



NATIONAL STATISTICS OFFICE OF GEORGIA
GEOSTAT

SURVEY OF AQUACULTURE HOLDINGS

Questionnaire No. 08.1.8.1 (Annual)

Approved by Decree No. __ of the Board of LEPL "Geostat", 201_

Identification

Respondent	
0.1.1 Farm holder / Head of enterprise	☐ Interviewed ☐ Not found ☐ Refused to provide information
0.1.2 Family member of the farm holder or person working on the holding	☐ Interviewed ☐ Not found ☐ Refused to provide information
0.1.3 Other informed person (neighbour, relative, etc.)	☐ Interviewed ☐ Not found ☐ Refused to provide information
0.1.4 Official person	☐ Interviewed ☐ Not found ☐ Refused to provide information
0.2 Respondent's first and last name	
0.3 Respondent's telephone number	
0.4 Did the holding have a water body in use for aquaculture during the reference period?	☐ Yes ☐ No
0.5 Did the holding have a water body in use for aquaculture at the end of the reference period?	☐ Yes ☐ No
GPS address	

Part 1. General Information (as of the end of the period)

1.1 Change in the holding	Yes / No ☐ / ☐ Farm holder changed ☐ / ☐ Farm holder's address changed
1.2 Legal status of the holder	
1.2.1 Name of the enterprise	
1.2.2 Identification code of the enterprise	
1.3 First and last name of the farm holder / head of enterprise	
1.4 Sex of the farm holder / head of enterprise	☐ Male ☐ Female
1.5 Age of the farm holder / head of enterprise	
1.6 Address of residence of the farm holder / office address of the enterprise	

1.6.1 Region	
1.6.2 Municipality / self-governing city / district of Tbilisi	
1.6.3 Community / town / settlement	
1.6.4 Village	
1.6.5 Address	
1.7 Telephone number of the farm holder / head of enterprise	
1.8 E-mail address of the farm holder / head of enterprise	
1.9 For how many years has the farm / enterprise engaged in aquaculture?	
1.10 What type of activity is aquaculture for the holding?	☐ Main ☐ Non-main ☐ Auxiliary
1.11 Total area of land in use by the holding (m ²)	
1.12 of which used for aquaculture (m ²)	
1.13 Total area of water bodies designated for aquaculture in use by the holding (m ²)	
1.14 of which total area of leased water bodies (m ²)	

1.15 of which area of water bodies leased from the State (m ²)	
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Part 2. Water Bodies

Settlements where the holding had water bodies designated for aquaculture in use during the period <i>Record settlements at the level of village, settlement/town, city, or district of Tbilisi.</i> <i>Record each settlement in a separate field.</i>	
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Settlement — /settlement/

2.1 Settlement	
2.1.1 Region	
2.1.2 Municipality / self-governing city / district of Tbilisi	
2.1.3 Community / town / settlement	
2.1.4 Village	
2.2 Types of water bodies designated for aquaculture	Yes / No ☐ / ☐ Pool ☐ / ☐ Pond ☐ / ☐ Lake / part of lake ☐ / ☐ Part of reservoir ☐ / ☐ Part of river ☐ / ☐ Part of sea

Water body — /type of water body/

2.2.1 At the end of the period, did you have in use a pool / pond / lake or part of lake / part of reservoir / part of river / part of sea?	☐ Yes ☐ No
2.2.2 Number of pools / ponds	
2.2.3 Total area of pools / ponds / water bodies (m ²) <i>Record the area as of the end of the reference period.</i>	
2.2.4 Total volume of pools / ponds / water bodies (m ³) <i>Record the volume as of the end of the reference period.</i>	
2.2.5 Water exchange system in pools / ponds	Yes / No ☐ / ☐ Flow-through ☐ / ☐ Closed (recirculating) ☐ / ☐ Static (non-flowing)
2.3 Volume of water inflow into pools / ponds (m ³)	
2.4 Source of water inflow into pools / ponds	Yes / No ☐ / ☐ Surface water ☐ / ☐ Groundwater ☐ / ☐ Central water supply

