- PART A APPENDIX K: PHOTOGRAPHS
- PART A APPENDIX L: MAIL SURVEY
- PART A APPENDIX M: INTERCEPT SURVEY
- PART A APPENDIX N: INTERCEPT OBSERVATION TALLY
- PART A APPENDIX O: NONRESPONSE BIAS TELEPHONE SURVEY

Susitna-Watana Hydroelectric Project (FERC No. 14241)

Recreation Resources Study (12.5)

Part A - Appendix K Photographs

Initial Study Report

Prepared for

Alaska Energy Authority



Prepared by

URS Corporation

June 2014



Photograph K-1. Jack River Trail, with 17(b) easement marker



Photograph K-2. East-West Express Trail: Groomed (Formal) Winter Trail



Photograph K-3. Pass Creek Route: Informal Winter Trail



Photograph K-4. Old Man Creek/Goose Lake Route: Formal Winter Trail with Dispersed Informal Use



Photograph K-5. Byers Lake Trail: Formal Summer Trail; Trailhead Facility



Photograph K-6: Glacier Gap Lake to Sevenmile Lake Trailhead: Formal Summer Trail; Trailhead Facility



Photograph K-7. Butte Creek Trail: Informal Summer Trail



Photograph K-8. Jay Creek Trail: Informal Summer Trail



Photograph K-9. Susitna River Access Point at Denali Highway Bridge



Photograph K-10. Boat Launch Facility at Tangle Lakes Campground



Photograph K-11. Brushkana Campground Facility



Photograph K-12. Walk-in Campsite; Denali View North Campground Facility



Photograph K-13. Alaska Veterans Memorial & Visitor Center Facility



Photograph K-14. Wrangell Mountain Viewpoint Facility



Photograph K-15. Denali View North Facility



Photograph K-16. Christensen Lake Park Day Use Area



Photograph K-17. Dispersed Recreation along the Denali Highway



Photograph K-18. Remote Dispersed Recreation Site on North Fork Butte Creek Trail

Susitna-Watana Hydroelectric Project (FERC No. 14241)

Recreation Resources Study (12.5)

Part A - Appendix L Mail Survey

Initial Study Report

Prepared for

Alaska Energy Authority



Prepared by

URS Corporation

June 2014

2013 Alaska Recreation SURVEY









Alaska Outdoor Recreation

Thank you for helping us learn more about outdoor recreation activities in Alaska. The next four pages contain questions about your snow machining, fishing, recreational boating, and hunting outings. Below is a tutorial of how to complete the questions. The text in red illustrates the type of information that you would provide as answers to your questions. **Please review this tutorial before going to Question 1 on the next page.**

		Recreational Snow Machining Anywhere In Alaska							
Tutorial	 Do you <u>ever</u> snow mach 	ine recreationally in Alas	ka? (Circle the corre		Yes GO TO QUESTION 2 GO TO NEXT PAGE				
for your review and reference	2. In the table below, please list all of the locations where you snow machined recreationally between January and April 2013. If you did not so on any day between January and April 2013, please check this box and go to Question 4 on the next page.								
		Snow Machining between January and April 2013							
	Describe the location where you snow machined Please be as specific as possible.	Write the name where you accessed this location Trailhead name, nearest town or point of interest, highway milepost	Number of snow machining days How many days did you snow machine at this location?	Snow Machining Location	When did you snow machine at each location? Please write the number of each Snow Machining Location in the calendar below. The Snow Machining Location numbers are presented in the column to the left. Write in the Snow Machining Location number for each day that you snow machined at that location between January and April 2013.				
	Turnagain Pass Trail	Trailhead in Sunnyside	6	0					
	Denali Highway (South Parks HIghway)	North of Willow by Susitna North	3	1	2013				
	Willow Lake Loop Trail	Willow	2	2	January February				
	Sterling Highway (Resurrection Pass Trail)	Cooper Landing	1	3	I I <thi< th=""> <thi< th=""> <thi< th=""> <thi< th=""></thi<></thi<></thi<></thi<>				
				4	13 14 15 16 17 18 19 20 21 22 23 24 25 26 17 18 19 20 21 22 23				
				5	27 28 29 30 31				
				6	-				
				7	March April S M F S M T F S 10 21 1 2 3 4 5 60				
				8	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
				9	17 18 19 20 21 22 23 24 25 26 27				
	If you snow machined at mo complete additional trip sur www.alaskarecreationsurve will mail you additional sur questionnaire.	mmaries, you can comple ey.com or check the box to	te them online at the right and we	Yes, please send me additional summaries	31				
	3. What is the total number	of days you snow machin	ned between Januar	ry and April 20	13? 12 days PLEASE CONTINUE TO NEXT PAGE				

Recreational Snow Machining Anywhere In Alaska

If you have any questions on how to complete this summary, please refer to the tutorial on Page 1.

- 1. Do you ever snow machine recreationally in Alaska? (Circle the correct choice)
- Yes GO TO QUESTION 2 No GO TO NEXT PAGE
- 2. In the table below, please list all of the locations where you snow machined recreationally between January and April 2013. If you <u>did not</u> snow machine on any day between January and April 2013, please check this box and go to Question 4 on the next page.

	Snow Machining between January and April 2013					
Describe the location where you snow machined Please be as specific as possible.	Write the name where you accessed this location Trailhead name, nearest town or point of interest, highway milepost	Number of snow machining days How many days did you snow machine at this location?	Snow Machining Location	When did you snow machine at each location? Please write the number of each Snow Machining Location in the calendar below. The Snow Machining Location numbers are presented in the column to the left. Write in the Snow Machining Location number for each day that you snow machined at that location between January and April 2013.		
Example: Turnagain Pass Trail	Trailhead in Sunnyside	6	0	2013		
			1	January February SMTWTFSSMTWTFS		
			2	1 2 3 4 5 6 7 8 9 10 11 12 3 4 5		
			3	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$		
			4	20 21 22 23 24 25 26 27 28 29 30 31		
			5			
			6	March April		
			7			
			8	$\begin{bmatrix} 3 & 4 & 5 & 6 & 7 & 8 & 9 \\ \hline 10 & 11 & 12 & 13 & 14 & 15 & 16 \\ \end{bmatrix} \begin{bmatrix} 7 & 0 & 5 & 9 & 10 & 110 & 12 & 13 \\ \hline 14 & 15 & 16 & 17 & 18 & 19 & 20 \\ \end{bmatrix}$		
			9	17 18 19 20 21 22 23 24 25 26 27 28 29 30 28 29 30		
If you snow machined at more than 9 locations and would like to complete additional trip summaries, you can complete them online at www. alaskarecreationsurvey.com or check the box to the right and we will mail you additional summaries once we receive this completed questionnaire.			Yes, please send me additional summaries	- 31		

3. What is the total number of days you snow machined between January and April 2013?

Recreational Fishing Anywhere In Alaska

If you have any questions on how to complete this summary, please refer to the tutorial on Page 1.

- 4. Do you <u>ever</u> fish recreationally in Alaska? (Circle the correct choice)
- Yes
 - What type of species do you target (circle all that apply)? Halibut Rockfish Trout Coho Sockeye Chinook Chum Pink Salmon Grayling Dolly Varden/Arctic char Other
 - No GO TO NEXT PAGE

5. In the table below, please list all of the locations where you fished recreationally between May and October 2012. If you **did not** fish on any day between May and October 2012, please check this box and go to Question 7 on the next page.

	Fishing between May and October 2012						
Describe the waterbody where you fished Please be as specific as possible.	Write the name where you accessed this location Boat launch, nearest town or point of interest	Number of fishing days How many days did you fish at this location?	Fishing Location	When did you fish at each location? Please write the number of each Fishing Location in the calendar below. The Fishing Location numbers are presented in the column to the left. Write in the Fishing Location number for each day that you fished at that location between May and October 2012.			
				2012			
Example: Kenai River	Cooper Landing Boat Launch	10	0	June			
			1	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
				6 7 8 9 10 11 12 3 4 5 6 7 8 9 0			
			2	13 14 15 16 17 18 19			
				20 21 22 23 24 25 26 17 18 19 20 21 22 23 27 28 29 30 31 24 25 26 24 25 26 27 28 29 30			
			3				
			3	July August			
				SMTWTFS SMTWTFS			
			4				
				$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
			5	22 23 24 25 26 27 28 19 20 21 22 23 24 25			
			6				
				October September sмтwтғs			
			-	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
			7	1 7 8 9 10 11 12 13			
If you fished at more than	7 locations and would like	to complete		2 <u>3 4 5 6 7 8</u> <u>14 15 16 17 18 19 20</u>			
additional trip summaries	s, you can complete them o	nline at	Yes, please send me	9 10 11 12 13 14 15 21 22 23 24 25 26 27			
	vey.com or check the box t ummaries once we receive		additional	16 17 18 19 20 21 22 28 29 30 31			
questionnaire.		the outpictou	summaries	23 30 24 25 26 27 28 29			

6. What is the total number of days you fished recreationally between May and October 2012? _____ days

Recreational Boating Anywhere In Alaska

If you have any questions on how to complete this summary, please refer to the tutorial on Page 1.

- Other than fishing, do you ever go recreational boating in Alaska? Yes 🐨 What type of recreational boating do you do (circle all that apply)? 7. (Circle the correct choice)

Canoeing Kayaking Motor/Air boating Drift boating Rafting Sailing Other

days

- No GO TO NEXT PAGE
- In the table below, please list all of the locations where you went recreational boating between May and October 2012. If you did not go 8. recreational boating on any day between May and October 2012, please check this box and go to Question 10 on the next page.

	Recreational Boating between May and October 2012						
Describe the waterbody where you went recreational boating Please be as specific as possible. If you went fishing, please complete a fishing summary.	Write the name where you accessed this location Boat launch, nearest town or point of interest	Number of recreational boating days How many days did you go recreational boating at this location?	Recreational Boating Location	When did you go recreational boating at each location? Please write the number of each Recreation Boating Location in the calendar below. The Recreational Boating Location numbers are presented in the column to the left. Write in the Recreational Location number for each day that you went recreational boating at that location between May and October 2012.			
Example: Valdez Harbor	Valdez	9	0	2012			
			1	May June S T W F S M T W F S M T W T S M T W T S M T W T S M T W T S M T W T S M T W T S M T W T S M T			
			2	$\begin{bmatrix} 5 & 7 & 8 & 9 & 10 & 11 & 12 \\ 13 & 14 & 15 & 16 & 17 & 18 \\ 20 & 21 & 22 & 23 & 24 & 25 & 26 \end{bmatrix} \begin{bmatrix} 3 & 4 & 5 & 6 & 7 & 8 & 9 \\ 10 & 11 & 12 & 13 & 14 & 15 & 16 \\ 17 & 18 & 19 & 20 & 21 & 22 & 23 \end{bmatrix}$			
			3	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
			4	July August S M T F S M T F S 1 2 3 4 0 5 6 7 7 1 2 3 4			
			5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
			6	22 23 24 25 26 27 28 29 30 31			
			7	September SMTWTFSSMTWTFS			
If you went recreational boating at more than 7 locations and would like to complete additional trip summaries, you can complete them online at www. alaskarecreationsurvey.com or check the box to the right and we will mail you additional summaries once we receive this completed questionnaire.		Yes, please send me additional summaries	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				

Recreational Hunting Anywhere In Alaska

If you have any questions on how to complete this summary, please refer to the tutorial on Page 1.

