



State of Alaska
Department of Fish and Game
Sport Fish Division

Nomination Form
Fish Distribution Database

M 13

Region Interior USGS Quad(s) McGrath D-4, C-4, C-5
 Anadromous Waters Catalog of Waterway 335-30-16600-2300-3030
 Name of Waterway Big River USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>09-771</u>	<u>[Signature]</u> Fisheries Scientist	<u>10/30/09</u> Date
Revision Year: <u>2010</u>	<u>[Signature]</u> Habitat Operations Mgr.	<u>10/30/09</u> Date
Revision to: Atlas <input type="checkbox"/> Catalog <input type="checkbox"/> Both <input checked="" type="checkbox"/>	<u>[Signature]</u> AWC Project Biologist	<u>5/5/09</u> Date
Revision Code: <u>B-6</u>	<u>[Signature]</u> Cartographer	<u>11/19/09</u> Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Inconnu	7/20, 9/23, and 10/8/2008	37		1	<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 the 7/20, 9/23, and 10/8/2008 aerial tracking flights of inconnu that were captured and tagged with radiotransmitters at the George, Holitna, Tatlawiksuk, and Katlitna rivers, 37 travelled to an area on the Big River which Alt (1987) had noted for spawning activity. Alt visited this area during the 1970's and was able to easily express eggs and milt from captured fish. These inconnu met the spawning area criteria that we had outlined in the operational plan for this project. They were located during the time when inconnu are known to spawn and they were located in close proximity to one or more other radio-tagged inconnu. One inconnu travelled past the stationary tracking station located on the Middle Fork near the mouth of Big River on 7/18, but left 4 days later on 7/22/2008. This fish was probably feeding/visiting and did not return. The spawning inconnu arrived to this area between 8/5 and 10/19/2008 with an average arrival date of 8/27/2008. The early arrivals travelled into and out of Big River a few times. The post-spawning inconnu travelled past the stationary tracking station between 10/10 and 10/19/2008 on their way to their overwintering area in the Kuskokwim Bay. Upper and lower boundaries were: 62.8047, -154.8092 (upper); 62.6191, -155.0011 (lower). I noticed from the AWC Big River survey during 2007 that one adult inconnu was noted in August just below the area I've described, probably heading to the spawning area further upriver. Inconnu were seen in river during the aerial tracking flight as we circled the spawning areas in the airplane.

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

Date: _____
Extend presence of sheefish in
 335-30 -
 16600 2300 -
 3030

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

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Name of Observer (please print):

