



HAFRANNSÓKNASTOFNUN

Rannsókna- og ráðgjafarstofnun hafs og vatna

Búðarháls Hydro project

And its impact on Arctic char population

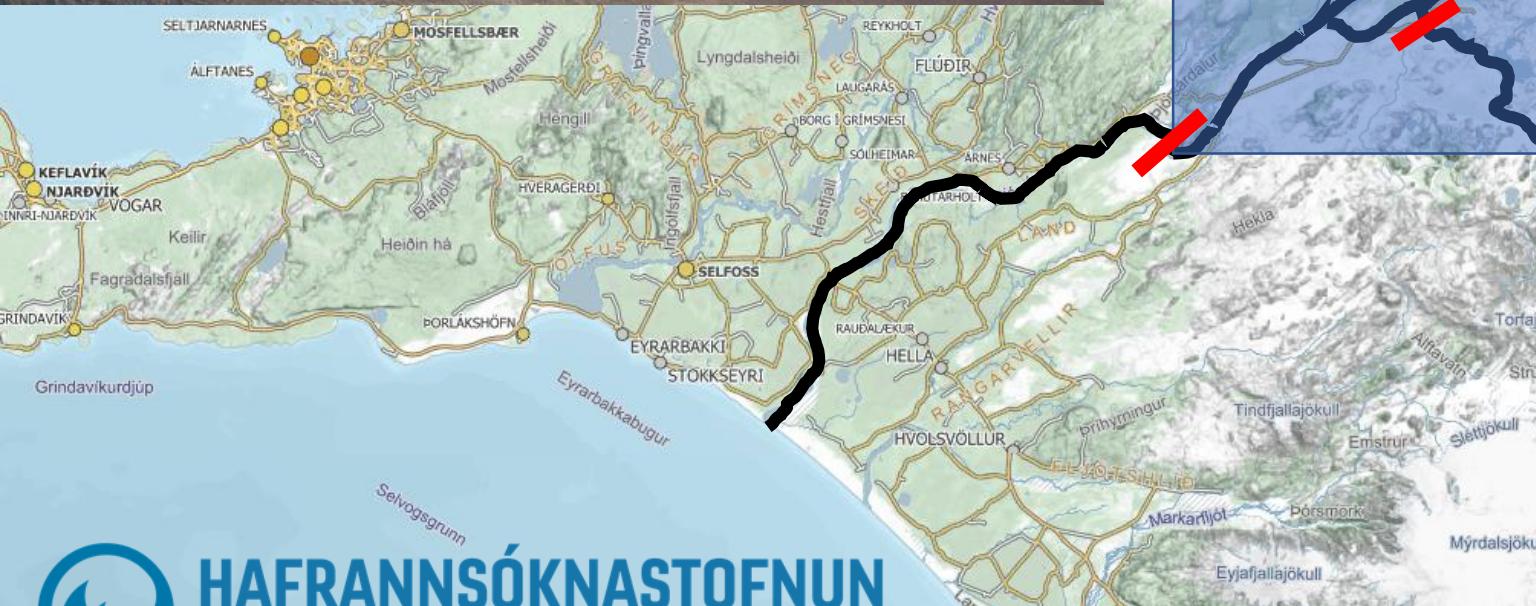
Benóný Jónsson

9th Nordic Water Framework Conference in Vaasa
May 2019

