



State of Alaska
Department of Fish and Game
Sportfish Division

Nomination Form
Fish Distribution Database



Region SCN USGS Quad(s) ANCHORAGE C-6, ~~D-6~~

Fish Distribution Database Number of Waterway 247-50-10220-2085

Name of Waterway Moose Creek USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>07-254</u>	<u>[Signature]</u> ADF&G Fisheries Scientist	<u>11/2/07</u> Date
Revision Year:	<u>2008</u>	<u>[Signature]</u> ADNR O&MP Operations Mgr.	<u>11/2/07</u> Date
Revision to:	Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> FDD Project Biologist	<u>10/14/07</u> Date
Revision Code:	<u>B-1, B-2, B-6</u>	<u>[Signature]</u> Cartographer	<u>11/8/07</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Sockeye salmon	9/23/2006			18	<input checked="" type="checkbox"/>
Chinook salmon	5/2007(r); 7/26-27/2007(sp)	513	2		<input checked="" type="checkbox"/>
Coho salmon	9/20-23/2006	316	4		<input checked="" type="checkbox"/>
Chum salmon	8/2007	✓		~1,000	<input checked="" type="checkbox"/>
					<input type="checkbox"/>

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat, locations, types, and heights of any barriers, etc.

Comments:
 Sample methods for adult salmon observations (both spawning and present) were made from visual observations from foot surveys. The sockeye observed were adults.
Extend coho salmon spawning, add coho
 Juvenile salmon were sampled using baited minnow traps. *Salmon Rearing add chinook salmon rearing*
Chum salmon spawning and sockeye salmon presence
 In Moose Creek, I have observed adult Chinook, coho and chum, along with juvenile Chinook and coho salmon. However, the data points denoting the upper extent of each species come from Brian Winnestaffer and Jessica Dryden, fish biologists with the Chickaloon Village Environmental Protection Program. They have conducted the majority of sampling on this creek since 2005. The upper extent for adult Chinook salmon is accurate as currently shown in the Fish Distribution Database.

Name of Observer (please print): Mary Price
 Signature: [Signature]
 Agency: USF&WS - Anchorage Field Office
 Address: 605 W 4th Ave Rm G-61
Anchorage, AK 99501

Date: 10/11/2007

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Fish Distribution Database.

Signature of Area Biologist: _____ Date: _____ Revision 02/05
 Name of Area Biologist (please print): _____



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Nomination # _____	_____	_____
Revision Year: <u>2008</u>	_____	_____
Revision to: Atlas _____ Catalog _____	_____	_____
Both _____	_____	_____
Revision Code: _____	_____	_____
	ADF&G Fisheries Scientist	Date _____
	ADNR OHMP Operations Mgr.	Date _____
	FDD Project Biologist	Date _____
	Cartographer	Date _____

ALASKA DEPT. OF FISH & GAME
OCT 19 2007

OBSERVATION INFORMATION

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IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as other information such as: specific stream reaches observed as spawning or rearing habitat, locations, types, and heights of any barriers, etc.

Comments:
 Sample methods for adult salmon observations (both spawning and present) were made from visual observations from foot surveys. The sockeye observed were adults.
 Juvenile salmon were sampled using baited minnow traps.
 In Moose Creek, I have observed adult Chinook, coho and chum, along with juvenile Chinook and coho salmon. However, the data points denoting the upper extent of each species come from Brian Winnestaffer and Jessica Dryden, fish biologists with the Chickaloon Village Environmental Protection Program. They have conducted the majority of sampling on this creek since 2005. The upper extent for adult Chinook salmon is accurate as currently shown in the Fish Distribution Database.

Name of Observer (please print): Mary Price
 Signature: Mary A Price Date: 10/11/2007
 Agency: USF&WS - Anchorage Field Office
 Address: 605 W 4th Ave Rm G-61
Anchorage, AK 99501

This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Fish Distribution Database.
 Signature of Area Biologist: Daniel Bas Date: 10/11/07 Revision 02/05
 Name of Area Biologist (please print): _____

Johnson, J D (DFG)

From: Mary_Price@fws.gov
Sent: Thursday, October 11, 2007 4:27 PM
To: Johnson, J D (DFG)
Subject: Fw: Moose Creek FDD nomination for your signature

Seems as if things are in the works. Since snail mail takes awhile, I'll send you the same electronic files I sent to Dave for you to preview.

