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APPENDIX B: DISTRIBUTION OF FISH RADIO-TAGGED IN THE MIDDLE AND LOWER SUSITNA RIVER, 2013

Susitna-Watana Hydroelectric Project (FERC No. 14241)

Study of Fish Distribution and Abundance in the Middle and Lower Susitna River Study (9.6)

Appendix B

Distribution of Fish Radio-Tagged in the Middle and Lower Susitna River, 2013

Initial Study Report

Prepared for

Alaska Energy Authority



Prepared by

LGL Alaska Research Associates, Inc.]

February 2014 Draft

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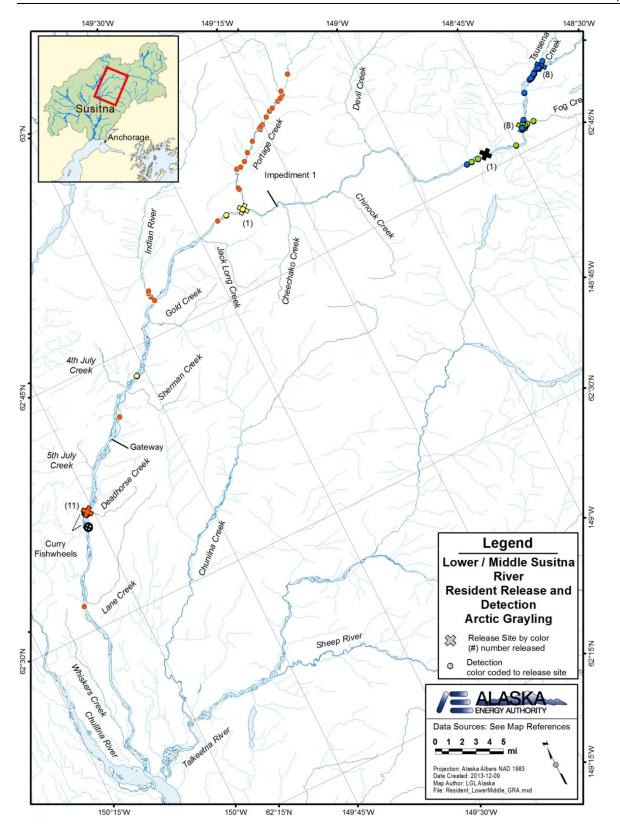


Figure B1. Live detections of radio-tagged Arctic Grayling released in the Middle Susitna River, 1 June – 31 August, 2013. Color-coded X's indicate release sites and respectively colored individual dots indicate last-known locations of each unique fish for each two week analysis period (see Table B1).

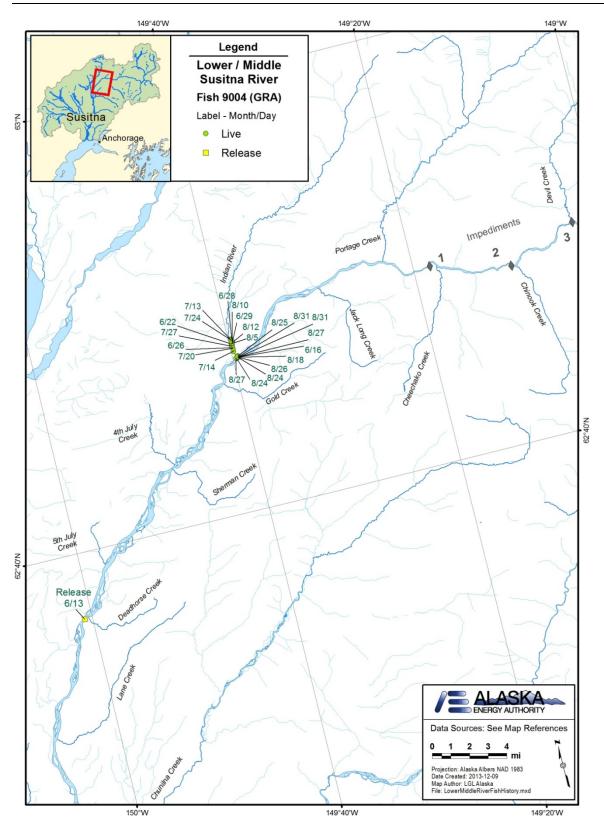


Figure B2. Live detections of radio-tagged Arctic Grayling #9004 released in the Middle Susitna River on 13 June, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

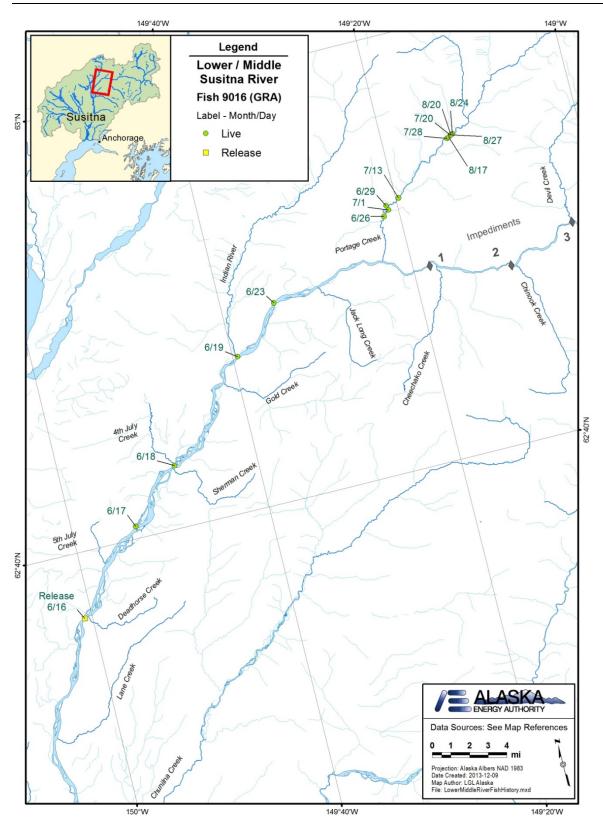


Figure B3. Live detections of radio-tagged Arctic Grayling #9016 released in the Middle Susitna River on 16 June, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

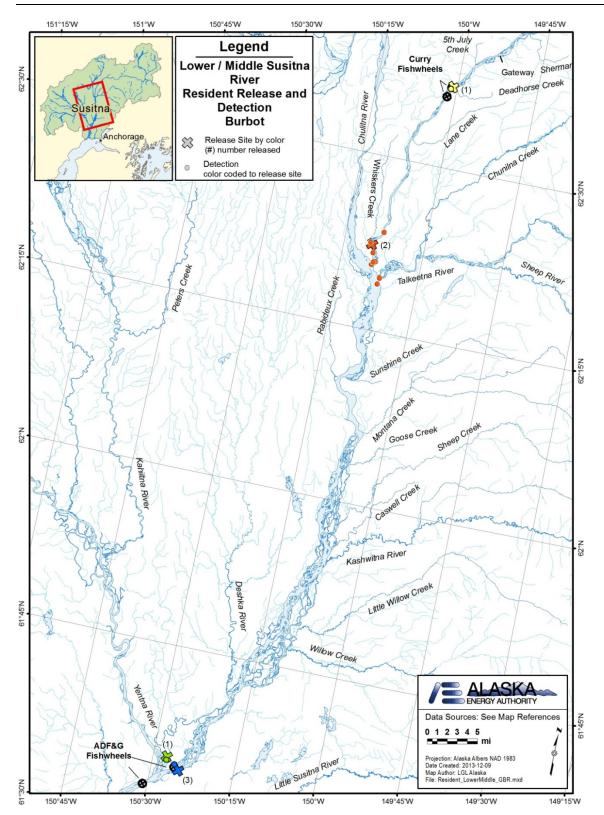


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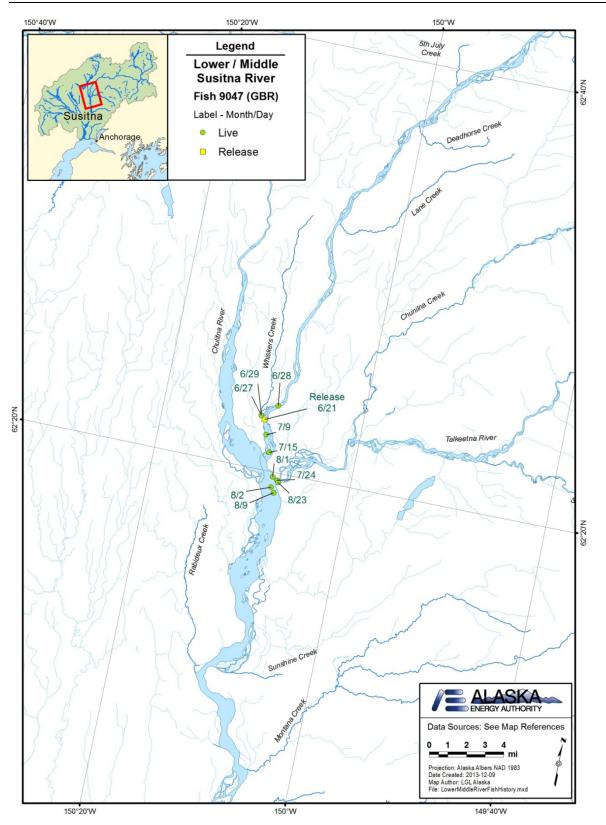


