



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

**Nomination Form
Fish Distribution Database**

Region USGS Quad(s)
 Anadromous Waters Catalog of Waterway
 Name of Waterway USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>09-744</u>	_____	_____
Revision Year: <u>2010</u>	Fisheries Scientist	Date
Revision to: Atlas _____ Catalog _____		Date
Both _____		<u>4 Jun 09</u>
Revision Code: <u>F-1</u>	AWC Project Biologist	Date
	Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Inconnu	8/18 & 8/28/2007, 7/20 & 10/9/2008			2	<input 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: Substantiated presence of sheefish in 335-30-16600-2255

During mid August to early September 2007, we fished the mouth of the Takotna River with gillnets and hook and line in an attempt to capture and emplace radio transmitters into inconnu. Like the mouth of the Katitna River, the mouth of the Takotna River is a popular place for locals to go hook and line fishing for sheefish, salmon, etc. since it is located directly across from McGrath. This radio-tagged sheefish became our first tagging mortality. We captured it on 8/18/2007 at 62.9632, -155.6163. We also captured and radiotagged a second sheefish at the mouth of Nixon Fork on 8/28/2007. This fish returned to the mouth of Nixon Fork during early June 2008, remained for the duration of the summer, and was seen beginning its journey to overwinter in the Kuskokwim Bay on 10/9/2008. During the aerial tracking flight of 7/20/2008, a second sheefish that had been tagged downriver was also detected near the mouth of this drainage (63.0302, -155.6608).

Name of Observer (please print): Lisa Stuby
 Signature: _____ Date: _____
 Agency: ADF&G - Fairbanks
 Address: 1300 College Road
Fairbanks, AK 99701

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: _____ Date: _____
 Revision 02/08



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

**Nomination Form
Fish Distribution Database**

Region USGS Quad(s)

Anadromous Waters Catalog of Waterway

Name of Waterway USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination # _____	_____	_____
Revision Year: _____	Fisheries Scientist	Date _____
Revision to: Atlas _____ Catalog _____	Habitat Operations Mgr.	Date _____
Both _____	AWC Project Biologist	Date _____
Revision Code: _____	Cartographer	Date _____

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Inconnu	8/18 & 8/28/2007, 7/20 & 10/9/2008			2	<input 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:

During mid August to early September 2007, we fished the mouth of the Takotna River with gillnets and hook and line in an attempt to capture and emplace radio transmitters into inconnu. Like the mouth of the Katlitna River, the mouth of the Takotna River is a popular place for locals to go hook and line fishing for inconnu, salmon, etc. since it is located directly across from McGrath. This radio-tagged inconnu became our first tagging mortality. We captured it on 8/18/2007 at 62.9632, -155.6163. We also captured and radiotagged a second inconnu at the mouth of Nixon Fork on 8/28/2007. This fish returned to the mouth of Nixon Fork during early June 2008, remained for the duration of the summer, and was seen beginning its journey to overwinter in the Kuskokwim Bay on 10/9/2008. During the aerial tracking flight of 7/20/2008, a second inconnu that had been tagged downriver was also detected near the mouth of this drainage (63.0302, -155.6608).

Name of Observer (please print):

Signature:

Agency:

Address:

