



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

**Nomination Form  
Anadromous Waters Catalog**

BETHEL D-6, D-7  
RUSSIAN MISSION A-5, A-6, B-4, B-5, C-4

Region Western


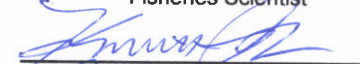


USGS Quad(s) \_\_\_\_\_

Anadromous Waters Catalog Number of Water Body 335-10-16600 / 335-20-16600

Name of Water Body Kuskokwim River  USGS Name  Local Name

Addition  Deletion  Correction  Backup Information

**For Office Use**

Nomination # <u>25-786</u>		<u>1/20/2026</u>
Revision Year: <u>2026</u>	Fisheries Scientist	Date
Revision to: <input checked="" type="checkbox"/> Atlas		<u>1/12/25</u>
<input checked="" type="checkbox"/> Catalog	Habitat Operations Manager	Date
Revision Code: <u>B-6</u>		<u>22 Dec 2025</u>
	AWC Project Biologist	Date
		<u>1/22/2026</u>
	GIS Analyst	Date

**OBSERVATION INFORMATION**

Species	Date(s) Observed	Spawning	Rearing	Present	Anadromous
Pacific lamprey	08/12/2005			✓	✓
Arctic lamprey	08/12/2005			✓	✓

**~EXTEND upper reach of ARCTIC and PACIFIC lamprey in existing AWC Stream #335-10-16600 & #335-20-16600 "Kuskokwim River".**

**Comments:**  
Please see enclosed correspondence. Two ADF&G biologists (Chad Bear and Jay Baumer) and their photos with identifiable features (three supraoral teeth) corroborate observations of adult Pacific Lamprey being caught in fish wheels on the Kuskokwim River. Several adults were captured in 2005, large lampreys had been caught in other years. Also add Arctic Lamprey. Their observations of smaller Arctic Lamprey in the Kuskokwim fish wheel is further supported by well known local commercial/subsistence fisheries for Arctic Lamprey harvested by communities including Tuluksak. See this for example: <https://www.kyuk.org/science-and-environment/2022-11-30/arctic-lamprey-in-kuskokwim-river>  
Coordinates (Lat,Long): (61.5422,-160.1807)

Name of Observer (please print): Charles Cathcart  
Signature: 10.231.39.10 (Web Nomination) Date: 10/07/2025  
Agency: ADFG  
Address: 333 Raspberry Road  
Anchorage, AK 99518

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 3/16  
Name of Area Biologist (please print): \_\_\_\_\_

**From:** Cathcart, Charles N (DFG) <[nate.cathcart@alaska.gov](mailto:nate.cathcart@alaska.gov)>  
**Sent:** Monday, October 6, 2025 4:06 PM  
**To:** Bear, Chad E (DFG) <[chad.bear@alaska.gov](mailto:chad.bear@alaska.gov)>; Baumer, Jay A (DFG) <[jay.baumer@alaska.gov](mailto:jay.baumer@alaska.gov)>  
**Subject:** Kuskokwim lampreys

Hi Chad and Jay,

Talking with Chad at the lamprey workshop in August made me take a note that I should reach out and see what and how much information there is for Pacific Lamprey captures on the Kuskokwim.

Do you have any more info and even pictures of lampreys caught in the fish wheels on the Kuskokwim? I got one batch of photos from Jay regarding a lamprey caught back in 2013 if I believe, but the talk with Chad makes it seem like we could easily submit a nomination for Pacific Lamprey to the AWC since there was more than one. And I can easily handle all that paperwork but will put you all down as observers.

And then other questions....Is there any old report with fish wheel info on bycatch? And any info on where wheels are operating in the Yukon-Kuskokwim area currently? Maybe there's other people to talk with about what happens and gets caught out there?

Thanks for the help, hope October is going well so far.

