer than 10 hunters per quarter section) how much would you be willing to pay for this privilege for one morning hunt? (check one)

30

- Unwilling to pay any more than presently.
- Up to \$1.00.
- \$1.00 to \$3.00.
- \$3.00 to \$5.00.
- More than \$5.00. Please specify \_\_\_\_\_

(16) Please complete the following table of expenses according to your best estimate of the amount you spent (or your share of the hunting party's expenses) for last year's goose hunting in Saskatchewan.

<u>ITEM</u>	<u>COST</u>	<u>Place of Purchase (check one for each category).</u>			
		Hunting region	Elsewhere in Saskatchewan	Elsewhere in Canada	Elsewhere
(a) Ammunition		0	0	0	0
(b) Clothing		0	0	0	0
(c) Equipment rental		0	0	0	0
(d) Lodging		0	0	0	0
(e) Food and drink		0	0	0	0
(f) Licenses		0	0	0	0
(g) Private transportation (gas, oil, etc.)		0	0	0	0
(h) Commercial transportation		0	0	0	0
(i) Services (circle those used: guiding, plucking, access fees, lockers, tips and gifts)		0	0	0	0
(j) Guns (if bought in 1972)		0	0	0	0
(k) Dogs (include purchase if bought in 1972)		0	0	0	0
(l) Accessories and field equipment bought in 1972		0	0	0	0
(m) Living and camping equipment bought in 1972		0	0	0	0
(n) Vehicle (if bought in 1972)		0	0	0	0
(o) Other. Please specify _____		0	0	0	0

(17) If the overall cost of a goose hunting trip to Saskatchewan were to decrease I would probably: (check one).

31

\_\_\_\_\_ Do the same as always.

\_\_\_\_\_ Return to the same region for a longer period.

\_\_\_\_\_ Purchase better supplies, equipment, or services.

\_\_\_\_\_ Use the saving for other purposes.

\_\_\_\_\_ Other. Please specify \_\_\_\_\_

(18) If the overall cost of a goose hunting trip to Saskatchewan were to increase, I would probably: (check one).

32

\_\_\_\_\_ Do the same as always.

\_\_\_\_\_ Decide to hunt geese elsewhere.

\_\_\_\_\_ Continue to hunt geese in the same region but for a shorter period.

\_\_\_\_\_ Stop hunting other game in order to continue to hunt geese.

\_\_\_\_\_ Other. Please specify \_\_\_\_\_









## STATISTICAL INFORMATION

REMEMBER ALL ANSWERS ARE CONFIDENTIAL AND ARE USED FOR STATISTICAL PURPOSES ONLY.

- (36) Sex: \_\_\_\_\_ M \_\_\_\_\_ F. 66
- (37) Age: \_\_\_\_\_ Years. 67,68
- (38) Occupation: \_\_\_\_\_ 69
- (39) In my last full year of work I had \_\_\_\_\_ days of vacation; I spent \_\_\_\_\_ of my vacation days hunting. 70,71  
72,73
- (40) Marital status: \_\_\_\_\_ Single \_\_\_\_\_ Married \_\_\_\_\_ Other 74
- (41) Including yourself and your spouse, how many persons in your family are living at home? 75,76  
\_\_\_\_\_ Persons.
- (42) Education. Please circle highest year completed. 77,78  
No formal education \_\_\_\_\_.
- |                  |   |    |    |    |    |   |   |   |
|------------------|---|----|----|----|----|---|---|---|
| Public school    | 1 | 2  | 3  | 4  | 5  | 6 | 7 | 8 |
| High school      | 9 | 10 | 11 | 12 | 13 |   |   |   |
| University       | 1 | 2  | 3  | 4  | 5  | 6 | 7 | 8 |
| Technical school | 1 | 2  | 3  | 4  |    |   |   |   |
- (43) What is your approximate total yearly income from all sources? 79  
\_\_\_\_\_ \$0-\$5,000.  
\_\_\_\_\_ \$5,000-\$7,000.  
\_\_\_\_\_ \$7,500-\$10,000.  
\_\_\_\_\_ \$10,000-\$15,000.  
\_\_\_\_\_ More than \$15,000.

(44) Are there any changes you would like to see in the goose hunting situation (facilities, services, regulations, etc.) in Saskatchewan?

\_\_\_\_\_ No

\_\_\_\_\_ Yes

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

THANK YOU VERY MUCH FOR YOUR COOPERATION IN COMPLETING AND RETURNING THIS QUESTIONNAIRE.

### III. Analysis

Returned questionnaires can be transcribed directly onto computer cards with two exceptions:

(1) As in the resident questionnaire, occupations (question #38) must be categorized into Managerial, White collar, Farmer, Blue collar, and Other.

(2) The table of expenses, question #16, will have to be transcribed onto coding forms before keypunching. The first four columns have been left blank should this space be needed to facilitate keeping together the two data cards for each respondent. The coding format is shown below.

Table 2 lists the specific variables and the questions that will give measures of them; the categorization follows the grouping of variables listed earlier.

Table 2. The Hunter Questionnaire: Variables Measured

A. Participation, Preference, Satisfaction	Question Number(s)
(1) Participation - in hunting and goose hunting	1, 2, 3, 39
(2) Preference - for geese and species	1, 2, 3, 6
(3) Satisfaction - intention	19, 20,
- perceived quality	21, 35
- psychological satisfactions	29, 30
- with rules and regulations	23, 24, 25, 25, 27, 28
- with region and people in region	26, 28, 31, 32, 33, 34
- generally - desire for changes	44
B. Activities while on a goose hunting trip	
(1) Party make-up	7, 8
(2) Transportation and accommodation	9, 10, 11, 12
(3) Afternoon activities	14



Table 2 Cont'd.

C. Expenses	Question Number(s)
(1) Items, cost, place of purchase	16
(2) Mode of travel - to region	9
- in region	10
(3) Miles travelled- to region	(precoded)
- in region	11
(4) Accommodation	12
(5) Meals	13
D. Readiness to Spend	
(1) For guaranteed hunting place	15
(2) Generally	17, 18
E. Profile	
(1) Place of origin	(precoded)
(2) Socio-economic standing*	38, 41, 42, 43
(3) Age, sex, marital status	36, 37, 40

\* Socio-economic standing is defined and measured as in the resident questionnaire.

## The Computer Program

A computer program has been prepared to perform the initial analysis tasks. It is much like the program for analysis of the resident questionnaire; the output will consist of both frequency distributions of responses and selected cross-tabulations. Only those respondents who hunted geese in Kindersley this year will be included in the analysis. Cross-tabulations will be based on: distance travelled to the region; place of origin; number of days spent hunting geese last year; frequency of goose-hunting in Kindersley over the last 10 years; total cost of last year's hunting in Saskatchewan; and socio-economic standing.

The output formats will be as in the resident questionnaire; sample outputs and a program listing are shown in Appendix 4.

## Summary and Conclusion

The proposed research design will be the first of its kind in Saskatchewan and as far as can be determined, in Canada or the U. S. As such it serves two purposes:

- (1) To provide useful information concerning the economic and social impact of a resource to a region; and
- (2) To generate further questions and refinements of design for use in future studies of these issues in Kindersley and elsewhere.

The framework of this design provides a starting point for these processes; undoubtedly some, though certainly not all, of the questions will provide valuable information for wildlife management personnel in both the Canadian Wildlife Service and the Provincial Department of Natural Resources. This report was developed from a pragmatic point of view, i.e., the intent is to provide a package ready for implementation,

as opposed to the first phase of the project which was entirely theoretical and lacked direct practical value. The result sought, as stated in the initial project proposal, is, therefore, ". . . a research design for administration by the Canadian Wildlife Service. With the exception of interpreting the results, the application of this project design itself will be simply an administrative task".

This result has been achieved and early implementation is encouraged.

(16) Please complete the following table of expenses according to your best estimate of the amount you spent (or your share of the hunting party's expenses) for last year's goose hunting in Saskatchewan.

