

## CONTRACT

City of Yuzhno-Sakhalinsk

December 1, 2012

Closed Joint-Stock Company "Gidrostroy" hereinafter "**Customer**", represented by General Director Svetlikov, Yuri Nikolaevich, on the one hand, acting according to the Bylaws and citizen Akinicheva, Elena Grigorievna, Passport XXXXXXXX, issued XXXXXXXX, residing at: XXXXXXXX, hereinafter "**Contractor**", on the other hand, guided by the provisions of Sec. 37 of the Civil Code of Russian Federation, have agreed to as follows:

### 1. SUBJECT OF CONTRACT

1.1. The Contractor shall perform work requested by the Customer as specified in Section 1.2 of this Contract, and submit its results to the Customer, and the Customer shall accept the results of work and pay the compensation.

1.2. The Contractor shall perform the project on the subject: **«Estimate of the proportion of hatchery origin Pacific salmon in the catches of the trap nets on Iturup Island in 2012»**

1.3. The content and timing of milestones defined by Specification (Appendix № 1) and the Planned schedule (Appendix № 2) constituting an integral part of this Contract.

1.4. Date of completion of work under contract – October 30, 2013.

1.5. The work is considered to be completed after an Act of Acceptance of the Completed Work is signed by the by Customer or its authorized representative.

**Customer:**  
General Director  
of JSC «Gidrostroy»

**Contractor:**

\_\_\_\_\_ Y.N.Svetlikov

\_\_\_\_\_ E.G.Akinicheva

## SPECIFICATION

**By topic: «Estimate of the proportion of hatchery origin Pacific salmon in the catches of the trap nets on Iturup Island in 2012»**

### **1. Foundation for the work**

The otolith marking of juvenile pink salmon and chum salmon was carried out at the hatcheries Kurilskiy and Reidovoy, from 2008-2011.

The marking of fish from these hatcheries created preconditions for evaluation of the ratio of wild salmon and hatchery salmon in the catches of 2012 in certified areas.

### **2. Purpose and baselines**

The main purpose of the work is the identification of marked salmon and the evaluation of the ratio (share) of hatchery and wild spawners in the catches of the trap nets in Kurilskiy and Prostor Bays, and Cape Friza in 2012.

In 2012-2013 the following projects were planned:

- mounting of the otoliths on glass slides;
- preparation of thin sections of the embryo zone of the otoliths, of salmon spawners caught by fishing in certified areas (Kurilskiy and Prostor Bays, and in the area of Cape Friza), and analysis of the structures found in them to identify the tags and subsequent identification of marked individuals.
- calculation of the proportion of wild and hatchery origin fish in the catches.

Head of the Sector of Otolithometrics  
of FGUP «SakhNIRO»

E.G.Akinicheva

Appendix № 2  
to the Contract dated December 01, 2012

Contractor:

Customer:

General Director  
of JSC «Gidrostroy»

\_\_\_\_\_ E.G.Akinicheva

\_\_\_\_\_ Y.N.Svetlikov

THE PLANNED SCHEDULE FOR THE PERFORMANCE OF THE CONTRACT PROJECTS

**«Estimate of the proportion of hatchery origin Pacific salmon in the catches of the trap nets on Iturup Island in 2012»**

№№ milest one	Planned work	Due dates	The result of work
1	Installation of the otoliths on glass slides. Preparation of thin sections of otoliths of chum and pink salmon from the catches in Kurilskiy Bay. Analysis of the microstructure of the salmon otoliths. Statistical data analysis and preparation of the final report.	December 2012 – May 2013	The material for the analysis of the microstructure of otoliths.
2	Installation of the otoliths on glass slides Preparation of thin sections of otoliths of chum and pink salmon from the catches in Prostor Bay and the area of Cape Friza	June - October 2013	The material for the analysis of the microstructure of otoliths. Data for the estimate of the share of wild and hatchery fish in catches of the trap nets in Kurilskiy and Prostor Bays and in the area of Cape Friza. Final report.