Lisa Stuby

Signature: _____

Lisa Stuby

Date: 14 May '09

Agency: _____

ADF&G - Fairbanks

Address: _____

1300 College Road

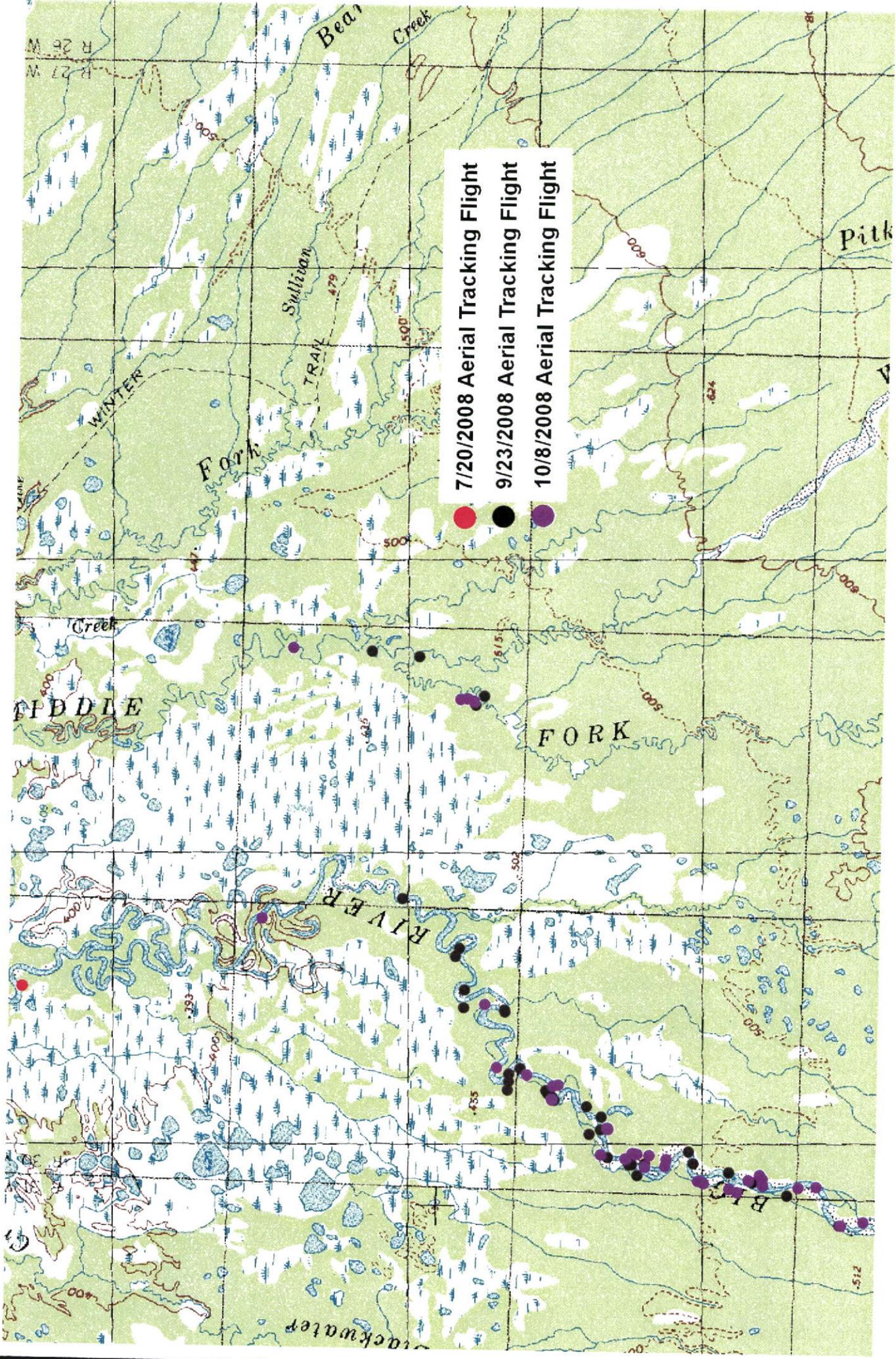
Fairbanks, AK 99701

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: _____

14 May '09