<u>ITEM</u>	<u>COST</u>	<u>Place of Purchase (check one for each category).</u>				
		Hunting region	Elsewhere in Saskatchewan	Elsewhere in Canada	Elsewhere	
	Cols.					
(a) Ammunition	4-9	0	0	0	0	65
(b) Clothing	9-12	0	0	0	0	66
(c) Equipment rental	13-16	0	0	0	0	67
(d) Lodging	17-20	0	0	0	0	68
(e) Food and drink	21-24	0	0	0	0	69
(f) Licenses	25-28	0	0	0	0	70
(g) Private transportation (gas, oil, etc.)	29-32	0	0	0	0	71
(h) Commercial transportation	33-36	0	0	0	0	72
(i) Services (circle those used: guiding, plucking, access fees, lockers, tips and gifts)	37-40	0	0	0	0	73
(j) Guns (if bought in 1972)	41-44	0	0	0	0	74
(k) Dogs (include purchase if bought in 1972)	45-48	0	0	0	0	75
(l) Accessories and field equipment bought in 1972	49-52	0	0	0	0	76
(m) Living and camping equipment bought in 1972	53-56	0	0	0	0	77
(n) Vehicle (if bought in 1972)	57-60	0	0	0	0	78
(o) Other. Please specify	61-64	0	0	0	0	79

Appendix 1: Sample Selection

1) The Kindersley resident mail sample:

Assuming a 20% rate of return on mailed questionnaires (based on recent C.W.S. experience) and a required minimum of 100 usable returns for statistical analysis, 500 addresses will be selected at random from Post Office Directories.

2) The Kindersley merchant interview sample:

Since there is no available means of identifying the population which provides services for the goose hunters, this sample will have to be selected by the investigation of the interviewer while in the region. Although this procedure is limited by the time and resources available, it is recommended that all hunting services be covered in all the important centers of the region.

3) The Hunter

The source of addresses for the hunter sample is the provincial records of Provincial Game Bird license holders. Several assumptions had to be made in determining how many should be mailed out to ensure a minimum of 100 usable returns. As in the resident sample, a 20% response rate was assumed. Of all those holding Provincial Game Bird licenses, however, the province estimates that 10% do not hunt geese. Furthermore, it is assumed that 50% of those who hunt geese in Saskatchewan do not hunt in the Kindersley region. Thus there must be 1100 questionnaires mailed out to ensure 100 usable returns. (See below.)

Initial mailing:	1100	
Returns (20%)	220	
less: Non-Kindersley hunters (50%)	<u>110</u>	110
less: Non-geese hunters (10%)		<u>10</u>
Usable responses:		<u>100</u>

INSTITUTE FOR NORTHERN STUDIES  
UNIVERSITY OF SASKATCHEWAN  
**BIRD MANAGEMENT  
RESEARCH PROJECT**



Whether you LIKE, DISLIKE, or are INDIFFERENT TO the many birds in Saskatchewan we need to know YOUR feelings about engaging in certain recreation activities that focus on birds. This information will be used to advise governments on how they should manage this important natural resource on the prairies.

Photograph by of David Hill from the Saskatchewan Birdwatcher's Association

Appendix 3: Computer Program and Output for Residents



NAME KINDERSELEY PROJECT - RESIDENT QUESTIONNAIRE  
 VARIABLE LIST RESIDENCE, OWNLAND, HUNTDAYS, HUNTIS, RELATION, SERVICES, LUCORIG, SASORIG, CANORIG, USORIGIN, CAMPER, JEEP, CAR, PLANE, OTHER1, SAME, EXTRA, RENTED, BORROW, OTHER2, HOTEL, TENT, FRIEND, HOME, OTHER3, FOOD, TRANSP, EQUIPT, FEES, OTHSERV, MISC, REMAINS, DISTANCE, EQUIP, EQUALS, FEWERH, VHRESP, AMCONTRL, VHSIN, VHRETURN, GHPOORER, NLEQUALS, VHALIKE, VHSIMP, CAMPERSN, HFRIENDLY, VHPURCH, GHGOOD, SPOTAM, ENFORCET, MUREBUS, USGS, USNATTIT, SAVEFLD, ACCESSUK, AMLIMIT, SEX, AGE, OCCUPN, MARITAL, FAMILY, EDUCATN, INCOME, CHANGES

INPUT FORMAT FIXED (2F1.0, F2.0, 53F1.0, A1, F2.0, 2A1, F2.0, A2, 2F1.0)  
 DURING INDEFINITE REPETITION, THE INPUT FORMAT PROVIDES FOR 64 VARIABLES. 64 WILL BE READ.  
 PROVIDES FOR 1 RECORDS ('CARDS') PER CASE. A MAXIMUM OF 68 'COLUMNS' ARE USED ON A RECORD

INPUT FORMATS SEX, OCCUPN, MARITAL, EDUCATN(A)  
 # OF CASES 10  
 INPUT MEDIUM CARD  
 VALUE LABELS RESIDENCE (1) >20 YRS, BORN (2) >20 YRS (3) 10-20 YR (4) 5-10 YR (5) 0-5 YRS/  
 OWNLAND (1) YES (2) NO/  
 HUNTIS (1) SPORT (2) FOOD (3) COMPANIONSHIP (4) HABIT (5) OTHER R/  
 RELATION (1) SOME INCOME (2) MUCH INCOME (3) CONTACT (4) NOTHING (5) OTHER R/  
 SERVICES (1) NONE (2) FOOD OR LODGING (3) VEHICLE (4) SUPPLIES (5) OTHER S/  
 LUCORIG TO MISC (1) 0-10% (2) 10-20% (3) 20-30% (4) >30% (5) DON'T KNOW/  
 REMAINS (1) MONEY (2) BAD (3) GOOD (4) OTHER R/  
 DISTANCE TO AMLIMIT (1) DISAGREE STRONGLY (2) DISAGREE (3) DISAGREE SLIGHTLY (4) INDIFFERENT (5) AGREE SLIGHTLY (6) AGREE (7) AGREE STRONGLY/  
 SEX ('M') MALE ('F') FEMALE/  
 OCCUPN ('M') MANAGER ('W') WHITE COLLAR ('B') BLUE COLLAR ('F') FARMER ('O') OTHER/  
 MARITAL ('S') SINGLE ('M') MARRIED ('O') OTHER/  
 INCOME (1) 0-\$5,000 (2) \$5,000-\$7,500 (3) \$7,500-\$10,000 (4) \$10,000-\$15,000 (5) OVER \$15,000/  
 CHANGES (1) NO (2) YES

MISSING VALUES RESIDENCE TO CHANGES (0)  
 ORIGINALS RESIDENCE TO CHANGES  
 STATISTICS # 1  
 READ INPUT DATA 2

CODE OCCUPN ('M'=4) ('W', 'F'=3) ('B'=2) ('O'=1) (CONVERT) /  
 FAMILY (1, 2=4) (2, 3, 4=3) (4, 5, 6=2) (6 THRU HIGHEST =1) /  
 EDUCATN ('NO'=1) ('01', '02', '03', '04', '05', '06', '07', '08'=2) ('09', '10', '11', '12', '13'=3) ('11', '12', '13', '14'=4) ('01', '02', '03'=5) ('04'=6) ('05', '06', '07', '08'=7) (CONVERT) /  
 INCOME (3=4) (4=6) (5=8)

INPUT: SES= OCCUPN + FAMILY + EDUCATN + INCOME  
 CODE HUNTDAYS (0=0) (1 THRU 4=1) (4 THRU 8=2) (10 THRU HIGHEST=3)  
 DSSTAB RESIDENCE, OWNLAND, HUNTDAYS, RELATION, SES, CHANGES BY HUNTIS, SERVICES TO AMLIMIT  
 STATISTICS 2

WISH  
 The number of cases being input as data must be specified on the # of cases card.  
 The input data follows the READ INPUT DATA card. The number of cards of input data must be the same as the number specified on the # of cases card.



