



TANA
DESIGN THINKING LAB

“USING ELECTROLYTIC WATER FOR ARTIFICIAL FRESHWATER FISH BREEDING”

**SUSTAINABLE
DEVELOPMENT GOALS**

WWW.CHULUUTTUL.ORG

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1. INTRODUCTION

Chuluut river



Hucho Taimen

We will introduce a project to protect and breed the Hucho taimen fish, which is classified as an "endangered species" in the world and as an "endangered species" in Mongolia.



2. RESULTS AND IMPROVEMENTS



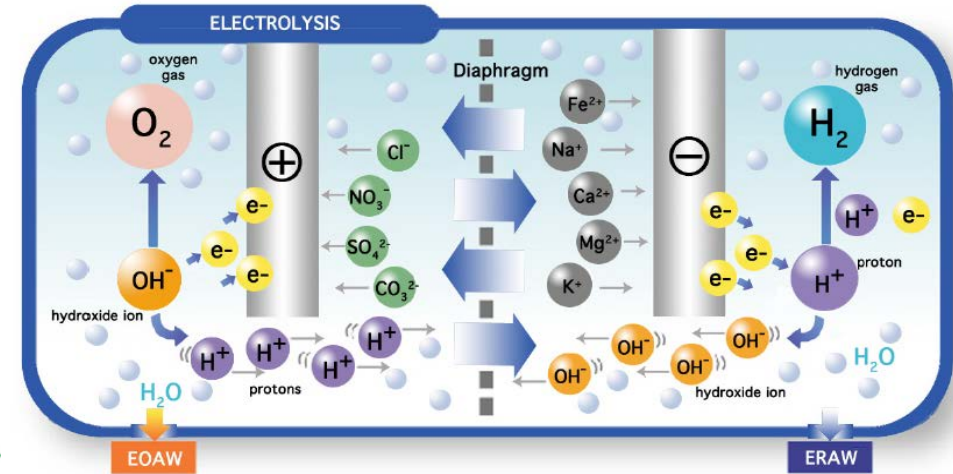
From 2019 to 2024, a total of 2.730,000 chicks were reared in the Chuluut river.



2. RESULTS AND IMPROVEMENTS



Our partner Tana Research Institute uses electrolyzed water that has undergone innovative water quality research to reduce mortality in farmed fish by 50%.



Our joint operation is currently in the pilot phase. At present, the assembly and calibration of the electrolyzer water system are underway, and it is planned to be tested in April 2025.



3. CAUSES AND GEOGRAPHICAL CONDITIONS OF FISH EXTINCTION



The river lacks research and is at risk from tourism and sport fishing, as well as poaching.



3. CAUSES AND GEOGRAPHICAL CONDITIONS OF FISH EXTINCTION



The Chuluut River is 413 km long and is located in Arkhangai province. It is considered the source of the Selenge River, the main tributary of Lake Baikal in Russia.



Mongolia has 64 million livestock, of which 4.85 million are in Arkhangai province.

It is thought that changes along rivers due to increased livestock, increased rainfall due to global warming, and flood pollution are having a major impact.

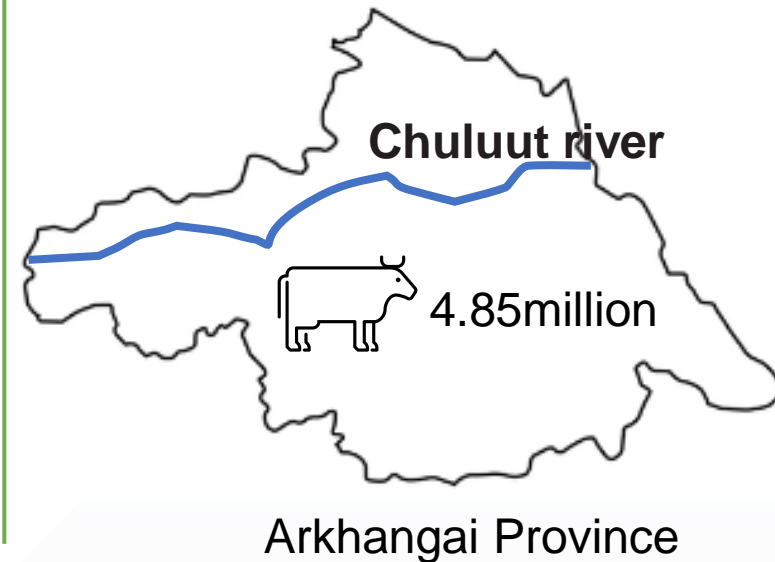
Lake Baikal



Selenge river



Chuluut river



Ulaanbaatar



670KM

Chuluut river

4. FISH BREEDING METHODOLOGY AND VALUE



Catch breeding fish



Fish farming process



Leave it in the river





The long-term nature of our conservation project will leave an invaluable asset for the world's future people.

Join activities and proposals with everyone

1. The goal is to leverage knowledge and electrolyzed water from Japan's world-leading experience in science and innovation.
2. Our activities are funded by donations. We need a sustainable tourism business partner to launch a sustainable Clyde fund.





Conservation first

Thank you

