



State of Alaska
Department of Fish and Game
Division of Sport Fish

Nomination Form
Anadromous Waters Catalog

M

Region SCN USGS Quad(s) Kenai B-2 ~~C-2~~ C-3
 Anadromous Waters Catalog Number of Waterway 244-30-10010-2076
 Name of Waterway Killey River USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>09-280</u>	<u>[Signature]</u> Fisheries Scientist	<u>10/30/09</u> Date
Revision Year:	<u>2010</u>	<u>[Signature]</u> Habitat Operations Manager	<u>10/30/09</u> Date
Revision to:	Atlas _____ Catalog _____ Both <u>X</u>	<u>[Signature]</u> AWC Project Biologist	<u>4/3/09</u> Date
Revision Code:	<u>B-1</u>	<u>[Signature]</u> Cartographer	<u>12/16/09</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Pacific Lamprey	June, 1997			X	<input checked="" type="checkbox"/>
					<input type="checkbox"/>
					<input type="checkbox"/>
					<input 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: Add presence of Pacific lamprey to 244-30-10010-2076
Add presence of Pacific lamprey to 244-30-10010 and -2076

Name of Observer (please print): Robert Massengill
 Signature: [Signature] Date: 3/23/2009
 Agency: Alaska Department of Fish and Game
 Address: 43961 K-Beach Rd., Suite B
Soldotna, AK 99669

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 Anadromous Waters Catalog.
 Signature of Area Biologist: [Signature] Date: 3/23/2009 Revision 05/08
 Name of Area Biologist (please print): _____

Johnson, J D (DFG)

From: Massengill, Robert L (DFG)
Sent: Thursday, March 19, 2009 3:53 PM
To: Johnson, J D (DFG)
Subject: RE: Kenai/Moose River pacific lamprey

i,

am not sure I have document rights to make edits to your documents. I can tell you that on the Moose River image, the green dot you have put near the five mile mark needs to be placed downstream slightly (just below the creek that enters from the east). I have so documented Pacific Lamprey within the first two miles of the Killey River.

ob

30-2928

From: Johnson, J D (DFG)
Sent: Thursday, March 19, 2009 1:52 PM
To: Massengill, Robert L (DFG)
Cc: Bon, Steven (DFG); McCracken, Betsy W (DFG)
Subject: Kenai/Moose River pacific lamprey

ob/Myke

Betsy McCracken forwarded your email regarding your observations of Pacific lamprey in the Moose River. While the dept has documented the presence of lamprey in the Kasilof River, Moose and Kenai River observations are not documented in the Anadromous Waters Atlas and Catalog. With your help, I hope to change that. I've attached a map that indicates the approximate location (5 miles upstream of the mouth) mentioned in your email to Betsy.

The green dot on the map (near fork w/W. Fork Moose River) is approximately 5 miles from the mouth of the Moose River. The red 'sh' symbols represent locations of various ADF&G sampling activities. If you would mark on the map where you actually observed Pacific lamprey and return it to me, I'll then put together a nomination form for one of ya to endorse.

Let me know if ya have any ????????????

ix

Johnson
 DF&G
 Anadromous Waters Catalog
 Project Biologist
 907-267-2337

From: Massengill, Robert L (DFG)
Sent: Tuesday, March 17, 2009 12:06 PM
To: McCracken, Betsy W (DFG)
Subject: RE: Lamprey inquiry

i Betsy,

The Pacific lamprey tissue samples were collected from the Moose River (about five miles upstream of the mouth). The Moose R. is a tributary of the Kenai River drainage.