Mary A. Price
 Habitat Restoration Biologist
 U.S. Fish and Wildlife Service - Anchorage Field Office
 605 West 4th Ave., Ste. G-61, Anchorage, AK, 99501
 907-271-2788

----- Forwarded by Mary Price/R7/FWS/DOI on 10/11/2007 04:21 PM -----
 "Rutz, David S (DFG)" <david.rutz@alaska.gov>

10/11/2007 02:42 PM

To: Mary_Price@fws.gov
 cc
 Subject: RE: Moose Creek FDD nomination for your signature

I signed it and should be in the mail tomorrow.

Sincerely,

Dave Rutz

*Area Management Biologist for N&WCI
 Alaska Department of Fish and Game
 Division of Sport Fish
 1800 Glenn Highway, Suite #4
 Palmer, Alaska 99645
david_rutz@fishgame.state.ak.us
 Office Phone # (907) 746-6323
 Cell Phone # (907) 355-7453*

From: Mary_Price@fws.gov [mailto:Mary_Price@fws.gov]
Sent: Thursday, October 11, 2007 10:48 AM
To: Rutz, David S (DFG)
Subject: Moose Creek FDD nomination for your signature

Dave,

Here are the documents. Please call if you have questions.

10/12/2007

06-53f-8

Moose Creek Fish Passage Restoration Assessment and Monitoring - 2006

Objective(s): To document fish species diversity and distribution within the Moose Creek drainage in response to a fish barrier removal and habitat restoration project. Moose Creek was straightened and channelized at several locations in the early 1900's to facilitate construction of a railroad line for transporting coal from several mines. The river was never restored, and it eroded down to bedrock ledges. One of these ledges developed a 10-foot high waterfall near river mile 3, blocking all salmon migration.

collected
07/31/2007

Benefits: Record anadromous fish re-colonization of upper Moose Creek after implementation of the fish passage restoration project (removal of total migration barrier); improved fish distribution data for this drainage.

Dates and Location of Collections: July 24 - 25, 2006 for Chinook sample; September 19 - 23, 2006 for coho sample. Location of sampling was the entire lower 8.3 miles of Moose Creek.

Target Species: The focus is on Chinook and coho salmon, but other salmon species were recorded as observed.

Capture Methods: Foot surveys of adult salmon.

Numbers and Disposition: All adult salmon observed were counted. No live fish were handled. See table below for salmon numbers.

Additional Sampling: Where Chinook salmon carcasses could be recovered, sex and spawning success were recorded.

FWS Contact and Phone Number: Mary Price; 907-271-2788.

Mary Price
SFWS, 907

ADF&G Contact and Phone Number: Dave Rutz, 746-6300.

Date (2006)	Species	Live	Carcass	Reach (river mile)	Comment
July 24-25	Chinook	97	12	8.3 - 3.5	Upstream from removed barrier site
July 25	Chinook	216	40	8.3 - 0.9	Removed barrier to Glenn Hwy
July 25	Chinook	177	14	0.9 - 0.0	Glenn Hwy to mouth
Sept 19-21	Coho	32	0	8.3 - 3.5	Upstream from removed barrier site
Sept 21	Coho	121	72	8.3 - 0.9	Removed barrier to Glenn Hwy
	Sockeye	1			
Sept 23	Coho	163	270	0.9 - 0.0	Glenn Hwy to mouth
	Sockeye	18			

06-53a-4

Moose Creek Fish Passage Restoration Assessment and Monitoring

Objective(s): To document fish species diversity and distribution within the Moose Creek drainage in response to a restoration project. Spawning Chinook and coho salmon were documented upstream of a bypassed barrier in 2005.