Figure B5. Live detections of radio-tagged Burbot #9047 released in the Middle Susitna River on 21 June, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

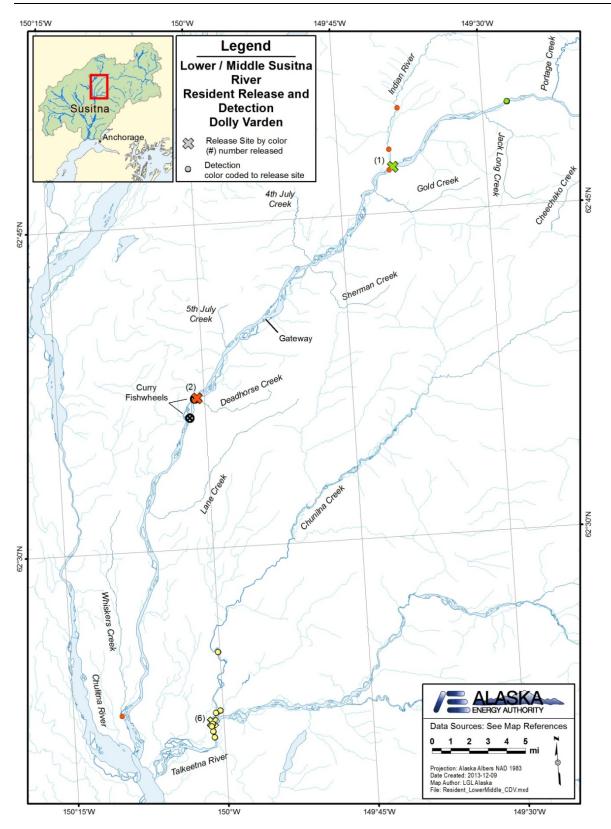


Figure B6. Live detections of radio-tagged Dolly Varden released in the Middle Susitna River, 1 June – 31 August, 2013. Color-coded X's indicate release sites and respectively colored individual dots indicate last-known locations of each unique fish for each two week analysis period (see Table B3).

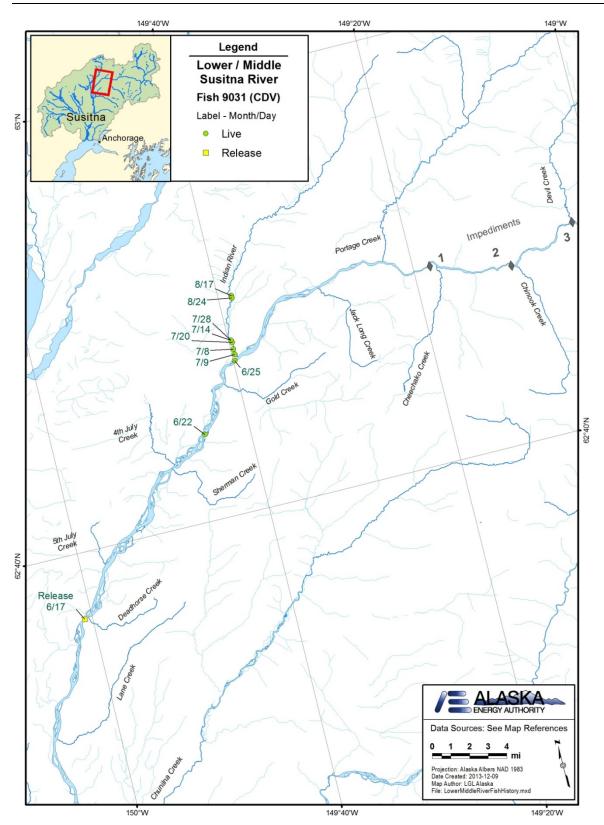


Figure B7. Live detections of radio-tagged Dolly Varden #9031 released in the Middle Susitna River on 17 June, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

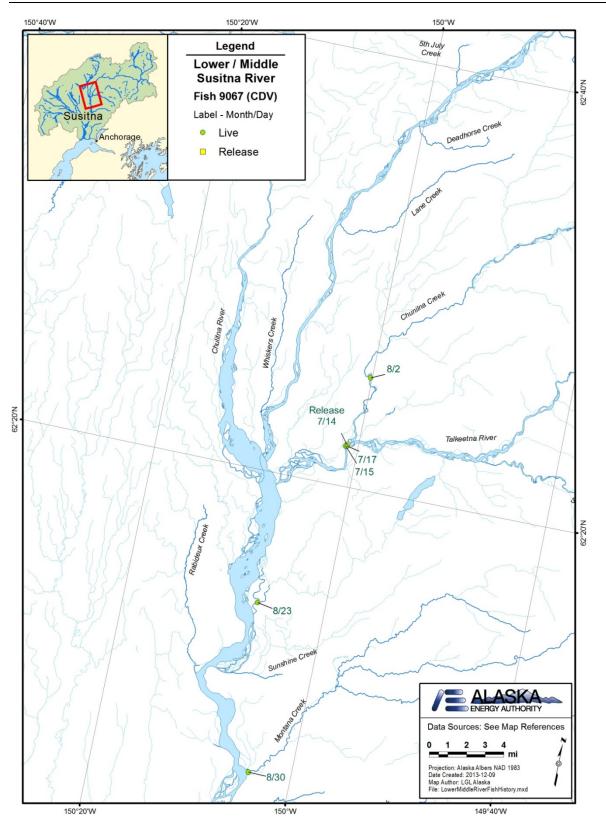


Figure B8. Live detections of radio-tagged Dolly Varden #9067 released in the Talkeetna River on 14 July, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

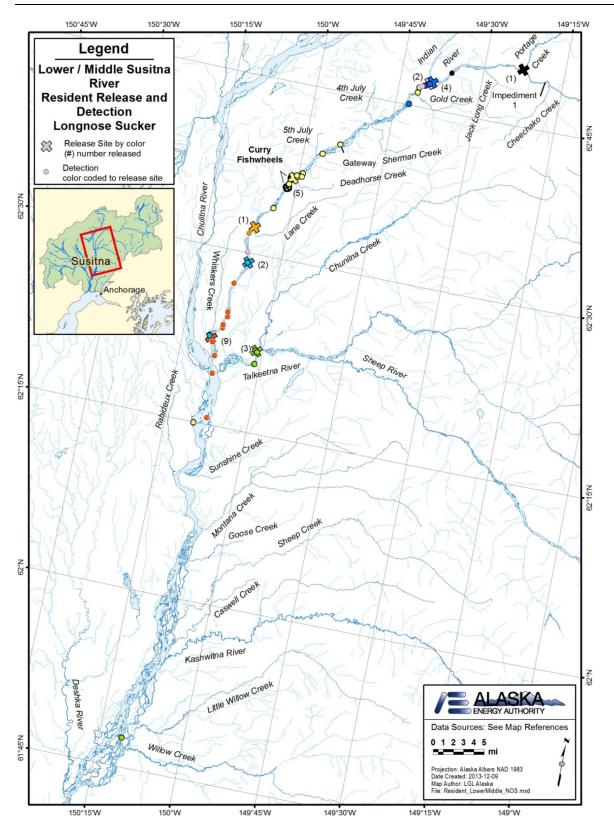


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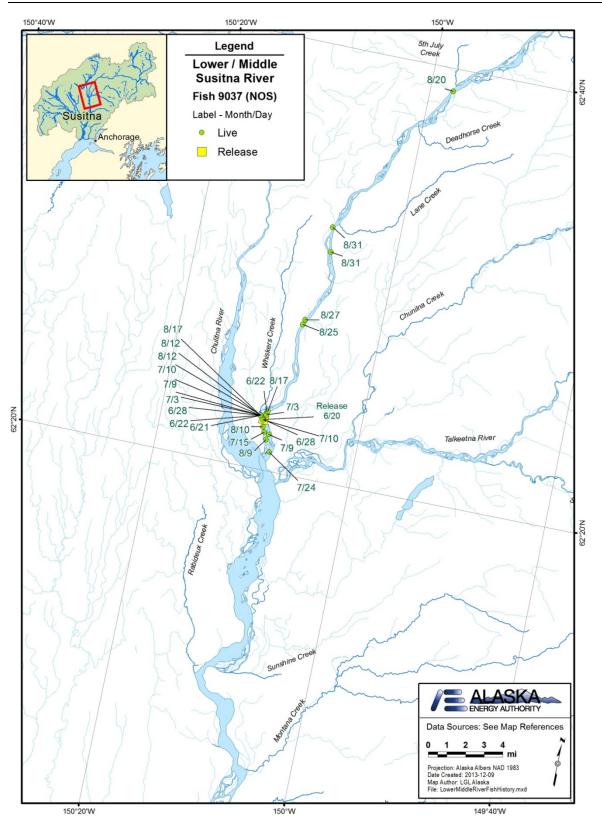


