



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

**Nomination Form
Fish Distribution Database**

Region Western USGS Quad(s) Baird Inlet C-1

Anadromous Waters Catalog of Waterway 335-10-16600-2197

Name of Waterway Johnson River USGS Name Local Name
 Addition Deletion Correction Backup Information

For Office Use

Nomination # <u>09-740</u>	_____	_____
Revision Year: <u>2010</u>	Fisheries Scientist	Date
Revision to: Atlas _____ Catalog _____	Habitat Operations Mgr.	Date
Both _____	<i>[Signature]</i>	<u>18 MAR 2009</u>
Revision Code: <u>F-1</u>	AWC Project Biologist	Date
	Cartographer	Date

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Inconnu	Between 5/22/2008 and 10/09/2008			3 to 15	<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: Shoel. SN previously documented in stream
 Fifteen inconnu were captured and tagged with radio transmitters just upriver from the mouth of the Johnson River. During the 7/22/2008 aerial survey, 5 of these fish were still at the mouth and 3 during the September and October aerial surveys. Over all aerial tracking flights during 2008, inconnu were located between 60.702, -162.1232 and 60.6686, -162.1017 on the Johnson River.
NAD27
60.70124 60.66704
162.12550 162.10399

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



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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: *[Signature]* Date: 14 May '09
 Revision 02/08

Johnson, J D (DFG)

From: Stuby, Lisa A (DFG)
Sent: Tuesday, May 12, 2009 10:38 AM
To: Johnson, J D (DFG)
Cc: Buckwalter, Joseph D (DFG)
Subject: Kuskokwim River sheefish nominations for AWC
Attachments: 2008 Kialik sheefish.jpg; 2008 Kialik sheefish.xls; 2008 Johnson&Kongeruk sheefish.jpg; 2008 Johnson River sheefish.xls; 2008 Kongeruk River sheefish.xls

Hi J,

I'm finally getting around to nominating sheefish from the Kuskokwim River for the Anadromous Waters Catalog from my radiotelemetry project. Per conversations with you and Joe, I was told if in doubt whether or not there is need to nominate, to go ahead and do so anyway. First, I went through the AWC website and looked to see if sheefish had been nominated within a particular drainage where I had noticed congregating sheefish. For many drainages no, for some like the mouth of the George River a brief mention was made, and for others sheefish were nominated many years ago. I've attached nominations for three drainages downriver of Bethel. Please look through and let me know if they look okay or if I need to do something different, etc. In the meantime, I'll be working on drainages from the George River mouth up to Slow Fork of the Kuskokwim River. Once I get all of the nomination forms and maps finished and all looks well, I'll then sign the hard copies and also get John Chythlook our Area Management Biologist to sign at the bottom of the nomination forms. I have a few questions.

1. The attached maps are off of ArcMap 9.3 and are NAD27, which is still all ArcGIS users have to work with. I noticed from your website that you have been converting all of your maps to NAD83 (which would be nice if ArcView users could do the same!!) and I've downloaded some of these USGS Quads from your website. All of my radio-tagged sheefish have been located and plotted in ArcMap, which is what I attached. If you need them to be in NAD83, I could download your USGS quads and hand place the sheefish locations.
2. For some drainages like the Kongeruk, I recorded four sheefish that were located during the late September flights (purple dots) and had moved up the drainage by the September flights (black dots). On a color screen with the legend, one can clearly see what is what. However, for a black and white printing, these will look like 8 fish. Anyway, would you prefer if I just showed one dot per fish, maybe the date where the most were congregated (sheefish travel a lot during the summer between drainage mouths to feed) and/or the uppermost extent of travel, etc. Let me know.
3. I did not check "anadromous" for each sheefish since from past studies on the Yukon and Mackenzie Rivers sheefish can be intermittent, resident, yearly anadromous, etc. Chances are quite good these fish are anadromous since during the 9 October 2008 aerial tracking flight, the tide was low and the river was high and we located some radio-tagged sheefish near the mouth of the Kuskokwim River, which we would not have been able to locate otherwise if the tide was in since we wouldn't have been able to receive the tag's transmissions through saline waters. I am glad you are planning on collecting some sheefish otoliths for Sr analysis to better verify and examine the degree of anadromy.
4. I noticed on your website that the call for nominations is September/Octoberish and if you don't wish to receive these not, I can store and send to you later. This would be too soon to incorporate this season's data.