FILE NAME (CREATION DATE = 08/25/72)

\*\*\*\*\* C R O S S T A B U L A T I O N O F  
 RESIDENCE BY HUNTIS  
 \*\*\*\*\*

PAGE 1 OF 1

		HUNTIS					
RESIDENCE	COUNT	SPORT	HABIT				ROW TOTAL
	ROW PCT	ISPORT					
	COL PCT						
	TOT PCT	1.001	4.001	6.001			
>20 YRS, BORN	1.00	0	2	0			2
		0.0	100.0	0.0			25.0
		0.0	50.0	0.0			
		0.0	25.0	0.0			
10-20 YR	3.00	2	0	2			4
		50.0	0.0	50.0			50.0
		100.0	0.0	100.0			
		25.0	0.0	25.0			
0-5 YRS	5.00	0	2	0			2
		0.0	100.0	0.0			25.0
		0.0	50.0	0.0			
		0.0	25.0	0.0			
	COLUMN	2	4	2			8
	TOTAL	25.0	50.0	25.0			100.0

CHI SQUARE = \_\_\_\_\_ WITH \_\_\_\_\_ DEGREES OF FREEDOM

NUMBER OF MISSING OBSERVATIONS = 2

- responses to question # 4 - HUNTIS, based on responses to question # 1- OWNLAND

FILE NONAME (CREATION DATE = 08/25/72)

\*\*\*\*\* C R O S S T A B U L A T I O N O F  
 RESIDENCE BY SERVICES  
 \*\*\*\*\* PAGE 1 OF 1

RESIDENCE	SERVICES					ROW TOTAL
	COUNT	INONE	FOOD OR LODGING	VEHICLE	SUPPLIES	
	ROW PCT	COL PCT	TOT PCT	ROW PCT	COL PCT	
	TOT PCT	INONE	FOOD OR LODGING	VEHICLE	SUPPLIES	
	1.00	2	0	0	0	2
>20 YRS, BORN	100.0	100.0	0.0	0.0	0.0	20.0
	20.0	20.0	0.0	0.0	0.0	
	3.00	0	2	0	2	4
10-20 YR	0.0	50.0	50.0	0.0	100.0	40.0
	0.0	50.0	20.0	0.0	20.0	
	4.00	0	2	0	0	2
5-10 YR	0.0	100.0	0.0	0.0	0.0	20.0
	0.0	50.0	0.0	0.0	0.0	
	0.0	20.0	0.0	0.0	0.0	
	5.00	0	0	2	0	2
0-5 YRS	0.0	0.0	100.0	0.0	0.0	20.0
	0.0	0.0	100.0	0.0	0.0	
	0.0	0.0	20.0	0.0	0.0	
COLUMN TOTAL	2	4	2	2	10	
	20.0	40.0	20.0	20.0	100.0	

CHI SQUARE = WITH DEGREES OF FREEDOM

- responses to question # 6 - services based on response to question # 1 - RESIDENCE
- and so on, through all questions based on responses to question # 1 - length of of RESIDENCE;
- Then based on land ownership, and so on (not shown here).

FILE NONAME (CREATION DATE = 08/25/72)

VARIABLE , OWNLAND

CODE	1.00	2.00
ABSOLUTE FREQUENCY	4	6
RELATIVE FREQUENCY (PERCENT)	40.0	60.0
CUMULATIVE FREQUENCY (PERCENT)	40.0	100.0

DESIRED STATISTICS..

MEAN 1.600

VALID OBSERVATIONS -	10	
MISSING OBSERVATIONS -	0	OR 0.0 PERCENT OF TOTAL

- responses to question # 2 - OWNLAND

- continues through to question # 44

NONAME (CREATION DATE = 08/25/72)

TABLE RESDENCE

MODE	1.00	3.00	4.00	5.00
ABSOLUTE FREQUENCY	2	4	2	2
RELATIVE FREQUENCY (PERCENT)	20.0	40.0	20.0	20.0
CUMULATIVE FREQUENCY (PERCENT)	20.0	60.0	80.0	100.0

WANTED STATISTICS..

MEAN 3.200

VALID OBSERVATIONS - 10  
 MISSING OBSERVATIONS - 0 OR 0.0 PERCENT OF TOTAL

- Responses to question # 1, RESDENCE

Appendix 4:    Computer Program for Hunter Questionnaire

Deck Set-up

```
//    Job Card  
//    EXEC SPSS, PARM=120000, REGION=260K  
//    SYSIN DD *  
      SPSS job declc  
/ *
```

KINDERSELEY PROJECT - HUNTER QUESTIONNAIRE

THE VARIABLE NAMES CORRESPOND TO QUESTION NUMBERS EXCEPT FOR DISTTO (DISTANCE TRAVELLED TO ZONES 12 13) AND ORIGIN (PLACE OF ORIGIN), WHICH HAVE BEEN PRECODED.

- DISTTO, ORIGIN, V01, V02, V03, V04, V05, V06A, V06B, V06C, V06D, V06E, V06F, V06G, V06H, V06I, V06J, V07, V08, V09, V10, V11, V12, V13, V14, V15, V17, V18, V19A, V19B, V19C, V19D, V19E, V19F, V19G, V19HA, V19H, V20A, V20B, V20C, V20D, V20E, V20F, V20G, V20HA, V20H, V21, V22, V23, V24, V25, V26, V27, V28, V29, V30, V31, V32, V33, V34, V35, V36, V37, V38, V39A, V39B, V40, V41, V42, V43, V44, V16AS, V16BS, V16CS, V16DS, V16ES, V16FS, V16GS, V16HS, V16IS, V16JS, V16KS, V16LS, V16MS, V16OS, V16NS, V16P, V16BP, V16CP, V16DP, V16EP, V16FP, V16GP, V16HP, V16IP, V16JP, V16LP, V16MP, V16OP, V16NP

FIXED (2F1.0, 3F2.0, 58F1.0, F2.0, A1, 2F2.0, F1.0, F2.0, A2, 2F1.0/4X, 15F4.0, 15F1.0)

THE INPUT FORMAT PROVIDES FOR 102 VARIABLE. 102 WILL BE READ. (RECORDS) PER CASE. A MAXIMUM OF 80 COLUMNS ARE USED ON A RECORD.

ATS V38, V42 (A) 10 the no. of cases must be specified here.

- DM CARD
- DISTTO, DISTANCE TRAVELLED TO REGION/
- ORIGIN, PLACE OF ORIGIN/
- V01, TOTAL HUNTING DAYS/
- V02, HUNTING DAYS IN SASK/
- V03, GOOSE HUNTING DAYS IN SASK/
- V04, GOOSE HUNTING ZONE LAST YEAR/
- V05, NO. OF LAST 10 YRS IN ZONES 12 + 13/
- V06A, DUCK PREFERENCE/
- V06B, GOOSE PREFERENCE/
- V06C, ROSS GEESSE PREFERENCE/
- V06D, SPECKLEBELLY PREFERENCE/
- V06E, SNOW GOOSE PREFERENCE/
- V06F, SMALL CANADA PREFERENCE/
- V06G, LARGE CANADA PREFERENCE/
- V06H, UPLAND BIRD PREFERENCE/
- V06I, BIG GAME PREFERENCE/
- V06J, OTHER/
- V07, SIZE OF PARTY/
- V08, SAME PARTY ?/
- V09, MODE OF TRAVEL -TO REGION/
- V10, MODE OF TRAVEL -IN REGION/
- V11, MILES OF TRAVEL -IN REGION/
- V12, RESIDENCE IN REGION/
- V13, EATING IN REGION/
- V14, AFTERNOON ACTIVITIES/
- V15, VALUE OF GUARANTEED HUNTING PLACE/
- V17, EFFECT OF COST DECREASE/
- V18, EFFECT OF COST INCREASE/
- V19A, PLAN TO RETURN - SUCCESS IN PAST/
- V19B, PLAN TO RETURN - ENJOYS REGION/
- V19C, PLAN TO RETURN - MOST CONVENIENT/
- V19D, PLAN TO RETURN - PARTNERS PREFERENCE/



STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES, VERSION OF 02/01/72

RUN NAME	KINDERSELEY PROJECT - HUNTER QUESTIONNAIRE
COMMENT	THE VARIABLE NAMES CURKRESPOND TO QUESTIN
VARIABLE LIST	DISTTO (DISTANCE TRAVELLED TO ZONES 12 ORIGIN), WHICH HAVE BEEN PRECODED. DISTTO, ORIGIN, V01, V02, V03, V04, V05, V06A, 0 V06G, V06H, V06I, V6J, V06J, V07, V08, V09, V10V V18, V19A, V19B, V19C, V19D, V19E, V19F, V19G, V V20D, V20E, V20F, V20G, V20HA, V20H, V21, V22, 2 V29, V30, V31, V32, V33, V34, V35, V36, V37, V38V V43, V44, V16AS, V16BS, V16CS, V16DS, V16ES, V6 V16JS, V16KS, V16LS, V16MS, V16DS, V16NS, V16P V16EP, V16FP, V16GP, V16HP, V16IP, V16JP, V16P V16NP
INPUT FORMAT	FIXED (2F1.0, 3F2.0, 58F1.0, F2.0, A1, 2F2.0 F 2F1.0/4X, 15F4.0, 15F1.0)

IGNORING INDEFINITE REPETITION, THE INPUT FORMAT PROVIDES FOR 102 VARIABLE.  
IT PROVIDES FOR 2 RECORDS ('CARDS') PER CASE. A MAXIMUM OF 80 'COLUMNS'

PRINT FORMATS	V38, V42 (A)
# OF CASES	10 <del>1</del> <i>the no. of cases must be</i>
INPUT MEDIUM	CARD
VAR LABELS	DISTTO, DISTANCE TRAVELLED TO REGION/ ORIGIN, PLACE OF ORIGIN/ V01, TOTAL HUNTING DAYS/ V02, HUNTING DAYS IN SASK/ V03, GOOSE HUNTING DAYS IN SASK/ V04, GOOSE HUNTING ZONE LAST YEAR/ V05, NO. OF LAST 10 YRS IN ZONES 12 + 13/ V06A, DUCK PREFERENCE/ V06B, GOOSE PREFERENCE/ V06C, ROSS GEESSE PREFERENCE/ V06D, SPECKLEBELLY PREFERENCE/ V06E, SNOW GOOSE PREFERENCE/ V06F, SMALL CANADA PREFERENCE/ V06G, LARGE CANADA PREFERENCE/ V06H, UPLAND BIRD PREFERENCE/ V06I, BIG GAME PREFERENCE/ V06J, OTHER/ V07, SIZE OF PARTY/ V08, SAME PARTY ?/ V09, MODE OF TRAVEL -TO REGION/ V10, MODE OF TRAVEL -IN REGION/ V11, MILES OF TRAVEL -IN REGION/ V12, RESIDENCE IN REGION/ V13, EATING IN REGION/ V14, AFTERNOON ACTIVITIES/ V15, VALUE OF GUARANTEED HUNTING PLACE/ V17, EFFECT OF COST DECREASE/ V18, EFFECT OF COST INCREASE/ V19A, PLAN TO RETURN - SUCCESS IN PAST/ V19B, PLAN TO RETURN - ENJOYS REGION/ V19C, PLAN TO RETURN - MUST CONVENIENT/ V19D, PLAN TO RETURN - PARTNERS PREFERENC

## ANNNAIRE

- V19E, PLAN TO RETURN - COST/
- V19F, PLAN TO RETURN - REGULATIONS BETTER/
- V19G, PLAN TO RETURN - LAND AVAILABILITY/
- V19H, PLAN TO RETURN - OTHER REASONS/
- V20A, DO NOT PLAN TO RETURN -UNSUCCESSFUL IN PAST/
- V20B, DO NOT PLAN TO RETURN -INADEQUATES SERVICES/
- V20C, DO NOT PLAN TO RETURN -PREFERS OTHER THINGS/
- V20D, DO NOT PLAN TO RETURN -WON'T BE ABLE TO/
- V20E, DO NOT PLAN TO RETURN -PEOPLE BAD/
- V20F, DO NOT PLAN TO RETURN -BETTER PLACE TO HUNT/
- V20G, DO NOT PLAN TO RETURN -REGULATIONS UNSATISFACTORY/
- V20H, DO NOT PLAN TO RETURN -OTHER REASONS/
- V21, QUALITY - MANY COME/
- V22, REGS - LIMITS INADEQUATE/
- V23, REGS - SEASON TOO LONG/
- V24, REGS - PITS/
- V25, REGS - MORN ONLY OK/
- V26, AREA - RESIDENT INPUT TO REGS/
- V27, REGS - TOO MANY OFFICERS/
- V28, REGS - ACCESS FEE OK/
- V29, SATISFACTION - COMPANIONS/
- V30, SATISFACTION - GETTING AWAY/
- V31, AREA - SERVICES AVAILABLE/
- V32, AREA -RESIDENTS FRIENDLY/
- V33, AREA -LANDOWNERS FRIENDLY/
- V34, AREA -MERCHANTS FRIENDLY/
- V35, QUALITY-GOOSE HUNTING POORER/
- V36, SEX/
- V37, AGE/
- V38, OCCUPATION/
- V39A, VACATION DAYS/
- V39B, HUNTING DAYS/
- V40, MARITAL STATUS/
- V41, FAMILY SIZE/
- V42, EDUCATION/
- V43, INCOME/
- V44, CHANGES IN SITUATION/
- V16AS, COST-AMMUNITION/
- V16BS, COST-CLOTHING/
- V16CS, COST-EQUIPMENT RENTAL/
- V16DS, COST-LODGING/
- V16ES, COST-FOOD & DRINK/
- V16FS, COST-LICENSES/
- V16GS, COST-PRIVATE TRANSPORT/
- V16HS, COST-CUMMERCIAL TRANSPORT/
- V16IS, COST-SERVICES/
- V16JS, COST-GUNS 1972 /
- V16KS, COST-DOGS/
- V16LS, COST-ACCESSORY EQUIPMENT/
- V16MS, COST-CAMPING EQUIPMENT/
- V16NS, COST-VEHICLE 1972 /
- V16AP, PLACE - AMMUNITION
- V16BP, PLACE - CLOTHING/
- V16CP, PLACE - EQUIPMENT RENTAL/