10. Do you ever hunt recreationally in Alaska? (Circle the correct choice)

Yes **W**hat type of game do you hunt (circle all that apply)? Big game Small game Upland Birds Waterfowl Other

GO TO NEXT PAGE No

11. In the table below, please list all of the locations where you hunted recreationally between June and November 2012. If you did not go hunting on any day between June and November 2012, please check this box and go to the next page.

	Hur	nting between	n June and N	November 2012	
Describe the location where you hunted Please be as specific as possible.	Write the name where you accessed this location Highway milepost, nearest town or point of interest	Number of hunting days How many days did you hunt at this location?	Hunting Location	When did you hunt at each location? Please write the number of each Hunting Location in the cale The Hunting Location numbers are presented in the column in the Hunting Location number for each day that you hunted between June and November 2012.	to the left. Write
Example: Denali Highway	Cantwell	6	0	2012	
			1	JuneJuly s m t w t f s s m t w 1 2 3 4 5	T F S
			2	3 4 5 6 7 8 9 10 11 12 13 14 15 16	9 20 21
			3	17 18 19 20 21 22 23 24 25 26 27 28 29 30	6 27 28
			4	August Septembe s m t w t F s s m t w 1 2 3 4	r T F S
			5	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	7 8 14 ₀ 15 ₀
			6	19 20 21 22 23 24 25 26 27 28 29 30 31 23 24 25 23 24 25 23 24 25 23 24 25 23 30 24 25 26 27 28 29 30 31 24 25 26 27	21 22
			7	October Novembe	
			8	1 2 3 4 5 6 1 7 8 9 10 11 12 13 4 5 6 7 8	2 3 9 10
If you hunted at more than 8 locations and would like to complete additional trip summaries, you can complete them online at www. alaskarecreationsurvey.com or check the box to the right and we will mail you additional summaries once we receive this completed questionnaire.			Yes, please send me additional summaries	14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 5 25 26 27	23 24

12. What is the total number of days you hunted recreationally between June and November 2012? days

Recreation in the Study Area

13. Do you live within the Study Area highlighted on the map on page 7? 1 Yes (skip to Q14a) 2 No

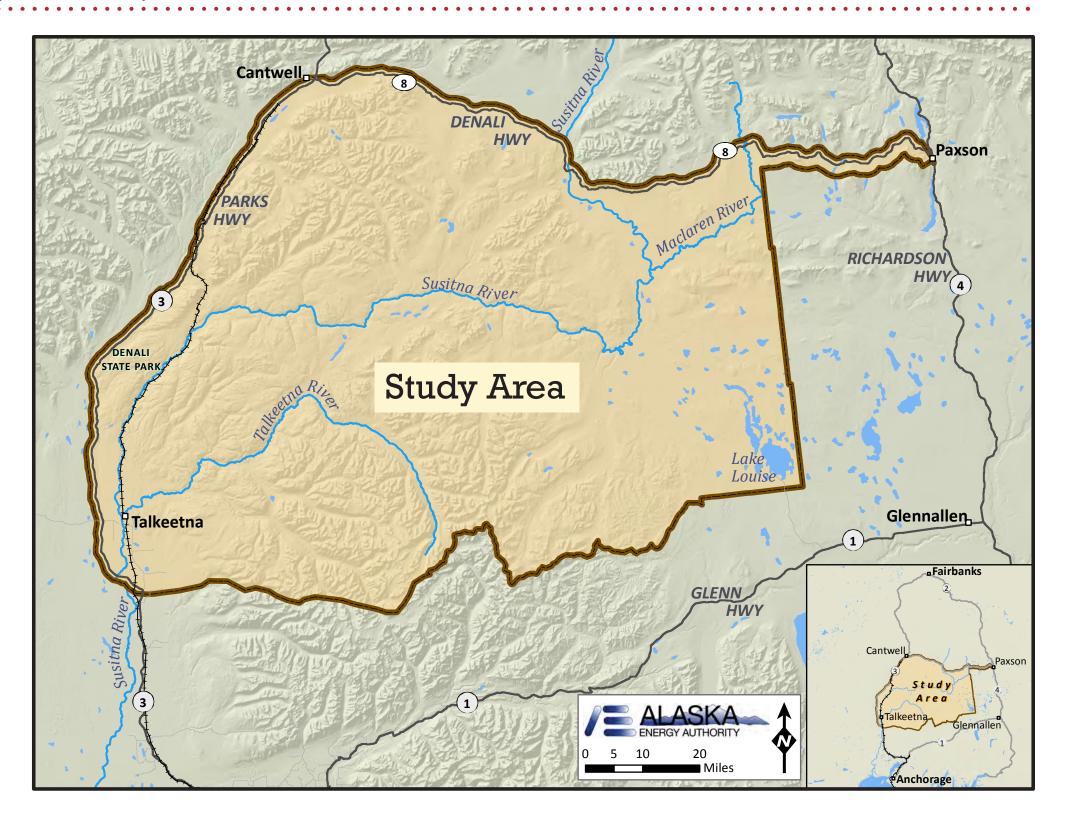
14. Did you visit the Study Area for any outdoor recreational activities between May 2012 and April 2013?

1 Yes (continue to Q14a-c) 2 No (skip to Q33 on page 14)

	RECREATION Between	RECREATION Between May 2012 and April 2013					
	14a.	14b.	14c.				
Recreation Activities	Check box for each activity that you participated in within the Study Area.	About how many days (all or part of a day) did you participate in this activity within the Study Area?	What activities did you participate in on your most recent visit to the Study Area?				
A. Riding the Alaska Railroad	1	# days	1				
B. Bird watching	2	# days	2				
C. Bicycling	3	# days	3				
D. Camping - remote tent	4	# days	4				
E. Camping - RV/cabin/campground/roadside tent	5	# days	5				
F. Collecting berries/mushrooms	6	# days	6				
G. Dog sledding	7 🗌	# days	7				
H. Fishing for salmon	8	# days	8				
I. Fishing for other species	9 🗌	# days	9 🗌				
J. Flightseeing	10	# days	10				
K. Hunting	11	# days	11				
L. Hiking/backpacking	12	# days	12				
M. Motorized boating (jet, prop, air)	13	# days	13				
N. Rafting/canoeing/kayaking/pack raft (non-motorized)	14	# days	14				
O. Riding ATV's	15	# days	15				
P. Skiing	16	# days	16				
Q. Snow machining	17	# days	17				
R. Snowshoeing	18	# days	18				
S. Walking/running	19	# days	19				
T. Wildlife viewing	20	# days	20				
Please write in any additional recreationa Study Area between M	l activities you participate lay 2012 and April 2013	d in while in the					
U. Specify other activity	21	# days	21				
V. Specify other activity	22	# days	22				
W. Specify other activity	23	# days	23				
X. Specify other activity	24	# days	24				

PLEASE CONTINUE TO NEXT PAGE

7 | 2013 Recreational Survey



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Your Most Recent Outing to the Study Area

15. What was your primary recreational activity on your most recent outing in the Study Area?

CHECK ONLY ONE ACTIVITY	15a. (IF HUNTING WAS YOUR PRIMARY ACTIVITY) Which of these was your <u>primary</u> harvest objective? (Do not include trapping.)
01 🗌 Riding the Alaska Railroad	
02 Bird watching	Please select only one.
03 Bicycling	
04 Camping-remote tent	_
05 Camping-RV/cabin/campground/roadside tent	02 🗌 Caribou – State draw permit one bull
06 Collecting berries/mushrooms	03 🗌 Caribou – State registration permit any caribou
07 Dog sledding	04 🗌 Caribou – State community harvest
08 🗌 Fishing for salmon	05 🗌 Caribou – Non-resident
09 Fishing for other species	06 🗌 Moose – Federal subsistence
10 Flightseeing	07 🔲 Moose – State draw permit any bull
11 Hunting	08 Moose – State draw permit cow
12 Hiking/backpacking	09 🗌 Moose – State community harvest
13 Motorized boating (jet, prop, air)	10 Moose – State harvest ticket
14 Rafting/canoeing/kayaking/pack raft (non-motorized)	
15 Riding ATV's	11 Moose – Non-resident
16 Skiing	12 Bear (brown or black)
17 Snow machining	13 Waterfowl
18 Snowshoeing	14 🗌 Upland game birds
19 Walking/running	15 Other
20 Wildlife viewing	
21 Other activity	
16. Where did you participate in your primary activity on your most re- (Please write in the grid number/s found on the map on page 10.)	cent outing in the Study Area? Grid #
1 Yes 2 No (skip to Q18 on the next page) 3 Live in state	
17a. What year did you first visit the study area for this activity? (If you live within the Study Area, please indicate what year you mov	Year ved there.)
17b. In general, how often do you participate in this activity in the St	udy Area?
01 More than 10 times per year 04 Once every few years 02 Two to ten times per year 05 Less than once every few 03 Once every year 05 Less than once every few	years PLEASE CONTINUE TO NEXT PAGE

Your Most Recent Outing to the Study Area

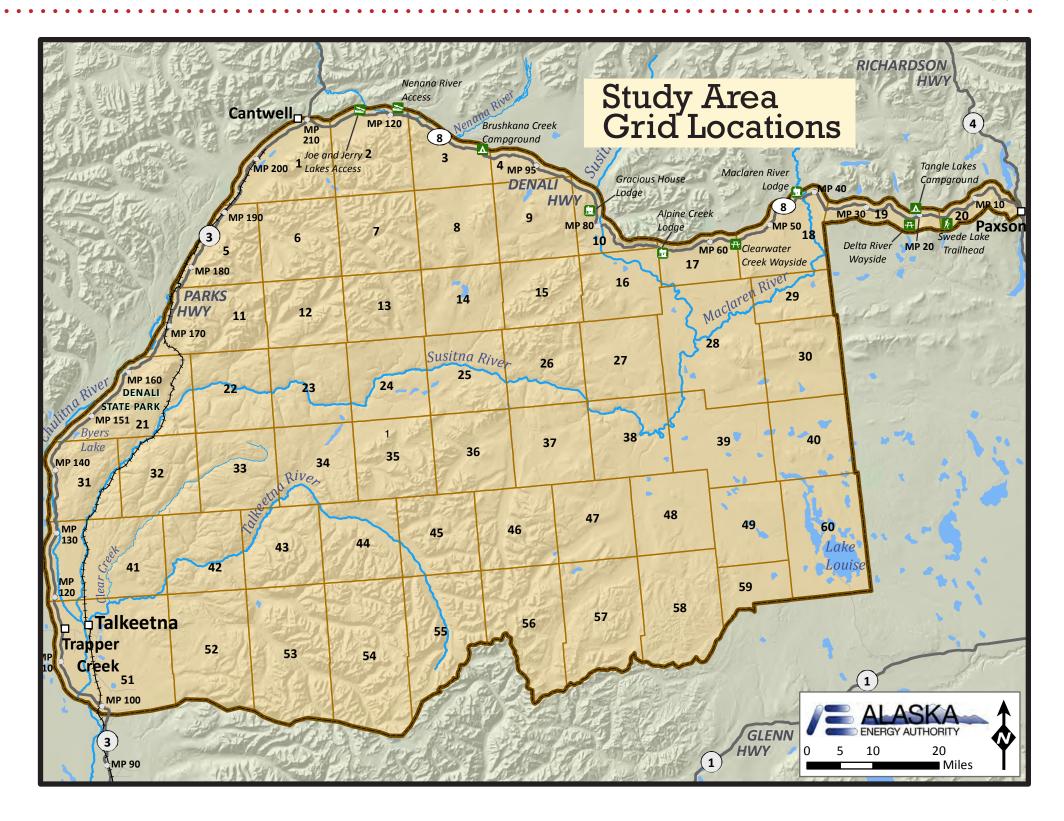
18. Did you hire a g	uide for any portion of your most recent	outing to the Stu	dy Area? 01	Yes 02 No (skip to Q19)	
18a. Did you hir	e the guide for your primary activity?	01 Yes	02 🗌 No		
19. On your last out	ing, did you spend a night anywhere in t	he Study Area (be	esides your prima	ary residence if you live in the Study Area)?	
01 Yes	02 🗌 No (skip to Q22 on page 11)				

20. How many nights did you spend in the Study Area on your last outing? # _____ (If you live in the Study Area, count only nights away from home.)