Figure B10. Live detections of radio-tagged Longnose Sucker #9037 released in the Middle Susitna River on 20 June, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

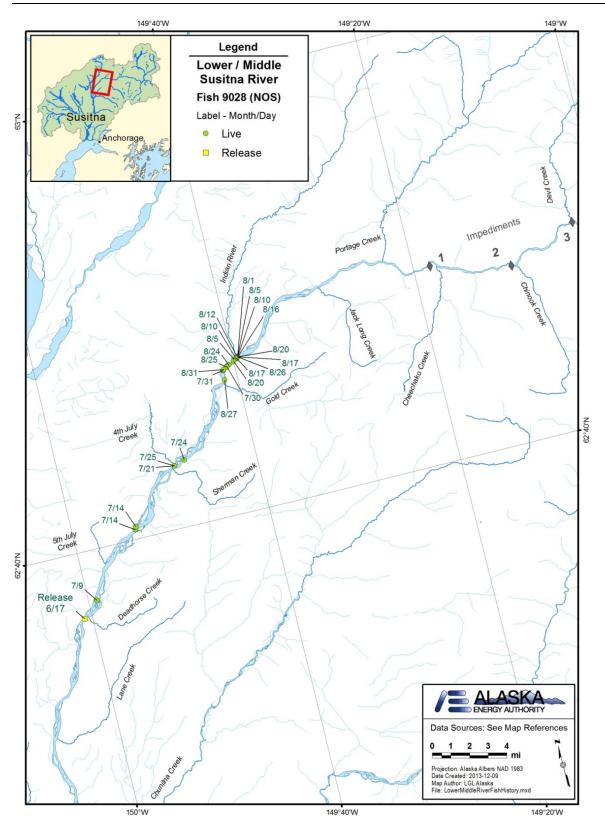


Figure B11. Live detections of radio-tagged Longnose Sucker #9028 released in the Middle Susitna River on 17 June, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

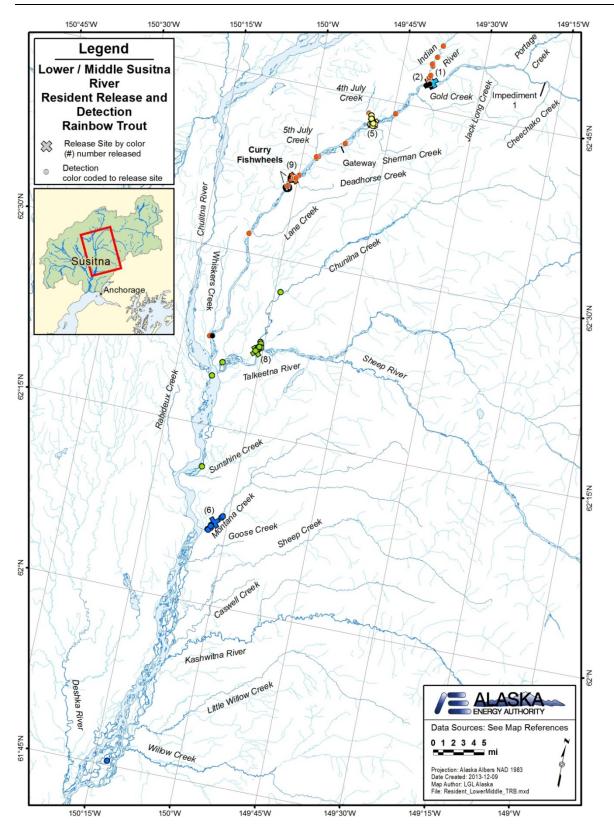


Figure B12. Live detections of radio-tagged Rainbow Trout released in the Middle Susitna River, 1 June – 31 August, 2013. Color-coded X's indicate release sites and respectively colored individual dots indicate last-known locations of each unique fish for each two week analysis period (see Table B6).

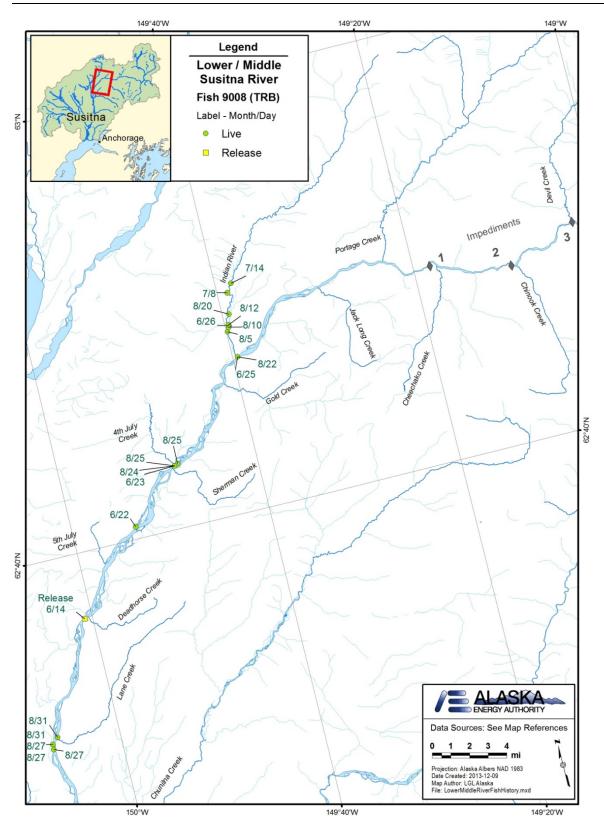


Figure B13. Live detections of radio-tagged Rainbow Trout #9008 released in the Middle Susitna River on 14 June, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

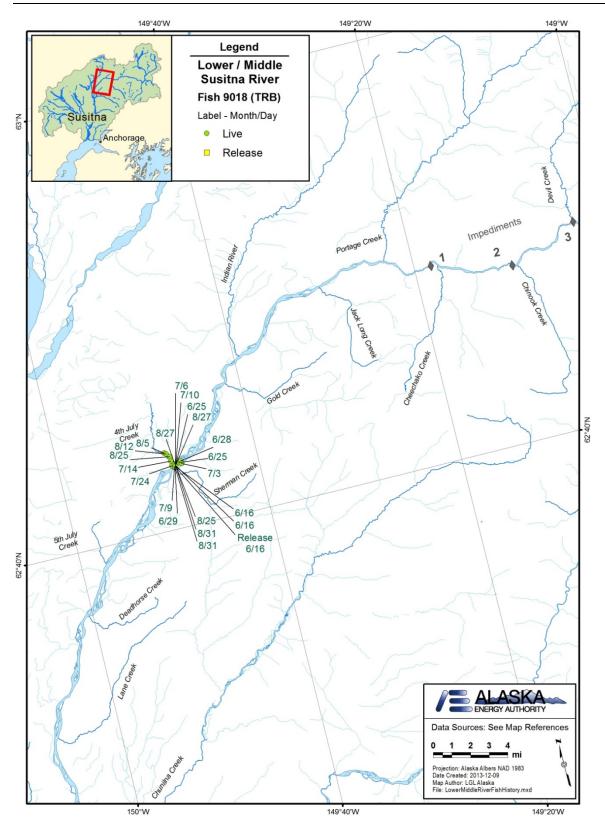


Figure B14. Live detections of radio-tagged Rainbow Trout #9018 released in the Middle Susitna River on 16 June, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

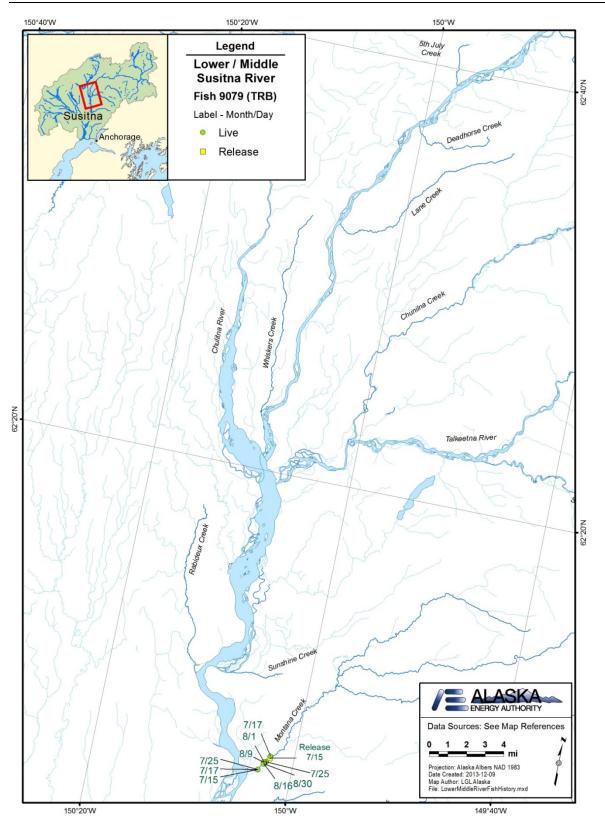


Figure B15. Live detections of radio-tagged Rainbow Trout #9079 released in the Montana Creek on 7 July, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