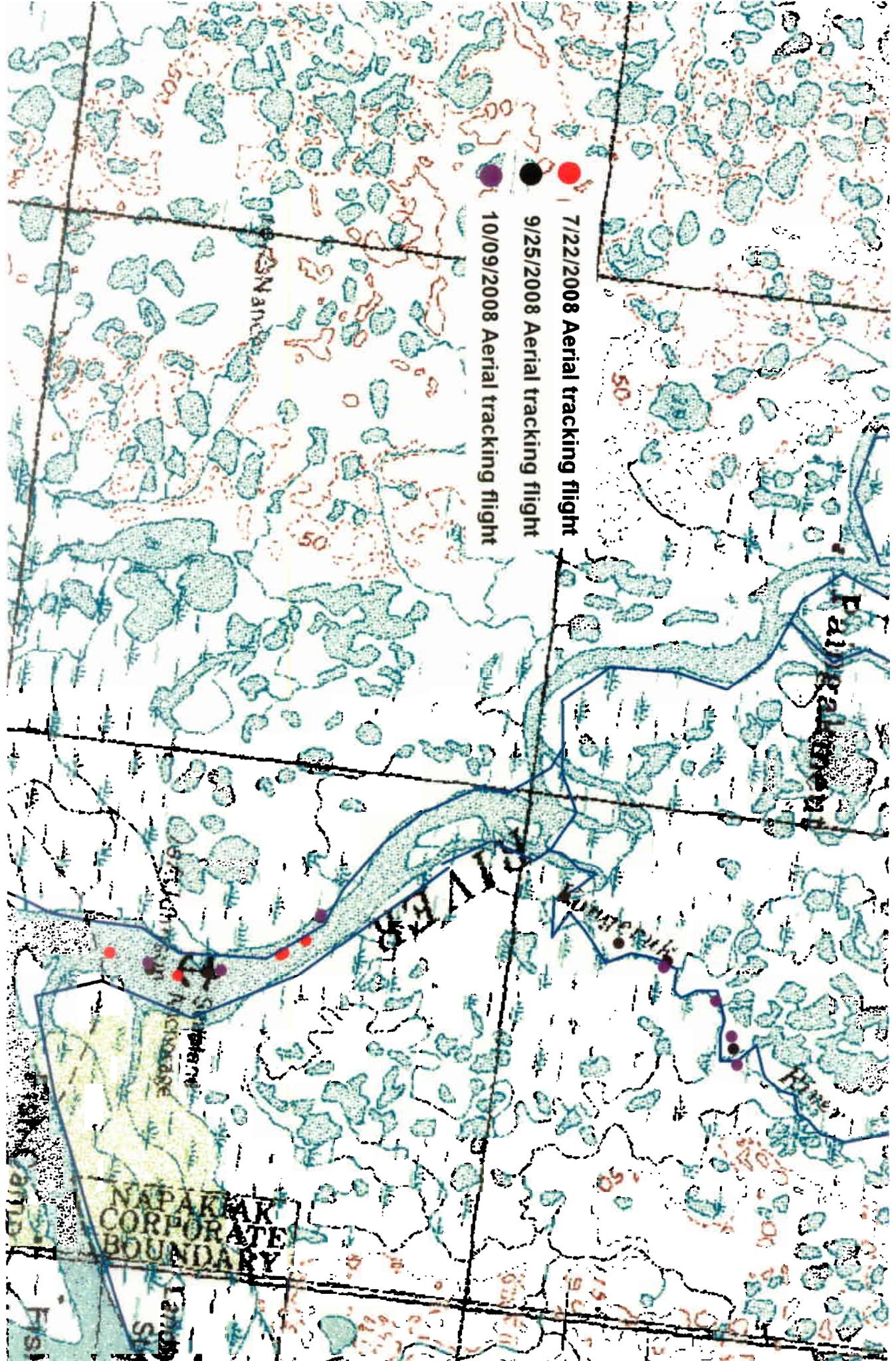
It looks as though I may receive funding from OSM to continue following the 116 sheefish until October 2011. I can update and provide more information on my nominations then and nominate any new locations.