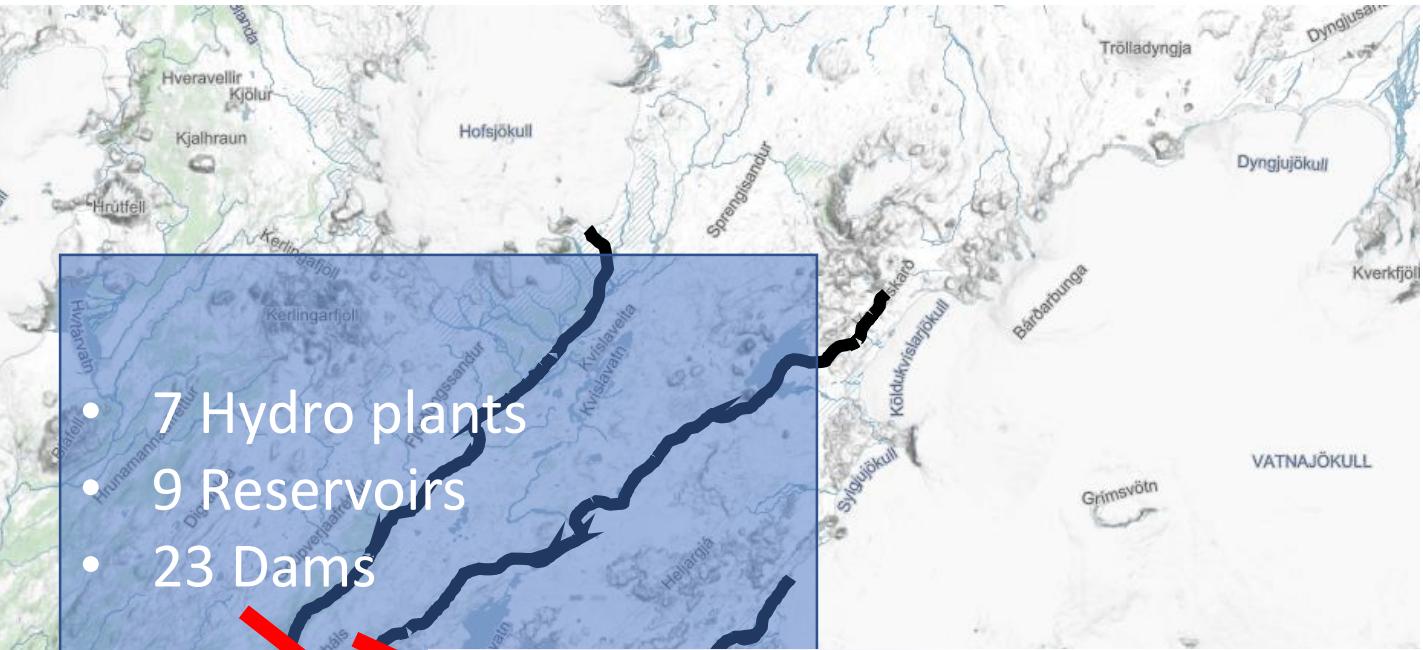
My talk:

- Þjórsá – watershed and its fish stocks
- Telemetry studies before construction of Sporðöldulón reservoir
- Mitigation related to Búðarháls Hydro project
- Arctic char migration after construction – second telemetry study