Moose Creek was straightened and channelized at several locations in the early 1900's to facilitate construction of a railroad line for transporting coal from several mines. The railroad and coal mines are gone and the river runs through undeveloped state lands, but the river was never restored, and it eroded down to bedrock ledges. One of these ledges developed a 10-foot high waterfall near river mile 3, blocking all salmon migration. Historic accounts indicate five species of Pacific salmon lived in Moose Creek, and were once abundant enough to feed the many mining camps and local people. Cut off from the majority of their habitat, salmon numbers rapidly declined, though remnant populations of Chinook, coho and chum salmon continued to exist below the falls. In 2005, a natural river channel and floodplain bypassing the waterfall was constructed, opening approximately 7 miles of main stem river plus several tributaries and wetland areas.

Benefits: Record anadromous fish re-colonization of upper Moose Creek after implementation of the fish passage restoration project (removal of total migration barrier); improved fish distribution data for this drainage.

Dates and Location of Collections: Dates will be throughout the year, though primarily May through October. Locations will be throughout the entire Moose Creek drainage.

Target Species: The focus is on salmon species, but all fish species will be recorded.

Capture Methods: Gee type minnow traps; direct observation (snorkeling and foot surveys); possibly small juvenile beach seines and fyke nets.

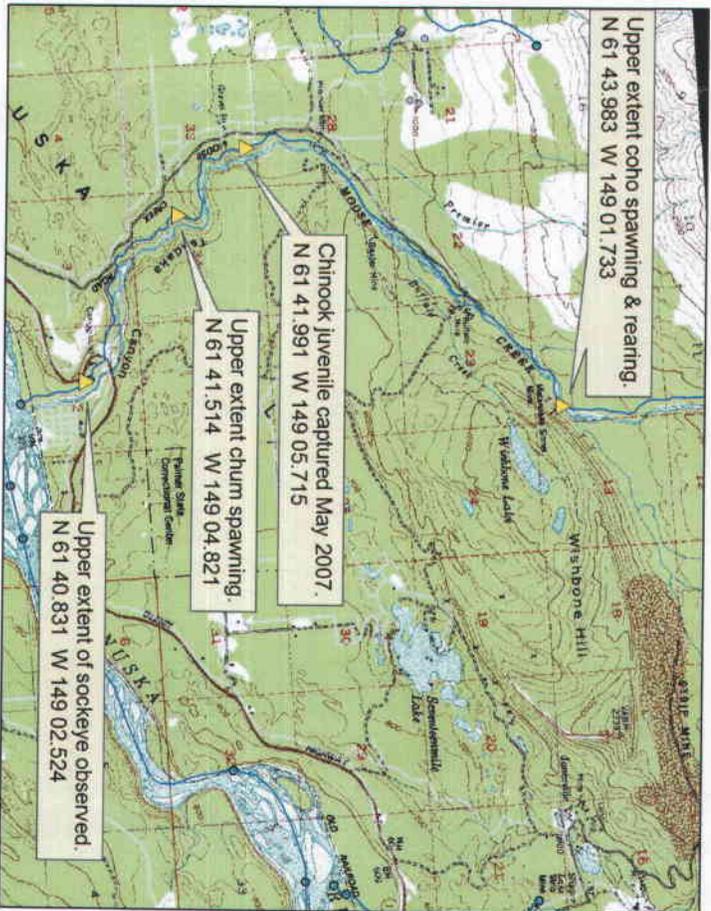
Numbers and Disposition: All fish will be released. No fish need be sacrificed.