Part 3. Fish and Other Aquatic Organisms

Cultivation of aquatic organisms	Yes / No ☐ / ☐ Fish ☐ / ☐ Other aquatic organisms
Fish species cultivated during the period	☐ Rainbow trout ☐ Brown trout ☐ Russian sturgeon ☐ Sterlet ☐ Carp (common carp) ☐ Mirror carp ☐ Grass carp (white amur) ☐ Silver carp ☐ Bighead carp ☐ European (Wels) catfish ☐ Other
Other fish species <i>Record each fish species in a separate field.</i>	
Other aquatic organisms cultivated during the period <i>Record each aquatic organism in a separate field.</i>	

Fish species — /fish species/

3.1 Settlements where /fish species/ was cultivated during the reference period	
Live fish production	
3.2 Stock of live fish at the beginning of the period (kg)	
3.3 Live fish produced on the holding (kg)	
3.4 Live fish sold (kg)	
3.4.1 Revenue from sale of live fish (GEL)	
3.5 Live fish used on the holding (kg)	
3.6 Loss of live fish (kg)	
3.7 Stock of live fish at the end of the period (kg)	

Roe production

3.8 Roe produced by hatchery method (kg)	
3.9 Caviar production (kg)	

Marketable fish in water bodies

3.10 Marketable fish in water bodies at the beginning of the period (kg)	
3.11 Marketable fish in water bodies at the end of the period (kg)	
3.12 Number of fish in the female broodstock at the end of the period (units)	
3.13 Number of fish in the male broodstock group at the end of the period (units)	
3.14 Number of fish in the replacement (rearing) group at the end of the period (units)	

Loss of marketable fish

3.15 Loss of marketable fish during the period (kg)	
3.15.1 of which loss caused by disease (kg)	

Fry rearing

3.16 Hatchery-produced and purchased roe used to obtain fry during the reference period (kg)	
3.17 Number of fry obtained from hatchery-produced and purchased roe during the period (units)	

Rearing of marketable fish

3.18 Number of fry (from hatchery-produced and purchased roe) used for rearing marketable fish during the reference period (units)	
3.19 Number of marketable fish reared during the period from fry obtained from hatchery-produced and purchased roe (units)	
3.20 Number of fry purchased for rearing marketable fish during the reference period (units)	
3.21 Number of marketable fish reared during the period from purchased fry (units)	

Sales

3.22 Number of marketable fish sold (units)	
3.22.1 Revenue from sale of marketable fish (GEL)	
3.23 Hatchery-produced fertilised roe sold (kg)	
3.23.1 Revenue from sale of hatchery-produced fertilised roe (GEL)	
3.24 Hatchery-produced unfertilised roe sold (kg)	
3.24.1 Revenue from sale of hatchery-produced unfertilised roe (GEL)	
3.25 Number of fry sold (units)	
3.25.1 Revenue from sale of fry (GEL)	

Other aquatic organisms — /aquatic organism/

3.1 Settlements where /aquatic organism/ was cultivated during the reference period	
3.2 Production of /aquatic organism/ (kg)	
3.3 /Aquatic organism/ sold (kg)	
3.3.1 Revenue from sale of /aquatic organism/ (GEL)	

Part 4. Feeding (during the period)

4.1 Compound feed used (kg)	
4.2 Animal-based feed used (kg)	
4.3 Plant-based feed used (kg)	
of which:	
4.3.1 Cereal crops (kg)	
4.3.2 Leguminous crops (kg)	
4.3.3 Grasses/herbage (kg)	
4.3.4 Plant residues (kg)	
4.3.5 Other plant-based feed (kg)	

Part 5. Fertilisers and Pesticides (during the period)

