



# Community Survey on Elk Management

May/June 2011

USVEMG  
Post Office Box 700  
North Bend WA 98045

This survey was distributed to three community groups over a seven week period. The first sampling was from the 190 subscribers to USVEMG bulletins between May 4 and May 8 gathering 12 responses. The second sampling was distributed to a North Bend community bulletin board of 4540 subscribers gathering 55 responses. In June the survey was distributed to a Snoqualmie community bulletin board of similar scale and incidentally distributed to a Fall City community bulletin board and re-distributed to the North Bend community bulletin board gathering 75 responses for a total 142 responses.

## Responses per sampling period

Elk Management Group (EMG)		8.5%	12
North Bend Community (NB)		38.7%	55
Snoqualmie Community (SNO)		52.8%	75

The survey consists of six questions. All participants completed questions 1 and 2. 130 participants completed questions 3 and 4 regarding financial commitment, and 127 participants completed questions 5 and 6 regarding demographics. No personally identifiable information about the participant is collected or retained. The survey may remain online for some time at this location, but will not be monitored after June 20: <https://www.surveymonkey.com/s/T789PXD>

## Overview of Survey Results

The survey demonstrates a general interest in increasing hunting quotas and improving habitat elsewhere to draw elk away as methods to reduce elk population. The elk group participants have a significantly different pattern of responses than the rest of the community regarding relocating elk and the introduction of predators to reduce elk populations (Figure 1b), feeding stations, predator control, and sanctuary zones to increase elk populations (Figure 2b). Perhaps this indicates a community outreach opportunity regarding the known pros/cons of these methods. Incidence of "none of the above" was three times higher in the second question than in the first which may demonstrate intolerance for any action to further increase the elk population. Half of the participants selected improved fencing along roadways, perhaps not to increase the elk population, but to address a safety need (Figure 2a). Half of participants indicate that they would commit no more than one dollar per month to elk management solutions (Figure 3a). Also, elk management is perceived to be a lower priority than parks and transit (Figure 4a). Both of these may indicate an intolerance for expensive management solutions.

## Question 1

Which options to REDUCE the elk population are acceptable?

Figure 1a. All responses

Reduce suitable habitat and food sources		9.2%	13
Improve habitat elsewhere to draw elk away		54.2%	77
<b>Increase hunting season quotas</b>		<b>56.3%</b>	<b>80</b>
Introduce predators		17.6%	25
Sterilization		19.0%	27
Trap and relocate elk to another area		43.0%	61
None of the above		7.8%	11

Figure 1b. Percent by sample group

Sample Group:	EMG	NB	SNO
Reduce suitable habitat and food sources	8	7	11
Improve habitat elsewhere to draw elk away	83	58	47
Increase hunting season quotas	83	56	52
Introduce predators	8	20	17
Sterilization	25	18	19
Trap and relocate elk to another area	17	45	45
None of the above	8	4	11

Figure 1c. Percent by ZIP Code

ZIP Code:	98014 Carnation	98024 Fall City	98045 N. Bend	98065 Snoq.
Reduce suitable habitat and food sources	0	11	12	6
Improve habitat elsewhere to draw elk away	50	68	54	52
Increase hunting season quotas	75	47	62	48
Introduce predators	25	24	21	9
Sterilization	25	5	21	27
Trap and relocate elk to another area	50	26	53	42
None of the above	0	5	9	6

Figure 1d. Percent by financial commitment

Amount willing to commit per month:	\$0	\$1	\$5	\$10	\$20	\$100	More
Reduce suitable habitat and food sources	6	24	6	13	7	0	0
Improve habitat elsewhere to draw elk away	43	65	55	81	64	100	25
Increase hunting season quotas	68	53	48	38	71	0	25
Introduce predators	21	12	13	25	29	100	0
Sterilization	11	12	26	31	36	100	0
Trap and relocate elk to another area	40	47	55	44	36	100	25
None of the above	11	6	6	6	0	0	25

Figure 1e. Percent by elk management priority

Priority of elk management:	1st	2nd	3rd	4th	5th	6th	Last
Reduce suitable habitat and food sources	0	0	0	0	13	18	8
Improve habitat elsewhere to draw elk away	67	50	75	50	63	50	55
Increase hunting season quotas	33	50	50	61	38	76	49
Introduce predators	0	0	38	39	19	18	12
Sterilization	33	0	25	28	31	29	6
Trap and relocate elk to another area	67	50	25	33	50	62	37
None of the above	0	0	0	0	13	0	16

## Question 2

Which options to INCREASE the elk population are acceptable?