KINDERSELEY PROJECT - HUNTER QUESTIONNAIRE

V19E, PLAN TO RETURN - COST/  
 V19F, PLAN TO RETURN - REGULATIONS BETTE  
 V19G, PLAN TO RETURN - LAND AVAILABILITY  
 V19H, PLAN TO RETURN - OTHER REASONS/  
 V20A, DO NOT PLAN TO RETURN -UNSUCCESSFU  
 V20B, DO NOT PLAN TO RETURN -INADEQUATES  
 V20C, DO NOT PLAN TO RETURN -PREFERS OTH  
 V20D, DO NOT PLAN TO RETURN -WON'T BE AB  
 V20E, DO NOT PLAN TO RETURN -PEOPLE BAD/  
 V20F, DO NOT PLAN TO RETURN -BETTER PLAC  
 V20G, DO NOT PLAN TO RETURN -REGULATIONS  
 V20H, DO NOT PLAN TO RETURN -OTHER REASO  
 V21, QUALITY - MANY COME/  
 V22, REGS - LIMITS INADEQUATE/  
 V23, REGS - SEASON TOO LONG/  
 V24, REGS - PIIS/  
 V25, REGS - MORN ONLY OK/  
 V26, AREA - RESIDENT INPUT TO REGS/  
 V27, REGS - TOO MANY OFFICERS/  
 V28, REGS - ACCESS FEE OK/  
 V29, SATISFACTION - COMPANIONS/  
 V30, SATISFACTION - GETTING AWAY/  
 V31, AREA - SERVICES AVAILABLE/  
 V32, AREA -RESIDENTS FRIENDLY/  
 V33, AREA -LANDOWNERS FRIENDLY/  
 V34, AREA -MERCHANTS FRIENDLY/  
 V35, QUALITY-GOOSE HUNTING POORER/  
 V36, SEX/  
 V37, AGE/  
 V38, OCCUPATION/  
 V39A, VACATION DAYS/  
 V39B, HUNTING DAYS/  
 V40, MARITAL STATUS/  
 V41, FAMILY SIZE/  
 V42, EDUCATION/  
 V43, INCOME/  
 V44, CHANGES IN SITUATION/  
 V16AS, COST-AMMUNITION/  
 V16BS, COST-CLOTHING/  
 V16CS, COST-EQUIPMENT RENTAL/  
 V16DS, COST-LODGING/  
 V16ES, COST-FOOD & DRINK/  
 V16FS, COST-LICENSES/  
 V16GS, COST-PRIVATE TRANSPORT/  
 V16HS, COST-COMMERCIAL TRANSPORT/  
 V16IS, COST-SERVICES/  
 V16JS, COST-GUNS 1972 /  
 V16KS, COST-DOGS/  
 V16LS, COST-ACCESSORY EQUIPMENT/  
 V16MS, COST-CAMPING EQUIPMENT/  
 V16NS, COST-VEHICLE 1972 /  
 V16AP, PLACE - AMMUNITION  
 V16BP, PLACE - CLOTHING/  
 V16CP, PLACE - EQUIPMENT RENTAL/

NAIRE

- 6DP, PLACE - LODGING/
- 6EP, PLACE - FOOD & DRINK/
- 6FP, PLACE - LICENSES
- 6GP, PLACE - PRIVATE TRANSPORT/
- 6HP, PLACE - COMMERCIAL TRANSPORT/
- 6IP, PLACE - SERVICES/
- 6JP, PLACE - GUNS/
- 6KP, PLACE - DOGS/
- 6LP, PLACE - ACCESSORY EQUIPMENT/
- 6MP, PLACE - CAMPING EQUIPMENT/
- 6NP, PLACE - VEHICLE/

STTO (1) 0-50 MILES (2) 50-200 MILES (3) 200-500 MILES (4) >50 MILES/

GIN (1) LOCAL (2) SASK (3) CANADA (4) USA/

(1) ZONE 12 (2) ZONE 13 (3) OTHER ZONE (4) DIDN'T HUNT/

6A TO V06J (1) VERY UNIMP (2) QUITE UNIMP (3) SLIGHTLY UNIMP

INDIFF (5) SLIGHTLY IMP (6) QUITE IMP (7) VERY IMP/

(1) YES (2) NO/

(1) CAMPER (2) JEEP (3) CAR (4) PLANE (5) OTHER/

(1) SAME (2) EXTRA (3) RENTED (4) BORROW (5) OTHER/

(1) 0-50 MILES (2) 50-200 MILES (3) 500-1000 MILES (4) >1000 MILES/

(1) HOTEL (2) TENT (3) FRIEND (4) HOME (5) OTHER/

(1) HOME (2) CAFE (3) CAMP (4) FRIENDS (5) OTHER/

(1) DUCKS (2) UPLAND GAME (3) SPOT GEESSE (4) WORK (5) OTHER/

(1) NO MORE (2) TO \$1.00 (3) \$1 - \$3 (4) \$3 - \$5 (5) >\$5/

(1) NO EFFECT (2) LONGER HUNT (3) BETTER EQUIPT (4) OTHER PU  
SES (5) OTHER/

(1) NO EFFECT (2) HUNT ELSEWHERE (3) SHORTER HUNT (4) STOP

H GAME (5) OTHER/

6A TO V35 (1) DISAGREE STRONGLY (2) DISAGREE (3) DISAGREE SLIGHTL  
(4) INDIFFERENT (5) AGREE SLIGHTLY (6) AGREE (7) AGREE STRONGL

(1) MALE (2) FEMALE/

(1) M (2) W (3) B (4) F (5) F  
HER (6) O (7) OTHER

(1) SINGLE (2) MARRIED (3) OTHER/

(1) 0-\$5,000 (2) \$5,000-\$7,500 (3) \$7,500-\$10,000 (4) \$10,000-\$  
5,000 (5) >\$15,000/

(1) NO (2) YES/

6AP TO V16NP (1) HUNTING REGION (2) SASK (3) CANADA (4) ELSEWHER  
STTO TO V16NP (0)