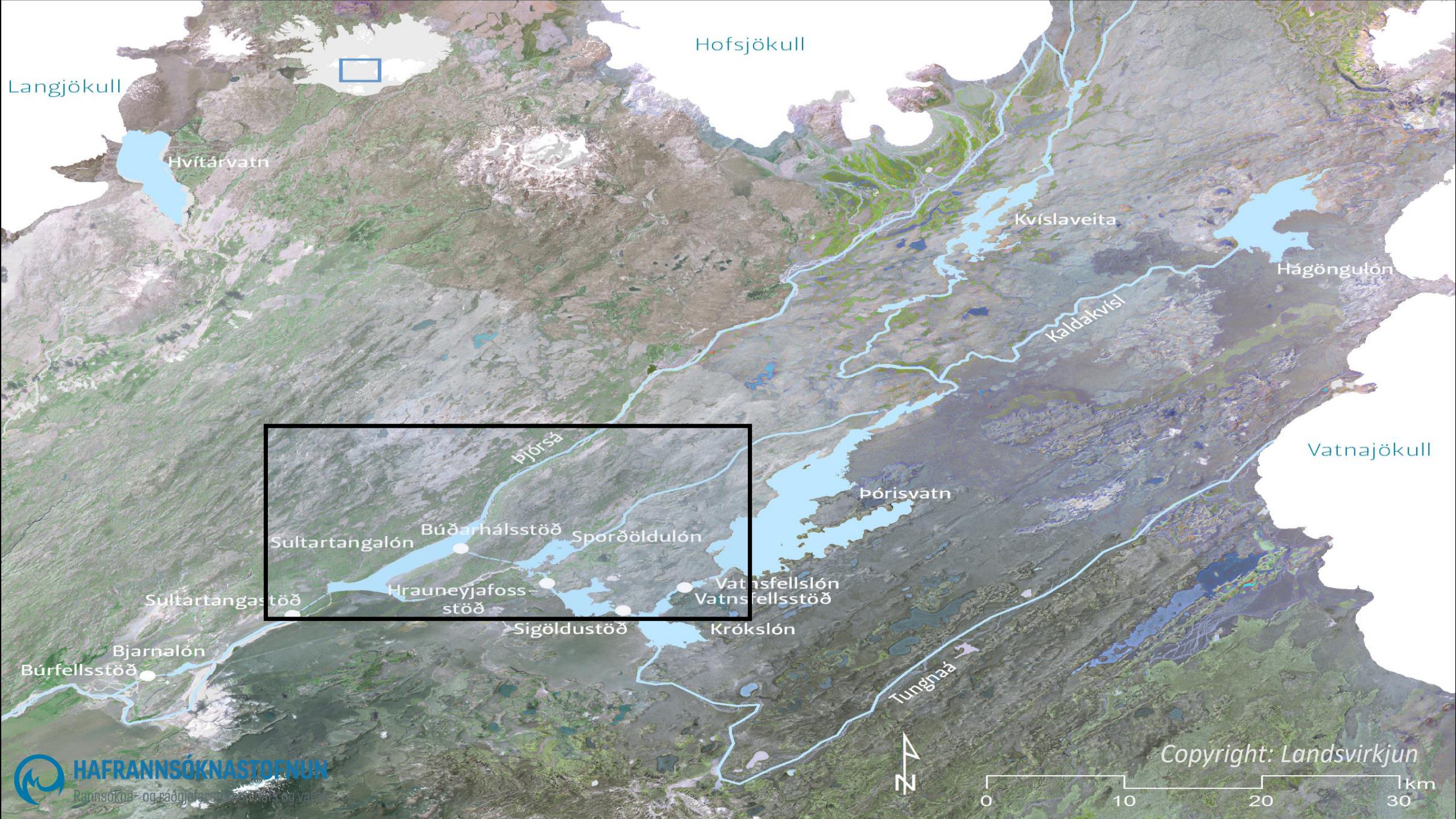


- 7 Hydro plants
 - 9 Reservoirs
 - 23 Dams



HAFRANNSÓKNASTOFNUN

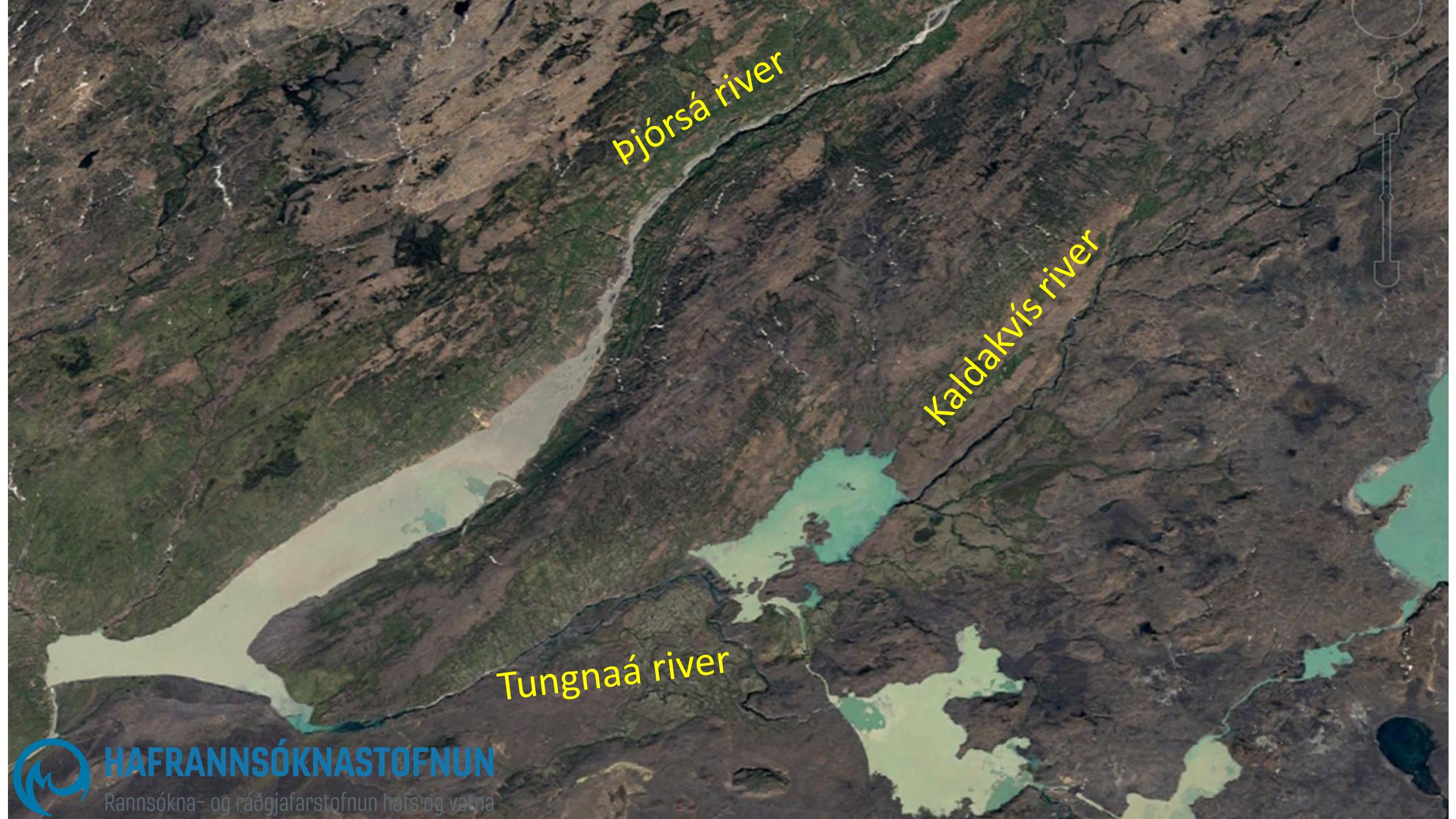
Rannsókna- og ráðgjafarstofnun hafs og vatna



HAFRANNSÓKNASTOFNUN
Rannsóknar- og ráðgjefarstofnunars òg vatnss.