21. Please record how many nights you spent in each location below and the type of lodging. For additional locations, write in the location name and the grid number found on the map on page 10.

	Grid Number	Hotel/motel/ B&B	Lodge	Private home	Established campground (RV/tent/etc.)	Undeveloped/on- road RV/ camper/ car/ tent	Remote camping (tent)	Other
EXAMPLE: Denali Hwy Mile 45	#3					4	2	
Talkeetna	#51							
Trapper Creek	#51							
Byers Lake	#21							
Cantwell	#1							
Brushkana Creek Campground	#3							
Tangle Lakes	#19							
Lake Louise	#60							
Additional location:								
Additional location:								
Additional location:								
Additional location:								
Additional location:								
Additional location:								





Your Most Recent Outing to the Study Area

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22. Including yourself, how many people were traveling in your immediate PARTY, sharing expenses such as food, lodging, and transportation on your most recent outing in the Study Area?

_____ in party

23. Including yourself, what was the total number of people traveling in your GROUP on your most recent outing in the Study Area? (A group is defined as friends or relatives traveling with you, but not necessarily sharing expenses.)

_____ in group

Place names

24. Was there anyone in your party with a disability or special need related to outdoor recreation activities?

$1 \square Yes \rightarrow$	24a. Specifically, what type of needs do they have?	Wheelchair access to trails
2 🗌 No		² Wheelchair access to facilities
		3 Other:
25. On your la	st outing in the Study Area, did you feel very crowded	l, somewhat crowded, or not crowded?

01 Very crowded 02 Somewhat crowded 03 Not crowded (skip to Q26)

Grid #

25a. If somewhat or very crowded: Do you recall any places in particular where you felt crowded?	1	No (continue to Q26)
Please write in the name of the location/s below and the grid numbers of those locations (Map on page	e 10).	

26. On your last outin	did you experience any conflict with other individuals or groups that negatively impacted your recreation experience in the Study Area
1 Yes	No (skip to Q27)

26a. What type of activity was the other individual or group engaged in? (This could be recreation or other activity.)

26b.	What	specifically	r caused	the	conflict?
------	------	--------------	----------	-----	-----------

27. What signs, if any, of infrastructure or human activity detracted from the scenic quality within the Study Area? (Check all that apply)

	-
01	Nothing

06 🗌 Roads 07 🗌 Trails 11 Other:_____

02 Communication towers

03 Power lines

- 04 Railroad
- 05 🗌 Trash

⁰⁹ Vehicles (RV, ATV, motorcycles, cars, etc.) ¹⁰ People

08 Roadside camping areas



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		Your Mo	st Recent Outing to the Study Area
28.	What noises, if any, detracte	d from your enjoyment of th	e Study Area? (Check all that apply)
	01 Nothing	05 Helicopters	09 🗌 Noise from other people
	02 Gunshots	06 Boats	10 Heavy equipment (road work, quarries, construction)
	03 Airplanes	07 Grour wheeler/ATV	11 Chainsaw
	04 🗌 Jet aircraft sonic boom	08 Cars/trucks/RV	12 Other
29.	in an off-road vehicle, by v 1 Yes 2 No (skip to Q	vatercraft, or by a small airg 30)	one-half mile from a trailhead or main road into the Study Area on foot plane that landed in a remote part of the Study Area? wel more than one-half mile into the Study Area? (Check all that apply)
	01 Walked/hiked	04 🗌 Non-motorized wa	atercraft (canoe, kayak, raft etc.)
	02 Off-road vehicle	05 🗌 Airplane (Landed	more than one-half mile into the Study Area.)
	03 Power boat	06 Other:	
	29b. If you traveled by foc	t or off-road vehicle, did you	ı travel on established trails, off-trail, or both?
	1 Established trails	2 Off-trail 3 B	oth 4 Did not travel by foot or off-road vehicle
	29c. Did you camp in the	Study Area more than one-h	alf mile from a trailhead or main road? 1 Yes 2 No

30. When considering your most recent outing, how important were the following factors in your decision to recreate in the Study Area? (Please circle your answer)

	Very important	Somewhat important	Not important
a. Wildlife viewing opportunities	1	2	3
b. The opportunity to hunt	1	2	3
c. The opportunity to fish	1	2	3
d. The opportunity to experience remote Alaska	1	2	3
e. The opportunity to experience solitude	1	2	3
f. The opportunity to challenge yourself	1	2	3
g. The scenery	1	2	3



Your Most Recent Outing to the Study Area

31. Do you agree or disagree with each of the following statements? (Please circle your answer)

I recreate in the Study Area because	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
a. This area means a lot to me.	1	2	3	4	5
b. No other place can compare to this area.	1	2	3	4	5
c. Recreating here is more important to me than doing it in any other place.	1	2	3	4	5
d. This area is close to my home.	1	2	3	4	5
e. My family has been coming to this area for generations.	1	2	3	4	5

32. Below is a list of outdoor recreation facilities, infrastructure, and sources of information in the Study Area. Please indicate whether there should be more, less or the same in the future. (Please circle your answer)

	A lot more	A little more	The same	A little less	A lot less
a. Maintained roads	1	2	3	4	5
b. Designated parking areas	1	2	3	4	5
c. Roadside toilets	1	2	3	4	5
d. RV accessible sites at campgrounds	1	2	3	4	5
e. Trail maps	1	2	3	4	5
f. Designated trails for non-motorized use	1	2	3	4	5
g. Designated trails for off-road vehicles	1	2	3	4	5
h. Directional road signs	1	2	3	4	5
i. Visitor information	1	2	3	4	5
j.Visitor centers	1	2	3	4	5
k. Public use cabins	1	2	3	4	5
l. Boat launches	1	2	3	4	5
m. Facilities for the disabled	1	2	3	4	5



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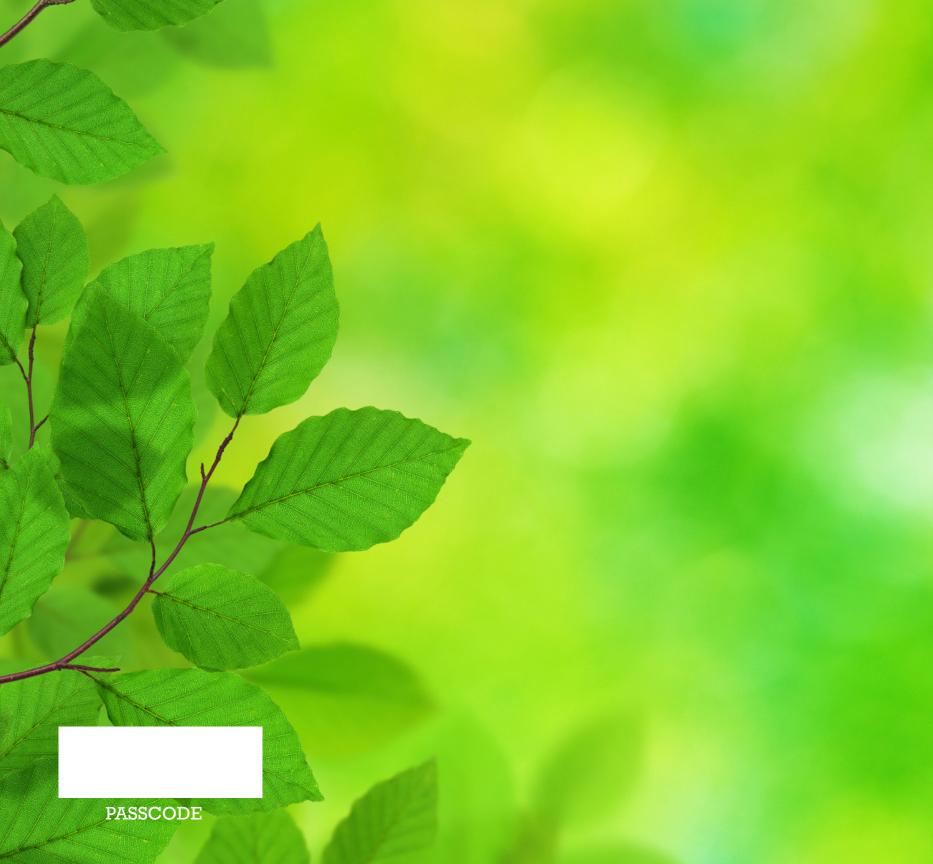
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Demographics

33. In what year were you born? 19	_	
34. Your gender: 1 Male 2 Fem	nale	
35. Are you married? 1 Yes 2	No	
36. Including yourself, how many people	e live in your household for at least six months of the	e year? #
37. Do children under the age of 18 live i	in your household? 1 Yes 2 No	
38. Which category best describes your	household income before taxes for 2012?	
01 Less than \$20,000 04	\$50,001 to \$75,000 or more \$150,000 or more	re
02 \$20,001 to \$35,000 05	\$75,001 to \$99,999	
03 \$35,001 to \$50,000 06	\$100,000 to \$149,999	
39. Which category best describes your	race?	
01 White 04	American Indian or Alaska Native 07	Some other race
02 Black or African American 05	Asian	
03 Hispanic 06	Native Hawaiian or Other Pacific Islander	
40. What is the highest degree or level o	of school you have COMPLETED?	
01 🗌 Less than 9 th grade	04 Some college, no degree 07	Graduate or professional degree
$_{02}$ \Box 9th to 12 th grade, no diploma	05 🗌 Associate's degree	
03 High school graduate, GED, or alte	ernative 06 Bachelor's degree	
41. Are you a professional guide for any a	recreation activities?	
1 ☐ Yes> Q 41a. W	That type of activities do you guide? (Check all that ap	ply)
² No (continue to Q42)	01 Snow machining 03 Hunting 05	Other
c	02 Fishing 04 Boat/float tour	
42. Do you or your family own a cabin in	Alaska?	
	proximately where is your cabin located?	
2 🗌 No		Cabin location
	ay be conducting additional research. Would you be used or shared for any other purpose.	willing to participate in a follow-up survey?
1 Yes 2 No		
43a. To follow up with you, may we l	have your email address or phone number?	
Email address or phone numbe	er	_ Thank you for participating

Thank you for participating in this survey!