Figure 2a. All responses

Feeding stations		26.6%	37
Reduce hunting season quotas		33.8%	48
Reduce predator population		7.8%	11
Increase sanctuary zones		49.3%	70
Improve fencing along roadways		50.0%	71
None of the above		25.4%	36

Figure 2b. Percent by sample group

Sample Group:	EMG	NB	SNO
Feeding stations	8	29	27
Reduce hunting season quotas	0	31	41
Reduce predator population	25	4	8
Increase sanctuary zones	8	51	55
Improve fencing along roadways	50	58	54
None of the above	50	18	27

Figure 2c. Percent by ZIP Code

ZIP Code:	98014 Carnation	98024 Fall City	98045 N. Bend	98065 Snoq.
Feeding stations	25	26	25	27
Reduce hunting season quotas	25	42	34	33
Reduce predator population	25	11	6	6
Increase sanctuary zones	50	68	50	52
Improve fencing along roadways	50	42	57	42
None of the above	0	16	25	39

Figure 2d. Percent by financial commitment

Amount willing to commit per month:	\$0	\$1	\$5	\$10	\$20	\$100	More
Feeding stations	15	12	32	44	43	100	50
Reduce hunting season quotas	26	47	39	38	36	100	25
Reduce predator population	6	0	6	13	14	100	0
Increase sanctuary zones	45	59	65	69	29	100	50
Improve fencing along roadways	45	41	65	75	29	100	50
None of the above	38	18	16	19	36	0	25

Figure 2e. Percent by elk management priority

Priority of elk management:	1st	2nd	3rd	4th	5th	6th	Last
Feeding stations	0	100	25	22	31	24	29
Reduce hunting season quotas	0	50	38	22	38	38	37
Reduce predator population	0	0	25	0	6	12	6
Increase sanctuary zones	0	0	63	44	56	53	59
Improve fencing along roadways	0	100	38	39	69	44	59
None of the above	100	0	38	22	25	29	22

### Question 3

How much money per month are you willing to commit to see your management choices implemented?

Figure 3a. All responses

\$0		36.1%	47
\$1		13.1%	17
\$5		23.9%	31
\$10		12.3%	16
\$20		10.8%	14
\$100		0.8%	1
Money is not an object		3.1%	4

### Question 4

Rank the following funding priorities.

Figure 4a. All responses

	Rank	1st	2nd	3rd	4th	5th	6th	Last
Elk Management	1.40	3	2	8	18	16	33	47
Fire & Police Services	5.22	69	37	10	5	3	3	0
Flood Control	3.29	8	22	27	34	22	6	8
Hospital	2.65	4	13	32	19	24	14	21
Park & Pool	2.09	3	5	14	24	31	33	17
Schools	4.31	37	34	23	13	9	7	4
Transit	2.02	3	14	13	14	22	31	30

Figure 4b. Rank by sample group or ZIP Code.

Sample Group:	EMG	NB	SNO	98014 Carnation	98024 Fall City	98045 N. Bend	98065 Snoq.
Elk Management	1.50	1.33	1.41	1.25	1.16	1.24	2.00
Fire & Police Services	5.50	5.39	5.07	5.25	5.16	5.26	5.12
Flood Control	2.60	3.43	3.28	3.25	3.47	3.18	3.42
Hospital	3.30	2.73	2.49	3.00	2.79	2.78	2.12
Park & Pool	1.70	2.06	2.16	1.50	1.79	2.19	2.19
Schools	4.80	4.35	4.26	5.00	3.79	4.54	4.06
Transit	1.60	1.71	2.33	1.75	2.84	1.81	2.02

### Question 5

What is the ZIP Code of your primary residence?