5.1 Use of fertilisers and pesticides	Yes / No ☐ / ☐ Organic fertiliser ☐ / ☐ Mineral fertiliser ☐ / ☐ Pesticide
5.2 Volume of organic fertiliser used (kg)	
5.3 Mineral fertilisers used <i>Record the names of the mineral fertilisers used. Record each mineral fertiliser in a separate field.</i>	

Mineral fertilisers — /mineral fertiliser/

5.3.1 Volume of /mineral fertiliser/ used (kg)

5.4 Pesticides used

*Record the names of the pesticides used.
Record each pesticide in a separate field.*

Pesticides — /pesticide/

5.4.1 Volume of /pesticide/ used

☐ Kilogram ☐ Gram ☐ Litre

Part 6. Machinery and Equipment (during the period)

Did you use machinery / equipment for aquaculture during the period?

☐ Yes ☐ No

Machinery / equipment used on the holding during the period

- ☐ Incubator
- ☐ Water pump
- ☐ Oxygen supplier (aerator)
- ☐ Water filter
- ☐ Water heater
- ☐ Fish sorter/grader
- ☐ Fish-catching pump
- ☐ Fish counter
- ☐ Feed dispenser
- ☐ Aquatic collector / fish aggregator
- ☐ Other

Other machinery/equipment used

Record each item of machinery/equipment in a separate field.

Machinery/equipment — /machinery-equipment item/

6.1 Source of use of /machinery-equipment item/

- ☐ Own
- ☐ Joint ownership
- ☐ Rented/leased
- ☐ Other

Part 7. Employment (during the period)

7.1 Number of permanently employed persons in the aquaculture holding

7.2 Number of temporarily employed persons in the aquaculture holding

of which:

7.2.1 Number of seasonally employed persons

7.2.2 Number of persons employed on a one-off basis

7.3 Number of hired employees in the aquaculture holding

Part 8. Economic Information (during the period)

8.1 Expenses incurred for aquaculture

Yes / No

- ☐ / ☐ 1 Purchase of fish roe
- ☐ / ☐ 2 Purchase of fish fry
- ☐ / ☐ 3 Purchase of marketable fish
- ☐ / ☐ 4 Purchase of other aquatic organisms
- ☐ / ☐ 5 Water fee
- ☐ / ☐ 6 Purchase of feed for aquatic organisms
- ☐ / ☐ 7 Purchase of fertilisers and pesticides
- ☐ / ☐ 8 Rental of machinery
- ☐ / ☐ 9 Laboratory and ichthyopathologist services
- ☐ / ☐ 10 Purchase of medications
- ☐ / ☐ 11 Remuneration of hired employees
- ☐ / ☐ 12 Other current expenses
- ☐ / ☐ 13 Purchase of water bodies
- ☐ / ☐ 14 Lease payment for water body
- ☐ / ☐ 15 Repair of water body
- ☐ / ☐ 16 Purchase of machinery
- ☐ / ☐ 17 Water-use licence
- ☐ / ☐ 18 Other capital expenses

1 Purchase of fish roe (GEL)	
2 Purchase of fish fry (GEL)	
3 Purchase of marketable fish (GEL)	
4 Purchase of other aquatic organisms (GEL)	
5 Water fee (GEL)	
6 Purchase of feed for aquatic organisms (GEL)	
7 Purchase of fertilisers and pesticides (GEL)	
8 Rental of machinery (GEL)	
9 Laboratory and ichthyopathologist services (GEL)	
10 Purchase of medications (GEL)	
11 Remuneration of hired employees (GEL)	
12 Other current expenses (GEL)	
13 Purchase of water bodies (GEL)	
14 Lease payment for water body (GEL)	
15 Repair of water body (GEL)	
16 Purchase of machinery (GEL)	
17 Water-use licence (GEL)	
18 Other capital expenses (GEL)	
8.2 Credit taken for aquaculture (GEL)	
8.2.1 Purpose of taking the credit	☐ Purchase or improvement of water bodies ☐ Purchase of aquatic organisms ☐ Purchase of machinery ☐ Purchase of fish feed, fertilisers, or pesticides ☐ Other