Alaska Outdoor Recreation SURVEY



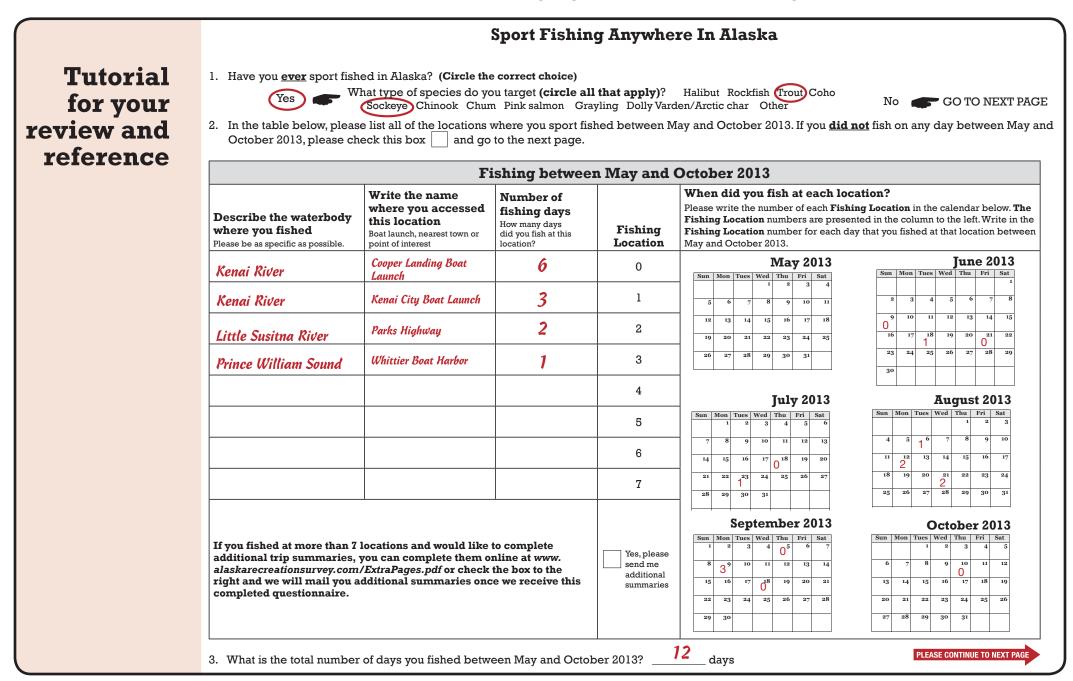




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Alaska Outdoor Recreation

Thank you for helping us learn more about outdoor recreation activities in Alaska. The next four pages contain questions about your fishing, boating, hunting, and snowmaching outings. Below is a tutorial of how to complete the questions. The text in red illustrates the type of information that you would provide as answers to your questions. **Please review this tutorial before going to Question 1 on the next page.**



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Sport Fishing Anywhere In Alaska

If you have any questions on how to complete this summary, please refer to the tutorial on Page 1.

1. Have you ever sport fished in Alaska? (Circle the correct choice)

Yes

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, What type of species do you target (circle all that apply)? Halibut Rockfish Trout Coho Sockeye Chinook Chum Pink salmon Grayling Dolly Varden/Arctic char Other



2. In the table below, please list all of the locations where you sport fished between May and October 2013. If you **did not** fish on any day between May and October 2013, please check this box and go to Question 4 on the next page.

	Spor	t Fishing betwe	een May ar	nd October 2013		
Describe the waterbody where you fished Please be as specific as possible.	Write the name where you accessed this location Boat launch, nearest town or point of interest	Number of fishing days How many days did you fish at this location?	Fishing Location	When did you fish at each location? Please write the number of each Fishing Location in the calendar below. The Fishing Location numbers are presented in the column to the left. Write in the Fishing Location number for each day that you fished at that location between May and October 2013.		
Example: Kenai River	Cooper Landing Boat Launch	10	0	May 2013	June 2013	
			1	Sun Mon Tues Wed Thu Fri Sat 1 2 3 4 5 6 7 8 9 10 11 0 0 0 0 0 11 12 13 14 15 16 17 18	2 3 4 5 6 7 8 9 10 11 12 13 14 15	
			2	19 20 21 22 23 24 25 26 27 28 29 30 31	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
			3	July 2013	³⁰ August 2013	
			4	Sun Mon Tues Wed Thu Fri Sat 1 2 3 4 5 6 7 8 9 10 11 12 13	Sun Mon Tues Wed Thu Fri Sat 4 5 6 7 8 9 10	
			5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	11 12 13 14 15 16 17 18 19 20 21 22 23 24	
			6		25 26 27 28 29 30 31	
			7	Sun Mon Tues Wed Thu Fri Sat 1 2 3 4 5 6 7 8 9 10 11 12 13 14	Sun Mon Tues Wed Thu Fri Sat 1 2 3 4 5 6 7 8 9 10 11 12	
additional trip summaries, y www.alaskarecreationsurvey.	an 7 locations and would like ou can complete them online <i>com/ExtraPages.pdf</i> or check nal summaries once we receiv	at the box to the right	Yes, please send me additional summaries	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1	

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3. What is the total number of days you sport fished between May and October 2013? _____ days

PLEASE CONTINUE TO NEXT PAGE

Recreational Boating Anywhere In Alaska

If you have any questions on how to complete this summary, please refer to the tutorial on Page 1.

4. **Other than fishing**, have you ever gone recreational boating in Alaska? (Circle the correct choice)

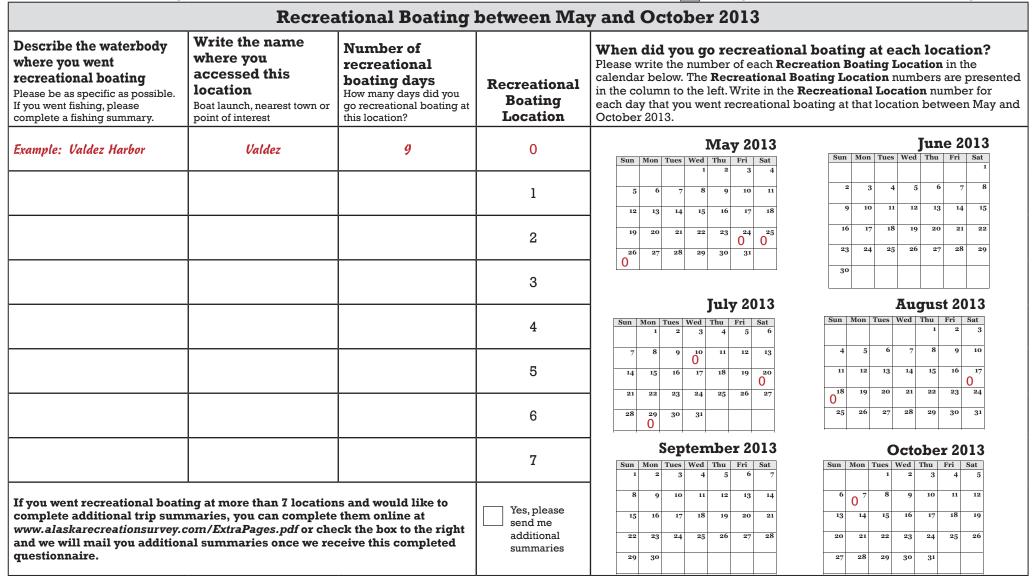
Yes 🖝	
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What type of recreational boating do you do (circle all that apply)? Canoeing Kayaking Motor/Air boating Drift boating Rafting Sailing Other

No **GOTO NEXT PAGE**

5. In the table below, please list all of the locations where you went recreational boating between May and October 2013. If you **did not** go recreational boating on any day between May and October 2013, please check this box and go to Question 7 on the next page.



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6. What is the total number of days you went recreational boating between May and October 2013? _____

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Hunting Anywhere In Alaska

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If you have any questions on how to complete this summary, please refer to the tutorial on Page 1.

7. Have you ever hunted in Alaska? (Circle the correct choice)

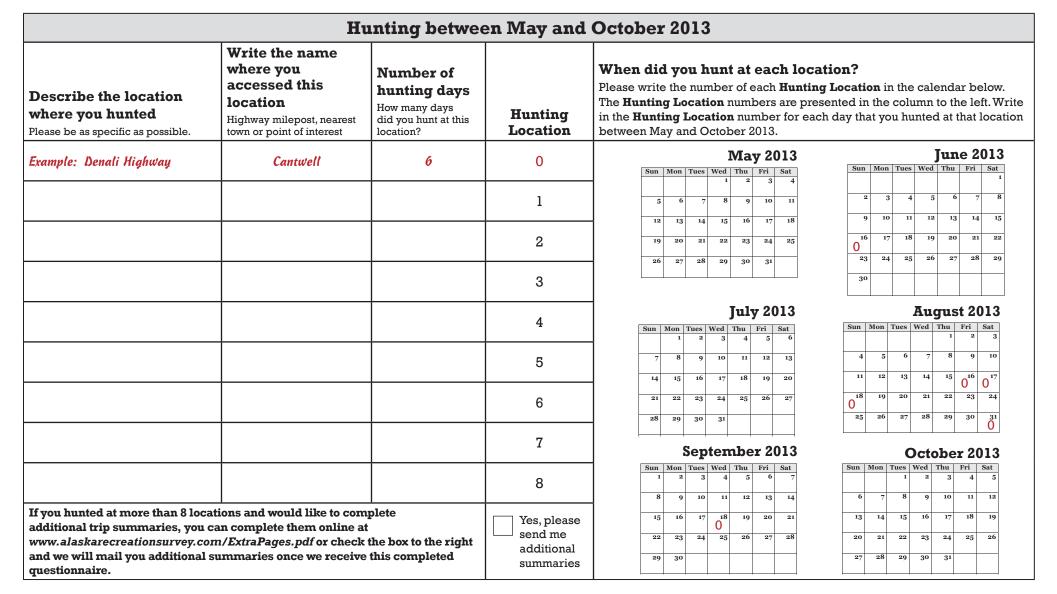


What type of game do you hunt (circle all that apply)?

Big game Small game Upland birds Waterfowl Other



8. In the table below, please list all of the locations where you hunted between May and October 2013. If you **did not** go hunting on any day between May and October 2013, please check this box and go to Question 10 on the next page.



What is the total number of days you hunted between May and October 2013?

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days

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Recreational Snow Machining Anywhere In Alaska

If you have any questions on how to complete this summary, please refer to the tutorial on Page 1.

10. Have you ever snow machined recreationally in Alaska? (Circle the correct choice)

Yes GO TO QUESTION 11

No GO TO NEXT PAGE

11. In the table below, please list all of the locations where you snow machined recreationally between May and October 2013. If you **did not** snow machine on any day between May and October 2013, please check this box and go to the next page.