Figure 5a. All responses

98014 – Carnation		3.2%	4
98024 – Fall City		15.0%	19
98038 – Maple Valley		0.8%	1
98045 – North Bend		53.5%	68
98046 – Lynnwood		0.8%	1
98065 – Snoqualmie		26.0%	33
98512 – Olympia		0.8%	1

### Question 6

Are you registered to vote in the State of Washington?

Figure 6a. All responses



### Raw Data

Response	Page 2 Done	Page 3 Done	Date	ZIP Code	1 - Reduce	1 - Elsewhere	1 - Hunt	1 - Predator	1 - Sterilize	1 - Relocate	1 - None	2 - Feeding	2 - Hunt	2 - Predator	2 - Sanctuary	2 - Fencing	2 - None	Commitment	4 - Elk	4 - Fire/Police	4 - Flood	4 - Hospital	4 - Park/Pool	4 - Schools	4 - Transit	
1	1	1	5/5/2011	98045 - North Bend		1	1							1				10	6	2	5	4	3	1	7	
2	1	0	5/5/2011								1						1	1	0	7	2	3	6	5	1	4
3	1	1	5/5/2011	98512 - Olympia			1											1	0	5	1	4	2	7	3	6
4	1	1	5/5/2011	98045 - North Bend		1	1		1	1								1	20	1	2	4	5	7	3	6
5	1	1	5/5/2011	98045 - North Bend		1	1											1	5	6	2	4	5	3	1	7
6	0	0	5/5/2011			1	1											1								
7	1	1	5/5/2011	98065 - Snoqualmie		1	1		1									1	10	6	1	7	5	4	2	3
8	1	1	5/5/2011	98045 - North Bend		1	1			1								1	10	6	1	3	2	7	4	5
9	1	1	5/5/2011	98045 - North Bend		1	1		1	1								1	20	4	2	7	3	6	1	5
10	1	1	5/5/2011	98045 - North Bend		1	1											1	0	7	1	4	3	5	2	6
11	1	1	5/6/2011	98038 - Maple Valley		1						1		1				0	7	1	3	2	6	4	5	
12	0	0	5/6/2011			1	1							1												
13	0	0	5/8/2011				1						1													
14	1	1	5/8/2011	98045 - North Bend		1				1								1	7	1	2	6	3	4	5	
15	1	1	5/8/2011	98045 - North Bend			1					1						20	6	2	4	5	3	1	7	
16	1	1	5/8/2011	98045 - North Bend		1	1		1				1		1			0	5	2	3	7	4	1	6	
17	1	1	5/8/2011	98045 - North Bend			1					1						20	6	2	4	5	3	1	7	
18	1	1	5/8/2011	98045 - North Bend		1	1			1			1		1			0	5	2	3	7	4	1	6	
19	1	1	5/8/2011	98045 - North Bend			1	1					1		1			0	7	1	5	3	4	2	6	
20	1	1	5/8/2011	98045 - North Bend		1	1					1		1	1			10	7	2	3	4	5	1	6	
21	1	1	5/8/2011	98046 - Lynnwood		1	1					1		1				5	7	2	4	5	3	1	6	
22	1	1	5/8/2011	98045 - North Bend		1	1		1	1			1		1			0	6	2	4	3	7	1	5	
23	1	1	5/8/2011	98045 - North Bend			1											1	0	6	2	5	3	4	1	7
24	1	1	5/8/2011	98045 - North Bend		1	1		1	1								20	3	1	4	6	7	5	2	