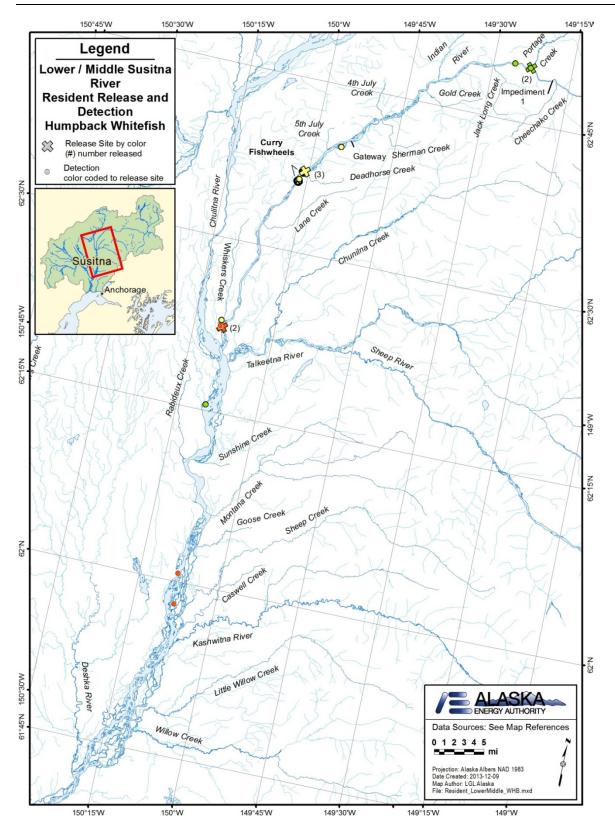


Figure B16. Live detections of radio-tagged Humpback Whitefish released in the Middle Susitna River, 1 June – 31 August, 2013. Color-coded X's indicate release sites and respectively colored individual dots indicate last-known locations of each unique fish for each two week analysis period (see Table B7).

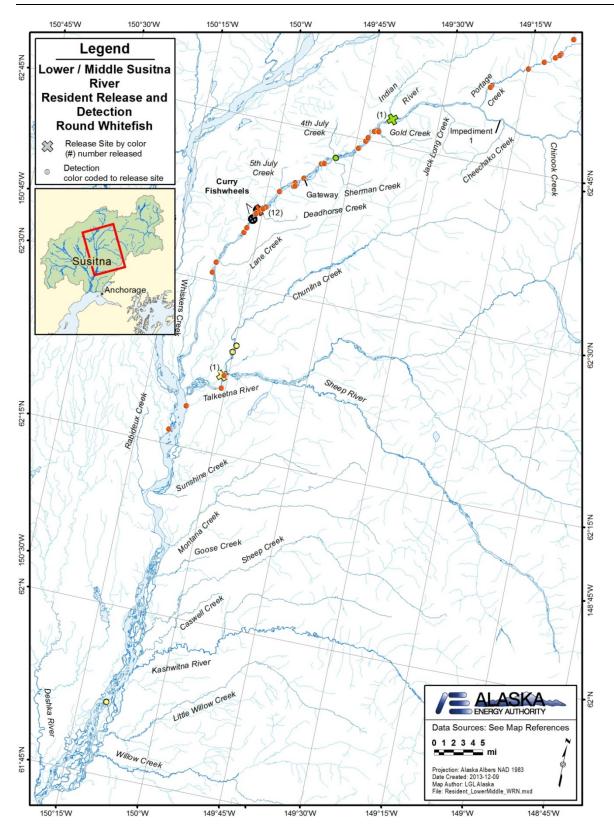


Figure B17. Live detections of radio-tagged Round Whitefish released in the Middle Susitna River, 1 June – 31 August, 2013. Color-coded X's indicate release sites and respectively colored individual dots indicate last-known locations of each unique fish for each two week analysis period (see Table B8).

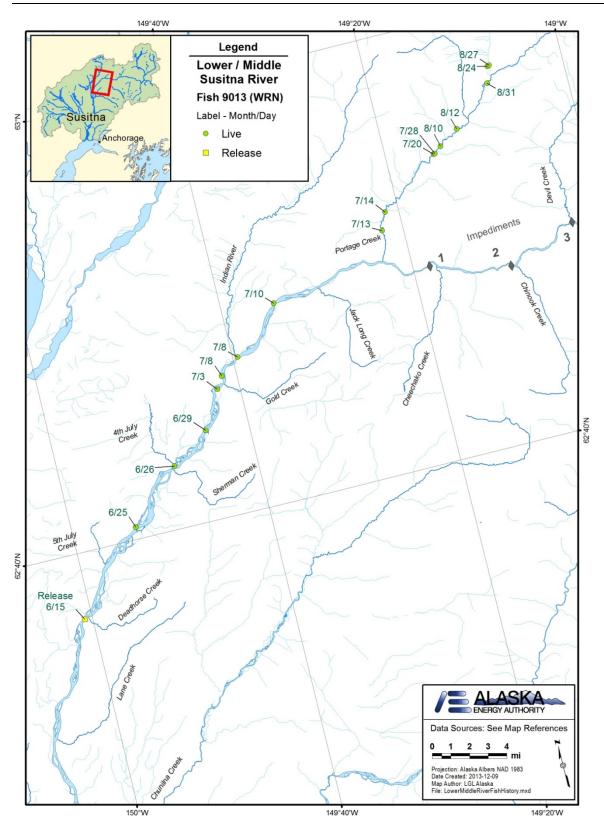


Figure B18. Live detections of radio-tagged Round Whitefish #9013 released in the Middle Susitna River on 15 June, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

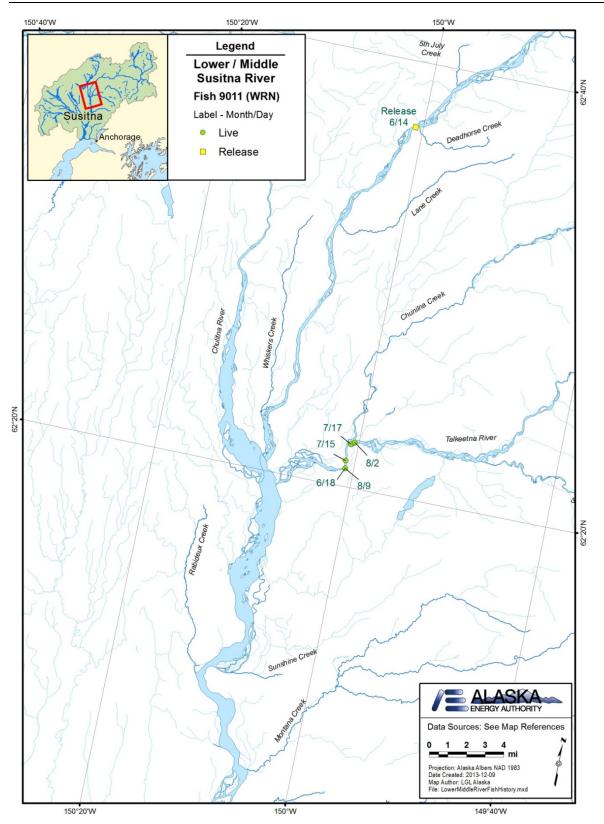


Figure B19. Live detections of radio-tagged Round Whitefish #9011 released in the Middle Susitna River on 14 June, 2013. The yellow square indicates the release site and the individual dots indicate the location on each date of detection.