Snow Machining between May and October 2013					
Describe the location where you snow machinedWrite the name where you accessed this location Trailhead name, nearest town or point of interest, highway milepostNumber of snow machining days How many days did you snow machine at this location?			Snow Machining Location	When did you snow machine at each location? Please write the number of each Snow Machining Location in the calendar below. The Snow Machining Location numbers are presented in the column to the left. Write in the Snow Machining Location number for each day that you snow machined at that location between May and October 2013.	
Example: Turnagain Pass Trail	Trailhead in Sunnyside	6	0	May 2013	Sun Mon Tues Wed Thu Fri Sat
			1	1 2 3 4 5 6 7 8 9 10 11	2 3 4 5 6 7 8
			2	12 13 14 15 16 17 18 19 20 21 22 23 24 25	9 10 11 12 13 14 15 16 17 18 19 20 21 22
			3	26 27 28 29 30 31 0	23 24 25 26 27 28 29 30
			4	July 2013	August 2013
			5	Sun Mon Tues Wed Thu Fri Sat 1 2 3 4 5 6 7 8 9 10 11 12 13	Sun Mon Tues Wed Thu Fri Sat 4 5 6 7 8 9 10
			6	14 15 16 17 18 19 20 21 22 23 24 25 26 27	11 12 13 14 15 16 17 18 19 20 21 22 23 24
			7		25 26 27 28 29 30 31
			8	September 2013	October 2013 Sun Mon Tues Wed Thu Fri Sat
			9	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
If you snow machined at more than 9 locations and would like to complete additional trip summaries, you can complete them online at <i>www.alaskarecreationsurvey.com/ExtraPages.pdf</i> or check the box to the right and we will mail you additional summaries once we receive this completed questionnaire.			Yes, please send me additional summaries	15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 1 19 10	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

12. What is the total number of days you snow machined recreationally between May and October 2013?

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Recreation in the Study Area

Next, we would like to ask you about all of your outdoor recreational activity in a specific study area. A map displaying the Study Area is found on the next page (page 7).

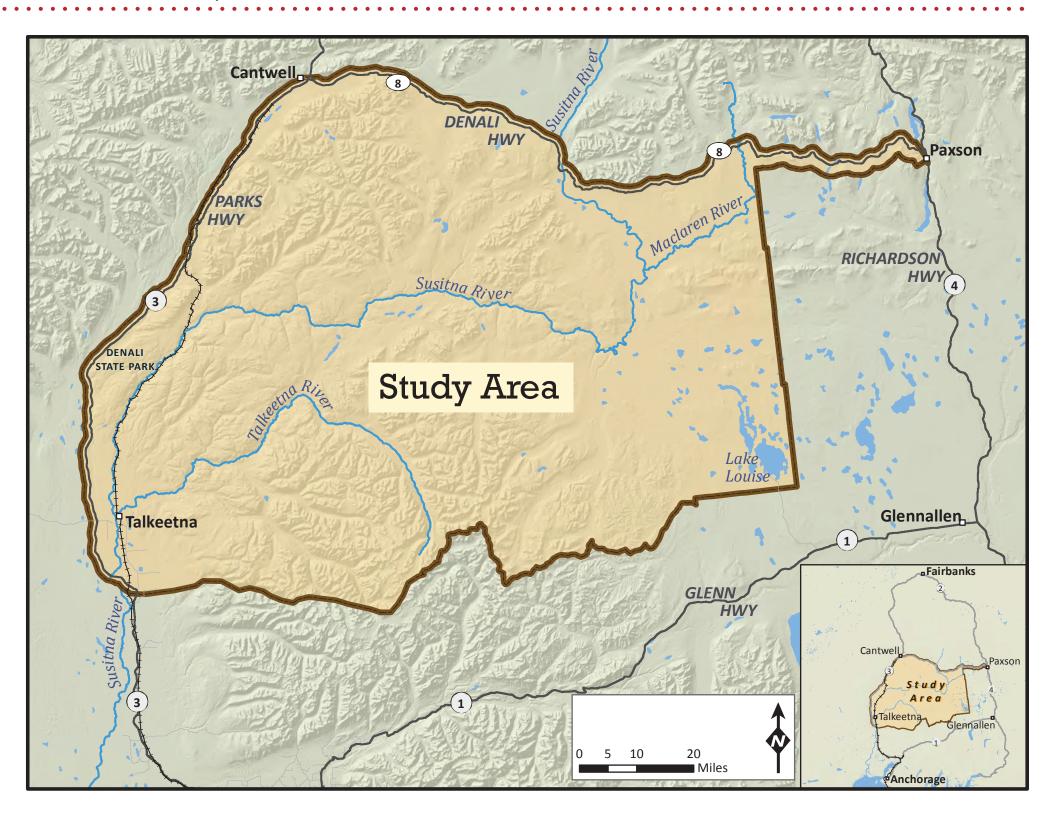
13. Do you live within the Study Area highlighted on the map on page 7?			Most Recent Trip Between November	
	RECREATION Between Nov	2012 and October 2013		
14. Between November 2012 and October 2013, how many total days did you recreate in the Study Area?	14a.	14b.	14c.	
#of days (continue to Q14a-c) 2 Did not recreate in the Study Area (skip to Q33) Recreation Activities	Check box for each activity that you participated in within the Study Area.	About how many days (all or part of a day) did you participate in this activity within the Study Area?	What activities did you participate in on your most recent visit to the Study Area?	
A. Riding the Alaska Railroad		# days		
B. Bird watching	2	# days	2	
C. Bicycling	3	# days	3	
D. Camping - remote tent/cabin	4	# days	4	
E. Camping - RV/campground/roadside	5	# days	5	
F. Collecting berries/mushrooms	6	# days	6	
G. Dog sledding	7	# days	7	
H. Fishing for salmon	8	# days	8	
I. Fishing for other species	9 🗌	# days	9 🗌	
J. Flightseeing	10	# days	10	
K. Hunting	11	# days	11	
L. Hiking/backpacking	12	# days	12	
M. Motorized boating (jet, prop, air)	13	# days	13	
N. Rafting/canoeing/kayaking/pack raft (non-motorized)	14	# days	14	
O. Riding ATV's	15	# days	15	
P. Skiing	16	# days	16	
Q. Snow machining	17	# days	17	
R. Snowshoeing	18	# days	18	
S. Walking/running	19	# days	19	
T. Wildlife viewing	20	# days	20	
	al recreational activities y etween November 2012 and	ou participated in while in th d October 2013	le	
U. Specify other activity	21	# days	21	
V. Specify other activity	22	# days	22	

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7 | 2013 Alaska Outdoor Recreation Survey



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Your Most Recent Outing to the Study Area Between November 2012 and October 2013

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15. What was your <u>primary recreational activity</u> on your most recent outing in the Study Area?

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CHECK ONLY ONE PRIMARY ACTIVITY for your most recent activity in the study area between November 2012 and October 2013

 01 Riding the Alaska Railroad 02 Bird watching 03 Dia Minimizian 	15a. (IF HUNTING WAS YOUR PRIMARY ACTIVITY) Which of these was your <u>primary</u> harvest objective? (Do not include trapping.)
 Bicycling Camping-remote tent/cabin Camping-RV/campground/roadside Collecting berries/mushrooms Dog sledding Fishing for salmon 	Please <u>select only one.</u> 1 Caribou – Federal subsistence 2 Caribou – State draw permit one bull 3 Caribou – State registration permit any caribou
 1 Infinity for summer 9 Fishing for other species 10 Flightseeing 11 Hunting 12 Hiking/backpacking 13 Motorized boating (jet, prop, air) 14 Rafting/canoeing/kayaking/pack raft (non-motorized) 	 Garibou - State community harvest Garibou - Non-resident Moose - Federal subsistence Moose - State draw permit any bull Moose - State draw permit cow Moose - State community harvest
 15 Riding ATV's 16 Skiing 17 Snow machining 18 Snowshoeing 19 Walking/running 20 Wildlife viewing 21 Other activity 	 10 Moose – State harvest ticket 11 Moose – Non-resident 12 Bear (brown or black) 13 Waterfowl 14 Upland game birds 15 Other
 16. Where did you participate in your primary activity on your most real (Please write in the grid number/s found on the map on page 10.) 17. Had you ever been to the Study Area for this primary activity prior to the study Area for this primary activity prior to the study Area for this primary activity prior to the study Area for this primary activity prior to the study Area for this primary activity prior to the study Area for this primary activity prior to the study Area for this primary activity prior to the study Area for this primary activity prior to the study Area for this primary activity prior to the study Area for this primary activity prior to the study Area for the study Area f	cent outing in the Study Area? Grid #
 Yes No (skip to Q18 on the next page) 3 Live in st I7a. What year did you first visit the study area for this primary active (If you live within the Study Area, please indicate what year you move) 	vity? Year ved there.)
 17b. In general, how often do you participate in this primary activity 01 More than 10 times per year 02 Two to ten times per year 03 Once every year 	

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Your Most Recent Outing to the Study Area Between November 2012 and October 2013

02 No (skip to Q19) 18. Did you hire a guide for any portion of your most recent outing to the Study Area? 01 Yes

18a. Did you hire the guide for your primary activity? 01 Yes 02 **No**

19. On your most recent outing to the Study Area between November 2012 and October 2013, did you spend any nights in the Study Area (besides your primary residence if you live in the Study Area)?

01 🗌 Yes 02 No (skip to Q22 on page 11)

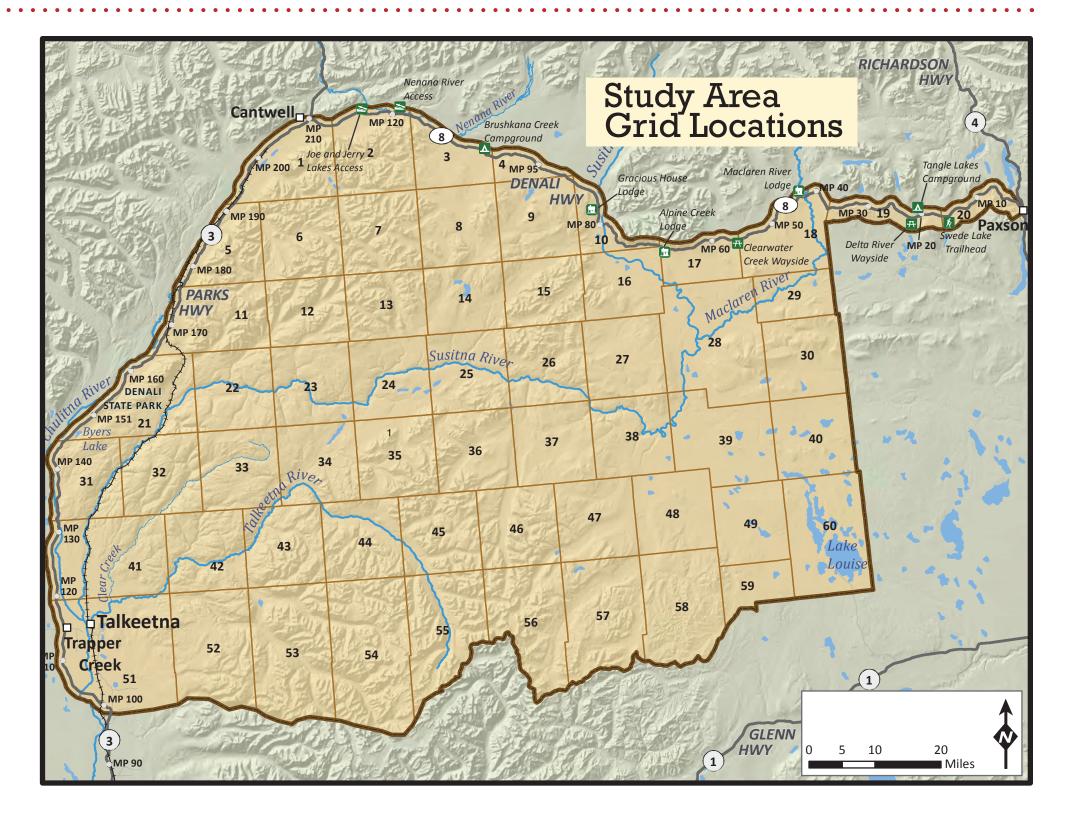
- 20. How many nights did you spend in the Study Area on your most recent outing? #_____ (If you live in the Study Area, count only nights away from home.)
- 21. Please record the number of nights you spent in each location below and the type of lodging used during your most recent outing. For additional locations, write in the location name and the grid number found on the map on page 10. In the example below, the party spent 6 nights on the Denali Highway, including 4 nights in an undeveloped campground and 2 nights in a remote tent.

