


# Susitna River Chinook Salmon Spawning Distribution and Abundance 2012 and 2013

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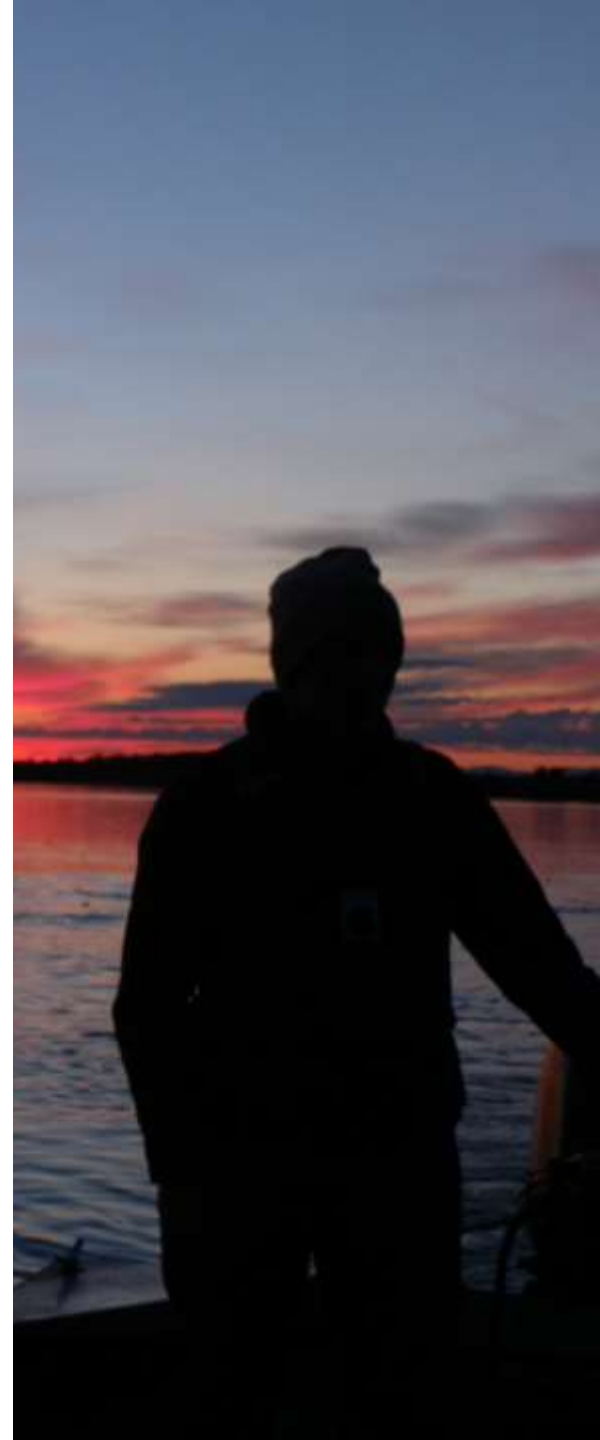
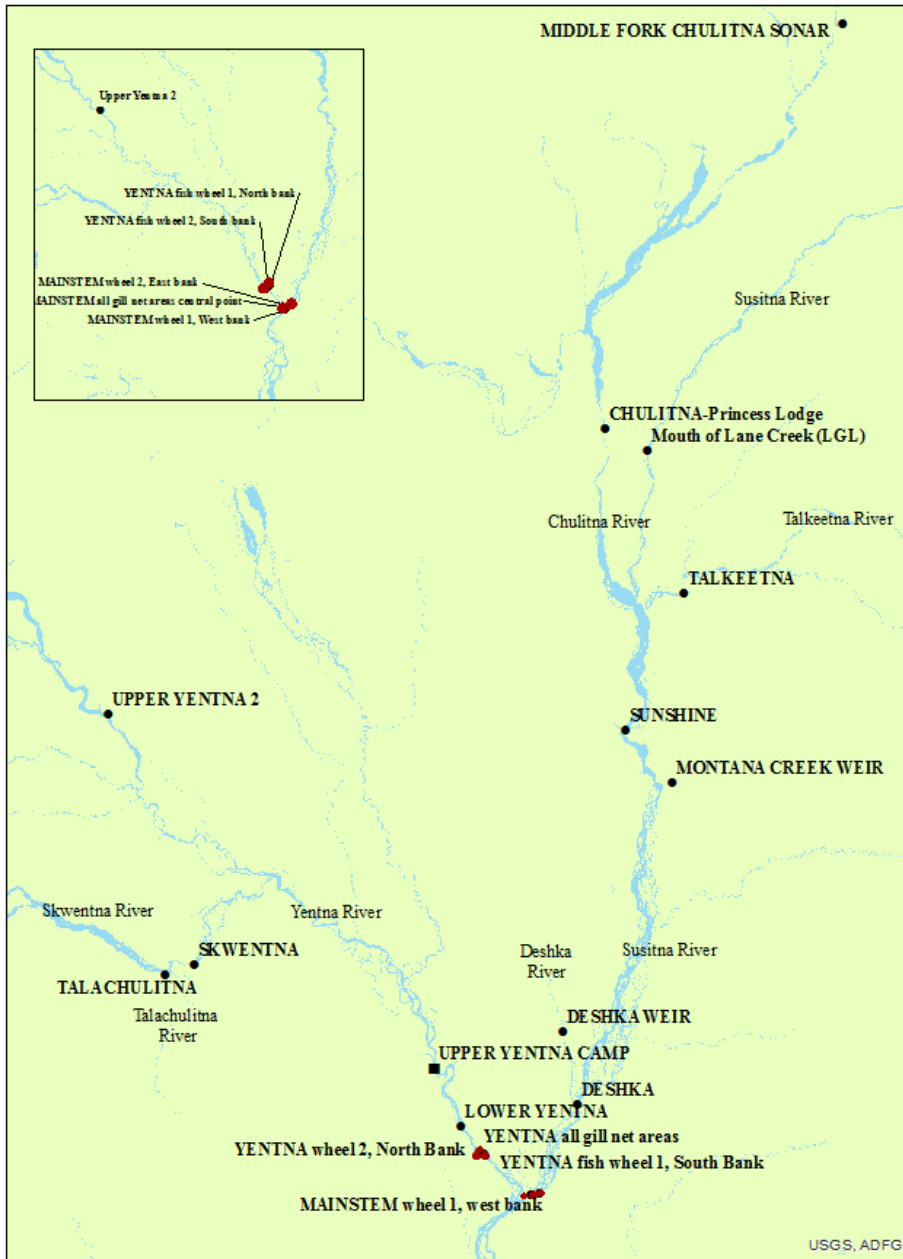
09/21/2012