IMPUTATION OF TOTAL COST IN 1972

T COST = V16AS + V16BS + V16CS + V16DS + V16ES + V16FS + V16GS  
V16HS + V16IS + V16JS + V16KS + V16LS + V16MS + V16NS

IMPUTATION OF SOCIOECONOMIC STANDING

(1) H=4 (2) W=3 (3) B=2 (4) O=1 (CONVERT)/

(1,2=4) (3,4=3) (5,6=2) (7 THRU HIGHEST=1) /

(1) NO=1 (2) O1=2 (3) O2=3 (4) O3=4 (5) O4=5 (6) O5=6 (7) O6=7 (8) O7=8 (9) O8=9 (10) O9=10 (11) O10=11 (12) O11=12 (13) O12=13 (14) O13=14 (15) O14=15 (16) O15=16 (17) O16=17 (18) O17=18 (19) O18=19 (20) O19=20 (21) O20=21 (22) O21=22 (23) O22=23 (24) O23=24 (25) O24=25 (26) O25=26 (27) O26=27 (28) O27=28 (29) O28=29 (30) O29=30 (31) O30=31 (32) O31=32 (33) O32=33 (34) O33=34 (35) O34=35 (36) O35=36 (37) O36=37 (38) O37=38 (39) O38=39 (40) O39=40 (41) O40=41 (42) O41=42 (43) O42=43 (44) O43=44 (45) O44=45 (46) O45=46 (47) O46=47 (48) O47=48 (49) O48=49 (50) O49=50 (51) O50=51 (52) O51=52 (53) O52=53 (54) O53=54 (55) O54=55 (56) O55=56 (57) O56=57 (58) O57=58 (59) O58=59 (60) O59=60 (61) O60=61 (62) O61=62 (63) O62=63 (64) O63=64 (65) O64=65 (66) O65=66 (67) O66=67 (68) O67=68 (69) O68=69 (70) O69=70 (71) O70=71 (72) O71=72 (73) O72=73 (74) O73=74 (75) O74=75 (76) O75=76 (77) O76=77 (78) O77=78 (79) O78=79 (80) O79=80 (81) O80=81 (82) O81=82 (83) O82=83 (84) O83=84 (85) O84=85 (86) O85=86 (87) O86=87 (88) O87=88 (89) O88=89 (90) O89=90 (91) O90=91 (92) O91=92 (93) O92=93 (94) O93=94 (95) O94=95 (96) O95=96 (97) O96=97 (98) O97=98 (99) O98=99 (100) O99=100 (101) O100=101 (102) O101=102 (103) O102=103 (104) O103=104 (105) O104=105 (106) O105=106 (107) O106=107 (108) O107=108 (109) O108=109 (110) O109=110 (111) O110=111 (112) O111=112 (113) O112=113 (114) O113=114 (115) O114=115 (116) O115=116 (117) O116=117 (118) O117=118 (119) O118=119 (120) O119=120 (121) O120=121 (122) O121=122 (123) O122=123 (124) O123=124 (125) O124=125 (126) O125=126 (127) O126=127 (128) O127=128 (129) O128=129 (130) O129=130 (131) O130=131 (132) O131=132 (133) O132=133 (134) O133=134 (135) O134=135 (136) O135=136 (137) O136=137 (138) O137=138 (139) O138=139 (140) O139=140 (141) O140=141 (142) O141=142 (143) O142=143 (144) O143=144 (145) O144=145 (146) O145=146 (147) O146=147 (148) O147=148 (149) O148=149 (150) O149=150 (151) O150=151 (152) O151=152 (153) O152=153 (154) O153=154 (155) O154=155 (156) O155=156 (157) O156=157 (158) O157=158 (159) O158=159 (160) O159=160 (161) O160=161 (162) O161=162 (163) O162=163 (164) O163=164 (165) O164=165 (166) O165=166 (167) O166=167 (168) O167=168 (169) O168=169 (170) O169=170 (171) O170=171 (172) O171=172 (173) O172=173 (174) O173=174 (175) O174=175 (176) O175=176 (177) O176=177 (178) O177=178 (179) O178=179 (180) O179=180 (181) O180=181 (182) O181=182 (183) O182=183 (184) O183=184 (185) O184=185 (186) O185=186 (187) O186=187 (188) O187=188 (189) O188=189 (190) O189=190 (191) O190=191 (192) O191=192 (193) O192=193 (194) O193=194 (195) O194=195 (196) O195=196 (197) O196=197 (198) O197=198 (199) O198=199 (200) O199=200 (201) O200=201 (202) O201=202 (203) O202=203 (204) O203=204 (205) O204=205 (206) O205=206 (207) O206=207 (208) O207=208 (209) O208=209 (210) O209=210 (211) O210=211 (212) O211=212 (213) O212=213 (214) O213=214 (215) O214=215 (216) O215=216 (217) O216=217 (218) O217=218 (219) O218=219 (220) O219=220 (221) O220=221 (222) O221=222 (223) O222=223 (224) O223=224 (225) O224=225 (226) O225=226 (227) O226=227 (228) O227=228 (229) O228=229 (230) O229=230 (231) O230=231 (232) O231=232 (233) O232=233 (234) O233=234 (235) O234=235 (236) O235=236 (237) O236=237 (238) O237=238 (239) O238=239 (240) O239=240 (241) O240=241 (242) O241=242 (243) O242=243 (244) O243=244 (245) O244=245 (246) O245=246 (247) O246=247 (248) O247=248 (249) O248=249 (250) O249=250 (251) O250=251 (252) O251=252 (253) O252=253 (254) O253=254 (255) O254=255 (256) O255=256 (257) O256=257 (258) O257=258 (259) O258=259 (260) O259=260 (261) O260=261 (262) O261=262 (263) O262=263 (264) O263=264 (265) O264=265 (266) O265=266 (267) O266=267 (268) O267=268 (269) O268=269 (270) O269=270 (271) O270=271 (272) O271=272 (273) O272=273 (274) O273=274 (275) O274=275 (276) O275=276 (277) O276=277 (278) O277=278 (279) O278=279 (280) O279=280 (281) O280=281 (282) O281=282 (283) O282=283 (284) O283=284 (285) O284=285 (286) O285=286 (287) O286=287 (288) 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(621) O620=621 (622) O621=622 (623) O622=623 (624) O623=624 (625) O624=625 (626) O625=626 (627) O626=627 (628) O627=628 (629) O628=629 (630) O629=630 (631) O630=631 (632) O631=632 (633) O632=633 (634) O633=634 (635) O634=635 (636) O635=636 (637) O636=637 (638) O637=638 (639) O638=639 (640) O639=640 (641) O640=641 (642) O641=642 (643) O642=643 (644) O643=644 (645) O644=645 (646) O645=646 (647) O646=647 (648) O647=648 (649) O648=649 (650) O649=650 (651) O650=651 (652) O651=652 (653) O652=653 (654) O653=654 (655) O654=655 (656) O655=656 (657) O656=657 (658) O657=658 (659) O658=659 (660) O659=660 (661) O660=661 (662) O661=662 (663) O662=663 (664) O663=664 (665) O664=665 (666) O665=666 (667) O666=667 (668) O667=668 (669) O668=669 (670) O669=670 (671) O670=671 (672) O671=672 (673) O672=673 (674) O673=674 (675) O674=675 (676) O675=676 (677) O676=677 (678) O677=678 (679) O678=679 (680) O679=680 (681) O680=681 (682) O681=682 (683) O682=683 (684) O683=684 (685) O684=685 (686) O685=686 (687) 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(754) O753=754 (755) O754=755 (756) O755=756 (757) O756=757 (758) O757=758 (759) O758=759 (760) O759=760 (761) O760=761 (762) O761=762 (763) O762=763 (764) O763=764 (765) O764=765 (766) O765=766 (767) O766=767 (768) O767=768 (769) O768=769 (770) O769=770 (771) O770=771 (772) O771=772 (773) O772=773 (774) O773=774 (775) O774=775 (776) O775=776 (777) O776=777 (778) O777=778 (779) O778=779 (780) O779=780 (781) O780=781 (782) O781=782 (783) O782=783 (784) O783=784 (785) O784=785 (786) O785=786 (787) O786=787 (788) O787=788 (789) O788=789 (790) O789=790 (791) O790=791 (792) O791=792 (793) O792=793 (794) O793=794 (795) O794=795 (796) O795=796 (797) O796=797 (798) O797=798 (799) O798=799 (800) O799=800 (801) O800=801 (802) O801=802 (803) O802=803 (804) O803=804 (805) O804=805 (806) O805=806 (807) O806=807 (808) O807=808 (809) O808=809 (810) O809=810 (811) O810=811 (812) O811=812 (813) O812=813 (814) O813=814 (815) O814=815 (816) O815=816 (817) O816=817 (818) O817

KINDERSELEY PROJECT - HUNTER QUESTIONNAIRE

VALUE LABELS

V16DP, PLACE - LODGING/  
 V16EP, PLACE - FOOD & DRINK/  
 V16FP, PLACE - LICENSES  
 V16GP, PLACE - PRIVATE TRANSPORT/  
 V16HP, PLACE - COMMERCIAL TRANSPORT/  
 V16IP, PLACE - SERVICES/  
 V16JP, PLACE - GUNS/  
 V16KP, PLACE - DOGS/  
 V16LP, PLACE - ACCESSORY EQUIPMENT/  
 V16MP, PLACE - CAMPING EQUIPMENT/  
 V16NP, PLACE - VEHICLE/  
 DISTTO (1) 0-50 MILES (2) 50-200 MILES  
 0 MILES/  
 ORIGIN (1) LOCAL (2) SASK (3) CANADA (4)  
 V04 (1) ZONE 12 (2) ZONE 13 (3) OTHER ZONE  
 V06A TO V06J (1) VERY UNIMP (2) QUITE  
 (4) INDIFF (5) SLIGHTLY IMP (6) QUITE IMP  
 V08 (1) YES (2) NO/  
 V09 (1) CAMPER (2) JEEP (3) CAR (4) PLANE  
 V10 (1) SAME (2) EXTRA (3) RENTED (4) BORR  
 V11 (1) 0-50 MILES (2) 50-200 MILES (3)  
 MILES/  
 V12 (1) HOTEL (2) TENT (3) FRIEND (4) HOM  
 V13 (1) HOME (2) CAFE (3) CAMP (4) FRIEND  
 V14 (1) DUCKS (2) UPLAND GAME (3) SPOT GE  
 V15 (1) NO MORE (2) TO \$1.00 (3) \$1 - \$3  
 V17 (1) NO EFFECT (2) LONGER HUNT (3) BET  
 RPOSES (5) OTHER/  
 V18 (1) NO EFFECT (2) HUNT ELSEWHERE (3)  
 OTH GAME (5) OTHER/  
 V19A TO V35 (1) DISAGREE STRONGLY (2) DISA  
 Y (4) INDIFFERENT (5) AGREE SLIGHTLY (6)  
 Y/  
 V36 (1) MALE (2) FEMALE/  
 V38 ('M') MANAGER ('W') WHITE COLLAR ('F'  
 ARMER ('O') OTHER  
 V40 (1) SINGLE (2) MARRIED (3) OTHER/  
 V43 (1) 0-\$5,000 (2) \$5,000-\$7,500 (3) \$7,  
 \$15,000 (5) >\$15,000/  
 V44 (1) NO (2) YES/  
 V16AP TO V16NP (1) HUNTING REGION (2) SAS  
 DISTTO TO V16NP (0)  
 COMPUTATION OF TOTAL COST IN 1972  
 TOTCOST= V16AS + V16BS + V16CS + V16DS +  
 +V16HS + V16IS +V16JS + V16KS + V16LS + V  
 COMPUTATION OF SOCIOECONOMIC STANDING  
 V38 ('H'=4) ('W', 'F'=3) ('B'=2) ('O'=1) (CONV  
 V41 (1,2=4) (3,4=3) (5,6=2) (7 THRU HIGHEST=  
 V42 ('NO'=1) ('01', '02', '03', '04', '05', '06'  
 '10', '11', '12', '13'=3) ('T1', 'T2', 'T3', 'T4'  
 ('U4'=6) ('U5', 'U6', 'U7', 'U8'=7) (CONVERT)  
 V43 (3=4) (4=6) (5=8)  
 SES=V38 + V41 + V42 + V43  
 V03 (1,2,3=1) (4,5,6=2) (7,8,9,10=3) (11 THRU

