



Regional Pre-Investment Studies in the Eastern Russian Arctic Restoration of Commercially Important Fish Species in the Subarctic and Arctic River Basins in Yakutia



Background

NPA-Arctic Project is a programme which shall contribute to prevent pollution of the Arctic marine environment. The pre-investment studies provide information for potential investment projects that can contribute to pollution reduction.

The pre-investment studies include a full technical description of the projects, including concept, regulatory requirements, environmental and social aspects as well as concept cost calculations. The technical description is followed by a financial analysis which assesses the investment needs and suggests potential investment and financing possibilities.

Restoration of Commercially Important Fish Species in the Subarctic and Arctic River Basins in Yakutia

The Project Initiators are the Biological Resources Department (BRD) of the Environmental Protection Ministry of the Republic of Sakha (Yakutia) and the Institute for Applied Ecology of the North of the Federal Education Agency of the Ministry of Education and Science of the Russian Federation. The Biological Resources Department is proposed as a potential beneficiary.

The Project includes measures for restoration of commercially important fish species in the subarctic and arctic river basins in Yakutia through construction of a fish hatchery to grow autumn-spawning fish species, and installation of portable incubation units to reproduce spring and summer spawning fish for release into rivers in Eastern Yakutia whose fish populations were depleted as a result of human impact; mitigation effect for the loss of commercially important and rare fish habitats in the river basins, and use of advanced technologies for artificial reproduction of sturgeon, salmon and whitefish and development of aquaculture infrastructure.

It is estimated that the proposed fish hatchery can facilitate through fish stocking production of around 1,000 tons of whitefish species annually, including: 600 tons of omul within 8 to 10 years; 80 tons of muksun within 10 years; 100 tons of nelma, and 200 tons of peled within 12 to 14 years. With regard to sturgeons and salmon fish, it is expected to produce through mobile incubation units with the capacity of 500,000 sturgeon eggs and 300,000 taimen/lenok eggs: up to 40 tons of sturgeon within 14 to 16 years; up to 300 tons of taimen within 5 to 8 years, and up to 80 tons of lenok within 5 to 8 years.

For more information:

The Final Report with the pre-investment study for the project is available at the offices of the Client, Project Initiator and Consultant or their web-sites and is open for comments during two weeks since its publication. For more information please contact:

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