Lisa Stuby
Lisa Stuby
ADF&G - Fairbanks
1300 College Road
Fairbanks, AK 99701

Date: 14 May '09

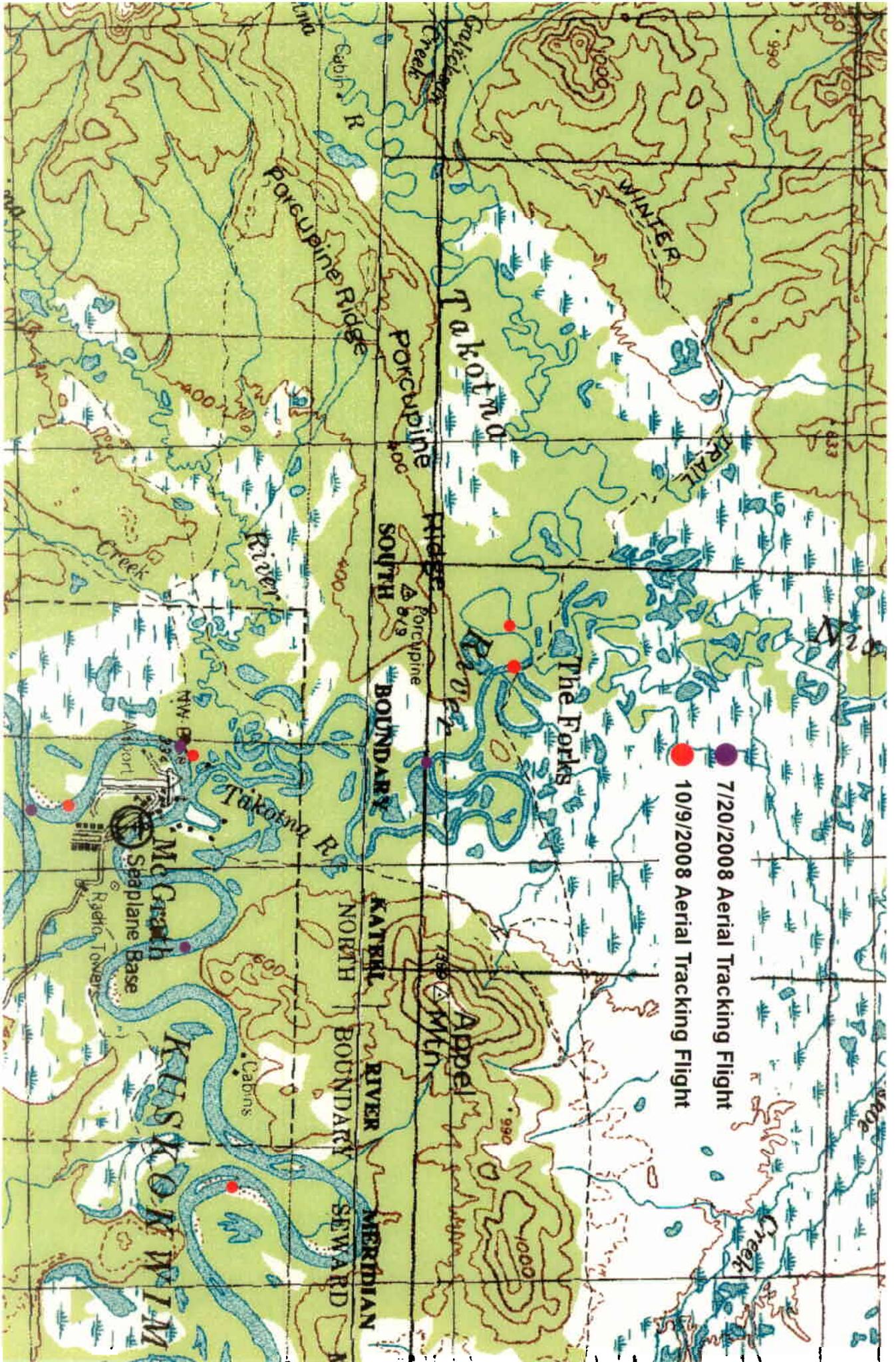
This certifies that in my best professional judgment and belief the above information is evidence that this waterbody should be included in or deleted from the Anadromous Waters Catalog.

Signature of Area Biologist:

Date:

Revision 02/08

[Signature] 14 MAY '09



- 7/20/2008 Aerial Tracking Flight
- 10/9/2008 Aerial Tracking Flight

Johnson, J D (DFG)

From: Stuby, Lisa A (DFG)
Sent: Wednesday, May 13, 2009 12:15 PM
To: Johnson, J D (DFG)
Subject: RE: Kuskokwim River sheefish nominations for AWC
Attachments: 2008 George River sheefish.xls; 2008 George River sheefish.jpg; 2008 Holitna River sheefish.xls; 2008 Hoholitna River sheefish.xls; 2008 Holitna&Hoholitna sheefish.jpg; 2008 Stony River sheefish.jpg; 2008 Stony River sheefish.xls

Hi J,

Here are some more Kuskokwim River sheefish nominations, primarily summer feeding areas at the mouth of major tributaries. In a little while I'll finally send out the nomination forms for Big River and Middle Fork spawning locations; good to finally to see sheefish away from a river mouth. Sheefish definitely have a very different life history than salmon. They can live for 20 to 30 years and typically spend the winter months in the Kuskokwim Bay and travel to tributary mouths to spend the summer feeding, especially the Holitna River. This study will continue on for hopefully three more summers including the present. So far, some sheefish spend the summers travelling around, others are homebodies who travel to their summer "residences" (like one fish captured at Nixon Fork during August 2007) and remain for the duration. Those in spawning condition will travel over a two-month period to upriver spawning locations. Some of the spawning sheefish arrive early and travel back and forth to other drainages and others arrive before the broadcast event (whitefish are broadcast spawners) during late September/early October. During mid-October/early November most sheefish start migrating downriver back to the Kuskokwim Bay to overwinter. The Kuskokwim River Drainage is their home. As I mentioned in my last e-mail, I'll update where necessary and at the conclusion of the project will update all of these with 5 years of radiotelemetry data to give additional credence to what I have submitted representing the 2007 and 2008 study so far. Again, let me know if the attachments look good and that I've done everything I should have and I will copy off the nomination forms, sign, and have John Chythlook sign and return them to you.