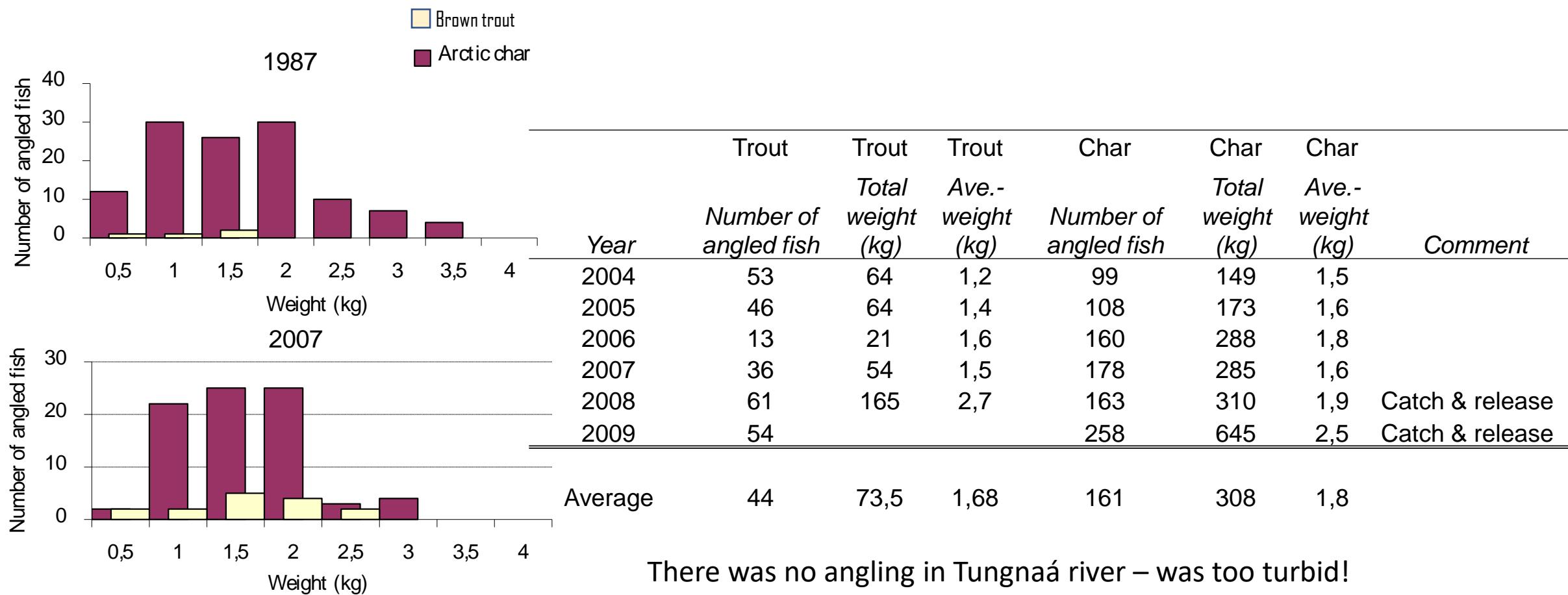
0 10 20 30
1km



HAFRANNSÓKNASTOFNUN

Rannsókna- og ráðgjafarstofnun hafs og vatna

Arctic char in Kaldakvísl







Telemetry results:

Positioning of tagged Arctic char from Kaldakvísl river in Aerial search during the study