Nate

**Nate Cathcart**

Habitat Biologist II

Alaska Freshwater Fish Inventory

Alaska Department of Fish & Game

Division of Sport Fish – Research & Technical Services

Cell: 612-616-4663

Office: 907-267-2238

Hi Nate,

These are the Pacific Lamprey that were caught in the Kuskokwim Fishwheels on August 12, 2005. At the time, the fishwheel was located just upriver of Kalskag at coordinates **61.5422, -160.1807.**

As Jay mentioned, we're not sure who took the photos that day. I had a laptop in camp that summer, and we were compiling pictures to share. I've looked through my 2004 and 2006 files but haven't found any additional lamprey photos yet. Unfortunately, all my images from 2001–2003 were lost, though I'll try to track them down again. There may also be some non-digital photos from those years floating around.

I remember catching lamprey most summers, The smaller Arctic lamprey would sometimes get their heads stuck in the fishwheel mesh and die—we'd pick them out and toss them. I recall seeing Pacific Lamprey during the first few weeks of running the wheels in spring, typically in late May or early June, even though these particular photos were taken in mid-August. They were less common, which is probably why we made a point to photograph them that day. But we did encounter them several times and should have some more pictures.

I'll keep digging through my old computer files and let you know if I come across any more pictures later this winter.

Best,

Chad

Chad Bear

Habitat Biologist

Alaska Department of Fish and Game

907.459.7373

Hi Nate,

That was a while ago. I am not sure who took these pictures but here is a couple of pictures from around 2005.

I did a quick look through reports but found no mention of capture of other species.

[https://www.researchgate.net/profile/Toshihide-Hamazaki/publication/267953636\\_A\\_MARK-RECAPTURE\\_EXPERIMENT\\_TO\\_ESTIMATE\\_THE\\_ABUNDANCE\\_OF\\_KUSKOKWIM\\_RIVER\\_COHO\\_SALMON\\_2001\\_By/links/55c9329a08aebc967df90db6/A-MARK-RECAPTURE-EXPERIMENT-TO-ESTIMATE-THE-ABUNDANCE-OF-KUSKOKWIM-RIVER-COHO-SALMON-2001-By.pdf](https://www.researchgate.net/profile/Toshihide-Hamazaki/publication/267953636_A_MARK-RECAPTURE_EXPERIMENT_TO_ESTIMATE_THE_ABUNDANCE_OF_KUSKOKWIM_RIVER_COHO_SALMON_2001_By/links/55c9329a08aebc967df90db6/A-MARK-RECAPTURE-EXPERIMENT-TO-ESTIMATE-THE-ABUNDANCE-OF-KUSKOKWIM-RIVER-COHO-SALMON-2001-By.pdf)

[https://akssfapm.s3.amazonaws.com/APM\\_Uploads/2003/45349\(400\)/.pdf/fds1442.pdf](https://akssfapm.s3.amazonaws.com/APM_Uploads/2003/45349(400)/.pdf/fds1442.pdf)

If I remember correctly, we saw two different specimens of lampreys. One was larger like in the picture and the other was much smaller. I am not sure if they were different species or not. I remember us keying them out in the field. I will see if I can find anymore pictures.

Maybe Chad remembers more. Nate, good luck.

