



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

Nomination Form
Anadromous Waters Catalog

M M M 4

Region Interior USGS Quad(s) McGrath ~~D-4~~, C-4, C-5

AWC Number of Water Body 335-30-16600-2300-3030

Name of Water body Big River USGS Name Local Name

Addition Deletion Correction Backup Information

For Office Use

Nomination #	<u>140058</u>	<u>[Signature]</u>	<u>4/25/14</u>
Revision Year:	<u>2015</u>	Fisheries Scientist	Date <u>4/25/14</u>
Revision to: Atlas	Catalog	<u>[Signature]</u>	Date
	Both <u>X</u>	Habitat Operations Manager	<u>4/22/14</u>
Revision Code:	<u>B-2</u>	<u>[Signature]</u>	Date
		AWC Project Biologist	<u>4/29/14</u>
		<u>[Signature]</u>	Date
		GIS Analyst	

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Sheefish (Inconnu)	Radiotelemetry Sept/Oct 2008-2013	50			<input type="checkbox"/>
Sheefish (Inconnu)	Examined 24-26 Sept. 2011	52			<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: A drainage-wide radiotelemetry study has been conducted on sheefish in the Kuskokwim River from 2007 to 2013. A total of 154 radio-tagged sheefish have been tracked during the summers and autumns of these years. The primary objective of this project has been to document spawning stocks and spawning locations of sheefish in the Kuskokwim River drainage. Radio-tagged sheefish (inconnu) were tracked with small aircraft during the time of spawning to the Big River during late September and early October 2008-2013. Radio-tagged sheefish were located here each year, many having spawned during subsequent years. Of the 119 radiotransmitters initially deployed during 2007 and 2008, approximately 80% of fish noted to travel to a spawning area, travelled to this approximately 20 km section of the Big River. A site visit was made during 24-26 September 2011 and 52 sheefish were captured and examined and all were in spawning condition. Eggs and milt could be expressed with little pressure. Eggs were approximately 2.5 mm in diameter and gonadosomatic indices of sacrificed females averaged 23%. This area had previously been documented as a spawning area by Ken Alt during the early 1980's. A map showing location of radio-tagged sheefish is attached to this document.

Replace Sheefish present at Sheefish spawning in portion of River

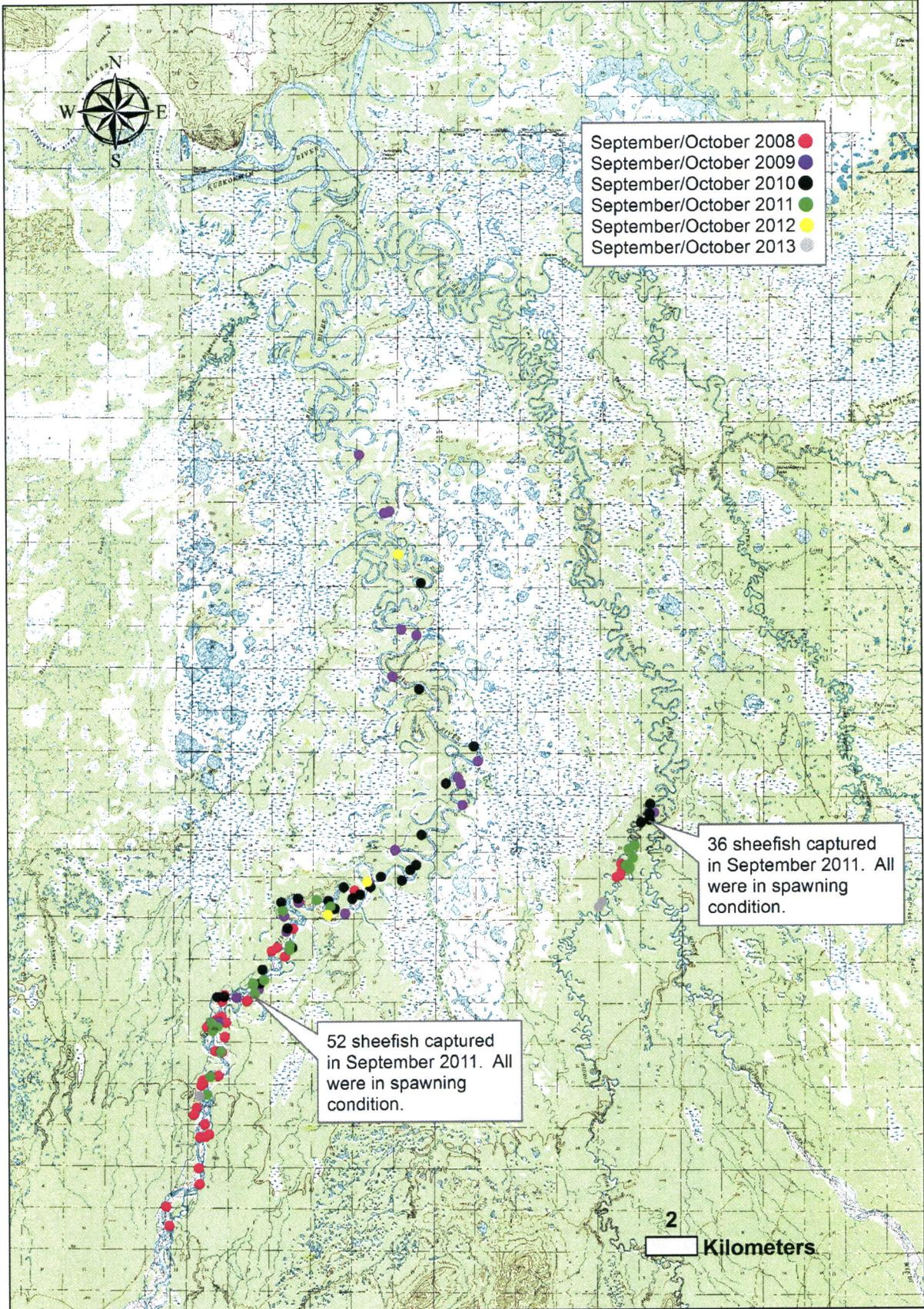
Name of Observer (please print): Lisa Study
 Signature: [Signature]
 Agency: AK Dept. Fish & Game
 Address: 1300 College Rd. Fairbanks, AK 99701

