



## State of Utah

SPENCER J. COX  
Governor

DEIDRE M. HENDERSON  
Lieutenant Governor

## Department of Agriculture and Food

CRAIG W. BUTTARS  
Commissioner

KELLY PEHRSON  
Deputy Commissioner

LEANN HUNTING  
Director, Animal Industry

DEAN J. TAYLOR  
State Veterinarian

21 December 2022

Neal Barker, Owner  
Cold Spring Trout Farm  
2284 N. Fruitland Dr.  
N. Ogden, Utah 84414

Subject: Cold Spring Trout Farm Health Approval

Dear Neal,

You requested the Utah Department of Agriculture and Food (UDAF) collect tissue samples from Cold Spring Trout Farm and ship them to Washington Animal Disease Diagnostic Lab (WADDL) for health certification. Tissue samples were collected on 7-14 November 2022.

I received a fish health inspection report from WADDL and have assigned fish health approval number: FHA224811122UT to Cold Spring Trout Farm. This number is valid for the sale of rainbow trout, brown trout, brook trout and tiger trout, through January 07, 2024. Laboratory test results are attached.

Thank you for your valuable assistance with the licensing process.

Please call (801) 982-2200 if you have any questions or if I can be of further assistance.

Best regards,

A handwritten signature in blue ink, appearing to read "Danilo J Franco".

Dr. Danilo J Franco

Field Veterinarian

Utah Department of Agriculture and Food



<b>Testing Lab:</b>	WADDL - Pullman	<b>Client:</b>	Utah Department of Agriculture and Food
<b>Case Coordinator:</b>	Kevin Snekvik, DVM, PhD, DACVP		4315 S 2700 W, TSOB South Bldg, Floor 2
<b>Date Received:</b>	11/08/2022		Taylorsville, UT 84129
<b>Report Date:</b>	12/07/2022	<b>Owner:</b>	Cold Springs Trout Farm
		<b>Veterinarian:</b>	Dea

## FINAL REPORT

### AQUATIC HEALTH

**Test:** Aquatic Aerobic Culture, Health Surveillance

Animals::Specimens	Result
1, Lot 1 :: Kidney :: Inoculated Culture Medium <sup>1</sup>	See Comment
16, Lot 2 :: Kidney :: Inoculated Culture Medium <sup>2</sup>	See Comment
31, Lot 3 :: Kidney :: Inoculated Culture Medium <sup>3</sup>	See Comment
46, Lot 4 :: Kidney :: Inoculated Culture Medium <sup>4</sup>	See Comment

**Footnotes**

- 1:** *Aeromonas salmonicida* and *Yersinia ruckeri* were not detected on any of the samples submitted for Lot 1. Bacterial contaminants are present in less than 20% of the 15 samples submitted. This low degree of contamination results in rapid, reliable laboratory screening for bacterial pathogens.
- 2:** *Aeromonas salmonicida* and *Yersinia ruckeri* were not detected on any of the samples submitted for Lot 2. Bacterial contaminants are present in 20 to 40% of the 15 samples submitted. This contamination level is acceptable for inspection purposes, but reducing contaminant levels would allow for simpler, faster laboratory screening.
- 3:** *Aeromonas salmonicida* and *Yersinia ruckeri* were not detected on any of the samples submitted for Lot 3. Bacterial contaminants are present in less than 20% of the 15 samples submitted. This low degree of contamination results in rapid, reliable laboratory screening for bacterial pathogens.
- 4:** *Aeromonas salmonicida* and *Yersinia ruckeri* were not detected on any of the samples submitted for Lot 4. Bacterial contaminants are present in 20 to 40% of the 15 samples submitted. This contamination level is acceptable for inspection purposes, but reducing contaminant levels would allow for simpler, faster laboratory screening.

