

**Model for declarations of disease-free status
in accordance with Article 11 of Commission Implementing Regulation (EU) 2020/2002**

1. General informations	
1.1. Date of submission	
1.2. Declaring Member State	
Italy	
1.3. Diseases	
1.3.a. Fish	<input checked="" type="checkbox"/> VHS <input checked="" type="checkbox"/> IHN
1.3.b. Molluscs	<input type="checkbox"/> Infection with <i>Marteilia refringens</i> <input type="checkbox"/> Infection with <i>Bonamia ostreae</i> <input type="checkbox"/> Infection with <i>Bonamia exitiosa</i>
1.3.c. Crustaceans	<input type="checkbox"/> White spot disease
<input type="checkbox"/> Other	
1.4. Contact details	
Name	Dr Maroni Ponti Andrea
Role within the Competent Authority	Aquaculture referent Ministry of Health, Directorate General for the hygiene and food safety and nutrition - Office II
E-mail:	a.maroni@sanita.it
1.5. Local Competent Authority	
ASLTO4, VIA PO 11 10034 CHIVASSO – TURIN- PIEDMONT Dipartimento di Prevenzione, Servizio veterinario, Sanita' Animale Via Cavour 29, 10073 Cirie', Turin, Italy Dr. Ezio Sano' Email: esano@aslto4.piemonte.it	
1.6. Laboratory in charge of analysis	
Fish Diseases Laboratory at the Experimental Zooprophyllactic Institute of Piedmont, Liguria and Valle d'Aosta via Bologna 148, Turin, Italy Dr. Marino Prearo	

Tel. +39 0112686251 Email: marino.prearo@izsto.it	
2. Area covered	
2.1. <input type="checkbox"/> Zone (entire water catchment area) ¹	
2.2. <input type="checkbox"/> Zone (part of water catchment area) ² Identify and describe the artificial or natural barrier that delimits the zone and justify its capability to prevent the upward migration of aquatic animals from the lower stretches of the water catchment area	
2.3. <input type="checkbox"/> Zone (more than one water catchment area) ³	
2.4. <input checked="" type="checkbox"/> Compartment independent of the surrounding health status ⁴	
Identify and describe for each farm the water supply	<input checked="" type="checkbox"/> Well, borehole or spring <input type="checkbox"/> Water treatment plant inactivating the relevant pathogen ⁵
a. Where such water originates from a source outside the establishment, identify and describe all means by which it is channeled directly to the farm and that afford appropriate protection from infection	
The springs which supply the farm are located at 500mt from the establishment. Water is collected at around 150mt from the springs through stainless-steel filters with 10mm holes and channelled to the establishment through PVC pipes (Annex 6, Picture 1). Water enters the hatchery after passing through a sedimentation tank (Annex 6, Picture 2) and being treated with a UV light sterilizer (Annex 6, Picture 3).	
b. Identify and describe for each farm natural or artificial barriers and justify its capability to prevent that aquatic animals enter each establishment in a compartment from the surrounding watercourses	
Wild aquatic animals cannot enter the hatchery through the water inlet because of the stainless-steel filters with 10mm holes positioned there. After being used in the hatchery, the water is redirected through PVC piping (Annex 6, Picture 4) and released downstream of the natural barrier which delimits the VHS/IHN Disease-free zone where the hatchery is located (Annex 6, Picture 6). The wild aquatic animal entrance to the establishment through water outlet is prevented by the presence of a stainless-steel grid with 5 mm holes. The hatchery is a closed building (Annex 6, Picture 8) and	

¹ An entire water catchment area from its sources to its estuary

² Part of a water catchment from the source of a waterway to a barrier that prevents the introduction of a specific disease or diseases

³ More than one water catchment area, including their estuaries, due to the epidemiological link between the catchment areas through the estuary

⁴ Compartments comprising one or more farms or mollusc farming areas where the health status regarding a specific disease is independent of the health status regarding that disease of surrounding natural waters