	Grid Number	Hotel/motel/ B&B	Lodge	Private home	Established campground (RV/tent/etc.)	Undeveloped/ roadside RV/ camper/car/tent	Remote tent/cabin	Other	Total Nights Each Location
EXAMPLE: Denali Hwy Mile 45	#3					4	2		6
Talkeetna	#51								
Trapper Creek	#51								
Byers Lake	#21								
Cantwell	#1								
Brushkana Creek Campground	#3								
Tangle Lakes	#19								
Lake Louise	#60								
Additional location:									
Additional location:									
Additional location:									
Additional location:									
Additional location:									
Additional location:									

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2013 Alaska Outdoor Recreation Survey | 10



Your Most Recent Outing to the Study Area Between November 2012 and October 2013

22.	ncluding yourself, how many people were traveling in your immediate PARTY, sharing expenses such as food, lodging, and transportation on your most rec	ent
	uting in the Study Area?	

_____ in party

22a. How many people in your party were under the age of 18? # ______ in party

22b. How many people in your party live in your household for at least 6 months of the year? # ______ in party

23. Including yourself, what was the total number of people traveling in your GROUP on your most recent outing in the Study Area? (A "group" is defined as friends or relatives traveling with you, but not necessarily sharing expenses.)

_____ in group

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24. Was there anyone in your party with a disability or special need related to outdoor recreation activities?

1	$\hfill ext{Yes} o ext{ 24a. Specifically, what type of needs do they have the type of needs do the the type of needs do the type have the type of type of type of the type of type of$	ve? 1 Wheelchair access to trails
2[🗌 No	2 Wheelchair access to facilities
		3 Other:
25. O	On your most recent outing in the Study Area, did you feel w	very crowded, somewhat crowded, or not crowded?
01	Very crowded 02 Somewhat crowded	03 Not crowded (skip to Q26)
2	5a. If somewhat or very crowded: Do you recall any places Please write in the name of the location/s below and the gr	
	Place names Grid #	
26. C	On your most recent outing, did you experience any conflict v	with other individuals or groups that negatively impacted your recreation experience in the Study Area?
	Dn your most recent outing, did you experience any conflict w Yes 2 No (skip to Q27)	with other individuals or groups that negatively impacted your recreation experience in the Study Area?
1	☐ Yes 2☐ No (skip to Q27)	
1		
1 2	Yes 2 No (skip to Q27) 6a. What type of activity was the other individual or group	
1 2	☐ Yes 2☐ No (skip to Q27)	
1 2	Yes 2 No (skip to Q27) 6a. What type of activity was the other individual or group	
1 2 	 Yes 2 No (skip to Q27) 6a. What type of activity was the other individual or group 6b. What specifically caused the conflict? 	
1 2 2 2 2 2 2 2 2 2 2 2 7. W	 Yes 2 No (skip to Q27) 6a. What type of activity was the other individual or group 6b. What specifically caused the conflict? 	engaged in? (This could be recreation or other activity.)
1 2 2 2 2 2 2 2 2 2 2 2 7. W	 Yes 2 No (skip to Q27) 6a. What type of activity was the other individual or group 6b. What specifically caused the conflict? What signs, if any, of infrastructure or human activity detrated by the second second	engaged in? (This could be recreation or other activity.)
1 2 2 2 27. W 01 02	 Yes 2 No (skip to Q27) 6a. What type of activity was the other individual or group 6b. What specifically caused the conflict? What signs, if any, of infrastructure or human activity detrated Nothing 06 Roads 	engaged in? (This could be recreation or other activity.) Acted from the scenic quality within the Study Area? (Check all that apply) 11 Other:
1 2 2 2 27. W 01 02	 Yes 2 No (skip to Q27) 6a. What type of activity was the other individual or group 6b. What specifically caused the conflict? What signs, if any, of infrastructure or human activity detrated Nothing 06 Roads Communication towers 07 Trails Power lines 08 Roadside camping at the second sec	engaged in? (This could be recreation or other activity.) Acted from the scenic quality within the Study Area? (Check all that apply) 11 Other:

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Your Most R	ecent Outing to th	e Study Area Bet	ween November 20	12 and October 2013
28. What noises, if any, detracte	d from your enjoyment of the	e Study Area? (Check all th	at apply)	
01 Nothing	05 Helicopters	09 🗌 Noise from other p	eople	13 Other
02 Gunshots	06 Boats	10 Heavy equipment ((road work, quarries, construction)
03 Airplanes	07 🗌 Four wheeler/ATV	11 Chainsaw		
04 🗌 Jet aircraft sonic boom	08 Cars/trucks/RV	12 Snow machine		
29. On your most recent outin	g, did you travel more than o	ne-half mile from a trailh	ead or main road into the Study	Area?
1 Yes 2 No (skip to	Q30)			
			la inte the Studie Tweed (Cheele el	
29a. which modes of tran	sportation ald you use to trav	/el more than one-hall mil	le into the Study Area? (Check al	i that apply)
01 Off-road vehicle/ATV			05 Snow Machine	
02 Motorized watercraft ((skip to Q29c)		06 🗌 Ski	
03 Non-motorized water	raft (canoe, kayak, raft, etc.) (s	kip to Q29c)	07 Snoeshoe	
04 Airplane (landed more	e than one-half mile into the Stu	udy Area) (skip to Q29c)	08 Walked/hiked	
			09 Other:	
29b. Did you travel on est	ablished trails, off-trail, or b	oth?		
1 Established trails	2 Off-trail 3 B	oth		
29c. Did you camp in the	Study Area more than one-ha	.lf mile from a trailhead o	r main road? 1 Yes 2	No

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30. When considering your most recent outing, how important were the following factors in your decision to recreate in the Study Area? (Please circle your answer)

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	Very important	Somewhat important	Not important
a. Wildlife viewing opportunities	1	2	3
b. The opportunity to hunt	1	2	3
c. The opportunity to fish	1	2	3
d. The opportunity to experience remote Alaska	1	2	3
e. The opportunity to experience solitude	1	2	3
f. The opportunity to challenge yourself	1	2	3
g. The scenery	1	2	3

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Your Most Recent Outing to the Study Area Between November 2012 and October 2013

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31. Do you agree or disagree with each of the following statements? (Please circle your answer)

I recreate in the Study Area because	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
a. This area means a lot to me.	1	2	3	4	5
b. No other place can compare to this area.	1	2	3	4	5
c. Recreating here is more important to me than doing it in any other place.	1	2	3	4	5
d. This area is close to my home.	1	2	3	4	5
e. My family has been coming to this area for generations.	1	2	3	4	5

32. Below is a list of outdoor recreation facilities, infrastructure, and sources of information in the Study Area. Please indicate whether there should be more, less or the same in the future. (Please circle your answer)

	A lot more	A little more	The same	A little less	A lot less
a. Maintained roads	1	2	3	4	5
b. Designated parking areas	1	2	3	4	5
c. Roadside toilets	1	2	3	4	5
d. RV accessible sites at campgrounds	1	2	3	4	5
e. Trail maps	1	2	3	4	5
f. Designated trails for non-motorized use	1	2	3	4	5
g. Designated trails for off-road vehicles	1	2	3	4	5
h. Directional road signs	1	2	3	4	5
i. Visitor information	1	2	3	4	5
j.Visitor centers	1	2	3	4	5
k. Public use cabins	1	2	3	4	5
l. Boat launches	1	2	3	4	5
m. Facilities for the disabled	1	2	3	4	5

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	Demographics
33. In what year were you born?	' 19
34. Your gender: 1 Male	2 Female
35. Are you married? 1	s 2 No
36. Including yourself, how mar	ny people live in your household for at least six months of the year? #
37. Do children under the age of	f 18 live in your household? 1 Yes 2 No
38. Which category best descrik	bes your household income before taxes for 2012?
01 Less than \$20,000	04 50,000 to \$74,999 07 \$150,000 or more
02 State \$20,000 to \$34,999	05 🗌 \$75,000 to \$99,999
03 🗌 \$35,000 to \$49,999	06 🗌 \$100,000 to \$149,999
39. Which categories (or catego	ries) best describe your race? (Check all that apply)
01 White	04 American Indian or Alaska Native 07 Some other race
02 🗌 Black or African America	an 05 🗌 Asian
03 Hispanic	06 🗌 Native Hawaiian or Other Pacific Islander
40. What is the highest degree o	or level of school you have COMPLETED?
01 Less than 9 th grade	04 Some college, no degree 07 Graduate or professional degree
02 9 th to 12^{th} grade, no diplo	ma 05 Associate's degree
03 🗌 High school graduate, GI	ED, or alternative 06 Bachelor's degree
41. Are you a professional guide	for any recreation activities?
$1 \square Yes \longrightarrow ($	Q 41a. What type of activities do you guide? (Check all that apply)
2 No (continue to Q42)	01 Snow machining 03 Hunting 05 Other
	02 Fishing 04 Boat/float tour
42. Do you or your family own a : 	
	Q42a. Approximately where is your cabin located?
$2 \square$ No	Cabin location
Your contact information will	idy we may be conducting additional research. Would you be willing to participate in a follow-up survey? Il not be used or shared for any other purpose.
1 Yes	2 No

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Email address or phone number____

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Thank you for participating in this survey!

Please enclose your completed survey in the postage-paid envelope provided and mail to:

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McDowell Group, Inc.

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9360 Glacier Hwy., Suite 201 Juneau, Alaska 99801-9947

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PASSWORD

Susitna-Watana Hydroelectric Project (FERC No. 14241)

Recreation Resources Study (12.5)

Part A - Appendix M Intercept Survey

Initial Study Report

Prepared for

Alaska Energy Authority



Prepared by

URS Corporation

June 2014

Susitna-Watana Recreation Intercept Survey

Interviewer Name	Refusals S	61	S2	Q1
Date	Survey Location (gr	id numbe	r)	
Time	Survey Location (ad	ditional i	nfo)	

Time

with the McDowell Group. We're conducting a recreation study for the Hi, I'm State of Alaska as part of the Susitna-Watana Hydroelectric Project. I'd like to ask you a few questions about your recreation in the Study Area. (Show Study Area Map) When you participate you will be entered in a drawing for your choice of a \$1,000 gift certificate from Amazon.com or Cabela's.