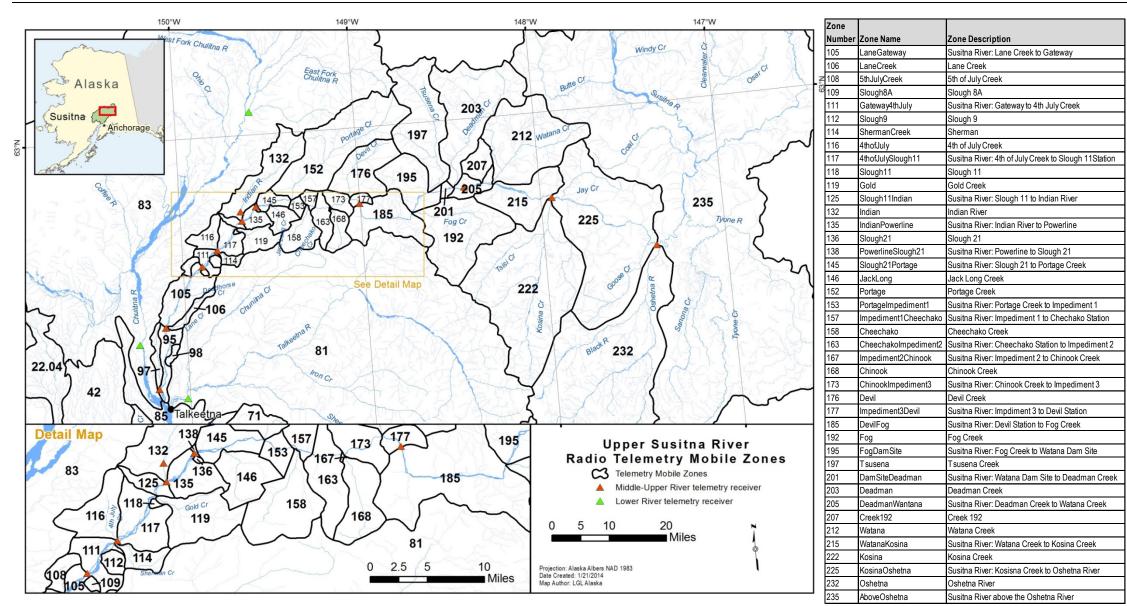


Figure B20. Radio telemetry survey zones in the Middle and Upper Susitna River, 2013.

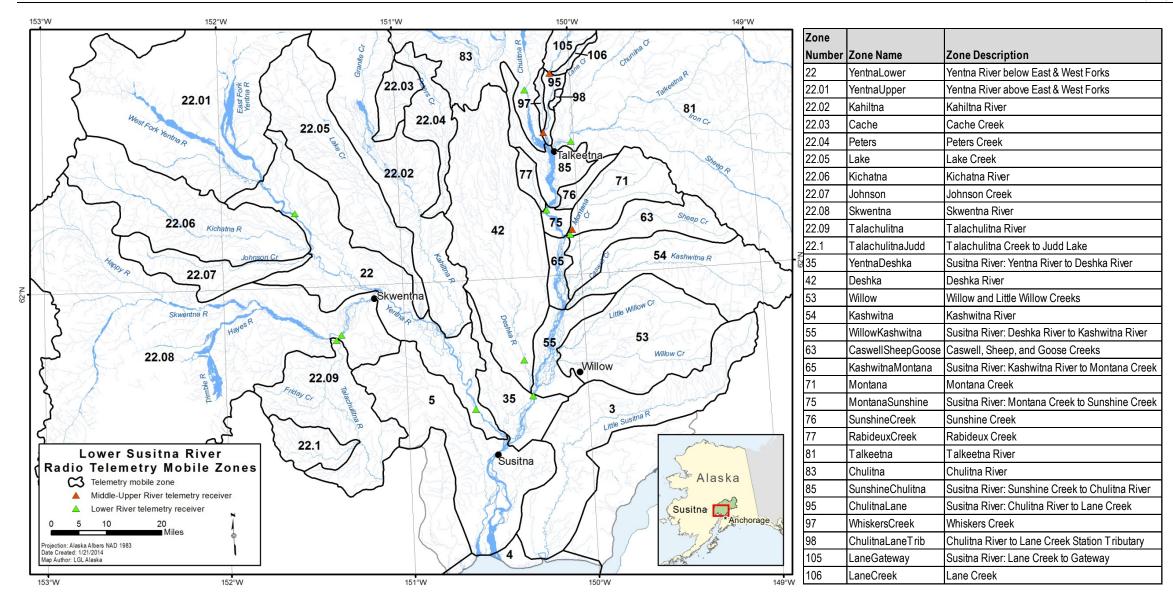


Figure B21. Radio telemetry survey zones in the Lower Susitna River, 2013.

Table B1. Arctic grayling two-week post tagging location status by tagging group.

Arctic grayling		Rls	befo	ore 7/	1			ŀ	RIs	7/15	- 7/3		RI	7/15	- 7/3	_	RI	s 7/15				RIs 8/15	
	Zone		-	15 Jul	1 Aug	15 Aug	30 Aug			1 Aug	15 Aug	30 Aug		1 Aug	15 Aug	30 Aug		1 Aug	15 Aug	30 Aug			Aug
Zone Name	Number	RIs	1 Jul	15.	1 A	15 /	30 /		RIS	1 A	15 /	30 /	RIS	1 A	15 /	30 /	Rs	1 A	15 /	30 /		RIs	30 /
	1	1	1	1	Prop	osed	Wata	na l	Dam	n Site	PRM	187.1	-		1		-	-	1	1			
MOB - Tsusena Creek	197												_				8	3	1				
MOB - Fog - Dam Site	195															2	_	5	5	4			
MOB - Fog Creek	192													3	5	1	_						
MOB - Devil Stn - Fog	185												8	5	3	5			1	1		1	1
	-	1	r –	r –	Uppe	er Exte	ent De	evils	s Ca	nyor	PRM	166.1	1	r	r		-	1	1	r			
Devils Island	180												_				_						
MOB - Impediment3 - Devil Stn	177																_						
MOB - Devils Creek	176												_				_						
MOB - Chinook - Impediment3	173																_						
MOB - Chinook Creek	168												_				_	-			_		
MOB - Impediment2 - Chinook	167							╟╟					_				_						
MOB - Cheechako - Impediment2	163							$\left \right $					_				_						
MOB - Cheechako Creek	158							╟╟									_						
MOB - Impediment1 - Cheechako	157	<u> </u>			<u> </u>	Ļ		Ц	_				Ц	Ļ			_		ļ		Ц		
	450	1	1	1	Lowe	er Exte	ent De	evils	s Ca	nyor	PRM	153.9	,	1	1		-	1	T	T	11		
MOB - Portage - Impediment1	153		_		_	_							_				_	_					
MOB - Portage trib	152	┣—	7	6	6	5	3	$\left \right $						┣	<u> </u>	\square	\vdash	-	1	<u> </u>	H		
MOB - Jack Long Creek	146								4								_						
MOB - abv Powerline - Portage	145			1				Í	1	1	1		_				_						
MOB - above Powerline	138							╟╟					_				-	-			-		
Powerline	137							╟╟					_				_			-			
MOB - Slough 21	136							╎					_				-				-		
MOB - Indian - Slough 21 MOB - Indian trib	135		1	1	1	1		$\left \right $					_				_	-		-			
	132		1	1	1	1		╟╟					_				_						
Indian River trib	131		0	4			4	╟┝					_	_			-	-		_			
Indian River	130 125		2	1			1	╞┼╴									_						
MOB - Slough11 - Indian	125							╞									_				-		
MOB - Gold Creek	119							-									-	-		-			
MOB - Slough 11	110							-				1					-	-		-			
MOB - 4th of July - Slough 11	117							╞				1					_						
MOB - 4th of July Creek Fourth of July	116							╟╟					_				-	-			-		
MOB - Sherman Creek	114							╂┢					_				-						
MOB - Slough 9	114						1						_				-	-	-	-			
MOB - Gateway - 4th of July	111						-						_				-			-			
Gateway	110							╟╟					_	_			-	-			-		
	109							╟┢					_				-	-			-		
MOB - Slough 8A MOB - 5th of July Creek	109							╟╟					_				-	-			-		
								-									_						
MOB - Lane Creek	106	11						╎					_				_				-		
MOB - Lane - Gateway	105	11	4	4	4			╟╟					_				_			-			
Lane Creek	100		1	1	1			╟╟					_				-						
MOB - Trib off zone 95	98																_						
MOB - Whiskers Creek	97												_				_	_					
Whiskers	96	┞—			<u> </u>	<u> </u>		$\left \right $						┣		\square	\vdash	-	1	<u> </u>	H		
MOB - Talkeetna - Lane	95	I					Ļ	Ц						1	I						Ц		i
	05	r	r –	r –		1	LO	wei	r Ri	ver	r –		-	T	r –		1	T	r	1	11		
MOB - Sunshine - Talkeetna	85				<u> </u>	<u> </u>	<u> </u>	╟╟						_	<u> </u>		-	-		<u> </u>	Н		
ADFG - Middle Chulitna	84	-			—	<u> </u>	<u> </u>	╎╟						_	<u> </u>		-	-	-	<u> </u>	H		
MOB - Chulitna River	83				<u> </u>	<u> </u>	<u> </u>	╟╟						_	<u> </u>		-	-		<u> </u>	Н		
ADFG Chulitna	82	-			—	<u> </u>	┣──	╟┝						\vdash	┣—		-	-	-	<u> </u>	H		
MOB - Talkeetna River	81	┣						╟╟						┢	<u> </u>		\vdash	+	1	┣—	H		
ADFG Talkeetna	80		4.4	40		<u> </u>	5	\mathbf{H}	_	4	4	4					~	0	7	5	Η	4	4
Total Tags Live						6	5		_	1	1	1	8	8	8	8	8	8	7	5			1
Mort tags * * current location of mort tags not sho		0	0	1	3	5	6		0	0	0	0	0	0	0	0	0	0	1	3		0	0

Table B2. Burbot two-week post tagging location status by tagging group.