⁵ Provide technical information to demonstrate that the relevant pathogen is inactivated in order to reduce the risk of the introduction of the disease to an acceptable level -

	therefore no bird or other animal surrounding water courses can enter the establishment.
	c. Identify and describe for each farm the protection against flooding and infiltration of water from the surrounding watercourses
	The hatchery is located on the right riverbank of the Stura di Valgrande River, at a distance of around 100mt from an embankment. This artificial embankment is a 4mt wall in natural stone (Annex 6, Picture 7), built after the last flood which occurred in 2000. After its construction there have been no more floods.
	2.5. <input type="checkbox"/> Compartments dependent of the surrounding health status ⁶
	<input type="checkbox"/> Single establishment <input type="checkbox"/> Group of establishments ⁷
	a. provide information related to the assessments referred to point (a) of Article 73(3) of the Regulation EU 2020/689
	b. detail any measures which have been imposed by the competent authority to prevent the introduction of the relevant disease to the compartment
3. Geographical demarcation ⁸	
	3.1. Farms or mollusc farming areas covered (registration numbers, owner information and geographical situation)
	<p>Aquaculture establishment: Cantoira hatchery Farm identification code: 054TO800 Latitude: 45°21'01.5"N Longitude: 7°21'54.9"E Planimetry and ortographic photo of the establishment are reported in Annex 3 and Annex 4.</p> <p>The Cantoira hatchery is located in the Piedmont Region, Metropolitan City of Turin, Cantoira Municipality, Stura di Val Grande River, which is part of the Stura di Lanzo basin. The zone Stura Valgrande has been recognized as VHS/IHN Disease-free zone by a previous EU provision in 2005. This zone starts from the springs and affluents of the Stura di Val Grande River and reaches the natural barrier drop in the town of Cava di Pietra, Cantoira Municipality (Turin) (Annex 6, Picture 6).</p> <p>Reared species: brown trout (<i>Salmo trutta</i>) and marble trout (<i>Salmo marmoratus</i>) for restocking and biodiversity conservation purposes.</p>

⁶ Compartments comprising one or more farms or mollusc farming areas where the health status regarding a specific disease is dependent on the health status of surrounding natural waters regarding that disease

⁷ Approved as referred to Article 177 of Regulation EU 2016/429

⁸ The geographical demarcation shall be clearly described and identified on a map, which must be attached as an Annex to the declaration

Broodstock consists of wild adult fish collected from the Stura di Lanzo (VHS/IHN disease free zone) and Ala di Stura (VHS/IHN disease free status pending and requested based on completion of a 2 years eradication programme) zones and are housed temporarily into the Ala di Stura establishment (ID code: 003TO800). At the end of artificial reproduction operations, the animals are released where they have been captured. Obtained eggs are moved to the Cantoira hatchery, incubated into zug jars (Annex 6, Picture 10) and transferred into small steel tanks (Annex 6, Picture 11) until hatching. Juveniles are housed in round tanks (Annex 6, Picture 12). According to growth and when ready they are then released into the wild for restocking purposes, with the exception of a small part which is moved back to the Ala di Stura establishment to serve as future breeders.

The owner of the Cantoira hatchery is the “Tutela dello Stura di Lanzo APS ETS” association, which runs both the Ala di Stura establishment (farm code: 003TO800) and the Fish Hatchery of Cantoira (Turin) (farm code: 054TO800), which are both subject to requests for recognition of disease-free status.

The Tutela della Stura di Lanzo association operates in agreement and in partnership with Metropolitan City of Turin to the safeguard and fish fauna reproduction.

Legal Headquarters: Via Santa Lucia 58B 10074 Lanzo Torinese (TO)

TAX ID:97523280010

VAT ID:05920520011

Legal mail: tuteladellastura@pec.it

Under the Metropolitan City of Turin’s supervision, the “Associazione Tutela Stura di Lanzo” association must comply with the following obligations, as stipulated by National and EU Regulations:

- Continued updating of the loading and unloading register of ingoing and outgoing animals, marking potential dead animals and updating the number of animals present in the plant, divided by age.
- Maintenance of good hygiene practices through daily observance of the regulations in the “Good hygiene practices manual”.
- Updating of the organization chart of the people who operate in the structure (register details of the Association of reference, the owner, custody and farming personnel, and person in charge of hygiene regulation implementation)
- Tank identification, cleaning and disinfecting of the equipment and the tanks, and, in the event of use of disinfectant, marking of this on medicine register.
- Continued updating of the medicine register, adequate stock and preservation of disinfectant in a dry, closed environment, with attached explanatory tables and description of the products.
- Removal of dead animals and, if under 25kg/year, transfer to the general waste after boiling. In the event of out of the ordinary mortality, the Head of hygiene regulation implementation must warn the Veterinaries of the local Health Unit and Personnel of the Veterinary Medical Research Institute of Piedmont, Liguria, and Valle d’Aosta (IZSPLV), so the necessary investigations and adequate disposal through incineration plant may be carried out.
- Annotation of water temperature, cleaning of the grids at the entrance and exit, periodic distribution of an adequate amount of feed.