Take care, Rob

3/20/2009

C9-261

McCracken, Betsy W (DFG)

From: Massengill, Robert L (DFG)
Sent: Monday, March 16, 2009 4:32 PM
To: McCracken, Betsy W (DFG)
Cc: tubearz@yahoo.com
Subject: RE: Lamprey inquiry
Attachments: Pacific Lamprey Moose River.JPG

*create
Nom for*

Hi Betsy,

My experience with lampreys in the Moose River is pretty limited. Myke Bon who worked on the Moose River coho CWT project as a technician (and now works for Mary King as an FBI) developed a keen interest in lampreys and has far more knowledge of them than I do. I do know that we have Brook, Arctic and Pacific Lampreys on the Kenai Peninsula. We collected genetic samples of Pacific Lampreys about 6 years ago for a professor in the lower 48 (a contact of Myke). We do find lampreys (adults and juveniles) in most if not all of our local drainages. We often find ammocoetes (juveniles) living in the stream substrate that are hard to identify to species without looking at dentation, there are lots of them in the Moose River. We often had adult pacific lamprey wash up dead or highly stressed on the Moose River weir after their spring spawning and often watched the Pacifics build spawning beds just above the weir. Please let me know if there is something specific you would like to know. I suggest you contact Myke Bon for detailed info on lampreys.

Thanks, Rob

P.S Attached is the only lamprey pic I could find

From: McCracken, Betsy W (DFG)
Sent: Thursday, March 12, 2009 2:47 PM
To: Massengill, Robert L (DFG)
Subject: Lamprey inquiry

Hi Rob,

Hey, I was talking with Jenny Cope a while back about lamprey on the Kenai. She mentioned to me that you have some knowledge and experience with them in the Moose River. I am wondering if you would shoot me an email describing some of your experiences with them in that system, and anywhere else you have knowledge of them. Also, if you have any photos, I would love to see them.

Thanks very much!

Betsy

Betsy W. McCracken
 Fishery Biologist
 Sport Fish Division
 Alaska Department of Fish and Game

Phone: (907) 267 - 2238

Fax: (907) 267 - 2422

3/17/2009

Johnson, J D (DFG)

From: Johnson, J D (DFG)
Sent: Thursday, March 19, 2009 1:52 PM
To: Massengill, Robert L (DFG)
Cc: Bon, Steven (DFG); Betsy Mccracken (Betsy W Mccracken)
Subject: Kenai/Moose River pacific lamprey
Attachments: moose.pdf; kenai_moose.pdf

ob/Myke

Betsy McCracken forwarded your email regarding your observations of Pacific lamprey in the Moose River. While the dept has documented the presence of lamprey in the Kasilof River, Moose and Kenai River observations are not documented in the nadtromous Waters Atlas and Catalog. With your help, I hope to change that. I've attached a map that indicates the approximate location (5 miles upstream of the mouth) mentioned in your email to Betsy.

The green dot on the map (near fork w/W. Fork Moose River) is approximately 5 miles from the mouth of the Moose River. The red symbols represent locations of various ADF&G sampling activities. If you would mark on the map where you actually observed pacific lamprey and return it to me, I'll then put together a nomination form for one of ya to endorse.

Let me know if ya have any ????????????

ix

Johnson
 DF&G
 nadtromous Waters Catalog
 roject Biologist
 07-267-2337

From: Massengill, Robert L (DFG)
Sent: Tuesday, March 17, 2009 12:06 PM
To: McCracken, Betsy W (DFG)
Subject: RE: Lamprey inquiry

Hi Betsy,

The Pacific lamprey tissue samples were collected from the Moose River (about five miles upstream of the mouth). The Moose R. is a tributary of the Kenai River drainage.

Take care, Rob

6/27/2000



Johnson, J D (DFG)

From: McCracken, Betsy W (DFG)
Sent: Thursday, March 19, 2009 1:22 PM
To: Johnson, J D (DFG)
Subject: Moose River Pacific Lamprey

ere it is!

etsy

etsy W. McCracken
Fishery Biologist
Port Fish Division
Alaska Department of Fish and Game