MISSING VALUES

COMMENT  
 COMPUTE

COMMENT  
 \*RECODE

\*COMPUTE  
 \*RECODE

V05 (1,2=1)(3,4,5=2)(6 THRU HIGHEST=3)/  
 V07 (1,2=1)(3,4,5=2)(6 THRU HIGHEST=3)/  
 TOTCOST (1 THRU 100=1)(100 THRU 500=2)(500 THRU 1000=3)  
 1000 THRU HIGHEST=4)  
 V03 (1) UP TO 3 DAYS (2) 3-6 DAYS (3) 7-10 DAYS (4) >10 DAYS/  
 V05 (1) UP TO 2 YRS (2) 3-5 YRS (3) >6 YRS/  
 V07 (1) UP TO 2 (2) 3-5 (3) >6 /  
 TOTCOST (1) UP TO \$100 (2) \$100-\$500 (3) \$500-\$1000 (4) >\$1000  
 CROSS TABULATION OF RESPONSES FOR KINDERSELEY GOOSE HUNTERS  
 V04 EQ 1 OR V04 EQ 2)  
 V05 (0 THRU 10=1)(11 THRU 15=2)(15 THRU 20=3)(20 THRU 25=4)  
 V05 (1) LOWER (2) MIDDLE (3) UPPER MIDDLE (4) UPPER  
 TOTCOST, SES BY V07 TO V35, V39B  
 DISTO, ORIGIN, V03, V05

2 CARDS PER CASE; NO. OF CASES AS IN "% OF CASES" CARD ABOVE

FREQUENCY DISTRIBUTION OF RESPONSES FOR KINDERSELEY GOOSE HUNTERS

(V04 EQ1 or V04 EQ2)

DISTO TO V16NP, TOTCOST



KINDERSELEY PROJECT.- HUNTER QUESTIONNAIRE

V05 (1,2=1)(3,4,5=2)(6 THRU HIGHEST=3)/  
 V07 (1,2=1)(3,4,5=2)(6 THRU HIGHEST=3)/  
 TOTCOST (1 THRU 100=1)(100 THRU 500=2)(500  
 (1000 THRU HIGHEST=4)  
 VALUE LABELS V03 (1) UP TO 3 DAYS (2) 3-6 DAYS (3) 7-10  
 V05 (1) UP TO 2 YRS (2) 3-5 YRS (3) >6 YRS/  
 V07 (1) UP TO 2 (2) 3-5 (3) >6 /  
 TOTCOST (1) UP TO \$100 (2) \$100-\$500 (3) \$500  
 COMMENT CROSSTABULATION OF RESPONSES FOR KINDERSELEY  
 \*SELECT IF (V04 EQ 1 OR V04 EQ 2)  
 \*RECODE SES (0 THRU 10=1)(11 THRU 15=2)(15 THRU 20=3)  
 VALUE LABELS SES (1) LOWER (2) MIDDLE (3) UPPER MIDDLE (4)  
 CROSSTAB TOTCOST,SES BY V07 TO V35,V39B  
 STATISTICS 1 DISTTO, ORIGIN, V03, V05  
 READ INPUT DATA

↑  
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INPUT DATA- 2CARDS PER CASE; NO. OF CASES AS IN "% OF CASES" C

COMMENT FREQUENCY DISTRIBUTION OF RESPONSES FOR KINDERSLEY  
 \* SELECT IF (V04 EQ1 or V04 EQ2)  
 MARGINALS DISTTO TO V16NP, TOTCOST.  
 STATISTICS 1  
 FINISH  
 / \*

INTER QUESTIONNAIRE

10/05/72

PAGE

DATE = 10/05/72)

STANCE TRAVELLED TO REGION

	1.00	2.00	4.00
	2	5	2
PERCENT)	22.2	55.6	22.2
PERCENT)	22.2	77.8	100.0

9  
0 OR 0.0 PERCENT OF TOTAL

distribution of responses.

for each variable specified or implied on  
"EQUALS" card; in this case to TOTCOST, on the

KINDERSELEY PROJECT - HUNTER QUESTIONNAIRE

FILE N0NAME (CREATION DATE = 10/05/72)

VARIABLE DISTO DISTANCE TRAVELLED TO REGION

CODE	1.00	2.00	4.00
ABSOLUTE FREQUENCY	2	5	2
RELATIVE FREQUENCY (PERCENT)	22.2	55.6	22.2
CUMULATIVE FREQUENCY (PERCENT)	22.2	77.8	100.0

DESIRED STATISTICS..

MEAN 2.222

VALID OBSERVATIONS - 9  
 MISSING OBSERVATIONS - 0 OR 0.0 PERCENT OF TOTAL

- frequency distribution of responses.

- and so on, for each variable specified or implied on the "MARGINALS" card; in this case to TOTCOST, on the next page.

1 12  
 11  
 2 10  
 9  
 8  
 7  
 6  
 5  
 4  
 3

10/05/72)

1.00

2.00

4

5

44.4

55.6

44.4

100.0

0.0 PERCENT OF TOTAL



KINDERSELEY PROJECT - HUNTER QUESTIONNAIRE

FILE NONAME (CREATION DATE = 10/05/72)

VARIABLE TOTCOST

CODE	1.00	2.00
ABSOLUTE FREQUENCY	4	5
RELATIVE FREQUENCY (PERCENT)	44.4	55.6
CUMULATIVE FREQUENCY (PERCENT)	44.4	100.0

DESIRED STATISTICS..

MEAN 1.556

VALID OBSERVATIONS - 9  
MISSING OBSERVATIONS - 0 OR 0.0 PERCENT OF TOTAL



KINDERSELEY PROJECT - HUNTER QUESTIONNAIRE

FILE NONAME (CREATION DATE = 10/05/72)

\*\*\*\*\* C R O S S T A B U L A T I O N O F  
 TOTCOST BY V08 SA  
 \*\*\*\*\*

		V08			
	COUNT	I		ROW	
	ROW PCT	IYES		TOTAL	
	COL PCT	I			
TOTCOST	TOT PCT	I	1.00	I	
	-----	I-----		I	
	1.00	I	2	I	2
UP TO \$100		I	100.0	I	28.6
		I	28.6	I	
		I	28.6	I	
	-----	I-----		I	
	2.00	I	5	I	5
\$100-\$500		I	100.0	I	71.4
		I	71.4	I	
		I	71.4	I	
	-----	I-----		I	
COLUMN			7		7
TOTAL			100.0		100.0

NUMBER OF MISSING OBSERVATIONS = 2

- and so on to end of list (V39B, following)

KINDERSELEY PROJECT - HUNTER QUESTIONNAIRE

FILE NONAME (CREATION DATE = 10/05/72)

\*\*\*\*\* CROSSTABULATION BY V3  
 \*\*\*\*\*

		V398			
	COUNT				ROW TOTAL
	ROW PCT				
	COL PCT				
	TOT PCT				
TOTCOST		3.00	14.00		
	2.00	2	3		5
\$100-\$500		40.0	60.0		100.0
		100.0	100.0		
		40.0	60.0		
	COLUMN TOTAL	2	3		5
		40.0	60.0		100.0

NUMBER OF MISSING OBSERVATIONS = 4

- followed by CROSSTAB of next variable specified on left of keyword

"BY" with all variables on right of keyword "BY" (See next page).