Thanks

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

5/13/2009

- 7/22/2008 Aerial tracking flight
- 9/25/2008 Aerial tracking flight
- 10/09/2008 Aerial tracking flight



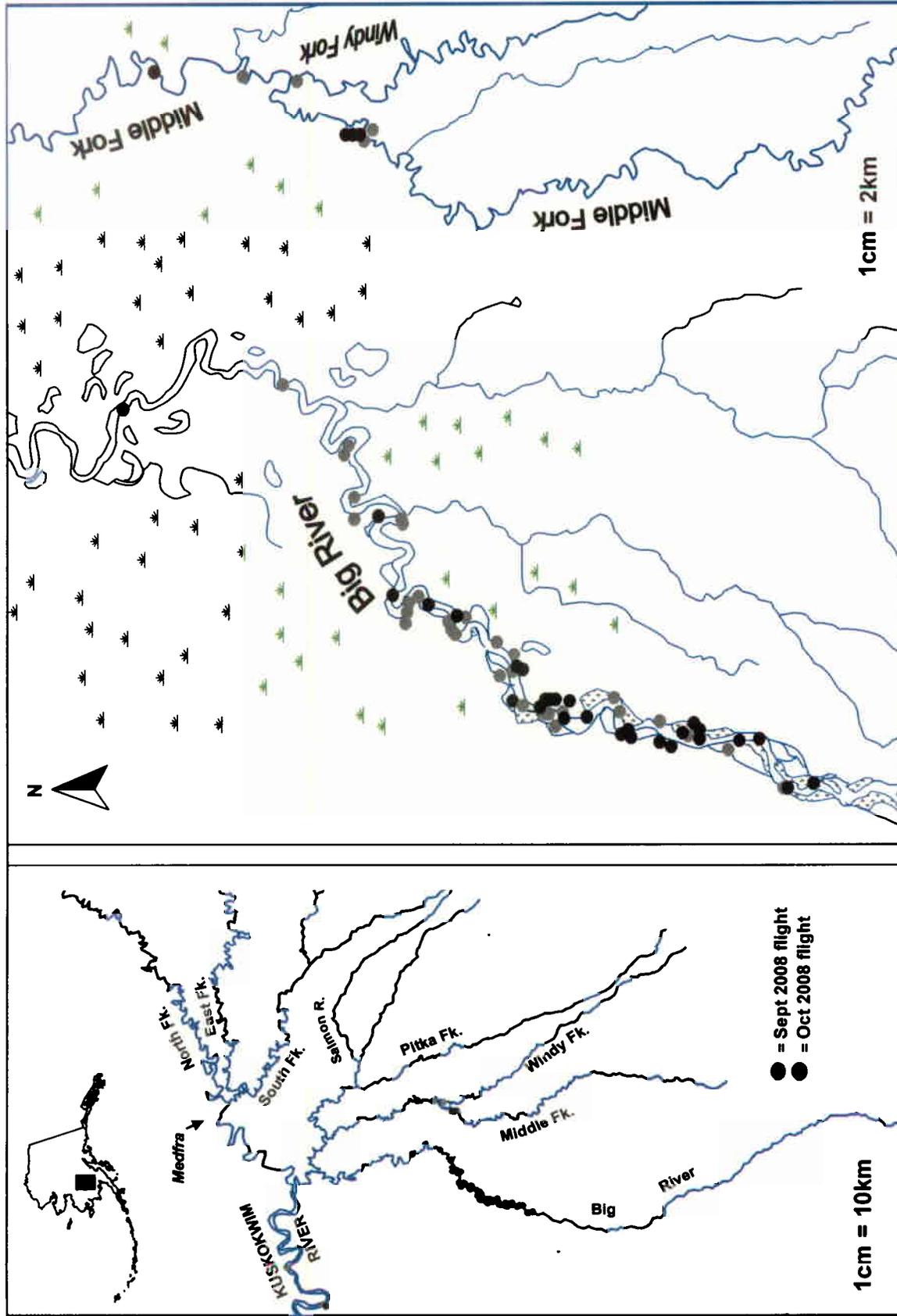


Figure 2.—Purported spawning areas on the Big River and Middle Fork of the Kuskokwim River where sheefish were located during September and October aerial tracking flights. The map on the right illustrates the spawning areas in 5X more detail.