Within a radius of 5 km from the Cantoira hatchery, there is an aquaculture establishment which has

	<p>been declared VHS/IHN Disease-free since 2005. This farm (“Troticoltura delle Sorgenti”, farm code: 075TO800; species reared: brown and brook trout; productive type: fattening/hatchery) is located in the Chialamberto municipality (Turin) in the town of Breno, about 5 km upstream. Coordinates: 45°36’7037,7” N, 7°31’7156”</p>
<p>4. Activity status of the farms or mollusc farming areas</p>	
4.1	<input type="checkbox"/> New farm
4.2	<input type="checkbox"/> Recommencing farm
4.3	<input checked="" type="checkbox"/> Active farm
	<p>The company has been active since 2019.</p>
	<input checked="" type="checkbox"/> Health history of farm known to competent authority
	<p>The Stura Valgrande zone, where the Cantoira hatchery is located, has already been recognized as VHS/IHN Disease-free by previous EU provision in 2005. The VHS/IHN Disease free status has been maintained in accordance with the prescription of the former EU regulation. Competent Authority has a comprehensive knowledge of the VHS/IHN health status of this zone as well as the neighboring Ala di Stura zone. The Cantoira hatchery started its activity in the year 2019, following the disuse of the Chiampernotto hatchery (Ceres municipality, code 072TO800) which has undergone regular favourable health inspections and samplings for VHS/IHN detection until its closure.</p> <p>Health inspections have been carried out with sampling methods and diagnostic tests as required by Regulation UE 429/2016 and CDR 689/2020. Health surveillance samples have been collected by the Official Veterinarian of ASLTO4 (Local Health Unit TO4), who performed the clinical visits in the farm. Collected samples have been sent to the Fish Diseases Laboratory of the Experimental Zooprophyllactic Institute of Piedmont, Liguria and Valle d’Aosta of Piedmont, Liguria, and Valle d’Aosta</p>
	<input checked="" type="checkbox"/> Not subject to animal health measures in respect of listed diseases
	<p>Health Police measures have never been implemented into the zones, the closed hatchery or the Cantoira hatchery. All Official Inspections over the previous years (from 2005 to 2019) from Health Monitoring and all relative sampling have always given favorable results.</p>
	<input type="checkbox"/> Farm cleaned, disinfected and, as necessary, fallowed

5. Grounds for disease-free status

5.1. Absence of listed species

a. provide documentary evidence to substantiate that the criteria laid down in points (a)(i) and (a)(ii) of Article 66 (for zones) or Article 73(1) (for compartments) of Regulation (EU) 2020/689 (as relevant) have been fulfilled for an eligibility period of at least 5 years and the disease has not been detected

b. provide documentary evidence to substantiate that the listed species relevant to the Category C disease are absent from kept and wild animal populations

c. provide documentary evidence to substantiate that the likelihood of introduction to the zone/compartments and the presence of listed species in the zone/compartment has been assessed and found to be negligible

5.2. Disease agent's incapacity to survive

a. provide documentary evidence to substantiate that the criteria laid down in points (a)(i) and (a)(ii) of Article 66 (for zones) or Article 73(1) (for compartments) of Regulation (EU) 2020/689 (as relevant) have been fulfilled for an eligibility period of at least 5 years and the disease has not been detected

b. provide documentary evidence to substantiate that the disease has never been reported, or if reported, it has been demonstrated that the disease agent did not survive

b. provide scientific evidence to substantiate that the value of at least one critical environmental parameter that is not compatible with the survival of the disease is reached and that the disease agent is exposed to that critical environmental parameter for a period of time that is sufficient to destroy it