7/20/2008 Aerial Tracking Flight

9/23/2008 Aerial Tracking Flight

10/8/2008 Aerial Tracking Flight



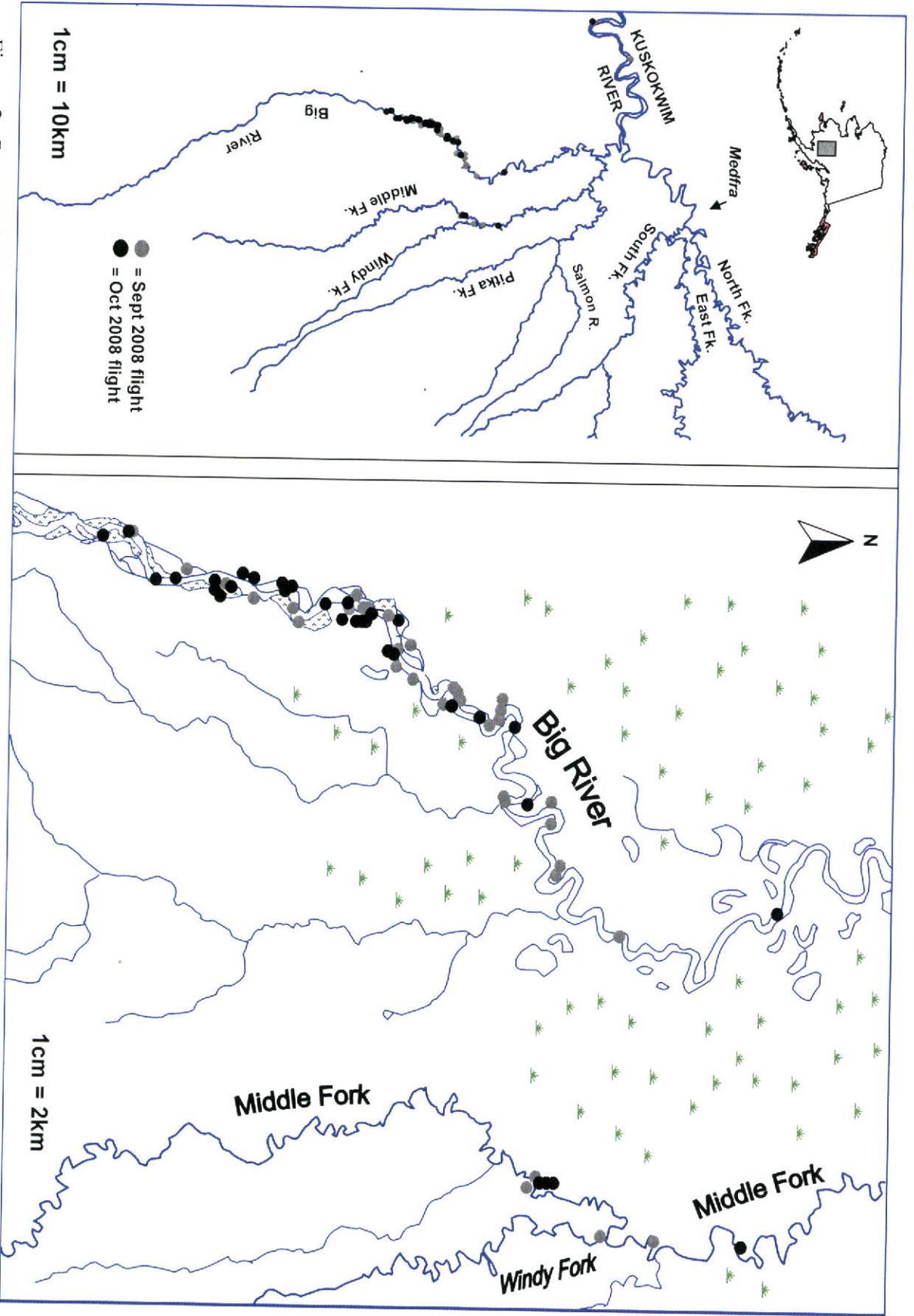
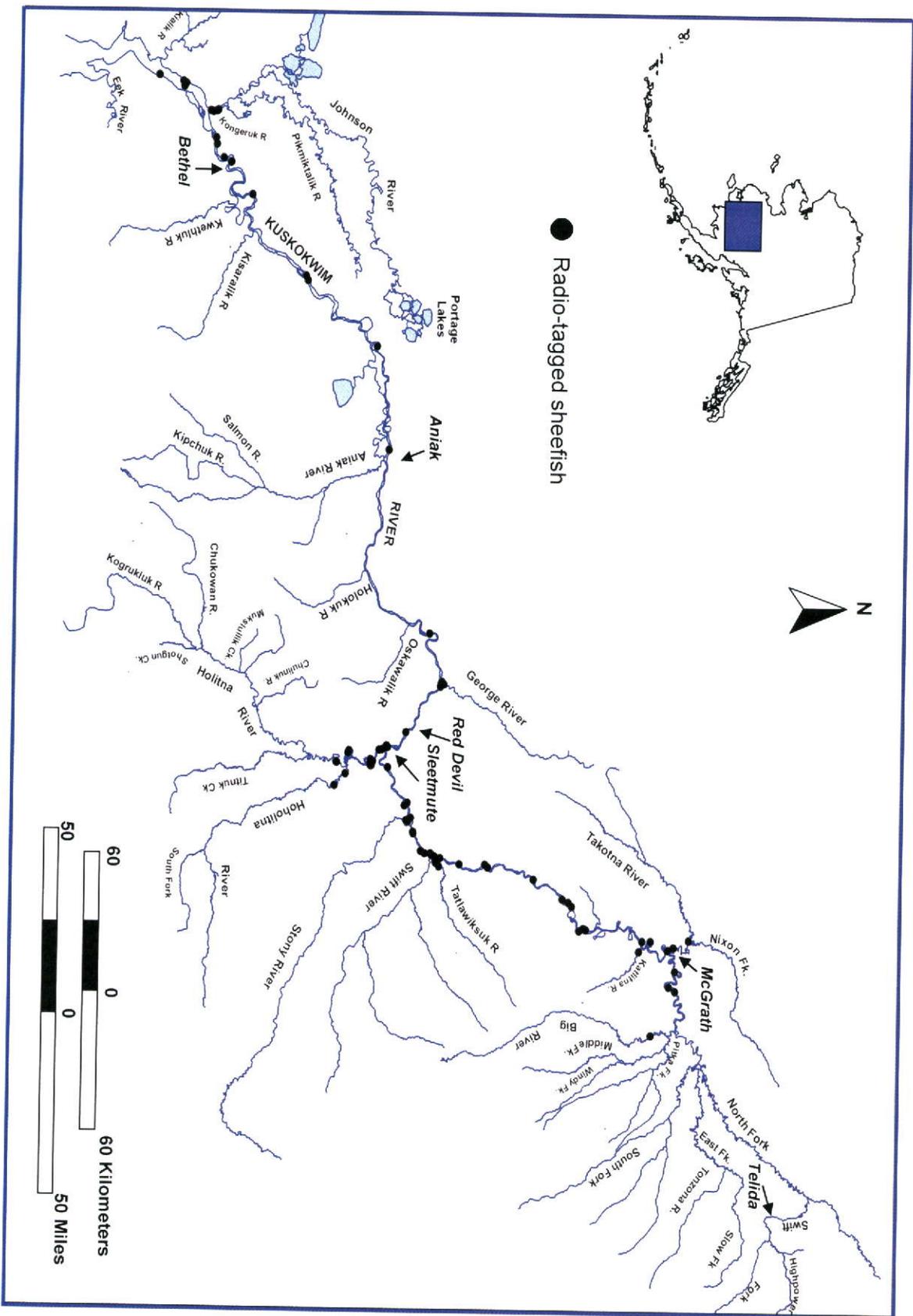
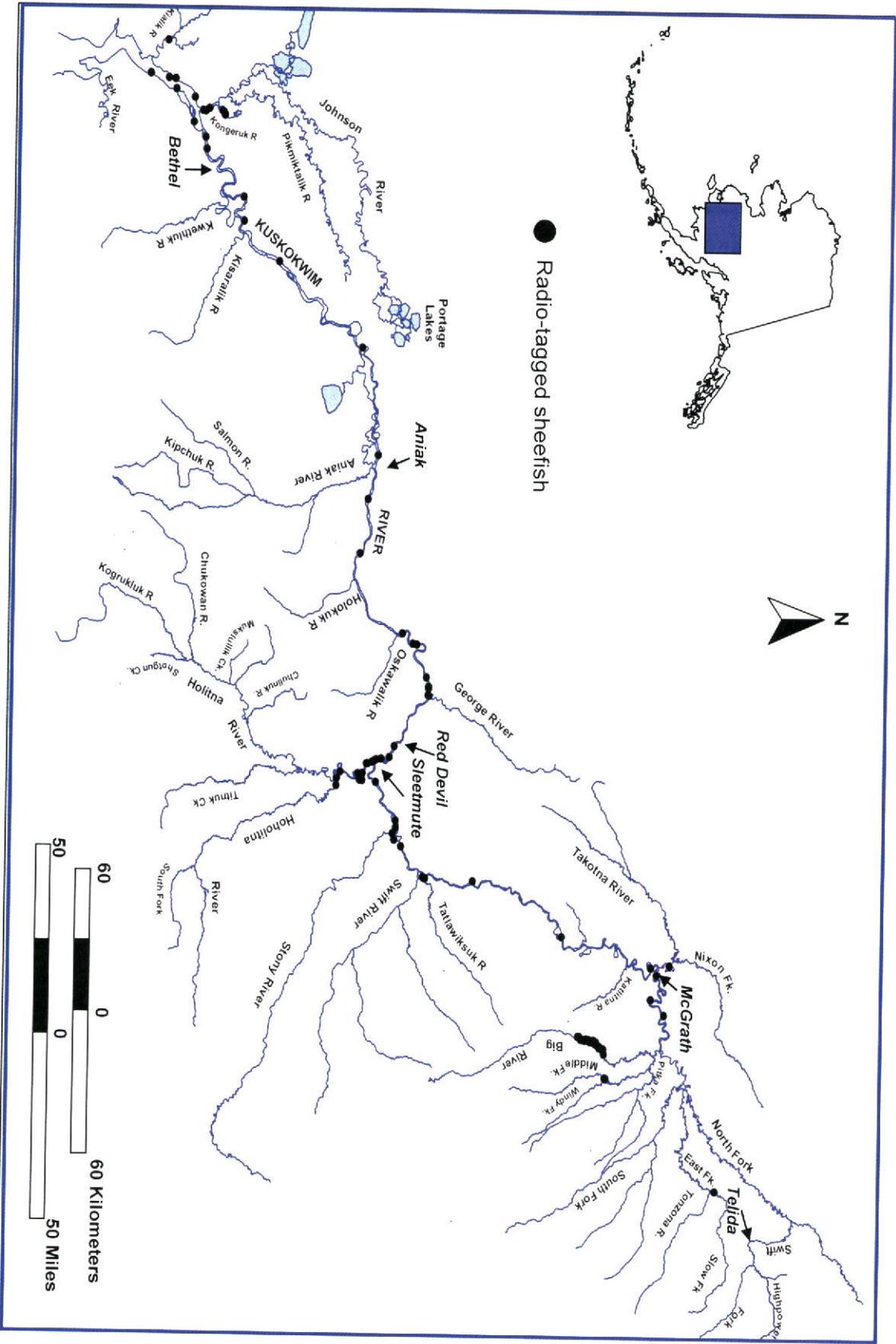


Figure 2.—Purported spawning areas on the Big River and Middle Fork of the Kuskokwim River where sheefish were located during September and October aerial tracking flights. The map on the right illustrates the spawning areas in 5X more detail.



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