Lisa Stuby <|||>|||<

Alaska Department of Fish and Game
 1300 College Road
 Fairbanks, Alaska 99701
 (907) 459-7202
 (907) 459-7347 (fax)

From: Johnson, J D (DFG)
Sent: Tuesday, May 12, 2009 11:02 AM
To: Stuby, Lisa A (DFG)
Subject: RE: Kuskokwim River sheefish nominations for AWC

Lisa

Got anything for Goodnews River?

It is listed in AWC but was suppose to be taken out a while ago, but we cab stop that action if ya have any data I'll look over your stuff today and let ya know if I need anything else

I'll accept noms any old time

From: Stuby, Lisa A (DFG)
Sent: Tuesday, May 12, 2009 10:38 AM
To: Johnson, J D (DFG)
Cc: Buckwalter, Joseph D (DFG)

5/13/2009

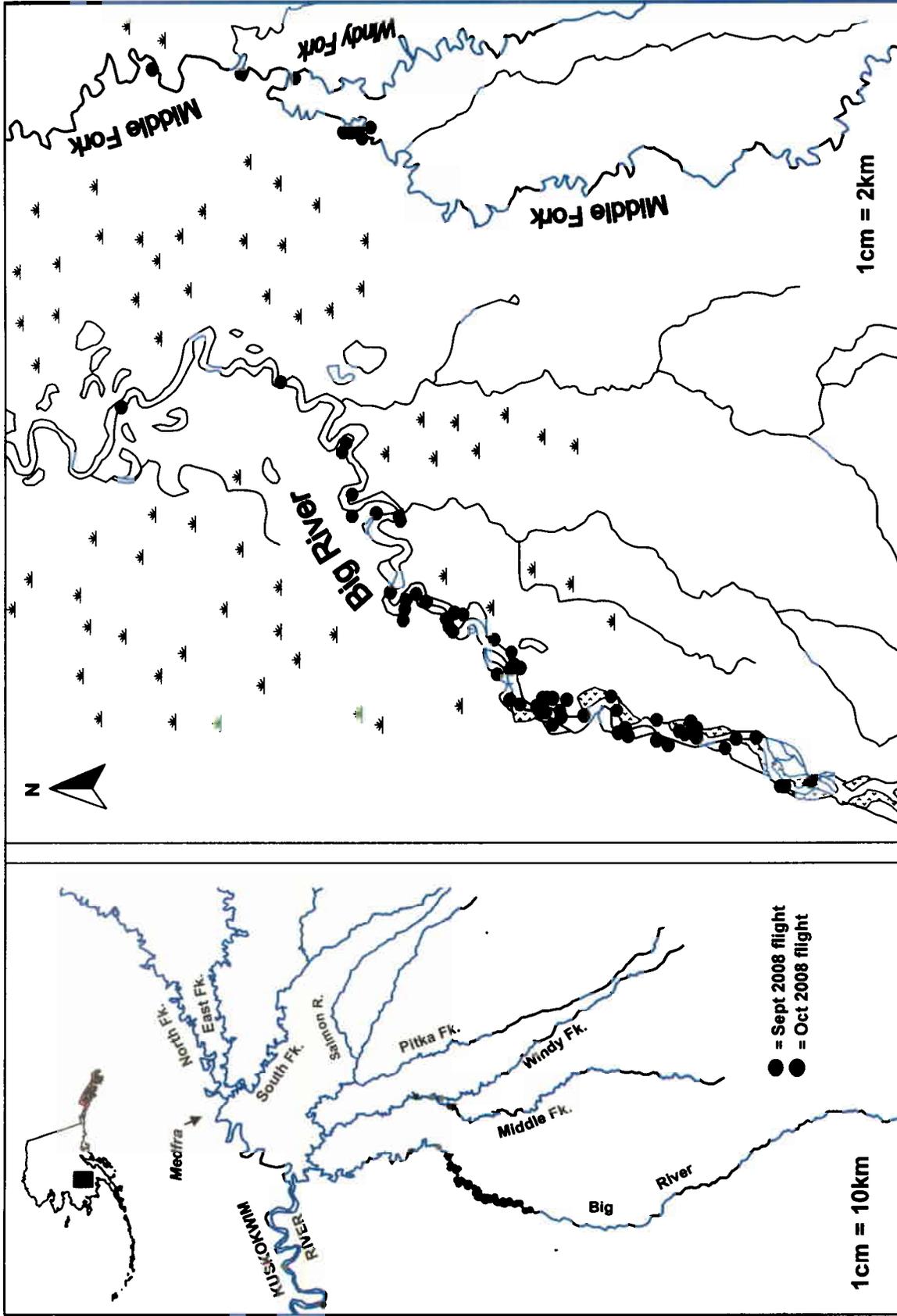
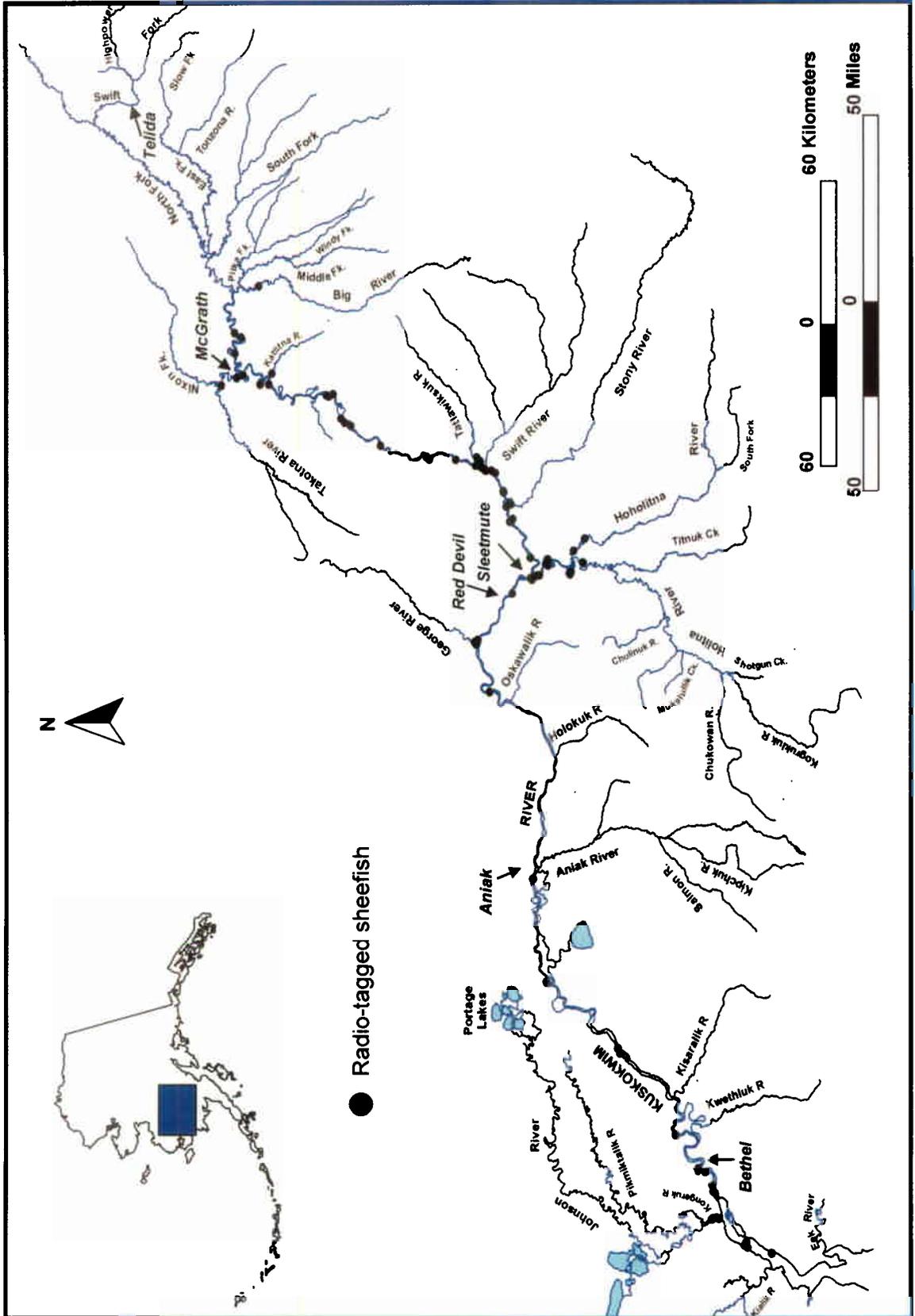
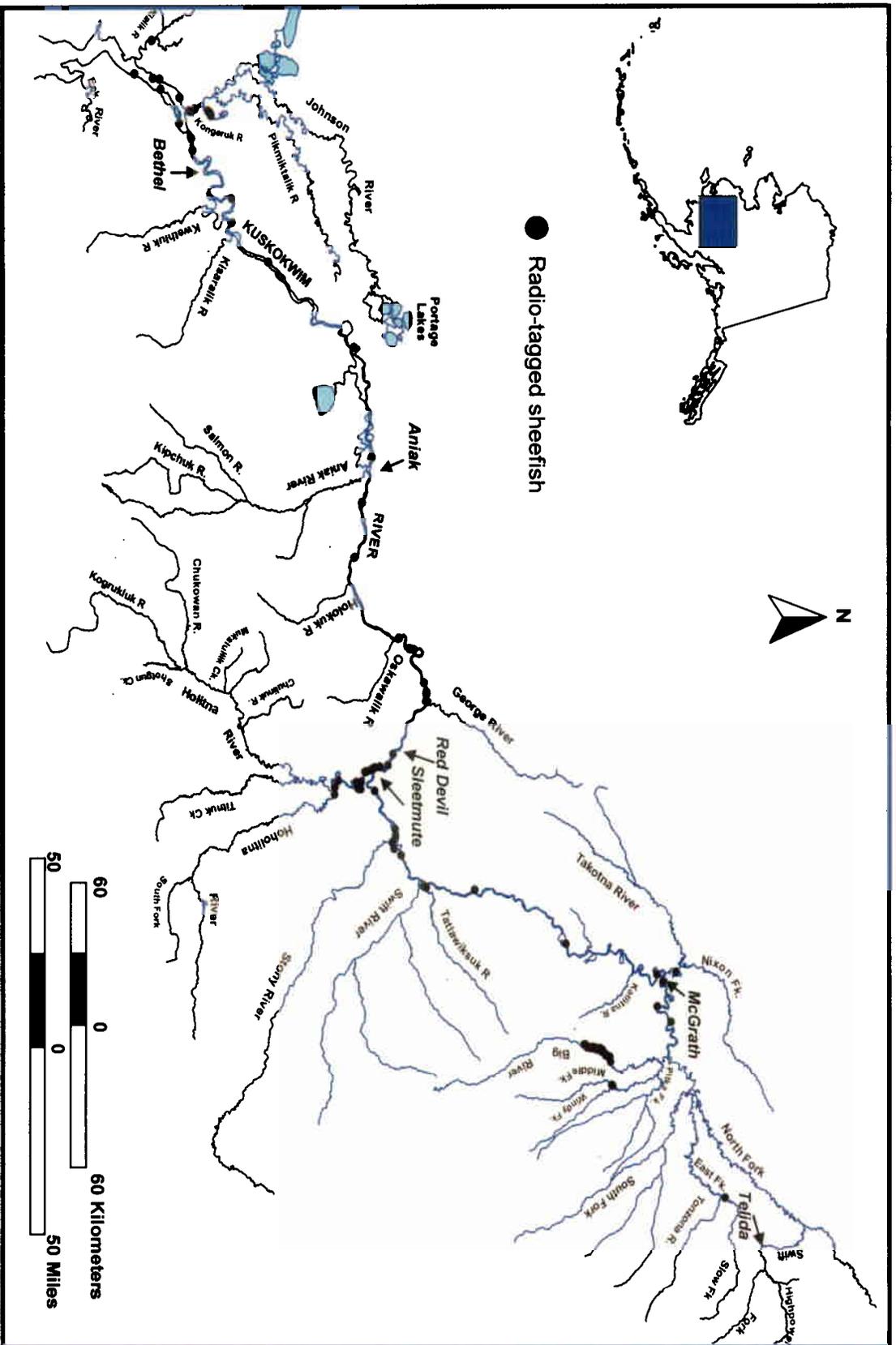


Figure 2.—Purported spawning areas on the Big River and Middle Fork of the Kuskokwim River where sheefish were located during September and October aerial tracking flights. The map on the right illustrates the spawning areas in 5X more detail.



Appendix A1.—Map showing the locations of sheefish that were captured and radio-tagged in the Kuskokwim River during 2007 and 2008 and located during the July 2008 aerial survey.



Appendix A2.-Map showing the uppermost locations of sheefish that were captured and radio-tagged in the Kuskokwim River during 2007 and 2008 during the September and October 2008 aerial surveys