25	1	1	5/8/2011	98045 - North Bend		1	1					1						0	7	1	4	3	5	6	2	
26	1	1	5/8/2011	98045 - North Bend		1				1								0	7	1	6	2	4	3	5	
27	1	1	5/8/2011	98065 - Snoqualmie		1												10	7	2	3	5	4	1	6	
28	1	1	5/8/2011	98045 - North Bend		1	1		1	1								20	5	3	4	2	6	1	7	
29	1	1	5/8/2011	98045 - North Bend		1												20	5	1	2	3	6	4	7	
30	0	0	5/8/2011				1																			
31	1	1	5/9/2011	98045 - North Bend		1			1	1								5	7	1	5	4	6	3	2	
32	1	1	5/9/2011	98045 - North Bend		1												1	0	7	1	3	6	5	2	4
33	1	1	5/9/2011	98065 - Snoqualmie		1						1		1				5	3	2	1	7	4	5	6	
34	1	1	5/9/2011	98045 - North Bend			1			1								1	0	6	2	7	1	5	3	4
35	1	1	5/9/2011	98045 - North Bend		1	1											5	4	3	2	6	5	1	7	
36	1	1	5/9/2011	98045 - North Bend		1		1	1	1								10	4	2	5	7	3	1	6	
37	1	1	5/9/2011	98045 - North Bend		1	1			1								1	0	7	1	3	4	5	2	6
38	1	1	5/9/2011	98014 - Camation		1	1		1	1								10	4	1	3	7	6	2	5	
39	1	1	5/9/2011	98045 - North Bend		1			1	1								5	5	1	2	4	7	3	6	
40	1	1	5/9/2011	98065 - Snoqualmie		1												1	5	3	6	5	7	1	2	4
41	0	0	5/9/2011																							
42	1	1	5/9/2011	98045 - North Bend		1		1	1									5	6	1	2	4	5	3	7	
43	1	1	5/9/2011	98065 - Snoqualmie		1	1		1									1	5	5	1	3	4	6	2	7
44	1	1	5/9/2011	98045 - North Bend						1								5	7	1	5	3	4	2	6	
45	1	1	5/9/2011	98045 - North Bend			1											5	6	2	4	1	5	3	7	
46	1	1	5/9/2011	98065 - Snoqualmie			1											0	3	1	4	7	5	6	2	
47	1	1	5/9/2011	98045 - North Bend		1												5	5	1	2	3	7	4	6	
48	1	1	5/9/2011	98045 - North Bend		1				1								0	7	3	4	5	6	1	2	
49	1	1	5/9/2011	98045 - North Bend		1	1											5	4	2	3	5	7	1	6	
50	1	1	5/9/2011	98045 - North Bend		1	1											0	7	1	2	3	5	4	6	
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54	0	0	5/9/2011																							
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56	1	1	5/10/2011	98045 - North Bend							1							0	7	1	3	5	4	2	6	
57	1	1	5/10/2011	98045 - North Bend						1								5	5	1	4	3	6	7	2	
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59	1	1	5/10/2011	98045 - North Bend		1	1											10	3	1	4	2	5	7	6	
60	1	1	5/10/2011	98045 - North Bend			1											0	6	1	2	4	5	3	7	
61	1	1	5/11/2011	98045 - North Bend		1	1											1	4	1	3	6	7	5	2	