Burbot		Rls	befo	re 7/1				F	RIs 8	8/1 - 8	3/14	RIs 8/1	5 - 8/30		RIs 8/15	- 8/30
	Zone		_	ul	g	ßn	ßn			ug	ßn		ßn			ßn
Zone Name	Number	RIs	1 Jul	15 Jul	1 Aug	15 Aug	30 Aug		RIs	15 Aug	30 Aug	RIs	30 Aug		RIs	30 Aug
							53.9-1	66.	1							
MOB - Lane - Gateway	105							1		1						
Lane Creek	100															
MOB - Trib off zone 95	98															
MOB - Whiskers Creek	97															
MOB - Talkeetna - Lane	96	2	1	1	1		1									
Whiskers	95		1	1												
				L	ower	River										
MOB - Sunshine - Talkeetna	85				1	2										
ADFG - Middle Chulitna	84	Ì	1	1	Ì	1		F						1		
MOB - Chulitna River	83	ĺ		Î	ĺ	Î		T						1		
ADFG Chulitna	82			Î		Ī		F						1		
MOB - Talkeetna River	81						1									
ADFG Talkeetna	80															
ADFG Sunshine	78															
MOB - Rabideux Creek	77															
MOB - Sunshine Creek	76															
MOB - Montana - Sunshine	75															
MOB - Montana Creek	71															
MOB - Kashwitna - Montana	70															
Montana	65															
MOB - Caswell area tribs	63															
MOB - Deshka - Kashwitna	55															
MOB - Kashwitna River	54															
MOB - Willow and Little Willow cr	53															
MOB - Deshka River	42															
ADFG Deshka Weir	41															
ADFG Deshka River	40															
MOB - Yentna - Deshka	35														3	3
ADFG Talachulitna Weir	28															
ADFG Skwentna	27															
ADFG Upper Yentna	26					l		F						1		
ADFG Lake Weir	24			Î		Ī		ſ						1		
MOB - Yentna River	22			Ī		Ī		T						1		
ADFG Lower Yentna	20			Ī		Ī		T						1		
ADFG Susitna Station	6	l	1	I	l	l		F						1		
MOB - Confluence - Yentna	5	l		l	l	l						1	1	1		
Total Tags Live		2	2	2	2	2	2	1		1	0	1	1	T	3	3
Mort tags *		0	0	0	0	0	0	0		0	1	0	0			0
* current location of mort tags not sho		-														

Dolly Varden		RIs	befo	re 7/1					RIs	7/1 - 7	7/14				RIs	8/1 -			RIs 8/15	
Zone Name	Zone Number	RIs	1 Jul	15 Jul	1 Aug	15 Aug	30 Aug		RIs	15 Jul	1 Aug	15 Aug	30 Aug		RIs	15 Aug	30 Aug		RIs	30 Aug
				Devil			PRM 1	53	.9-16	6.1										
MOB - abv Powerline - Portage	145																			1
MOB - above Powerline	138													ſ						
Powerline	137							ľ												
MOB - Slough 21	136													T						
MOB - Indian - Slough 21	135							ľ												
MOB - Indian trib	132						1							ſ						
Indian River trib	131			1	1	1								ſ						
Indian River	130													ſ						
MOB - Slough11 - Indian	125		1																1	
MOB - Gold Creek	119							Ī						Ē						
MOB - Slough 11	118							ľ						ſ						
MOB - 4th of July - Slough 11	117							Ī												
MOB - 4th of July Creek	116													T						
Fourth of July	115							Ī												
MOB - Sherman Creek	114													T						
MOB - Slough 9	112							ľ												
MOB - Gateway - 4th of July	111																			
Gateway	110							Ī												
MOB - Slough 8A	109													T						
MOB - 5th of July Creek	108													ſ						
MOB - Lane Creek	106																			
MOB - Lane - Gateway	105	1						Ī						ſ	1					
Lane Creek	100													ſ						
MOB - Trib off zone 95	98													I						
MOB - Whiskers Creek	97							ľ						Ī						
Whiskers	96							Ī								1	1			
MOB - Talkeetna - Lane	95																			
					L	ower	River													
MOB - Sunshine - Talkeetna	85												1	T						
ADFG - Middle Chulitna	84																			
MOB - Chulitna River	83													ſ				1		
ADFG Chulitna	82													ľ						
MOB - Talkeetna River	81								6	6	6	6	5	ľ				1		
ADFG Talkeetna	80																			
Total Tags Live		1	1	1	1	1	1		6	6	6	6	6		1	1	1		1	1
Mort tags *		0	0	0	0	0	0		0	0	0	0	0		0	0	0		0	0
								and t												

Table B3. Dolly Varden two-week post tagging location status by tagging group.

Longnose Sucker		Ris	befo	re 7/1				Ris	befor	re 7/1				Ris	7/1 -	7/14			Ris	7/15	7/31		Ris	7/15 -	7/31		Ris	7/15 -	7/31		RIs 8/1	5 - 8/30	Ris 8	/15 - 8	3/30	RIs 8/1	5 - 8/30	RIs 8	/15 - 8/30
	Zone			=	6	15 Aug	0 Aug		Ì	=	6	15 Aug	ßn		=	g	ßn	ng		6	вn	30 Aug		6	ßn	ng		6	ßn	ßn		ßn		ßn	,		30 Aug		6 n
Zone Name	Number	ଞ୍ଚ ଅ	Ę	5 Jul	Au	5 A	A 0:	ŝ	P	5 Jul	Aug	5 A	A O	ଞ୍ଚ ଅ	15 Jul	Aug	15 Aug	30 Aug	RIS	1 Aug	15 Aug	A 0	RIs	Aug	5 Aug	30 Aug	RIs	Aug	5 Aug	30 Aug	SR S	30 Aug	s Nor Nor Nor Nor Nor Nor Nor Nor Nor Nor	30 Aug		Rs	A 01	s S	30 Aug
			-	-	-	-	63			-	-	- 1	(n)			Ţ.					-166.			-		(r)		-	- 10			6					69		67
MOB - abv Powerline - Portage	145	T	T			I			T				T	1					1	T						Т	1			T	1				Т	I			Т
MOB - above Powerline	138							-																	_		È				-								
Powerline	137							-																			<u> </u>				-								-
MOB - Slough 21	136							-																			<u> </u>				-								-
MOB - Indian - Slough 21	135												-										3			-	-	1	_						-	-		1	1
MOB - Indian trib	132							-					-										-	_		-	-	-							-				- <u>-</u>
Indian River trib	131												-													-									-	-			-
Indian River	130								-				_						-			_		1	1 3	2			-					+	-				
MOB - Slough11 - Indian	125				1	1	1						_						-					2	· /	_		-							_	2	1		-
MOB - Gold Creek	119						·	-				-	_						-			_		-		-									-	-			-
MOB - Slough 11	118				-		\square	+	1		-	+	-	—					1	1	\vdash		\square		+	┥	\square				<u> </u>	1		+	┥	1			1
MOB - 4th of July - Slough 11	117				-			+	1			+	╡	—					1	1					1	\neg	\square				<u> </u>	1		+	\neg	1			1
MOB - 4th of July Creek	116		1									+							T																				+
Fourth of July	115																							_				_			-								
MOB - Sherman Creek	114		t					+				+							T	1												1							+
MOB - Slough 9	112							-					-						-				-	-	-			-											-
MOB - Gateway - 4th of July	111							-																															
Gateway	110			1				-																															
MOB - Slough 8A	109			ŀ				-																															
MOB - 5th of July Creek	108																																						-
MOB - Lane Creek	106																																						-
MOB - Lane - Gateway	105	5	4	2	2	2	1		1																								1						
Lane Creek	100		1																															1					
MOB - Trib off zone 95	98																																						-
MOB - Whiskers Creek	97																																						-
Whiskers	96								2	3		1								1	1	1										1							
MOB - Talkeetna - Lane	95							8	3	2	2	1							1												2	1					1		
																		Lowe	r Rive	r																			
MOB - Sunshine - Talkeetna	85		T			1	1		1		1	T	T						T	1						T				T			П		T	1			Т
ADFG - Middle Chulitna	84		t						1			+		1					F	1																			1
MOB - Chulitna River	83							+				t							F	1	\square			\square			\square												1
ADFG Chulitna	82	1	1			1		\square	1			+	╡	<u> </u>						1					\square		\square					1				1	1		1
MOB - Talkeetna River	81		1			1			1			+		3	3	2	1	1	F	1																			1
ADFG Talkeetna	80		1			1			1			t		È					T	1											1	1							1
ADFG Sunshine	78	1				1		1	1			+		I					1	1						1	\square				1	1	11		1	1	1		1
MOB - Rabideux Creek	77	1	1			1		\square	1			+								1			\square		\neg	\neg	\square					1			\neg	1	1		1
MOB - Sunshine Creek	76											+							F										-										+
MOB - Montana - Sunshine	75		t					+				+							T	1												1							+
MOB - Montana Creek	71				-		\square	+	1		-	+	-	—			-		1	1	\vdash		\square		+	┥	\square				<u> </u>	1		+	┥	1			1
Montana	70				-			-				+	\neg	-					F	1							\vdash				<u> </u>	1				1			+
MOB - Kashwitna - Montana	65	-	1	-	-	1	\vdash	-	\mathbf{I}		+	+	\neg	-	-				\vdash	+	\vdash		\vdash	\vdash	+	\dashv	Η	\vdash	-		<u> </u>	1	11	+	\dashv	-			+
MOB - Caswell area tribs	63	-	1		-	┢	\vdash	+	1			+	-	-					\vdash	-	\vdash		\vdash	\vdash	\dashv	\neg	\vdash	\vdash	+				1	+	\neg	-			+
MOB - Deshka - Kashwitna	63 55	-	┢	-	-	-		+	-			+	-	-	-	1			\vdash	-	\vdash	_		\square		-	\vdash	\square							-	-			+
Total Tags Live	33	5	5	3	3	3	3	8	7	5	3	1 4		3	3	3	1	1	1	1	1	1	3	3	2 /	2	1	1	0 0		2	2	1	1		2	2	1	1
Mort tags *		0	0	2	2	2	2	0	1	3	5	7 7	,	0	0	0	2	2	0	0	0	0	0	0	د د ۱	<u>د</u> 1	0	0	1 1	_	0	0	0	0	_	0	2 0	0	0
morrayo		v	U	2	2	2	2	U	1	5	5	, 1		U	U	U	2	2	U	V	0	U	U	U	1		U	0	1		U	U	V	0		U	U	U	U