5.3. Disease-free recognition for **independent compartments which comprise individual establishments**

5.4. Completion of an eradication programme

The following information must be supplied for each year of the programme⁹

⁹ Fulfill Tables 5.4.a and 5.4.b with informations related to each year of duration of the eradication programme

a. aquaculture establishments and where relevant, the sampling points in the wild in the zone/compartiment:¹⁰					
<p>Sampling into the aquaculture establishment: Farm identification code: 054TO800 Latitude: 45°21'01.5"N Longitude: 7°21'54.9"E</p> <p>Sampling points in the wild: adjacent river downstream of Cantoira hatchery water outlet (same geographic coordinates). Given that the surrounding territory to the district is already VHS and IHN disease-free, samplings on wild fish were carried out for validation.</p>					
		<u>1st</u> <u>year-</u>	<u>2nd</u> <u>year</u>	<u>3rd</u> <u>year</u>	
Number of approved aquaculture establishments in the programme		1	1	1	
Number of registered aquaculture establishments in the programme (where relevant)		0	0	0	
Number of sampling points in wild populations (where relevant)		1	1	1	
Number of aquaculture establishments, and where relevant, sampling points in the wild, out of the total number of aquaculture establishments and sampling points in the wild, which are not infected		2	2	2	
Number of aquaculture establishments, and where relevant, sampling points in the wild, out of the total number of aquaculture establishments and sampling points in the wild, with confirmed cases		0	0	0	
Number of new aquaculture establishments, and where relevant, sampling points in the wild, out of the total number of aquaculture establishments and sampling points in the wild, with confirmed cases		0	0	0	
b. animal health visits and sampling which have been completed¹¹					
		<u>1st</u> <u>year</u>	<u>2nd</u> <u>year</u>	<u>3rd</u> <u>year</u>	<u>4th</u> <u>year</u>
Number of health visits per approved and where relevant, per registered aquaculture establishment		2	2	2	
Number of samplings per approved, and where relevant, per registered aquaculture establishment, or samplings in wild populations		3	2	3	

¹⁰ Provide maps showing approved and registered aquaculture establishments, and where relevant, sampling points in the wild

¹¹ For each health visit informations such as species sampled, results from each clinical inspection, number of samples collected, water temperature at the time of sampling and results from each laboratory examination should be provided as an Annex

6. Statement confirming that the relevant general criteria in accordance with point (a) of Article 66 of Regulation (EU) 2020/689 (for zones), or with point (a) of Article 73(1) of that Regulation (for aquatic compartments) are complied with¹²

¹² The statement should be provided as an Annex and signed by the Competent Authority

List of annexes

Provide all Annexes required and all relevant informations such as zone/compartment map, layout of the farms involved, results of health examinations

Annex 1: Introduced eggs, gametes and/or fish to the farm since beginning of activity or during monitoring period

Annex 2: Data on health inspections, sampling and analysis performed in the establishment

Annex 3: Planimetry of the establishment 054TO800

Annex 4: Orthographic and topographic map of the area in which the establishment is located

Annex 5: Map of the catchment area

Annex 6: Layout of the establishment showing where all biosecurity measures are located (grids/drops/ gates etc.), reporting relative photographic documentation for every location described, and water supply location -

Annex 7: Area around the farm with a radius of 5 Km

Annex 8: Statement confirming that the relevant general criteria in accordance with point (a) of Article 66 of Regulation (EU) 2020/689 (for zones), or with point (a) of Article 73(1) of that Regulation (for aquatic compartments) are complied with¹³

¹³ The statement should be provided as an Annex and signed by the Competent Authority

Annexes - Allegati

Annex 1: Information concerning eggs and/or fish have been introduced into the farm of concern

Dates for introduction of stock	Introduced stock			Source				
	Species	Age	Amount	Name and address of farm of origin	Zone (if relevant)	Sanitary status of farm of origin	Movement documents	
							Documentation satisfying	
Yes	No							
03/10/2019	Salmo Trutta	eggs	100.000	003TO800 Trout farm Ala di Stura	Ala di Stura Zone	VHS/IHN disease free status pending	X	
15/10/2020	Salmo Trutta	eggs	150.000	003TO800 Trout Farm Ala di Stura	Ala di Stura Zone	VHS/IHN disease free status pending	X	
09/10/2021	Salmo Trutta	eggs	235.000	003TO800 Trout farm Ala di Stura	Catchment Ala di Stura Zone	VHS/IHN disease free status pending	X	
22/10/2022	Salmo Trutta	eggs	250.000	003TO800 Trout farm Ala di Stura	Ala di Stura Zone	VHS/IHN disease free status pending	X	

Annex 2: Data on health visit, sampling and analysis performed into the establishment