Response	Page 2 Done	Page 3 Done	Date	ZB Code	1 - Reduce	1 - Elsewhere	1 - Hunt	1 - Predator	1 - Sterilize	1 - Relocate	1 - None	2 - Feeding	2 - Hunt	2 - Predator	2 - Sanctuary	2 - Fencing	2 - None	Commitment	4 - EK	4 - Fire/Police	4 - Flood	4 - Hospital	4 - Park/Pool	4 - Schools	4 - Transit
62	1	1	5/11/2011	98045 - North Bend		1	1			1			1		1	1		5	6	1	4	3	5	2	7
63	1	1	5/11/2011	98024 - Fall City		1	1							1	1			0	3	1	2	5	6	4	7
64	1	1	5/11/2011	98024 - Fall City			1	1				1						More	7	3	2	4	5	1	6
65	1	0	5/16/2011			1			1	1		1	1		1	1		5	6	1	3	4	7	2	5
66	1	1	5/20/2011	98045 - North Bend						1							1	0	7	2	5	3	4	1	6
67	1	1	5/25/2011	98045 - North Bend		1	1			1			1			1	1	5	6	1	4	2	7	3	5
68	1	1	6/2/2011	98045 - North Bend		1	1	1				1						1	4	6	7	5	1	3	2
69	1	1	6/2/2011	98065 - Snoqualmie							1					1	1	5	7	1	3	5	4	2	6
70	1	1	6/2/2011	98045 - North Bend		1		1					1		1	1		1	7	2	5	6	3	1	4
71	1	1	6/2/2011	98065 - Snoqualmie		1	1	1	1		1	1	1	1	1	1		5	6	1	5	7	2	3	4
72	1	1	6/2/2011	98065 - Snoqualmie			1		1	1						1	1	10	6	1	4	3	7	2	5
73	0	0	6/2/2011			1	1	1		1						1									
74	1	1	6/2/2011	98045 - North Bend		1		1	1	1							1	0	6	1	3	7	4	2	5
75	1	1	6/2/2011	98065 - Snoqualmie						1					1	1		1	7	1	6	4	5	2	3
76	1	1	6/2/2011	98065 - Snoqualmie		1				1		1	1			1		20	2	1	7	3	5	4	6
77	1	1	6/2/2011	98065 - Snoqualmie						1		1	1		1	1		10	5	1	4	6	3	2	7
78	1	1	6/2/2011	98065 - Snoqualmie		1	1										1	20	7	2	4	5	6	1	3
79	1	1	6/2/2011	98045 - North Bend		1	1	1		1							1	0	7	4	2	3	5	6	1
80	1	1	6/2/2011	98065 - Snoqualmie			1			1				1	1			0	7	2	5	1	6	3	4
81	1	1	6/2/2011	98045 - North Bend						1				1				1	4	1	3	5	6	2	7
82	1	1	6/2/2011	98065 - Snoqualmie				1	1				1	1	1	1		5	6	3	1	4	5	2	7
83	1	1	6/2/2011	98045 - North Bend		1	1		1								1	5	6	1	2	4	5	3	7
84	1	1	6/2/2011	98045 - North Bend									1					0	4	1	3	5	6	2	7
85	1	1	6/2/2011	98045 - North Bend		1	1			1		1	1	1	1	1		5	6	1	4	3	5	2	7
86	1	1	6/2/2011	98065 - Snoqualmie				1	1	1		1	1	1	1	1		100	3	2	1	7	4	5	6
87	1	1	6/2/2011	98045 - North Bend		1	1	1	1	1							1	10	6	2	4	7	3	1	5
88	1	1	6/2/2011	98045 - North Bend							1	1				1	1	0	7	4	5	6	3	1	2
89	1	1	6/2/2011	98045 - North Bend						1	1	1	1	1	1	1		More	5	1	4	2	6	3	7
90	0	0	6/2/2011							1						1	1								
91	0	0	6/2/2011						1			1													
92	1	1	6/2/2011	98024 - Fall City			1	1					1	1	1	1		20	7	1	4	2	6	5	3
93	1	1	6/2/2011	98045 - North Bend							1		1			1		5	7	5	6	3	4	1	2
94	1	1	6/2/2011	98065 - Snoqualmie			1									1	1	10	6	1	3	2	7	4	5
95	1	1	6/2/2011	98024 - Fall City			1	1		1			1	1				0	7	1	4	5	6	2	3
96	1	1	6/2/2011	98024 - Fall City		1	1						1		1			0	4	5	2	3	1	6	7
97	1	1	6/2/2011	98065 - Snoqualmie		1	1									1	1	0	6	1	2	4	7	3	5