Phone: (907) 267 - 2238
Fax: (907) 267 - 2422

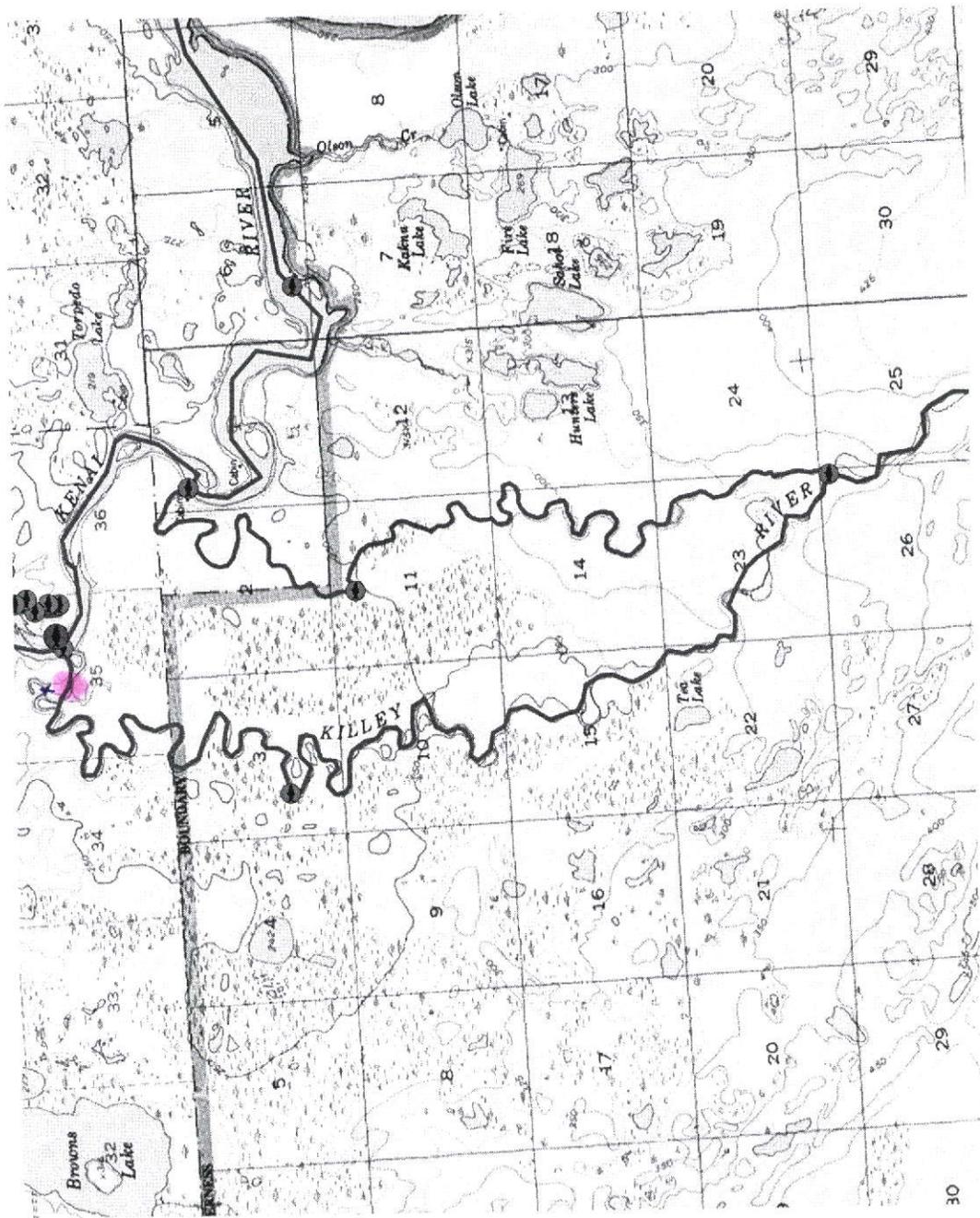
etsy.McCracken@alaska.gov

From: Massengill, Robert L (DFG)
Sent: Tuesday, March 17, 2009 12:06 PM
To: McCracken, Betsy W (DFG)
Subject: RE: Lamprey inquiry