S1. Are you participating in any outdoor recreational activities on this outing?

1⊓ Yes 2□ No (thank and end survey)

S2. Have you completed an in-person Susitna-Watana Recreation survey this year?

1□ Yes (thank and end survey) 2**□** No

- 1. Are you in the Study Area just for the day, on an overnight visit, just passing through on your way to somewhere else, or do you live in the Study Area? (Show Study Area Map)
 - 1 Just passing through (Probe, then thank and end survey)
 - ² Day visit \rightarrow Where are you visiting in the Study Area? (check boxes Q4)

3□ Overnight visit (skip to Q1a)

4 Live in the study area (if they are overnighting away from home continue/if day visit skip to Q4)

1a. In total, how many nights will you spend in the Study Area on this trip? # _ _ 1□ DK/ref. 1b. As of today, how many nights have you spent in the Study Area so far? # ____ ____ 1□ DK/ref.

2. Considering your entire trip, are you overnighting in any of these places on this trip? (Show list 1-9)

- 2a. Are you overnighting anywhere else in the Study Area on this trip? (Show map, probe for specific grid locations.)
- 3. How many nights are you spending in _____? 3a. In what type of lodging?

	Q 2/3	2a. Grid #	Hotel/ motel/ B&B	Lodge	Private home	Established campground (RV/tent/etc.)	Undeveloped/ on-road RV/ camper/car/ tent	Remote camping (tent/cabin)	Other	Q4. DAY VISIT ?
01	Talkeetna	#51								01 🗖
02	Talkeetna Lodge	#41								02
03	Trapper Creek	#51								03 🗖
04	McKinley Princess	#31								04
05	Byers Lake	#21								05 🗖
06	Cantwell	#1								06 🗖
07	Brushkana	#3								07 🗖
08	Tangle Lakes	#19								08🗖
09	Lake Louise	#60								09
10	Other									10
11	Other									11 🗖
12	Other									12
13	Other									13🗖
14	Other									14
15	Other									15 🗖
16	Other									16 🗖
17	Other									17 🗖
18	Other									18🗖
				_						− ↑

4. Are you visiting anywhere in the Study Area without spending the night? _____

1 None

5.	Please tell me if you have participated, or will participate, in any of the following recreational activities within the Study Area on this outing. (Show list below, check all that apply) Are you participating in any other kinds of recreation on this outing? (Record under "other")					
	5a. Can you tell me where you have or will in the study area on this outing? (Show map, ask for each activity. Record grid numbers.)					
6.	Which activity was the primary reason for this outing to the Study Area? (activity letter) 1DK/ref.					
	6aa. How many days will you (primary activity) on this outing? (day=any part of a day) 02 DK/ref					
	6a. Did you hire a guide for (primary activity) on this outing? 01 Yes 02 No 03 DK/ref.					
6b. Have you ever been to the study area for (primary activity) before this outing?						
	1□ Yes 2□ No (skip to Q7) 3□ DK/ref. (skip to Q7)					
	6c. What year did you first (primary activity) in the study area? 1 DK/ref.					
6d. In general, how often do you (primary activity) in the study area? (Read 1-5)						
	1□ More than 10 times per year 4□ Once every few years 2□ Two to ten times per year 5□ Less often 3□ Once every year 6□ DK/ref.					

7. Have you engaged in any other recreational activities in the study area in the last 12 months?

1 ☐ Yes 2 ☐ No (skip to Q7c) 3 ☐ DK/ref. (skip to Q7c)

7a. Which activities did you participate in on those outings? (Show list, check all that apply, ask for other)

7b. On about how many days in the last 12 mths, not counting this outing, did you (activity) within the study area?

	Q5. This outing	Q5a. Where grid #	Q7a. Past 12 mos.	Q7b. # of days
A. Alaska Railroad	10		10	
B. Bird watching	2		2□	
C. Bicycling	3□		3□	
D. Camping-remote tent/cabin	4 🗖		4□	
E. Camping-RV/campground/roadside	5🗖		5 🗖	
F. Collecting berries/mushrooms	6□		6□	
G. Dog sledding	7🗖		70	
H. Fishing for salmon	8□		8□	
I. Fishing for other species	9🗖		9□	
J. Flightseeing	10□		10□	
K. Hunting	11□♦		11□	
L. Hiking/backpacking	12□		12□	
M. Motorized boating (jet, prop, air)	13□		13□	
N. Rafting/canoeing/kayaking/pack raft (non-motorized)	14🗖		14□	
O. Riding ATV's	15🗖		15🗖	
P. Skiing	16□		16□	
Q. Snow machining	17🗖		17🗖	
R. Snowshoeing	18🗖		18□	
S. Walking/running	19🗖		19🗖	
T. Wildlife viewing	20		20	
U. Other	21		21	
V. Other	22		22□	
W. Other	23□		23□	
X. Other	24□		24	

 ◆ 5b. (If hunting): Please show me which one of these is your <u>primary</u> harvest objective for this hunt. No individual information you provide will be shared with anyone. All data will be presented as group totals. (Show list; select only one.) 2□ No (skip back up to Q6)

- o1□ Caribou Federal subsistence
- 02□ Caribou State draw permit one bull
- 03□ Caribou State registration permit any caribou
- 04 Caribou State community harvest
- 05 Caribou Non-resident
- 06 Moose Federal subsistence
- 07 Moose State draw permit any bull
- 08□ Moose State draw permit cow

- Moose State community harvest
 Moose State harvest ticket
- 11 Moose Non-resident
- 12□ Bear (brown or black)
- 13 Waterfowl
- 14**D** Ptarmigan
- 15 Other____

(Skip Back Up to Q6)

			uting, di □ Yes			iore than (tip to Q8)		mile fro DK/re			or main r	oad into	the Study
		7d. Where	e was yo	our mos	t recen	it excursio	on into th	e Stud	y Area	of more	than on	e-half mil	e?
		(show	detail m	nap) gric	l numb	er/s		1 □ DK/r	ef.				
		7e. How c	often did	l you er	counte	er other pe	ople on	that ex	cursior	n? (read	1-3)		
		1 □ Ne	ver	2	1 to 6 ti	imes	3□	>6 tim	nes	4	DK/ref.		
		7f. On th	at excur	rsion, di	id you t	travel on e	establish	ed trails	s, off-tr	ail, or b	oth?		
		1⊡ Est	tablishec	d trails	2	Off-trail		3□	Both		4 □ DK/	ref.	
			at excur a trailhe			camp or s I Yes	tay overr 2□	n ight in No	the St	udy Are ₃⊡	a more th DK/		nalf mile
8.		erall, how ere 1 meai										cale of 1	– 10,
No		Il crowded						,		Very cr	,		
1		2	3	4	5	6	7	8	9	10		DK/ref.	
	8a.	lf 7 to 10: (Show m <u>Grid #</u>	ap, recoi	rd grid n	umber.	ce in partic Record pla ntioned						f.	
									_				
9.		this outin bacted you Yes		ation ex	perienc					s or gro	oups that	negative	ly
	1	Tes	2	110 (Sr		10) 3	Drviei (Sr		10)				
	9a.	What typ (could be					idual or g	group e	engage	d in?			
									1□ [DK/ref (s	kip to Q1	0)	
	9b.	What sp	ecifically	y cause	d the c	onflict?							
									1□ [0K/ref			
10.		you recall hin the are		any sig	ns of ir	nfrastruct	ure or hu	man ac	tivity t	hat detr	acted fro	m the sc	enic quality
	10	Yes	2□ No	(skip to	Q11)	3□ DK/re	ef. (skip to) Q11)					
		Specifica		· ·	,		、 ·	,	enic au	alitv?			
		(Do not re		-					4-	, .			
		Roads				o6 ⊐ Trails				1			
		Communie Power line		wers		07□ Vehic 08□ Peop	•	ORV, m	otorcyc	les, cars	s, etc.)		
		Railroad				09□ Other							
	05🗖	Trash				10 □ DK/re							
11.	Do	you recall	if any <u>n</u>	<u>ioises</u> d	etracte	d from yo	our enjoy	ment of	f the ar	ea?			
	1	Yes	2 ⊐ No (s	skip to Q	12)	3⊡ Dł	≺/ref. (skij	p to Q12	2)				
	11a	. Specific	cally, wł	nat type	of nois	ses? (Do n	ot read, o	check al	I that a	oply, pro	be)		
	01 🗖	Noise from	n other p	eople	05 🗖	Helicopte	rs		09 □ C	hainsaw			
		Gunshots				Boats							
		Airplanes				Four whe			11 □ D	K/ref.			
	04🗖	Jet aircraf	t sonic b	oom	08 🗖	Cars/truc	ks/RV						

12. Next, I am going to show you a list of outdoor recreation facilities, infrastructure, and sources of information in the Study Area. Please tell me whether you think there should be a lot more, a little more, a little less, a lot less, or the same number in the future.

	A lot more	A little more	The same	A little less	A lot less	Don't Know
a. Maintained roads	1	2	3	4	5	6
b. Designated parking areas	1	2	3	4	5	6
c. Roadside toilets	1	2	3	4	5	6
d. RV accessible sites at campgrounds	1	2	3	4	5	6
e. Trail maps	1	2	3	4	5	6
f. Designated trails for non-motorized use	1	2	3	4	5	6
g. Designated trails for off-road vehicles	1	2	3	4	5	6
h. Directional road signs	1	2	3	4	5	6
i. Visitor information	1	2	3	4	5	6
j. Visitor centers	1	2	3	4	5	6
k. Public use cabins	1	2	3	4	5	6
I. Boat launches	1	2	3	4	5	6
m. Facilities for the disabled	1	2	3	4	5	6

[Read] Next, I would like to ask you about the size of your traveling party.

13. Including yourself, how many people are traveling in your immediate <u>party</u>? By party, I mean those sharing expenses such as food, lodging, and transportation.

	1	#	in party	2	DK/ref.
--	---	---	----------	---	---------

14. Including yourself, what is the total number of people traveling in your group? By group, I mean friends or relatives that are traveling with you, but not necessarily sharing expenses.
 1 # ______ in group
 2 DK/ref.

15.	Are	you a resident of Alasl	a?					
	1	Yes 2	No (skip to Q15c)	3□ DK/re	ef. (skip to Q	15c)	
	15a.	. What is your home zip	o cod		01□	DK/ref.		
				(skip to Q20)				
	15b.	. What community do y	ou li	ve in? (skip to Q2			01 □ DK/ref. (s	kip to Q20)
	15c.	. Do you live in the Unit	ed S	tates?				
		1□ Yes 2□ No (ski	p to C	Q16) 3□ DK/ref.	. (skip to	Q22)		
	15d	. What is your home zip	o cod	e? (skip to Q17,o	_01 ⊐ Dł rQ20 if s	K/ref. (to 15e seasonal res) ident)	
	15e.	. What community and	state				^{01□} f seasonal resi	DK/ref. (skip to Q17) dent)
16.	In w	hat country do you live	? (D	o not read)	01 🗖	DK/ref.		
	52 🗖 53 🗖 54 🗖 55 🗖	Australia Austria Belgium Canada China France	58 🗖 59 🗖 60 🗖 61 🗖	Germany India Italy Japan Korea Mexico	64 🗆 65 🗖 66 🗖 67 🗖	Netherlands New Zealand Russia Spain Sweden Switzerland	d 70	TaiwanUnited KingdomOther
		o to Q20 if seasonal resid						

NON-ALASKA RESIDENTS

17. Now I'd like you to estimate your traveling <u>party's</u> total spending within Alaska <u>so far</u> on this trip. Do not include multi-day packages such as cruises or overnight railroad packages.