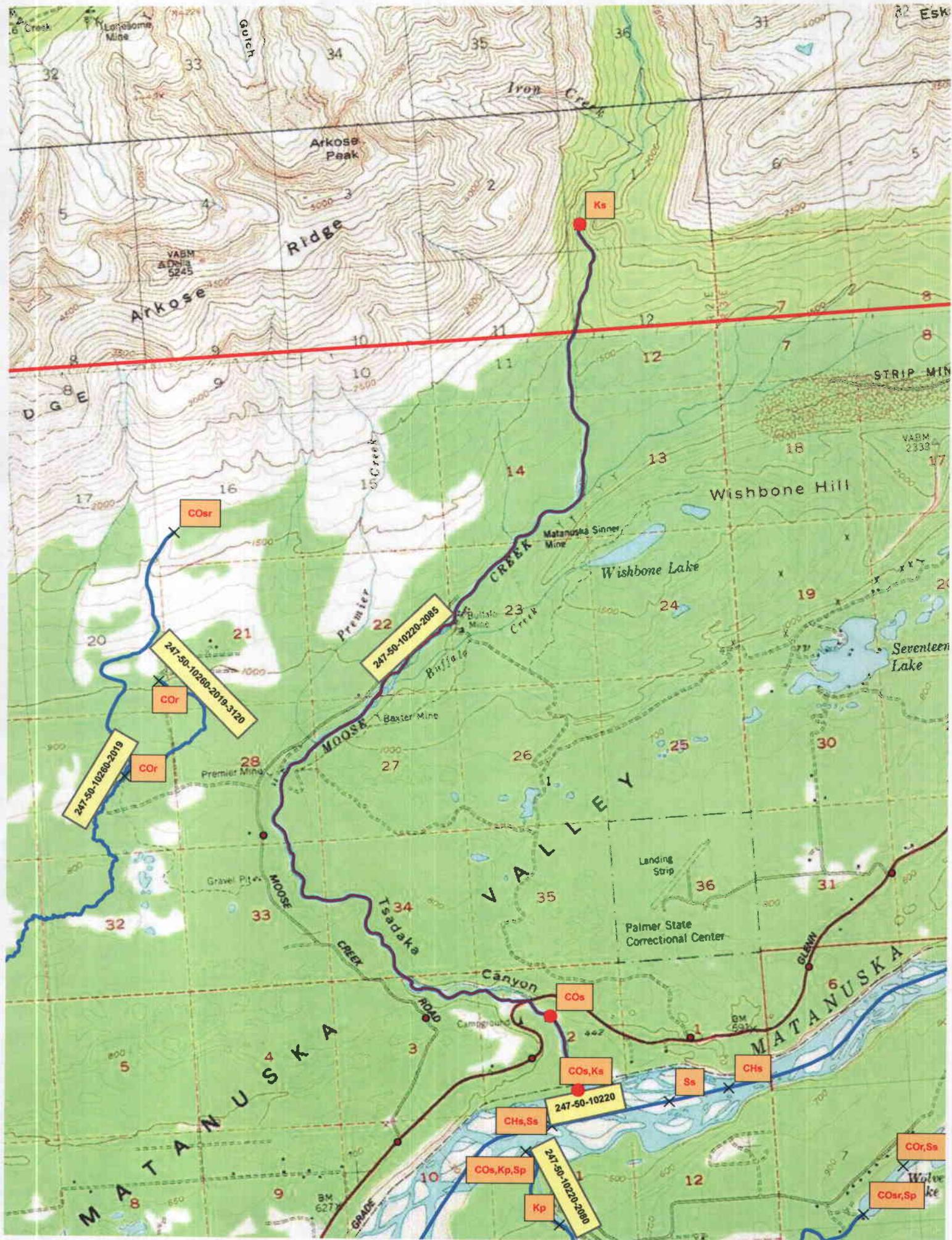
Additional Sampling: Fish lengths may be collected.

FWS Contact and Phone Number: Mary Price; 907-271-2788.