-Jay





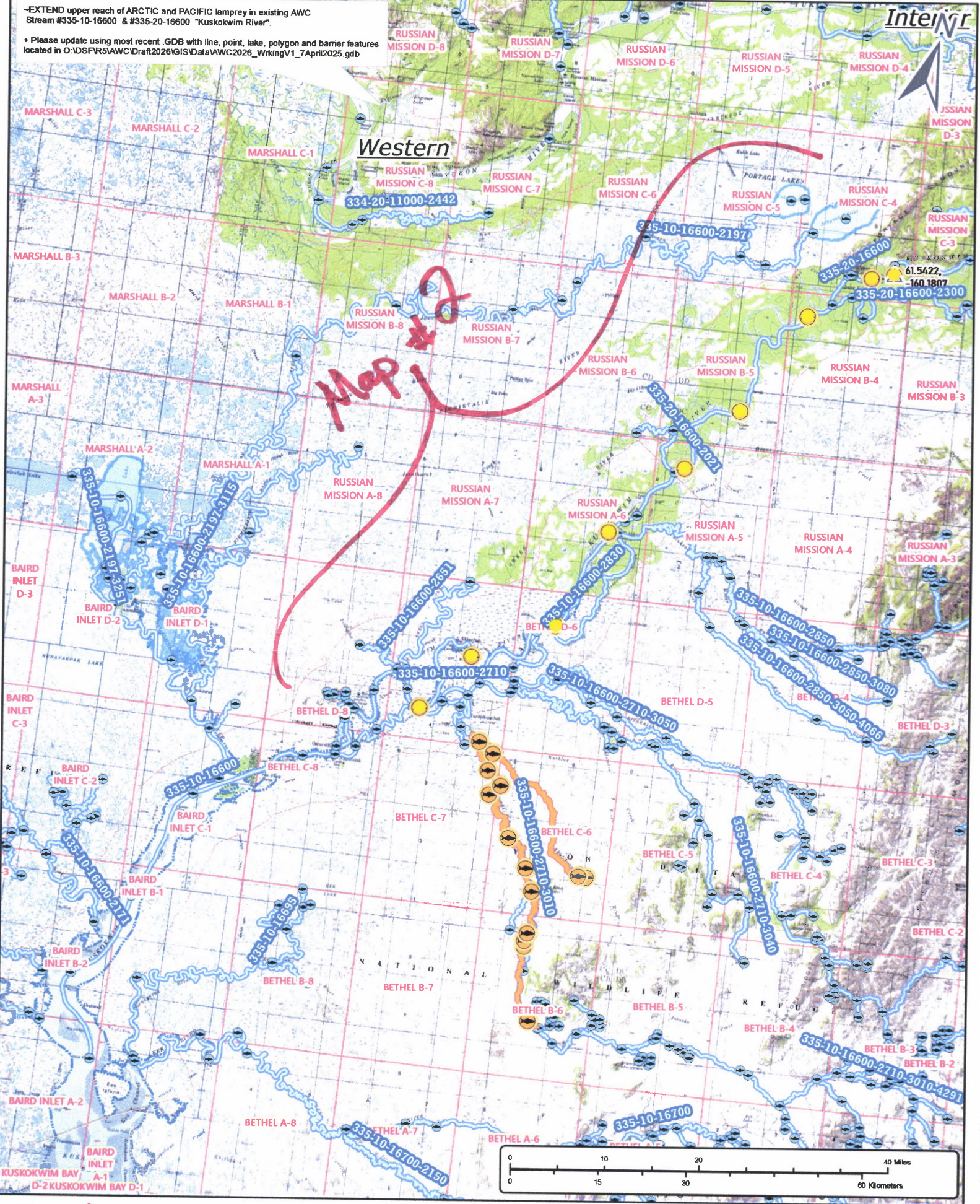




-EXTEND upper reach of ARCTIC and PACIFIC lamprey in existing AWC Stream #335-10-16600 & #335-20-16600 "Kuskokwim River".

+ Please update using most recent .GDB with line, point, lake, polygon and barrier features located in O:\DSFR5\AWC\Draft2026\GISData\AWC2026\_WrkingV1\_7April2025.gdb

InterN



Num #25-786

Map #1

-EXTEND upper reach of ARCTIC and PACIFIC lamprey in existing AWC Stream #335-10-16600 & #335-20-16600 "Kuskokwim River".