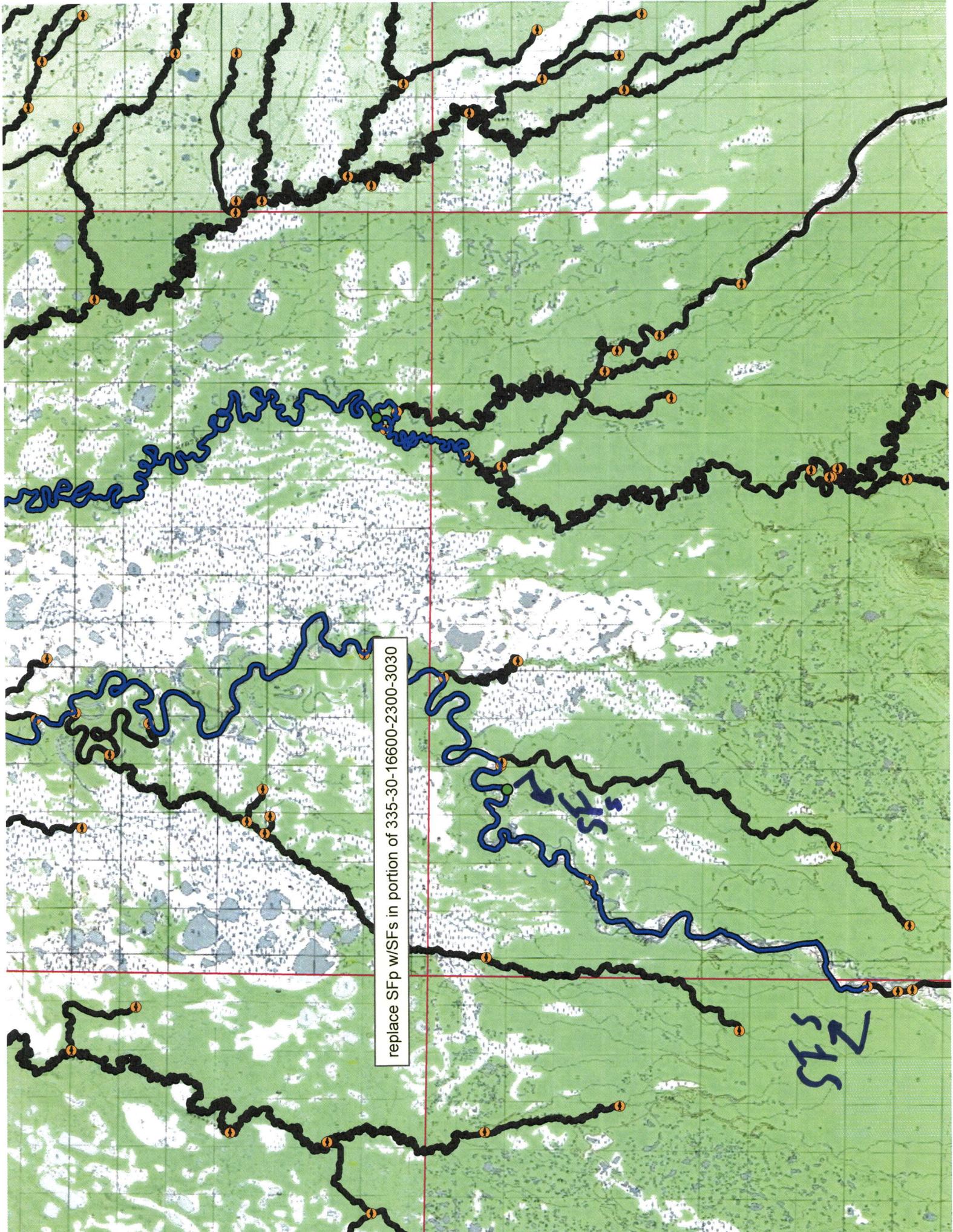
Date: 15 April 2014

ALASKA DEPT. OF FISH & GAME
APR 21 2014

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: 4/15/14 Revision 11/13
 Name of Area Biologist (please print): JOHN CHYMECH





replace SFp w/SFs in portion of 335-30-16600-2300-3030

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