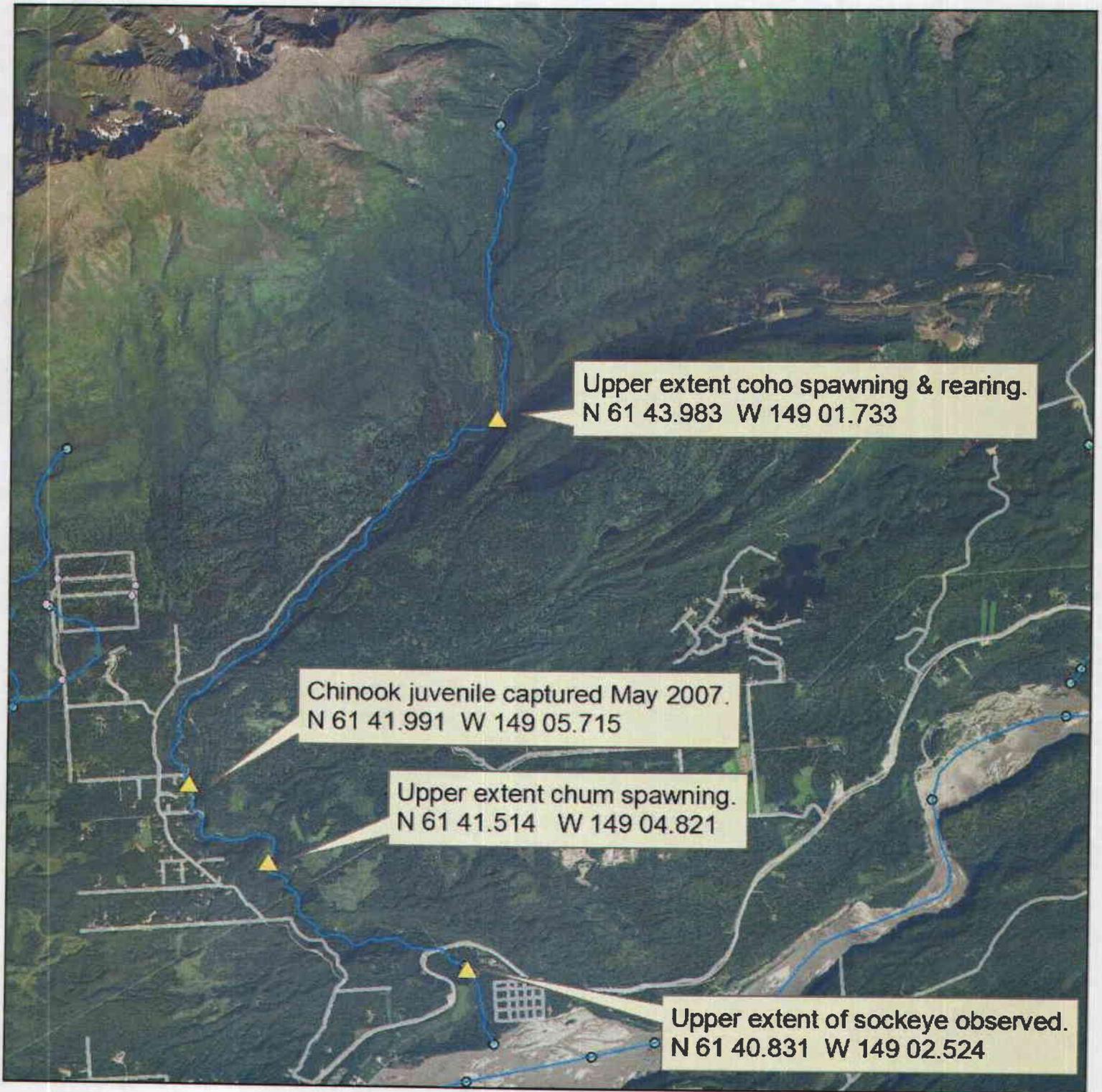
ADF&G Contact and Phone Number: Matthew LaCroix, 267-2122

Moose Creek (247-50-10220-2085)



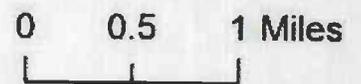


Moose Creek (247-50-10220-2085)