Your best guess is fine. \$_____1 DK/ref.

- 18. Did your party purchase any multi-day packages that included lodging, transportation, and activities?
 - 1□ Yes → 18a. Can you estimate the price per-person for this package? \$_____1□ DK/ref
 - 2□ No
 18b. Did your package include an overnight cruise? 1□ Yes 2□ No 3□ DK/ref.
 3□ DK/ref.
- **19. Please tell me in which of these areas you have spent money on this trip.** (Read a-e, **circle letter**.) (show map if needed.)

19a. About how much has your party spent on lodging in (area)**? Transportation in** (area)**?** (Repeat for each area visited and category. If "none," enter \$0. If "don't know," enter DK.)

	Lodging	Transportation	Food/ Beverage	Gifts/souvenirs/ clothing	Other
a. Anchorage area	\$	\$	\$	\$	\$
b. Mat-Su Borough	\$	\$	\$	\$	\$
c. Denali Borough	\$	\$	\$	\$	\$
d. Fairbanks area	\$	\$	\$	\$	\$
e. Kenai Peninsula Borough	\$	\$	\$	\$	\$
Total	\$	\$	\$	\$	\$

SKIP TO READ BEFORE Q22

ALASKA RESIDENTS

[Read] Now, I would like to ask you about your trip expenditures.

20. Can you estimate your traveling <u>party's</u> total spending <u>so far</u> on this outing?

Your best guess is fine. \$_____ 1 DK/ref.

- 21. Please tell me in which of these areas you have spent money on this outing. (Read a-e, circle letter.) (show map if needed.)
 - 21a. About how much has your party spent on lodging in (area)? Transportation in (area)? (Repeat for each area visited and category. If "none," enter \$0. If "don't know," enter DK.)

	Lodging	Transportation	Food/ Beverage	Gifts/souvenirs/ clothing	Other
a. Anchorage area	\$	\$	\$	\$	\$
b. Mat-Su Borough	\$	\$	\$	\$	\$
c. Denali Borough	\$	\$	\$	\$	\$
d. Fairbanks area	\$	\$	\$	\$	\$
e. Kenai Peninsula Borough	\$	\$	\$	\$	\$
Total	\$	\$	\$	\$	\$

ALL RESPONDENTS

[Read] I have just a few more questions for demographic purposes.

22. In what year were you born? 19_____ 01 DK/ref.

- 24. Please point to the category that best describes your household [income] in 2012?

2**□ No**

01 □ Less than \$20,000	₀₅ □ \$75,001 to \$99,999
02 □ \$20,001 to \$35,000	₀₀□ \$100,000 to \$149,999
₀₃⊐ \$35,001 to \$50,000	07 □ \$150,000 or more
₀₄ ⊐ \$50,001 to \$75,000	

25. Is anyone in your party disabled or have special needs related to outdoor recreation activities?

 1□
 Yes
 2□
 No (skip to Read)
 3□
 DK/Ref (skip to Read)

25a. Specifically, what type of needs do they have?

1 🗖	Wheelchair access to trails	4 □ DK/ref.
2	Wheelchair access to facilities	3 □ Other:

[Read] To be entered in the drawing for your choice of a \$1,000 Amazon.com or Cabela's gift certificate, I need your first name and email address. (If no email, ask for phone #) Your contact information will not be used or shared for any other purpose beyond this study.
1 Refused (thank and end survey)

First name_____ Email/phone_

26. As part of this recreation study we may be conducting additional research. Would you be willing to participate in a follow-up survey? 1 Yes 2 No

Thank you for participating in this survey!

27. Observed mode of transportation.

01□ Car/Van/Truck 02□ RV/Motorhome/Camper		₀₀⊐ Alaska Ra ₀ァ⊐ Snowmac			Motorcoach Pedestrian
03 □ Motorcycle 04 □ Four-wheeler		08 □ Dogsled 09 □ Bicycle		12	Other:
28. Gender (DO NOT ASK)	□ Male	2□ Female	3 ⊐ Unknown		

Susitna-Watana Hydroelectric Project (FERC No. 14241)

Recreation Resources Study (12.5)

Part A - Appendix N Intercept Observation Tally

Initial Study Report

Prepared for

Alaska Energy Authority



Prepared by

URS Corporation

June 2014

Date	Arrival Time	Location-grid #
Day of the week Su M	Tu W Th F Sa	Location description
Surveyors		
# of surveys complete	d at this location	# of cards distributed at this location
Upon arriving at locati	on, enter number obse	rved and estimated capacity:
Observed:		Estimated total capacity on/of:
Cars/vans/trucks	3	Boat trailers
RVs/campers		ATV trailers
Motorcoach		Snowmachine trailers
OHV/ATVs		Horse trailers
Motor Boats (jet	, prop, air)	Dog sleds (# of dog box units)
Non-Motor Boat	6	Racks (bike/ski/kayak/etc specify
Snowmachines		Other observation comments:
Motorcycles		
Bicycles		
Occupied camps	sites	
Occupied picnic	sites/tables	

Case#	Surveyed	Party size	Party type ¹	Recreation type						
				Act 1	Act 2	Act 3	Act 4	Other		
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

1 Party type: F=family, C=couple, I=Individual, G=apparent non-family group

Activity codes

02

01 Alaska Railroad

03□ Bird watching

05□ Camping remote

06 Camping RV/cabin/campground

07 Collecting berries/mushrooms

04 Bicycling

- 09□ Fishing for salmon
- 10 Fishing other
- 11 Flightseeing
- 12 Hunting
- 13□ Hiking/backpacking
- 14 Motorized boat
- 15 Raft/canoe/kayak

16□ OHV/ATV
17□ Skiing
18□ Snow machine
19□ Snow shoeing
20□ Wildlife viewing
21□ Other

08□ Dog sledding

Susitna-Watana Hydroelectric Project (FERC No. 14241)

Recreation Resources Study (12.5)

Part A - Appendix O Nonresponse Bias Telephone Survey

Initial Study Report

Prepared for

Alaska Energy Authority



Prepared by

URS Corporation

June 2014

Mail Survey: Nonresponse Bias Telephone Survey

PHONE

INTERVIEWER NAME

SURVEY # _

Cell or Landline (circle)

DATE ___

Hi, this is ______ with the McDowell Group. We're conducting a study for the State of Alaska concerning outdoor recreation. I would like to ask you a few questions about your outdoor recreation activity in Alaska.

(Don't ask) S1. 1 Indicated they do not recreate outdoors SKIP TO Q4

- 1. Do you ever participate in the following recreational activities in Alaska?
- 2. IF YES: Have you participated in [activity] in Alaska within the last 12 months?

	1. Ever participate?			2. Within last 12 months?		
	1 Yes	2 No	3 DK/Ref	1 Yes	2 No	3 DK/Ref
a. Snow machining	1	2	3	1	2	3
b. Hunting	1	2	3	1	2	3
c. Sportfishing	1	2	3	1	2	3
d. Recreational boating without fishing	1	2	3	1	2	3

READ: Next, I am going to ask you about some specific recreation <u>areas</u>. For the purpose of this study outdoor recreation includes activities like, wildlife viewing, bicycling, camping, hunting, berry picking, fishing, boating, ATV's, hiking, walking, running, riding the Alaska Railroad, flightseeing, dog sledding, snow machining, snowshoeing, and skiing.

3. Please tell me if you participated in any outdoor recreation activity in the last 12 months in each of the following areas:

	1 Yes	2 No	3 DK/Ref
a. Talkeetna area	1	2	3
b. Denali State Park/Byers Lake area	1	2	3
c. Cantwell area	1	2	3
d. Anywhere on the Denali Highway	1	2	3
e. Lake Louise area	1	2	3
f. Susitna River north of Talkeetna	1	2	3
g. Talkeetna River	1	2	3

READ: Next, I am going to ask you some questions for demographic purposes.

4. What community do you consider your primary home?

01 🗖 .	Anchorage	15 🗖	Fairbanks
02 🗖 .	Anderson	16 🗖	Ferry
03	Badger	17 🗖	Fox
04	Big Lake	18 🗖	Gakona
05 🗖	Butte	19🗖	Glennallen
06🗖	Cantwell	20	Gulkana
07 🗖	Chena Ridge	21	Girdwood
08🗖	Chickaloon	22	Healy
09🗖	Chistochina	23	Houston
10	College	24	Indian/Bird
11 🗖	Eagle River/Chugiak	25	Knik-Fairview
12	Eielson AFB	26	Lake Louise
13🗖	Ester	27 🗖	McKinley Park
14	Eureka Roadhouse	28	Meadow Lakes
_			

29 North Pole 30 Palmer 31 Paxson 32 Petersville 33 Point MacKenzie 34 Salcha 35 Skwentna 36 Susitna 37 Sutton-Alpine 38 Talkeetna 39 Trapper Creek 40 Two Rivers 41 Wasilla 42 Willow 43 Other 44 **D** Refused

- 5. In what year were you born? 19_____ 1 Refused
- Including yourself, how many people live in your household for at least six months of the year?
 #_____1 Refused
- 7. Do children under the age of 18 live in your household? 1 Yes 2 No 3 Refused

8.	 8. What is the highest degree or level of school 01[□] Less than 9th grade 02[□] 9th to 12th grade, no diploma 03[□] High school graduate, GED, or alternative 		04□ Some college, no degree 05□ Associate's degree		07□ Graduate or professional degree 08□ Refused	
9.	Do you or your family own a cat	oin in Alaska	?	1□ Yes	2 □ No	3 □ Refused
10	. Are you married? 1 Yes	2 ⊐ No	3 □ Refused			
11.	. Are you a registered voter?	1□ Yes	2 □ No	3 ⊡ Refus	sed	
12. Please stop me at the category that best describes your total combined household income before taxes for 2012.						
	01 □ Less than \$20,000	04 □ \$50,00 2	1 to \$75,000	07 🗖	More than \$	\$150,000
	02 □ \$20,001 to \$35,000	o5 □ \$75,00 ′	1 to \$100,000	08 🗖	Refused	
	03 □ \$35,001 to \$50,000	06 \$100,00	01 to \$150,000			
13. Which racial or ethnic group do you most closely identify yourself with? (Do not read, check all that apply)						
	01 White	04 D America	an Indian or Alask	a Native	07 🗖 S	Some other race
	02 Black or African American	05 🗖 Asian			080 R	Refused
	03□ Hispanic 06□ Native Hawaiian or Other Pacific Islander					
	Thenk you for portioing in this our you!					

Thank you for participating in this survey!

14. (Don't Ask)	1 □ Male	2 Female	3 ⊐ Unknown
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