Angling sites

SPAWNING SITES



HAFRANNSÓKNASTOFNUN

Rannsókna- og ráðgjafarstofnun hafs og vatna





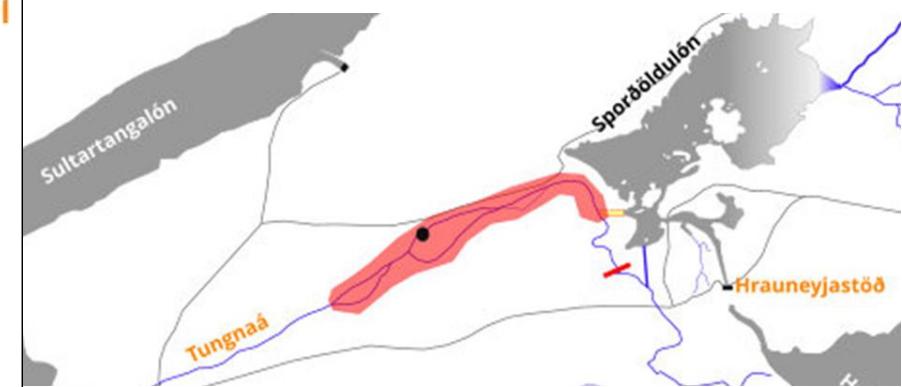
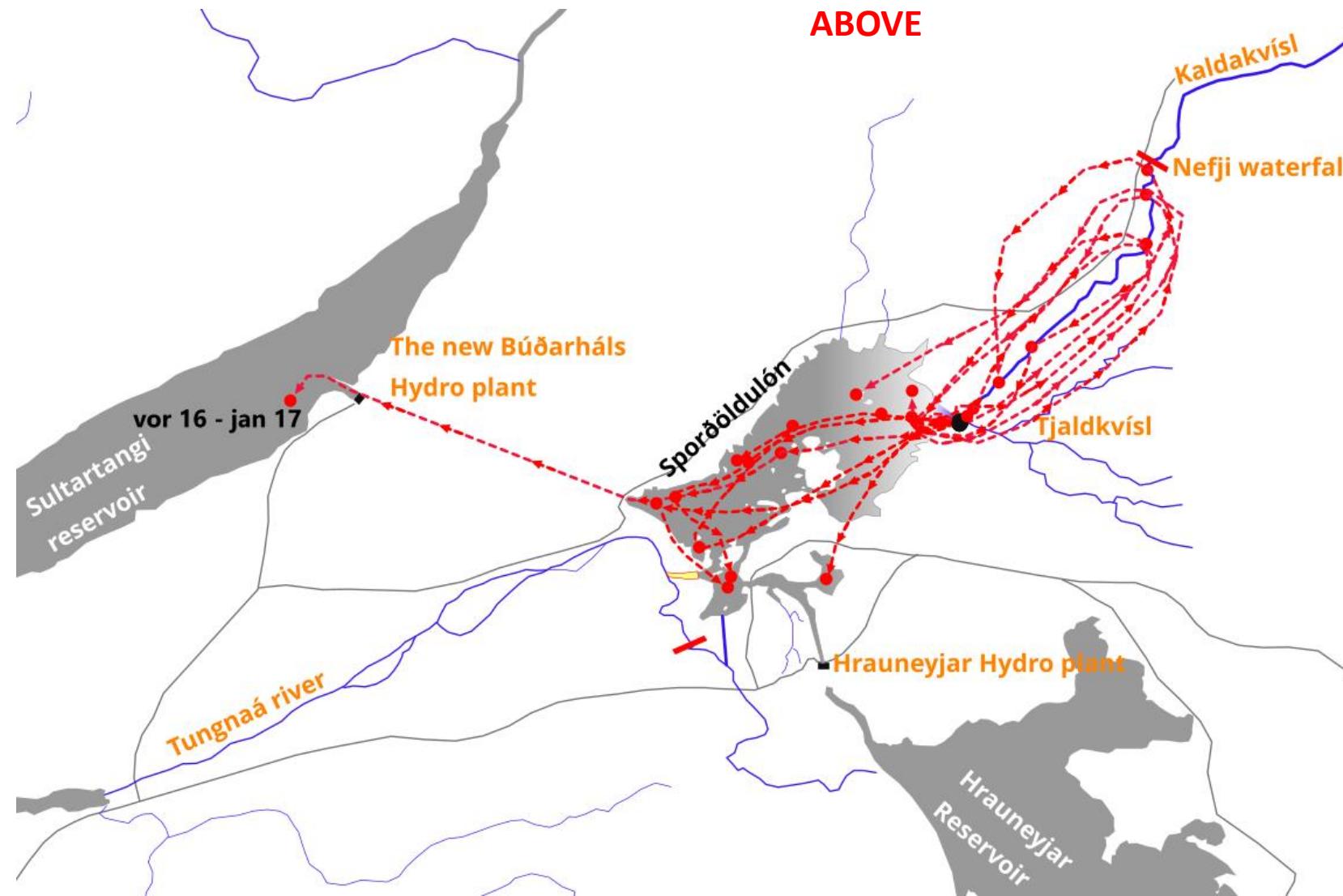
Highly modified
water body!