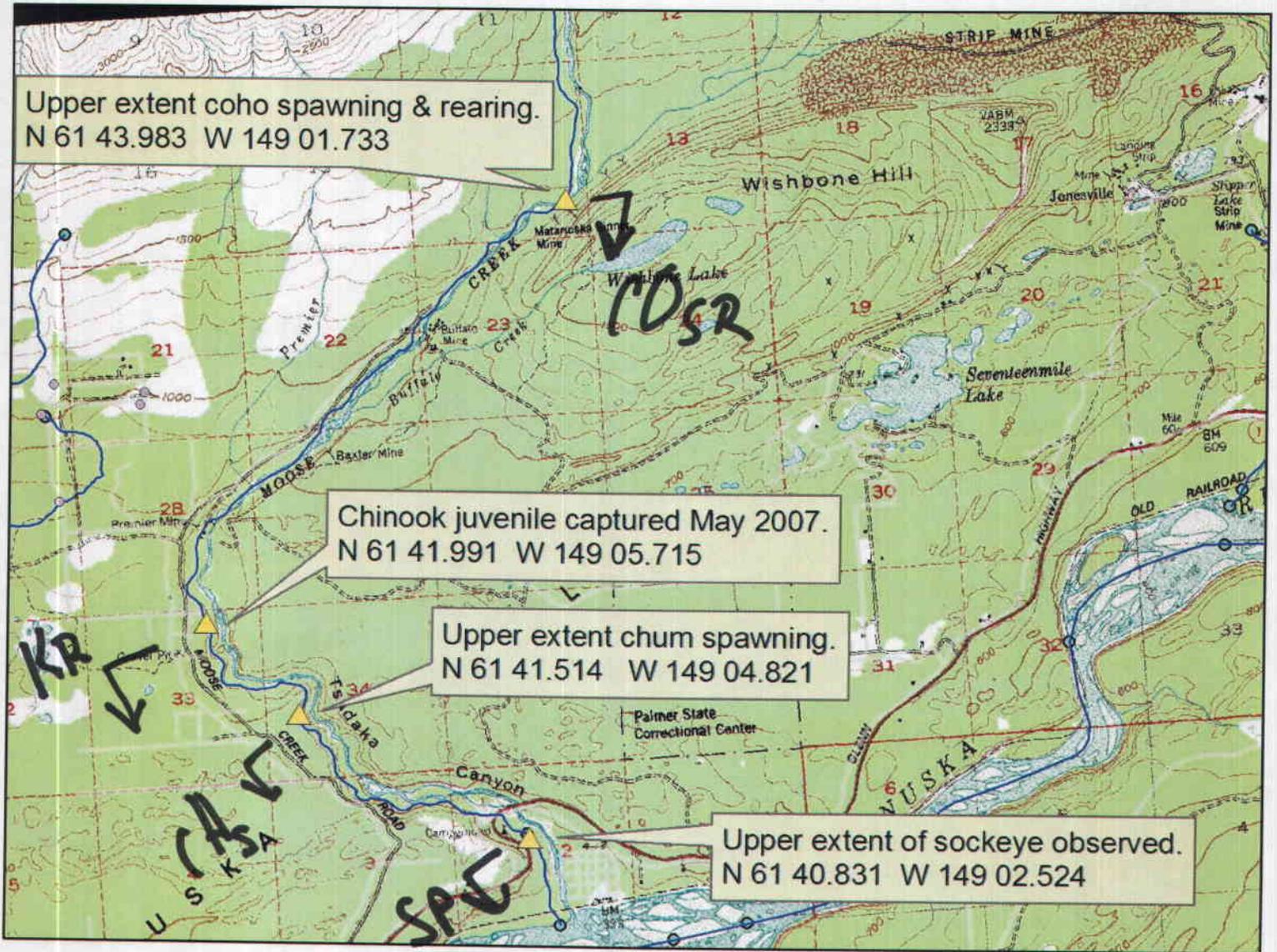


GPS Datum: WGS 84

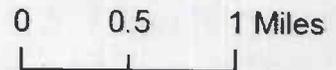
Position Format: degrees and minutes (hddd mm.mmm')



Add ^{Extender} coho salmon spawning, rearing
 Chinook salmon rearing
 Chum salmon spawning and sockeye salmon
 Moose Creek (247-50-10220-2085) ^{pro succ}



GPS Datum: WGS 84
 Position Format: degrees and minutes (hddd mm.mmm')



KR
 ASA
 SPC
 COSR