A scenic sunset over a body of water. The sun is low on the horizon, casting a warm orange glow across the sky and reflecting on the water. In the foreground, a person is visible in a boat, silhouetted against the bright light. The background shows a dark treeline under a cloudy sky.

2012 : First year of Chinook radio tagging in the  
Susitna River – since the Su-Hydro 1980's work

2012 - Distribution only

2013 - Distribution and abundance





Tag deployment



Fish wheels

Drift gill nets



2012 Radio  
tags

443

2013 Radio  
tags

699



# DATA COLLECTION

OFF/ON EXT PWR HEADSET GPS ANT AUDIO RF GAIN

**R4500C**

ADF&G SPORT FISH PALMER

FR 3(08)151876 Hold  
554H GPS

**ATS** AERIAL C  
MADE IN U.S.A.

PGM	SETUP	FREQ	SCR	TEST
0	1	2	3	4
5	MEM	7	8	GPS
6	9			
←	ADDFR CHAN1	ESC	ENTER	
→	MENGE ↓	DELFR CHAN4	RECORD HOLD	SMRT

AUX PC/CLONE SIG





Aerial tracking

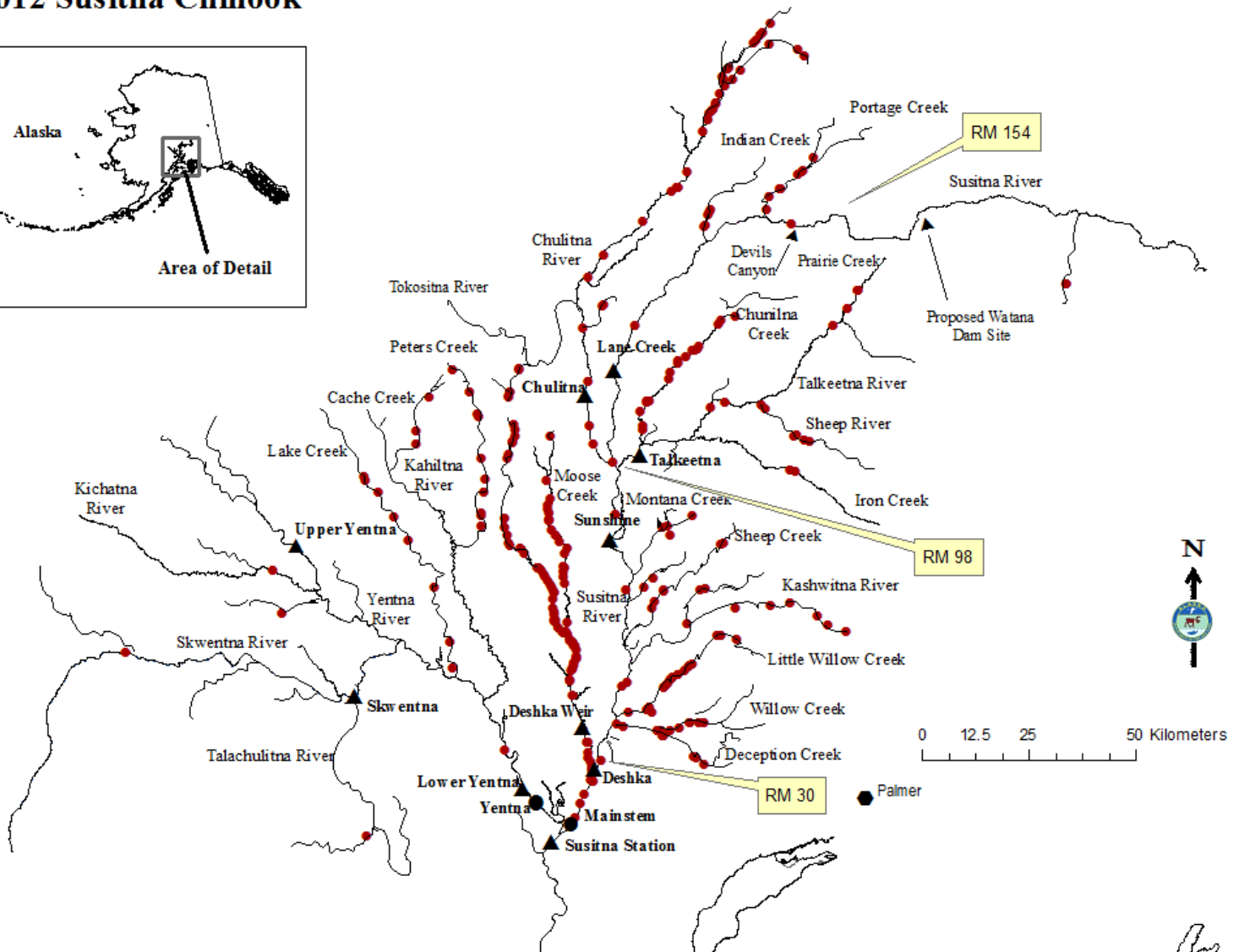
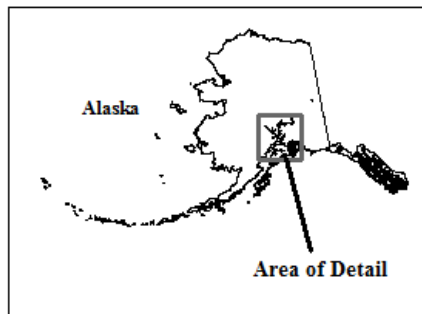
Stationary sites