Table B4. Longnose sucker two-week post tagging location status by tagging group.

Table B5. Northern pike two-week post tagging location status by tagging group.

Northern Pike		RIs 8/1	5 - 8/30
Zone Name	Zone Number	RIs	30 Aug
Lower River			
MOB - Montana - Sunshine	75		
MOB - Montana Creek	71		
Montana	70		
MOB - Kashwitna - Montana	65		
MOB - Caswell area tribs	63		
MOB - Deshka - Kashwitna	55		
MOB - Kashwitna River	54		
MOB - Willow and Little Willow cr	53		
MOB - Deshka River	42		
ADFG Deshka Weir	41		
ADFG Deshka River	40		
MOB - Yentna - Deshka	35	5	4
MOB - Confluence - Yentna	5		
Total Tags Live		5	4
Mort tags *		0	1

Rainbow Trout	-	Rls	befo	re 7/'	1			R	ls be	efore	7/1			RI	s 7/'	1 - 7/1	4			RIs 7/1	- 7/1	1		RI	s 7/15	- 7/31		RIs	7/15 -	7/31		RIs 8/	15 - 8/30	RIs 8/	15 - 8/30	Ris	8/15 - 8/30
	Zone		_	ы	g	Вn	5 Di			_ =	5	9	6n		-	5 9	6 Na	5 On	1	-	5 0	2 Di	o nd		g	вn	ug		g	ßn	ug		6n		бn		30 Aug
Zone Name	Number	Rs S	1 Jul	15 Jul	1 Aug	15 Aug	30 Aug	l e	2	1 Jul	C CI	1 Aug	30 Aug	RIS S			15 Aug	30 Aug	Ш	RIS 45 Iuil	1 410	15 A	30 Aug	ž	1 Aug	15 Aug	30 Aug	RIs	1 Aug	15 Aug	30 Aug	RIs	30 Aug	RIS S	30 Aug	SN SN	30 A
	•																Canyo																				
MOB - Indian - Slough 21	135							П											Π																	1	1
MOB - Indian trib	132		1	2	4	4	1	11											11																		_
Indian River trib	131																		Т																		
Indian River	130			3				1											1												1						
MOB - Slough11 - Indian	125																		11									1	1	1				1			_
MOB - Gold Creek	119							11											İГ																		_
MOB - Slough 11	118																		T																		
-	117			1				11											ŤĒ	1																	-
MOB - 4th of July Creek	116				2	1			2	2 1		1 3							T			1															
Fourth of July	115			1			2	11		2	ŀ	1	2						11			1	2														
MOB - Sherman Creek	114																		T		1																
MOB - Slough 9	112	l			1	1	1	11	T									1	11							Ì			1				1		1		1
MOB - Gateway - 4th of July	111		1					3	1		-	1							2	! 1	1																_
Gateway	110																		Т																		
MOB - Slough 8A	109							1											11																		_
MOB - 5th of July Creek	108																		Т																		
MOB - Lane Creek	106																		11																		
MOB - Lane - Gateway	105	8	6	1	1	1	1												1													1					
Lane Creek	100				1	1	2												11																		
MOB - Trib off zone 95	98																		1																		
MOB - Whiskers Creek	97																		Т																		
Whiskers	96																																1				
MOB - Talkeetna - Lane	95																																		1		
																	Low	ver Riv	er																		
MOB - Sunshine - Talkeetna	85																1	1																			
ADFG - Middle Chulitna	84																		11																		
MOB - Chulitna River	83																		Т																		
ADFG Chulitna	82																		11																		
MOB - Talkeetna River	81													8	8	8	7	6	1																		
ADFG Talkeetna	80																		11																		
ADFG Sunshine	78																		11																		_
MOB - Rabideux Creek	77			1	Í	1	1	11	T		T		1		T			1	11		T	1	1	11		1							1		1	11	
MOB - Sunshine Creek	76				L			11	I										11																		
MOB - Montana - Sunshine	75				1	1		1	Ī									1	11			Ī											1				
MOB - Montana Creek	71				1	1		11	Ī		1							1	11				1	6	1	4	3						1				1
Montana	70		1	1	1	1	1	11	1		T							1	11			1			5	1							1			1	1
MOB - Kashwitna - Montana	65			1		1	1	11	T		ľ							1	ΤĒ				1			l							1			11	1
MOB - Caswell area tribs	63			1	1	1	t	11	T		1				1			1	11				1			l							1		1		1
MOB - Deshka - Kashwitna	55			1		1	1	11	1		ľ				T			1	ΤĒ							1	1										1
Total Tags Live		8	8	8	8	7	6	3	3	3 3		3 3	2	8	8	8	8	7	2	2	2	2	2	6	6	5	4	1	1	1	1	1	1	1	1	1	1
Mort tags *		0	0	0	0	1	2	0	0) ()	(0 0	1	0	0	0	0	1	C	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0
* current location of mort tags no	Lohourn in	toblo																																			

Table B6. Rainbow trout two-week post tagging location status by tagging group.