1 12  
 2 10  
 3 11  
 5 13

10/05/72)

\* \* C R O S S T A B U L A T I O N O F \* \* \* \* \*  
 \* \* \* \* \* BY V07 \* \* \* \* \*  
 \* \* \* \* \* SIZE OF PARTY \* \* \* \* \*  
 \* \* \* \* \* PAGE 1 OF

	ROW	TOTAL
5	2.001	
	0	2
	0.0	22.2
	0.0	
	0.0	
	0	4
	0.0	44.4
	0.0	
	0.0	
	2	2
	00.0	22.2
	00.0	
	22.2	
	0	1
	0.0	11.1
	0.0	
	0.0	
	2	9
	22.2	100.0

S OF FREEDOM  
 07 to V39B



Appendix 5: Additional Questions

1. Americans should be allowed to hunt upland game birds (Grouse and Hungarian Partridge) in the Kindersley district.
2. American hunters are worse sportsmen than hunters from Saskatoon or Regina (i.e., Saskatchewan city hunters).
3. I, personally, have been refused permission to hunt more often in the last five years than prior to 1965.
4. Farmers have no right to keep hunters off their fields.
5. More fields are now being posted with No Hunting or No Trespass signs than in the 60's.
6. I would prefer to see more Alberta and Manitoba hunters come to Kindersley than more Americans.
7. Too many American hunters make it harder to find good hunts.
8. Over the past five years has the quality of goose hunting
  - (a) improved
  - (b) deteriorated (become worse)
  - (c) remained the same
  - (d) don't know-haven't hunted for 5 years

why?

- \_\_\_\_\_ 1. Too many hunters (too many Americans, Albertans, city hunters, kid hunters, sky blasters).
- \_\_\_\_\_ 2. Bag limits too low.
- \_\_\_\_\_ 3. Farmers posting land or refusing permission to hunt.
- \_\_\_\_\_ 4. Geese getting smarter.
- \_\_\_\_\_ 5. Haven't killed as many geese.
- \_\_\_\_\_ 6. Too many lakes are in preserves or have 500 yd. limits around them.



8. (d) continued .....

\_\_\_\_\_ 7. Too many white geese moving into area.

\_\_\_\_\_ 8. Too expensive to hunt.

\_\_\_\_\_ 9. Too far to drive to get a good shoot.

\_\_\_\_\_ 10. Other reasons.

9. Should regulations be enacted that would require hunters to hunt geese only from pits dug on cultivated land?

No \_\_\_\_\_

Yes \_\_\_\_\_

Why?

10. Should afternoon goose hunting be permitted?

No \_\_\_\_\_

Yes \_\_\_\_\_

Why?

11. Do you believe that provincial game bird licenses and federal Migratory Game Bird Permits are:

\_\_\_\_\_ 1. Too expensive.

\_\_\_\_\_ 2. Not high enough.

\_\_\_\_\_ 3. Don't know.

12. When do you usually hunt geese the most:

\_\_\_\_\_ Sept. 1-10

\_\_\_\_\_ Oct. 1-10

\_\_\_\_\_ Nov. 1-10

\_\_\_\_\_ Sept. 11-20

\_\_\_\_\_ Oct. 11-20

\_\_\_\_\_ Nov. 11-20

\_\_\_\_\_ Sept. 21-30

\_\_\_\_\_ Oct. 21-30

\_\_\_\_\_ Any time during season

13. What day(s) of the week do you usually hunt geese?

\_\_\_\_\_ Monday

\_\_\_\_\_ Friday

\_\_\_\_\_ Tuesday

\_\_\_\_\_ Saturday

\_\_\_\_\_ Wednesday

\_\_\_\_\_ Thursday



14. With what number of other goose hunters do you usually go hunting?

- |         |                   |
|---------|-------------------|
| _____ 1 | _____ 5           |
| _____ 2 | _____ 6           |
| _____ 3 | _____ More than 6 |
| _____ 4 | _____ Hunt alone  |

15. While goose hunting how often are you personally successful in bagging at least one goose?

- \_\_\_\_\_ 1. Everytime.
- \_\_\_\_\_ 2. Once every two times out.
- \_\_\_\_\_ 3. Once every three times out.
- \_\_\_\_\_ 4. Once every four times out.
- \_\_\_\_\_ 5. Never.

16. Over the past 5 years how often have you or your family ever driven to a lake to watch or photograph geese?

- \_\_\_\_\_ 1. Zero
- \_\_\_\_\_ 2. Once
- \_\_\_\_\_ 3. Twice
- \_\_\_\_\_ 4. Three times
- \_\_\_\_\_ 5. Four times
- \_\_\_\_\_ 6. Five times
- \_\_\_\_\_ 7. Often

17. The first time I hunted geese was in Saskatchewan.

- \_\_\_\_\_ Yes
- \_\_\_\_\_ No
- \_\_\_\_\_ I have never hunted geese in Saskatchewan.

18. Were most of your younger years (up to 18 years) spent in:

\_\_\_\_\_ a rural area (nearest town less than \_\_\_\_\_,000)

\_\_\_\_\_ a suburban area

\_\_\_\_\_ a city area

19. Do you now live in:

\_\_\_\_\_ a rural area (nearest town less than \_\_\_\_\_,000)

\_\_\_\_\_ a suburban area

\_\_\_\_\_ a city area

20. At what age did you begin hunting by yourself?

\_\_\_\_\_ years

21. Who first took you out hunting?

\_\_\_\_\_ father

\_\_\_\_\_ uncle, brother, or other relative

\_\_\_\_\_ friend

\_\_\_\_\_ other: \_\_\_\_\_

22. I first hunted geese in Saskatchewan because:

Disagree  
strongly

Disagree  
somewhat

Indifferent

Agree  
Somewhat

Agree  
strongly

1.

2.

3.

4.

5.

- (a) I was specifically interested in goose hunting and new that Sask. was one of the best places for it.
- (b) Stories I heard from others encouraged me to try it.
- (c) I had read about the goose-hunting in Sask.
- (d) I had some friends who were going and I decided to go with them.
- (e) It was the easiest, closest, and/or cheapest hunting available.
- (f) I started goose hunting when I was young and my father (uncle, brother) allowed me to come along with him.
- (g) I was out mainly to hunt other game but the geese were there and so I bagged a few.
- (h) Sask. has the best bag limit and/or season.
- (i) Other reasons: Please specify

23. Rate the following leisure activities in order of their importance to you.

Very unimportant	Unimportant	Indifferent	Important	Very important
1	2	3	4	5

- (a) hunting
- (b) camping and other outdoor recreation (swimming, boating, hiking, skiing, etc.)
- (c) team sports (football, baseball, hockey, etc.)
- (d) travel to different cities
- (e) visiting friends or relatives
- (f) spending time with my immediate family
- (g) watching TV
- (h) reading newspapers or news magazines
- (i) reading hunting or outdoor magazines
- (j) going out "with the boys"

24. Rate your reaction to the following statements:

1 Disagree  
strongly

2 Disagree  
somewhat

3 Indifferent

4 Agree  
somewhat

5 Agree  
strongly

- (a) Most of my vacation time is spent hunting.
- (b) There were too many other hunters in the region.
- (c) Local resident feelings and attitudes should be important in determining hunting regulations.
- (d) If I had 2 weeks extra vacation this year I would spend it all hunting.
- (e) I don't spend enough time outdoors.
- (f) Hunters are more responsible people than non-hunters.
- (g) I have few friends that I can talk to about very personal matters.
- (h) I can get more done when I work by myself.
- (i) The pollution problem is far too exaggerated.