Date of health visit	Date of sampling	Water temperature at sampling	aquatic species present	species sampled	Number of animals sampled (total & by species)	Laboratory carrying out the analysis	Results of clinical examination	Results of Laboratory tests
26/02/2020	26/02/2020	7,6° C	Salmo trutta	Salmo trutta	80	IZSPLV	Negative	Negative
	30/09/2020	8° C	Salmo trutta	Salmo trutta	9 Wild	IZPLV	Negative	Negative
18/11/2020	18/11/2020	7,6° C	Salmo trutta	Salmo trutta	80	IZPLV	Negative	Negative
03/03/2021	03/03/2021	8° C	Salmo trutta	Salmo trutta	80	IZPLV	Negative	Negative
05/10/2021	05/10/2021	10° C	Salmo trutta	Salmo trutta	80	IZPLV	Negative	Negative
27/04/2022	27/04/2022	8,5° C	Salmo trutta	Salmo trutta	80	IZPLV	Negative	Negative
	28/09/2022	10°	Salmo trutta	Salmo trutta	11 Wild	IZPLV	Negative	Negative
29/09/2022	20/09/2022	10° C	Salmo trutta	Salmo trutta	80	IZPLV	Negative	Negative

Annex 3: Establishment planimetry – Farm code 054TO800

Estratto della mappa catastale

Foglio XVIII – scala 1 : 1500

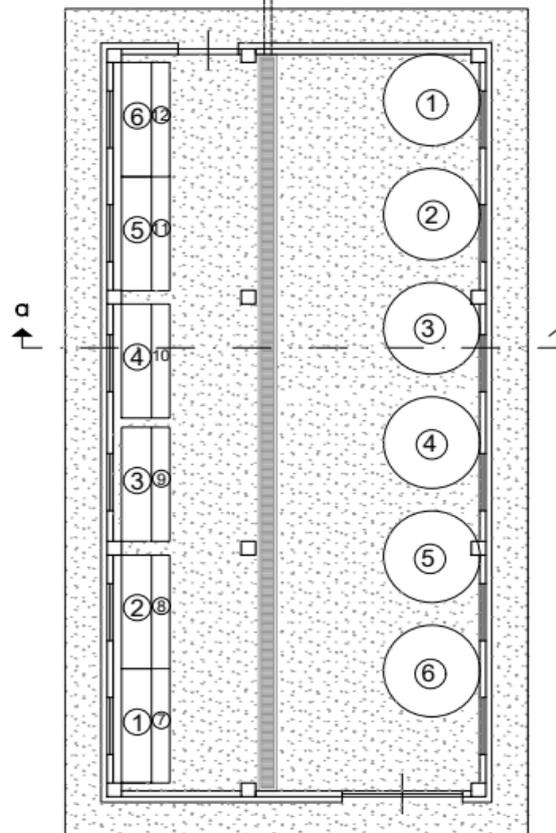


Carta tecnica

s134010 – s134050 – scala 1 : 25.000



Planimetria fisch farm 054T0800



Scala 1:100

Annex 4: Orthographic and topographic map of the area in which the establishment 054TO800 is located