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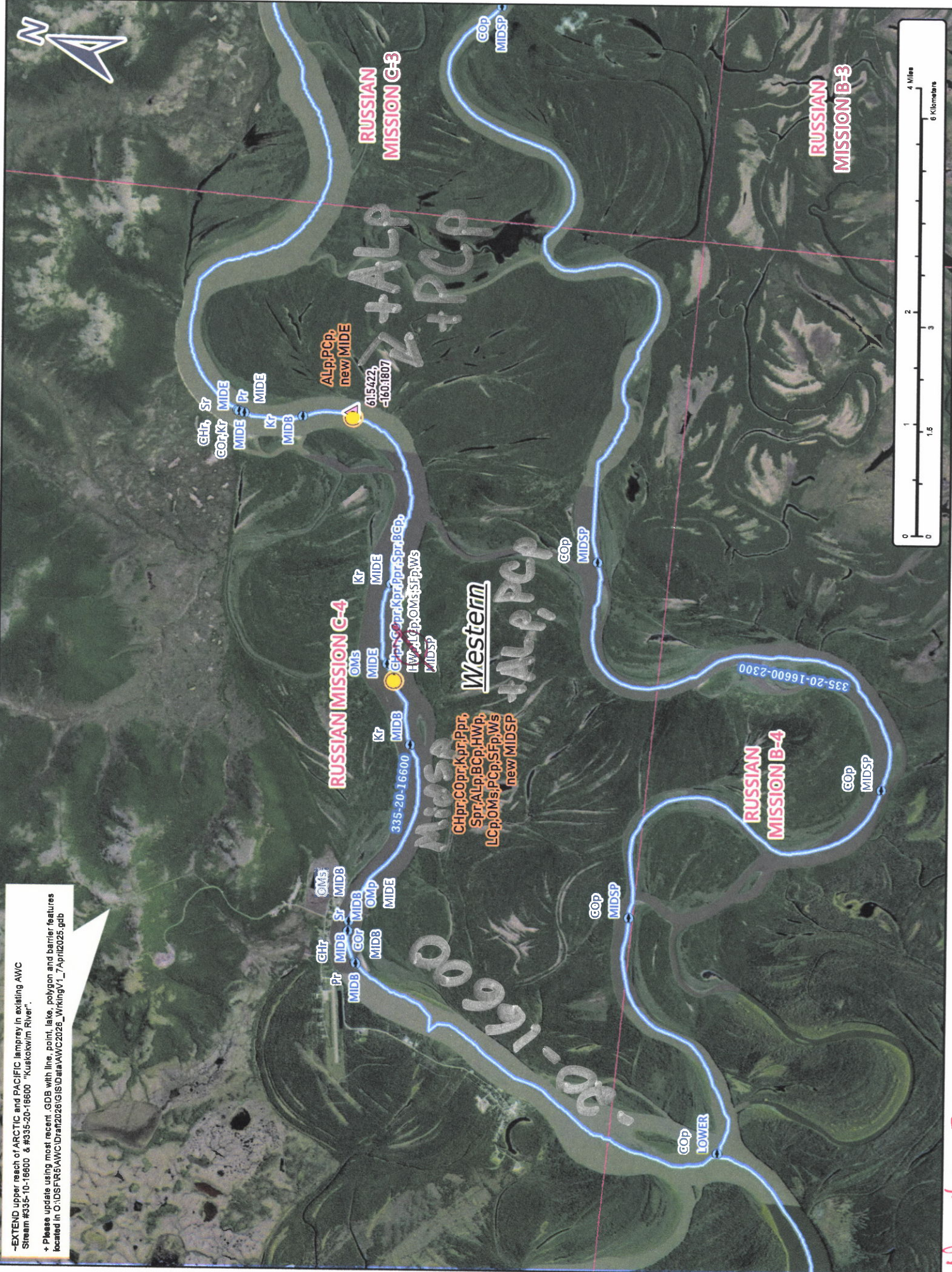


Now #25-786

Map #2

-EXTEND upper reach of ARCTIC and PACIFIC lamprey in existing AWC Stream #335-10-16800 & #335-20-16600 "Kuskokwim River".

+ Please update using most recent .GDB with line, point, lake, polygon and barrier features located in O:\DSFR\5\AWC\Draft\2026\GISData\AWC2026\_WikingsV1\_7\April2025.gdb



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Map # 3