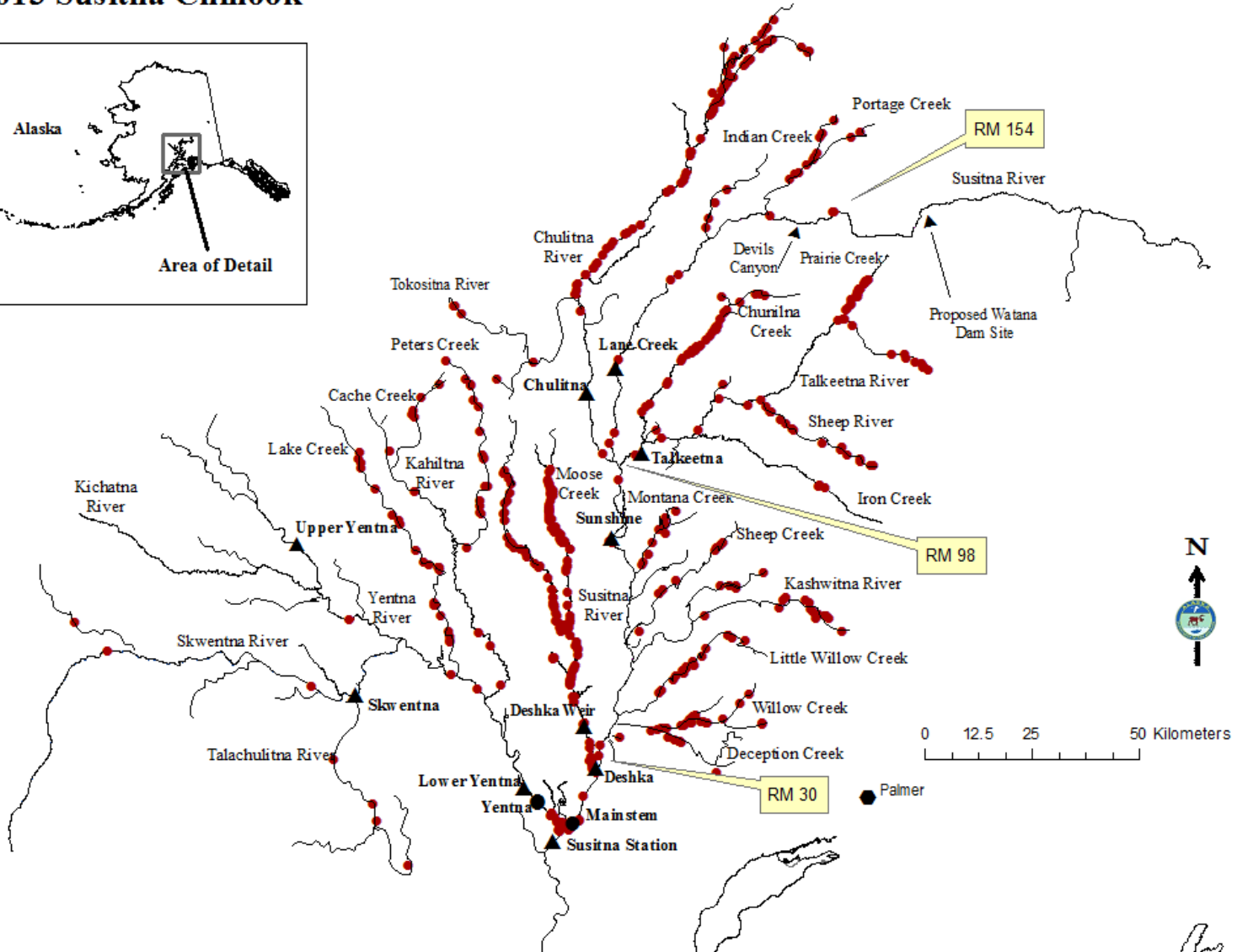
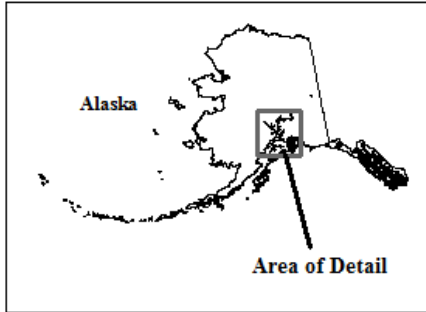
Results



# 2012 Susitna Chinook



# 2013 Susitna Chinook



# Chinook Abundance - 2013

Upstream of tagging site (rm mile 30)

89,436

(CI – 77,720 – 114,954)

River mile 30 – 102.4

2,432

(CI – 2,112 – 3,124)

Deshka River

18,469

(CI – 16,643 – 22,801)

East side Susitna River

Rivers (*Montana, Kashwitna,  
Willow, Sheep etc.*)

16,867

(CI – 16,541 – 21,860)

Talkeetna River

24,408

(CI – 20,619 – 32,362)

Susitna River mile 102.4 – 153.4

7,680

(CI – 6,560 – 10,006)

Chulitna River

19,607

(CI – 16,907 – 25,352)

FUTURE:

Chinook Salmon Research Initiative

Field season - 2015



Thank you





# Acknowledgments

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Soldotna