Annex 5: Map of the catchment area Stura di Lanzo river –

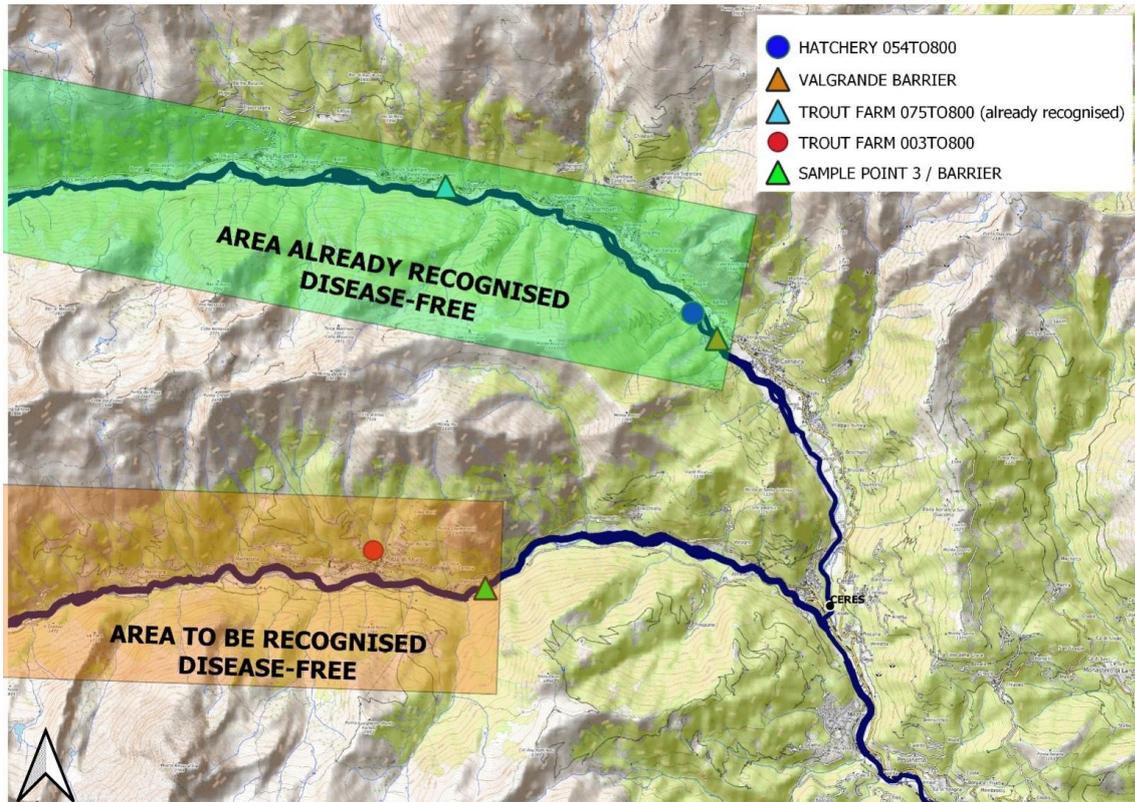
Italy



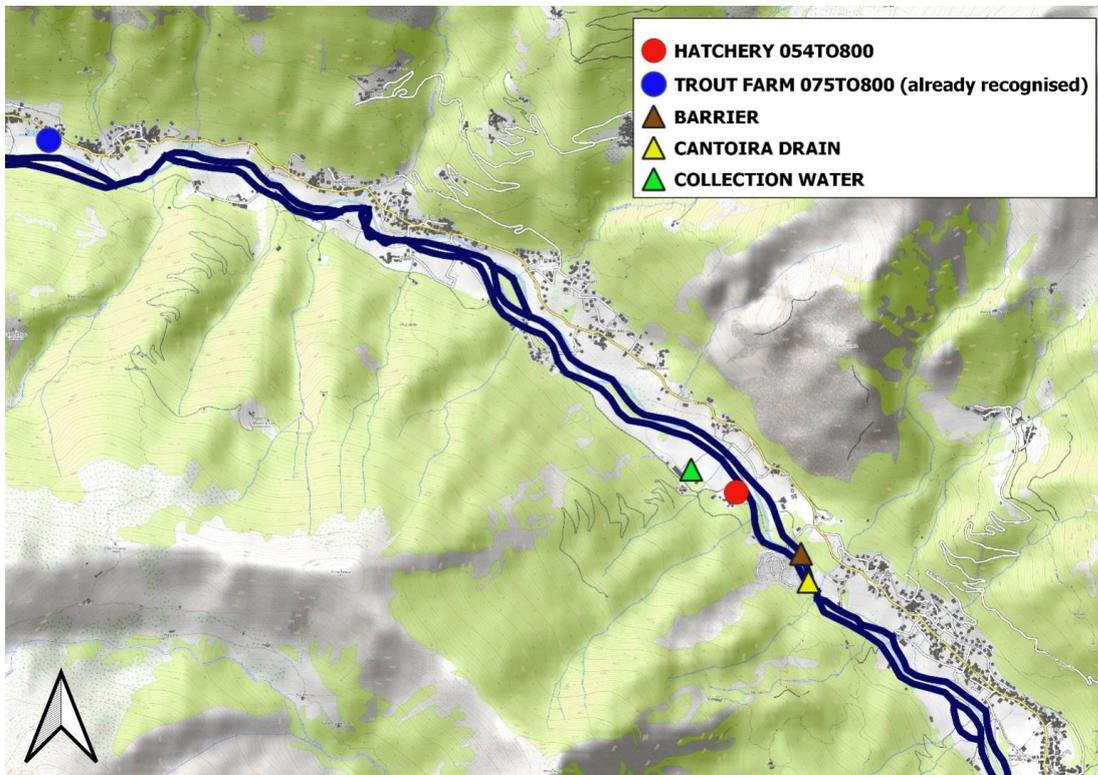
Piedmont



Catchment Stura di Lanzo River

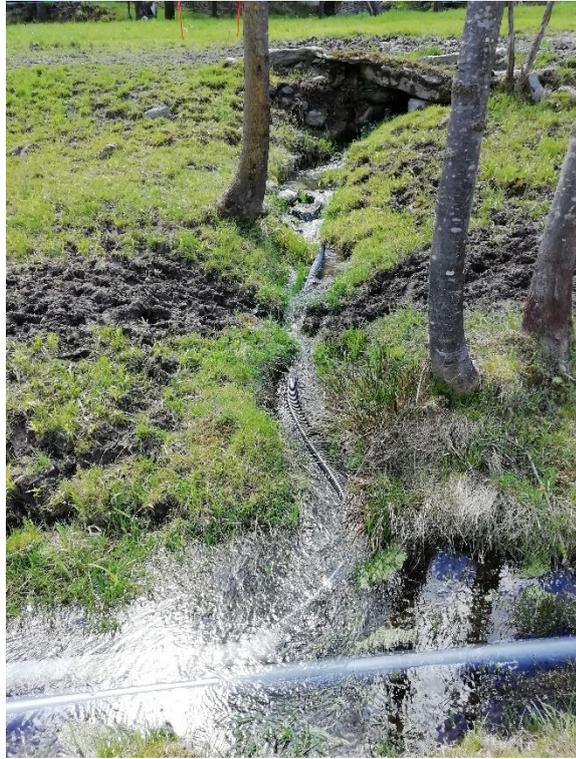


Stura Valgrande zone



Annex 6: Layout of the establishment

PICTURE 1: Water collection grid and PVC pipe



PICTURE 2: Water collection grid and PVC pipe



PICTURE 3: UV sterilizer at the hatchery water inlet



PICTURE 4: Conveyance of outgoing water through PVC pipe



PICTURE 5: Water discharge in the river downstream of the Stura di Lanzo zone



PICTURE 6: Lower limit (natural barrier) of the Stura Valgrande zone



PICTURE 7: Embankment protecting the independent compartment from floodings



PICTURE 8: Cantoira hatchery (054TO800) exterior view



PICTURE 9: Cantoira hatchery (054TO800) interior view



PICTURE 10: Zug jar for eggs incubation



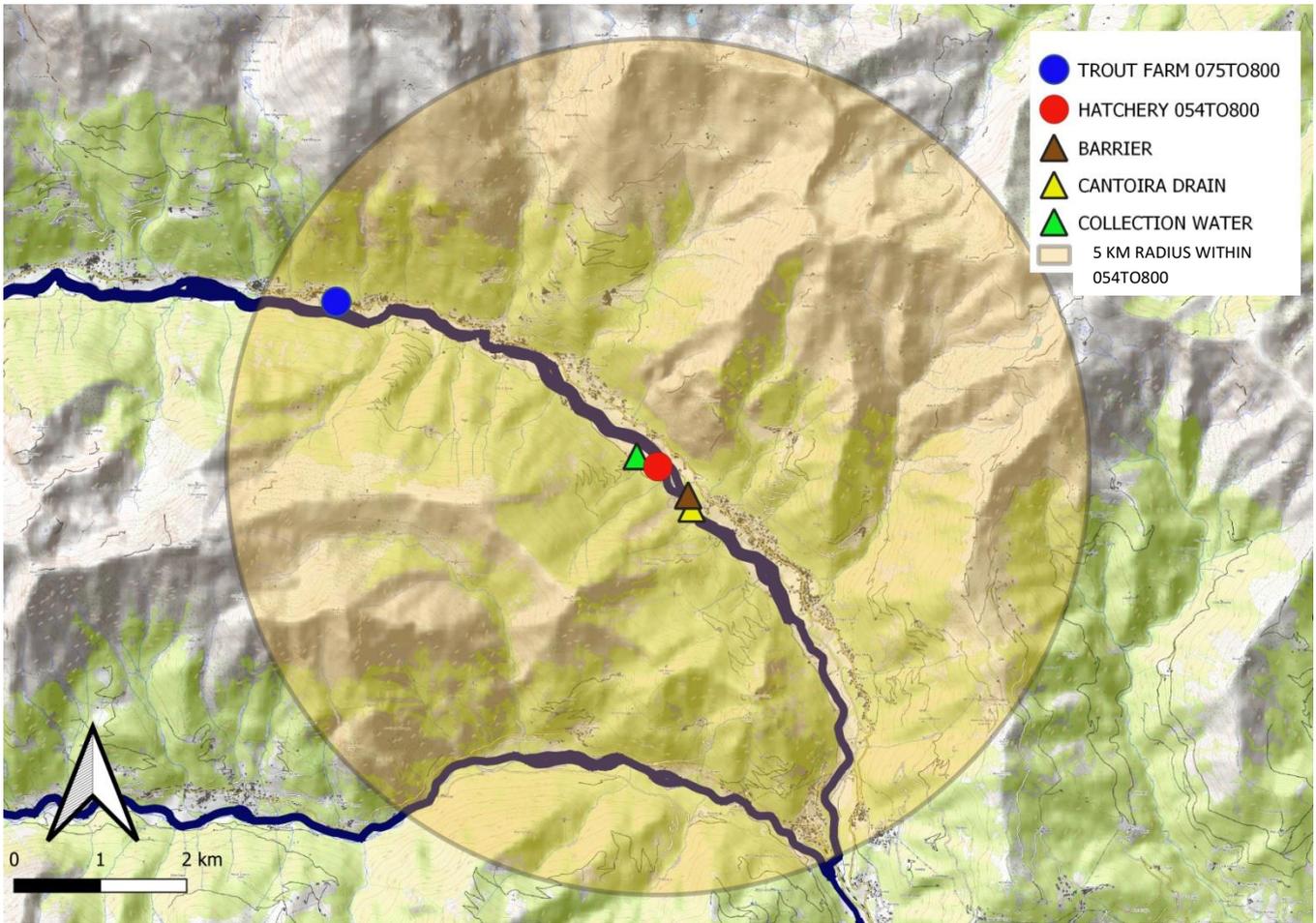
PICTURE 11: Small tanks for egg hatching



PICTURE 12: Round tanks for juveniles housing



Annex 7: Area around the establishment 054TO800 within a radius of 5 Km