	RIS	Deto	re 7/1					RIS	//15 ·	7/31	_	R	ls	7/15	7/31	
Zone			ul	g	бn	ug			g	бn	ßn			ß	бn	бn
Number	RIS	1 Ju	15 J	1 Au	15 A	30 A		RIs	1 Au	15 A	30 A		RIS	1 Au	15 A	30 Aug
		s Car	yon I	PRM 1	53.9-	166.1										
145												2		2		
138																
137							I									
136							Iſ									
135							Iſ									
132							I									
131							I									
130							Iſ					Г				
125																
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115																
114																
112																
111																
110																
109																
108																
106																
105								2	2	1						
100												L				
98																
97											1					
96		1														
95	2															
		L	.ower	River												
85															1	1
84																
83																
82																
81																
80																
78																
77																
76							ļļ					Γ				
75		1	ĺ				ļţ									
71	l			l	l		Iľ									
65		1	2	1	1	1										
	2	2	2	1	1	1		2	2	1	1	2		2	1	1
	0	0	0	1	1	1		0	0	1	1	0		0	1	1
	Number 145 138 137 136 137 136 137 136 137 136 137 136 137 136 137 136 137 136 137 131 130 125 114 115 114 112 111 100 98 97 96 97 96 97 96 97 96 97 96 97 96 95 85 84 83 82 81 80 77 76 75	Number 2000000000000000000000000000000000000	Number 2 2 Devils Carre 145 I 138 I 137 I 136 I 137 I 136 I 137 I 136 I 137 I 136 I 137 I 130 I 131 I 112 I 116 I 111 I 112 I 100 I 101 I 102 I 103 I 104 I 105 I 106 I 107 I 98 I	Number 2 2 5 Devils Carron I 145 138 137 136 136 136 136 137 136 131 131 131 131 118 118 114 111 108 108 </td <td>Number 2 2 2 2 2 Devils Canyon PRM 1 145 I I I 138 I I I I 138 I I I I 137 I I I I 136 I I I I 136 I I I I 136 I I I I 131 I I I I 118 I I I I 1116 I I I I 1111 I I I I 1100 I I I I 1010 I I I I <td>Number # ? <th?< th=""> ? <th?< th=""> ? <th?< th=""> <th?< th=""></th?<></th?<></th?<></th?<></td><td>Devils Canyon PRM 153.9-166.1 145 Image: Constraint of the second /td><td>Devils Canyon PRM 153.9-166.1 145 </td><td>Devils Canyon PRM 153.9-166.1 145 Image: constraint of the stress /td><td>Devils Canyon PRM 153.9-166.1 145 Image: constraint of the straint of the strain</td><td>Devils Canyon PRM 153.9-166.1 145 1 1 1 1 1 138 1 1 1 1 1 1 137 1 1 1 1 1 1 1 136 1 1 1 1 1 1 1 1 136 1 <th1< th=""></th1<></td><td>Devils Canyon PRM 153.9-166.1 145 Image: Colspan="2">Image: Colspan="2" 136 Image: Colspan="2">Image: Colspan="2">Image: Colspan="2" 137 Image: Colspan="2">Image: Colspan="2" 138 Image: Colspan="2">Image: Colspan="2" 136 Image: Colspan="2">Image: Colspan="2" 136 Image: Colspan="2">Image: Colspan="2" 137 Image: Colspan="2" Image: Colspan="2"</td><td>Devils Canyon PRM 153.9-166.1 Image: Conyon PRM 153.9-166.1 145 Image: Conyon PRM 153.9-166.1 Image: Co</td><td>Devils Canyon PRM 153.9-166.1 145 1 1 2 138 1 1 1 2 138 1 1 1 1 1 137 1 1 1 1 1 1 136 1 1 1 1 1 1 1 136 1</td><td>Devils Canyon PRM 153.9-166.1 1 2 2 138 1 1 1 1 1 1 137 1 1 1 1 1 1 1 136 1<!--</td--><td>Devils Canyon PRM 153.9-166.1 145 1 <td< td=""></td<></td></td></td>	Number 2 2 2 2 2 Devils Canyon PRM 1 145 I I I 138 I I I I 138 I I I I 137 I I I I 136 I I I I 136 I I I I 136 I I I I 131 I I I I 118 I I I I 1116 I I I I 1111 I I I I 1100 I I I I 1010 I I I I <td>Number # ? <th?< th=""> ? <th?< th=""> ? <th?< th=""> <th?< th=""></th?<></th?<></th?<></th?<></td> <td>Devils Canyon PRM 153.9-166.1 145 Image: Constraint of the second /td> <td>Devils Canyon PRM 153.9-166.1 145 </td> <td>Devils Canyon PRM 153.9-166.1 145 Image: constraint of the stress /td> <td>Devils Canyon PRM 153.9-166.1 145 Image: constraint of the straint of the strain</td> <td>Devils Canyon PRM 153.9-166.1 145 1 1 1 1 1 138 1 1 1 1 1 1 137 1 1 1 1 1 1 1 136 1 1 1 1 1 1 1 1 136 1 <th1< th=""></th1<></td> <td>Devils Canyon PRM 153.9-166.1 145 Image: Colspan="2">Image: Colspan="2" 136 Image: Colspan="2">Image: Colspan="2">Image: Colspan="2" 137 Image: Colspan="2">Image: Colspan="2" 138 Image: Colspan="2">Image: Colspan="2" 136 Image: Colspan="2">Image: Colspan="2" 136 Image: Colspan="2">Image: Colspan="2" 137 Image: Colspan="2" Image: Colspan="2"</td> <td>Devils Canyon PRM 153.9-166.1 Image: Conyon PRM 153.9-166.1 145 Image: Conyon PRM 153.9-166.1 Image: Co</td> <td>Devils Canyon PRM 153.9-166.1 145 1 1 2 138 1 1 1 2 138 1 1 1 1 1 137 1 1 1 1 1 1 136 1 1 1 1 1 1 1 136 1</td> <td>Devils Canyon PRM 153.9-166.1 1 2 2 138 1 1 1 1 1 1 137 1 1 1 1 1 1 1 136 1<!--</td--><td>Devils Canyon PRM 153.9-166.1 145 1 <td< td=""></td<></td></td>	Number # ? <th?< th=""> ? <th?< th=""> ? <th?< th=""> <th?< th=""></th?<></th?<></th?<></th?<>	Devils Canyon PRM 153.9-166.1 145 Image: Constraint of the second	Devils Canyon PRM 153.9-166.1 145	Devils Canyon PRM 153.9-166.1 145 Image: constraint of the stress	Devils Canyon PRM 153.9-166.1 145 Image: constraint of the straint of the strain	Devils Canyon PRM 153.9-166.1 145 1 1 1 1 1 138 1 1 1 1 1 1 137 1 1 1 1 1 1 1 136 1 1 1 1 1 1 1 1 136 1 <th1< th=""></th1<>	Devils Canyon PRM 153.9-166.1 145 Image: Colspan="2">Image: Colspan="2" 136 Image: Colspan="2">Image: Colspan="2">Image: Colspan="2" 137 Image: Colspan="2">Image: Colspan="2" 138 Image: Colspan="2">Image: Colspan="2" 136 Image: Colspan="2">Image: Colspan="2" 136 Image: Colspan="2">Image: Colspan="2" 137 Image: Colspan="2" Image: Colspan="2"	Devils Canyon PRM 153.9-166.1 Image: Conyon PRM 153.9-166.1 145 Image: Conyon PRM 153.9-166.1 Image: Co	Devils Canyon PRM 153.9-166.1 145 1 1 2 138 1 1 1 2 138 1 1 1 1 1 137 1 1 1 1 1 1 136 1 1 1 1 1 1 1 136 1	Devils Canyon PRM 153.9-166.1 1 2 2 138 1 1 1 1 1 1 137 1 1 1 1 1 1 1 136 1 </td <td>Devils Canyon PRM 153.9-166.1 145 1 <td< td=""></td<></td>	Devils Canyon PRM 153.9-166.1 145 1 <td< td=""></td<>

Table B7. Humpback whitefish two-week post tagging location status by tagging group.

Table B8. Round whitefish two-week post tagging location status by tagging group.

Whitefish, round		RIs	befo	re 7/1				Rls	7/1 - 1	7/14			RIs	7/1 -	7/14			Ris	7/15	- 7/31	
	Zone		I	In	ß	15 Aug	Aug		п	ß	15 Aug	30 Aug		n	ß	15 Aug	٩u		ß	15 Aug	'ng
Zone Name	Number	RIs	1 Jul	15 Jul	1 Aug	15 A	30 A	RIS	15 Jul	1 Aug	15 A	30 A	RIS	15 Jul	1 Aug	15 A	30 Aug	RIS	1 Aug	15 A	30 Aug
								PRM 1													
MOB - Portage trib	152			2	2	2	2														
MOB - Jack Long Creek	146																				
MOB - abv Powerline - Portage	145																				
MOB - above Powerline	138																				
Powerline	137																				
MOB - Slough 21	136																				
MOB - Indian - Slough 21	135																	1			
MOB - Indian trib	132							-										-			
Indian River trib	131																				
Indian River	130							-										-			
MOB - Slough11 - Indian	125																				
MOB - Gold Creek	119						1														
MOB - Slough 11	118																				
MOB - 4th of July - Slough 11	117		1	1	2	2	1														
MOB - 4th of July Creek	116													Γ							
Fourth of July	115			1															1		
MOB - Sherman Creek	114																				
MOB - Slough 9	112																				
MOB - Gateway - 4th of July	111		1	1	1	1	1														
Gateway	110		2																		
MOB - Slough 8A	109																				
MOB - 5th of July Creek	108																				
MOB - Lane Creek	106																				
MOB - Lane - Gateway	105	11	3	1	2	1	1						1	1	1	1	1				
Lane Creek	100		1	2		1	1														
MOB - Trib off zone 95	98																				
MOB - Whiskers Creek	97																				
Whiskers	96																				
MOB - Talkeetna - Lane	95				1																
							Lower	River													
MOB - Sunshine - Talkeetna	85		1	1	1	2	2														
ADFG - Middle Chulitna	84																				
MOB - Chulitna River	83																				
ADFG Chulitna	82																				
MOB - Talkeetna River	81				1			1	1	1	1										
ADFG Talkeetna	80		1	1		1	1							1					1		
ADFG Sunshine	78		l		I				I					1					1		
MOB - Rabideux Creek	77													1					1		
MOB - Sunshine Creek	76	l			l				l	İ	l			1		l			1		
MOB - Montana - Sunshine	75		1		1				1					\mathbf{T}					1		
MOB - Montana Creek	71		1										T	1					1		
Montana	70													1					1		
MOB - Kashwitna - Montana	65													+							
MOB - Caswell area tribs	63		-		-	\vdash			-					+							
MOB - Deshka - Kashwitna	55		-		-	-			-			1		-					-		
Total Tags Live		11	10	10	10	10	10	1	1	1	1	1	1	1	1	1	1	1	1	0	0
Mort tags *		0	10	10	1	10	10	0	0	0	0	0	0	0	0	0	0	0	0	1	0 1
* ourrent location of mort tage not s		-	'					v	v	v	v	0	9	v	v	v	0	v	v		