98	1	1	6/2/2011	98024 - Fall City			1					1						20	4	2	5	3	7	1	6
99	1	1	6/2/2011	98065 - Snoqualmie						1	1	1	1	1	1			20	4	3	2	5	6	1	7
100	1	1	6/2/2011	98045 - North Bend			1	1	1	1						1	1	0	6	1	7	3	5	2	4
101	1	1	6/2/2011	98024 - Fall City			1	1	1	1						1	1	1	4	3	2	7	6	5	1
102	1	1	6/2/2011	98024 - Fall City			1			1		1	1	1	1	1		10	7	2	3	4	5	1	6
103	1	1	6/2/2011	98014 - Carnation		1	1					1	1	1	1			20	6	4	5	2	7	1	3
104	0	0	6/2/2011				1						1												
105	1	1	6/2/2011	98024 - Fall City			1	1							1			5	4	3	5	7	2	6	1
106	1	1	6/2/2011	98014 - Carnation		1									1			0	7	1	2	4	5	3	6
107	1	1	6/2/2011	98065 - Snoqualmie			1		1							1	1	5	7	1	5	6	4	2	3
108	1	1	6/3/2011	98024 - Fall City		1						1	1	1	1			20	7	2	6	1	5	3	4
109	1	1	6/3/2011	98045 - North Bend		1	1	1	1	1		1	1	1	1	1		0	7	1	2	6	4	3	5
110	1	1	6/3/2011	98014 - Carnation			1			1								5	6	1	5	3	4	2	7
111	1	1	6/3/2011	98065 - Snoqualmie		1								1	1			10	4	1	2	7	6	3	5
112	1	1	6/3/2011	98045 - North Bend						1						1	1	0	7	2	1	3	6	4	5
113	1	1	6/3/2011	98065 - Snoqualmie		1	1		1	1						1	1	5	5	1	2	3	6	4	7
114	1	1	6/3/2011	98065 - Snoqualmie						1	1			1				1	6	2	3	7	5	1	4
115	1	1	6/3/2011	98024 - Fall City		1	1							1	1			1	7	3	4	5	6	1	2
116	1	1	6/3/2011	98065 - Snoqualmie			1					1				1		0	2	1	4	6	3	5	7
117	1	1	6/3/2011	98024 - Fall City						1						1	1	0	7	2	3	6	5	1	4
118	1	1	6/3/2011	98065 - Snoqualmie		1	1								1	1	1	1	7	2	5	4	6	1	3
119	1	1	6/3/2011	98024 - Fall City		1					1	1	1	1	1			10	5	1	2	4	7	6	3
120	1	1	6/3/2011	98065 - Snoqualmie			1									1	1	0	4	1	3	5	6	7	2
121	1	1	6/3/2011	98024 - Fall City		1			1			1	1	1	1			0	7	1	3	2	4	5	6
122	1	0	6/3/2011					1										5	7	1	6	3	4	2	5
123	1	1	6/3/2011	98024 - Fall City		1	1						1	1				0	7	1	5	3	6	2	4
124	1	1	6/3/2011	98065 - Snoqualmie		1	1					1	1					1	7	2	6	3	4	1	5
125	1	1	6/3/2011	98045 - North Bend			1			1								5	7	2	4	6	3	1	5
126	1	1	6/3/2011	98065 - Snoqualmie						1						1	1	More	1	6	3	7	2	5	4
127	1	1	6/3/2011	98045 - North Bend						1	1	1	1	1	1	1		10	5	1	6	7	4	2	3
128	1	1	6/3/2011	98065 - Snoqualmie			1									1	1	0	4	3	1	5	6	2	7
129	1	1	6/3/2011	98024 - Fall City		1								1	1		1	More	6	1	7	3	5	4	2
130	1	1	6/3/2011	98045 - North Bend		1		1						1	1			5	5	2	4	7	3	1	6
131	1	1	6/3/2011	98065 - Snoqualmie		1										1	1	0	1	5	4	7	2	6	3
132	1	1	6/3/2011	98024 - Fall City		1												0	6	1	3	7	5	2	4
133	0	0	6/3/2011			1	1			1						1									
134	0	0	6/3/2011			1							1												
135	1	1	6/4/2011	98065 - Snoqualmie		1	1	1	1					1	1			0	7	1	4	2	6	3	5
136	1	1	6/5/2011	98065 - Snoqualmie		1				1	1	1	1	1	1			1	7	1	5	3	6	2	4
137	1	1	6/6/2011	98045 - North Bend			1		1			1	1	1	1			1	6	2	1	4	5	3	7
138	1	1	6/6/2011	98045 - North Bend			1																		