Annex 8: Statement confirming that the relevant general criteria in accordance with point (a) of Article 73(1) of that Regulation (for aquatic compartments) are complied with -

STATEMENT

confirming that the relevant general criteria in accordance with point (a) of Article 73(1) of that Regulation (for aquatic compartments) are complied with

I EZIO SANDO' (date and place of birth) TURIN 09/06/1958

Address VIA CIAMARELLA, 10, Municipality: CASELLE TORINESE (Province) -TURIN -Country ITALY

Email address: esano@aslto4.piemonte.it mobile number +39 320 4396613, official veterinarian of the local competent veterinary authority ASLTO4 located in VIA CAVOUR 29 10073 CIRIE' (TURIN)

Legal headquarters: VIA PO 11 -10034 CHIVASSO (TURIN)

declare that,

undersigning this form, in the context of this application for declaration of disease-free status, the general criteria (listed below) reported in the Delegated Regulation (EU) 2020/689 in Article 66(a) (in the case of zones) or Article 73(1)(a) (in the case of compartments) which keep aquaculture animals are complied with.

Delegated regulation 2020/689, art. 73 (1), point a)

1. Disease-free status may only be granted to a compartment keeping aquaculture animals when the following general criteria are complied with:

- the territorial scope complies with point (c) of Article 47(2);
- the surveillance for the disease complies with the requirements laid down in Articles 3(2), 4 and 6 to 9;
- operators comply with obligations as regards biosecurity measures as laid down in Article 10 of Regulation (EU) 2016/429;
- compliance with the disease control measures relevant to the disease in the event of a suspicion or confirmation;
- the establishments of which the compartment is comprised are approved;
- traceability of the animals from the targeted animal population was ensured;
- when moved, the animals from the targeted animal population or products thereof complied with the animal health requirements for movement within the Union or for entry into the Union of those animals and products thereof.

Date_19/12/2022



Signature _____

(Official veterinarian)

REGIONE PIEMONTE A.S.L. TO 4
Servizio Veterinario
U.O.A. Sanità Animale
Dr. Ezio SANDO'