Hi Betsy,

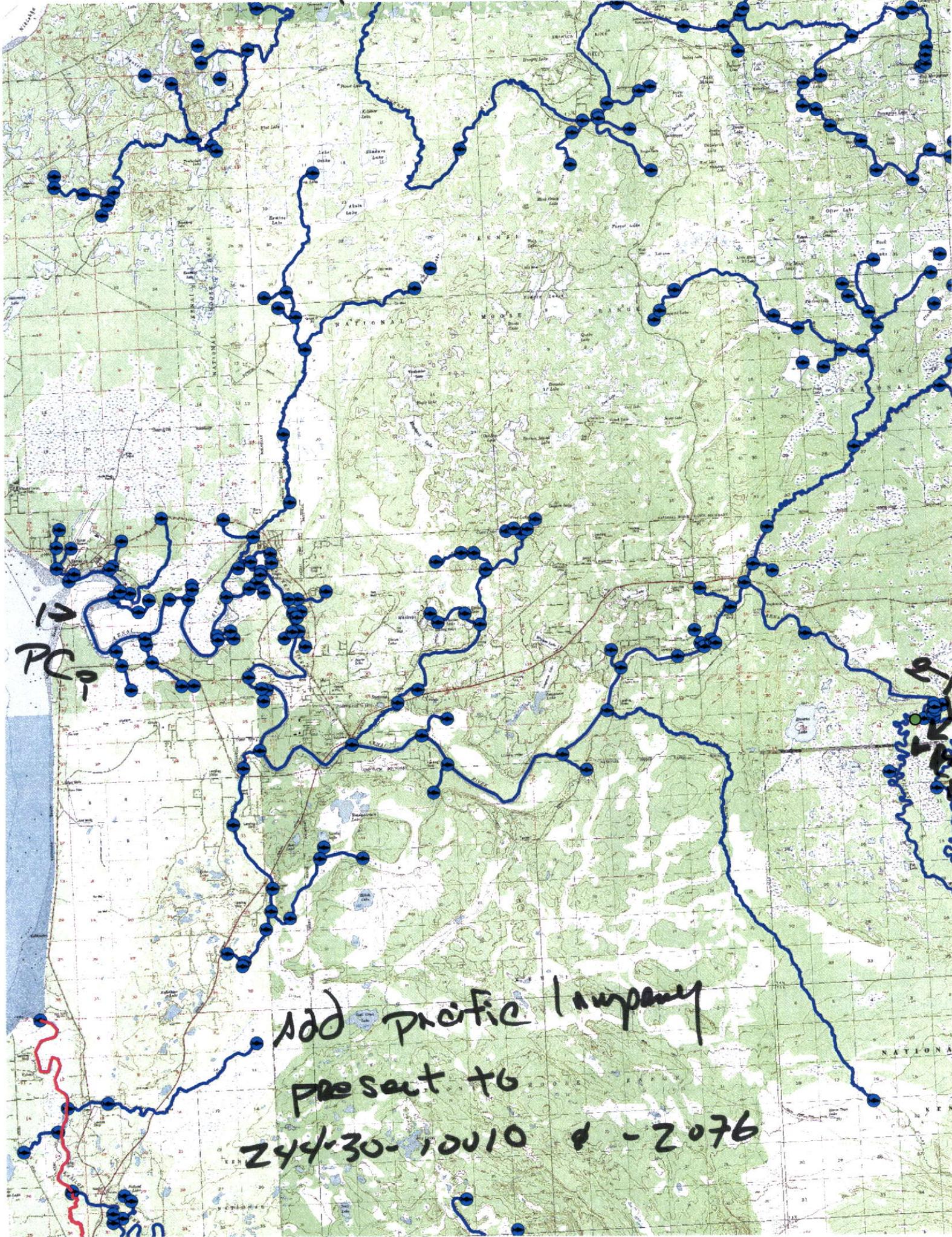
The Pacific lamprey tissue samples were collected from the Moose River (about five miles upstream of the mouth). The Moose R. is a tributary of the Kenai River drainage.

Take care, Rob



* pink dot denotes location of lamprey observation.





PC →

add pacific lamprey
present to
244-30-10010 d - 2076