Older riverbank of the glacial Tungnaá river

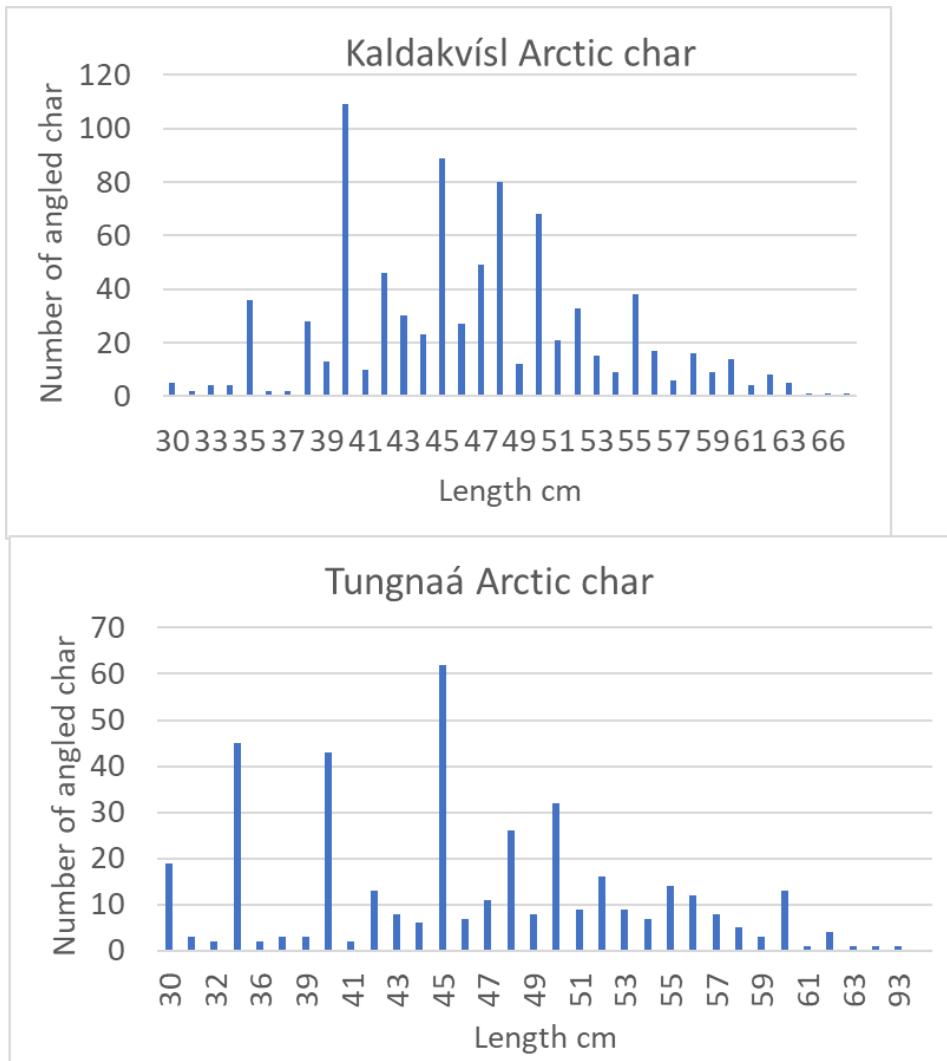
Telemetry – After constructions:

BELOW



HAFRANNSÓKNASTOFNUN
Rannsókna- og ráðgjafarstofnun hafs og vatna

Angling reports after construction



Angling reports: Number of angled char and brown trout in 2016 and 2017

Year	Char	Trout	Char	Trout
2016	144	7	427	49
2017	1044	60	73	2

A blue arrow points upwards from the 2016 Char value to the Kaldakvísl row. A red arrow points downwards from the 2017 Char value to the Tungnaá row.



Thank
you!