MELIORATION OF WATER RESERVOIRS

Areas of Application

The method is to be used in water management and fishery for improvement of ecological state of water ecosystems, private lease, and recreational use of water bodies

Specification

The method is based on the biological reclamation with the use of herbivorous fish and the mechanical reclamation by mowing of higher aquatic vegetation and withdrawal of bottom sediments

Advantages

The method enables quick and low-cost creation of optimal conditions for water use and inhabitation of fish and other aquatic organisms in water bodies. Using new high- performance fish hybrids enables to process up to 20 t/ha of bottom sediments (detritus and silt) annually, to inhibit the growth or to completely eliminate the higher aquatic vegetation. Also, the method provides the advanced technique for withdrawal of bottom sediments

Stage of Development. Suggestions for Commercialization

IRL9, TRL9
Upon request, the standards for sediment control are developed and recommendations on the use of the most cost-effective melioration methods including manual, mechanical, or biological reclamation are provided for each water reservoir individually

IPR Protection

IPR2

Contact Information

Sergey V. Ovechko, Kherson Hydrobiological Station of the NAS of Ukraine;
+38 055 227 03 35, e-mail: hgbs@ nas.gov.ua