**Test:** Renibacterium salmoninarum (BKD) FA



<b>Animals::Specimens</b>	<b>Tissue Type</b>	<b># fish/pool</b>	<b>Result</b>
46, Lot 1 :: Kidney		1	Not Detected
32, Lot 1 :: Kidney		1	Not Detected
33, Lot 1 :: Kidney		1	Not Detected
34, Lot 1 :: Kidney		1	Not Detected
35, Lot 1 :: Kidney		1	Not Detected
36, Lot 1 :: Kidney		1	Not Detected
37, Lot 1 :: Kidney		1	Not Detected
38, Lot 1 :: Kidney		1	Not Detected
39, Lot 1 :: Kidney		1	Not Detected
40, Lot 1 :: Kidney		1	Not Detected
41, Lot 1 :: Kidney		1	Not Detected
42, Lot 1 :: Kidney		1	Not Detected
43, Lot 1 :: Kidney		1	Not Detected
44, Lot 1 :: Kidney		1	Not Detected
45, Lot 1 :: Kidney		1	Not Detected
31, Lot 1 :: Kidney		1	Not Detected
47, Lot 1 :: Kidney		1	Not Detected
48, Lot 1 :: Kidney		1	Not Detected
49, Lot 1 :: Kidney		1	Not Detected
50, Lot 1 :: Kidney		1	Not Detected
51, Lot 1 :: Kidney		1	Not Detected
52, Lot 1 :: Kidney		1	Not Detected
53, Lot 1 :: Kidney		1	Not Detected
54, Lot 1 :: Kidney		1	Not Detected
55, Lot 1 :: Kidney		1	Not Detected
56, Lot 1 :: Kidney		1	Not Detected
57, Lot 1 :: Kidney		1	Not Detected
58, Lot 1 :: Kidney		1	Not Detected
59, Lot 1 :: Kidney		1	Not Detected
60, Lot 1 :: Kidney		1	Not Detected
16, Lot 1 :: Kidney		1	Not Detected
2, Lot 1 :: Kidney		1	Not Detected
3, Lot 1 :: Kidney		1	Not Detected
4, Lot 1 :: Kidney		1	Not Detected



<b>Animals::Specimens</b>	<b>Tissue Type</b>	<b># fish/pool</b>	<b>Result</b>
5, Lot 1 :: Kidney		1	Not Detected
6, Lot 1 :: Kidney		1	Not Detected
7, Lot 1 :: Kidney		1	Not Detected
8, Lot 1 :: Kidney		1	Not Detected
9, Lot 1 :: Kidney		1	Not Detected
10, Lot 1 :: Kidney		1	Not Detected
11, Lot 1 :: Kidney		1	Not Detected
12, Lot 1 :: Kidney		1	Not Detected
13, Lot 1 :: Kidney		1	Not Detected
14, Lot 1 :: Kidney		1	Not Detected
15, Lot 1 :: Kidney		1	Not Detected
1, Lot 1 :: Kidney		1	Not Detected
17, Lot 1 :: Kidney		1	Not Detected
18, Lot 1 :: Kidney		1	Not Detected
19, Lot 1 :: Kidney		1	Not Detected
20, Lot 1 :: Kidney		1	Not Detected
21, Lot 1 :: Kidney		1	Not Detected
22, Lot 1 :: Kidney		1	Not Detected
23, Lot 1 :: Kidney		1	Not Detected
24, Lot 1 :: Kidney		1	Not Detected
25, Lot 1 :: Kidney		1	Not Detected
26, Lot 1 :: Kidney		1	Not Detected
27, Lot 1 :: Kidney		1	Not Detected
28, Lot 1 :: Kidney		1	Not Detected
29, Lot 1 :: Kidney		1	Not Detected
30, Lot 1 :: Kidney		1	Not Detected

**Test:** Myxobolus cerebralis Pepsin Trypsin Digest, Small Head

<b>Animals::Specimens</b>	<b>Tissue type</b>	<b># fish/pool</b>	<b>Result</b>
1, Lot 8 :: head pool	half head	5	Not Detected
2, Lot 8 :: head pool	half head	5	Not Detected
3, Lot 8 :: head pool	half head	5	Not Detected
4, Lot 8 :: head pool	half head	5	Not Detected
5, Lot 8 :: head pool	half head	5	Not Detected
6, Lot 8 :: head pool	half head	5	Not Detected



<b>Animals::Specimens</b>	<b>Tissue type</b>	<b># fish/pool</b>	<b>Result</b>
7, Lot 8 :: head pool	half head	5	Not Detected
8, Lot 8 :: head pool	half head	5	Not Detected
9, Lot 8 :: head pool	half head	5	Not Detected
10, Lot 8 :: head pool	half head	5	Not Detected
11, Lot 8 :: head pool	half head	5	Not Detected
12, Lot 8 :: head pool	half head	5	Not Detected

**Test:** Aquatic Viral Culture (2 cell lines)

<b>Animals::Specimens</b>	<b>Tissue type</b>	<b># fish/pool</b>	<b>Organism</b>	<b>Result</b>
46, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
32, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
33, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
34, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
35, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
36, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
37, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
38, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
39, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
40, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
41, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
42, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
43, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
44, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
45, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
31, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
47, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
48, Lot 4 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
49, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
50, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
51, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
52, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
53, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
54, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
55, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
56, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected



<b>Animals::Specimens</b>	<b>Tissue type</b>	<b># fish/pool</b>	<b>Organism</b>	<b>Result</b>
57, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
58, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
59, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
60, Lot 8 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
16, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
2, Lot 1 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
3, Lot 1 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
4, Lot 1 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
5, Lot 1 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
6, Lot 1 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
7, Lot 1 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
8, Lot 1 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
9, Lot 1 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
10, Lot 1 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
11, Lot 1 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
12, Lot 1 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
13, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
14, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
15, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
1, Lot 1 :: Tissue Pool <sup>5</sup>	Kidney/Spleen	5		CPE Not Detected
17, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
18, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
19, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
20, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
21, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
22, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
23, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
24, Lot 2 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
25, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
26, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
27, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
28, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
29, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
30, Lot 3 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected



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**Footnotes**

- 5:** *Oncorhynchus masou* Virus, Infectious Pancreatic Necrosis Virus, Infectious Hematopoietic Necrosis Virus, Viral Hemorrhagic Septicemia Virus, Epizootic Hematopoietic Necrosis Virus, and Spring Viremia of Carp Virus were not detected on CHSE-214 and EPC cell lines for all samples submitted on this case.

**Test:** Aquatic Aerobic Culture, *Streptococcus iniae*/*Lactococcus garvieae*

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<b>Animals::Specimens</b>	<b>Result</b>
1, Lot 4 :: Kidney :: Inoculated Culture Medium <sup>6</sup>	See Comment
31, Lot 8 :: Kidney :: Inoculated Culture Medium <sup>7</sup>	See Comment

**Footnotes**

- 6:** *Lactococcus garvieae* was not detected on any of the samples submitted for Lot 4. Bacterial contaminants are present in 20 to 40% of the 26 samples submitted. This contamination level is acceptable for inspection purposes, but reducing contaminant levels would allow for simpler, faster laboratory screening.
- 7:** *Lactococcus garvieae* was not detected on any of the samples submitted for Lot 8. Bacterial contaminants are present in less than 20% of the 26 samples submitted. This low degree of contamination results in rapid, reliable laboratory screening for bacterial pathogens.

**Section Comments**

Species:

Lot 1: Brook Trout

Lot 2: Brown Trout

Lot 3: Tiger Trout

Lot 4: Rainbow Trout

Lot 8: Rainbow Trout

**Authorized by:** Dr. Kevin Snekvik, DVM, PhD, DACVP  
Section Head

**Notice:** This report contains information that is confidential and is intended for the use of the individual or entity named on page 1. If you have received this report in error, please notify WADDL staff immediately.

**Laboratory Results Report**

WADDL Numbers W223120014 & W223200014

Fish source Anna Forest and Dean Taylor Utah Department of Agriculture & Food				Address or location of fish source Cold Springs Trout Farm 2284 North Fruitland Drive North Ogden, UT 84414													
Fish Sampled		Sample Dates 07, 14 Nov 2022		Pathogens detected properties consistent with <sup>1</sup>													
Species		Age	Sample size <sup>2,3,4,5</sup>	E H N	I H N	I P N	O M V	S V C	V H S	I S A	A S L	Y E R	R E N	C M S	M Y X	L G A R	
<i>Salvelinus fontinalis</i>		Lot 1	11 mos.	60 k/s	-	-	-	-	-								
				60 k													
				15 c													
<i>Salmo trutta</i>		Lot 2	11 mos.	60 k/s	-	-	-	-	-								
				15 c													
<i>S. fontinalis X S. trutta</i>		Lot 3	11 mos.	60 k/s	-	-	-	-	-								
				15 c													
<i>Oncorhynchus mykiss</i>		Lot 4	7-11 mos.	60 k/s	-	-	-	-	-								
				15 c													
				30 c													
<i>Oncorhynchus mykiss</i>		Lot 8	12+ mos	60 k/s	-	-	-	-	-								
				60 h													
				30 c													

<sup>1</sup>EHN - Epizootic Hematopoietic Necrosis Virus  
<sup>1</sup>IHN - Infectious Hematopoietic Necrosis Virus  
<sup>1</sup>IPN - Infectious Pancreatic Necrosis Virus  
<sup>1</sup>OMV - *Oncorhynchus masou* virus  
<sup>1</sup>SVC - Spring Viremia of Carp  
<sup>1</sup>VHS - Viral Hemorrhagic Septicemia Virus  
<sup>1</sup>ISA - Infectious Salmon Anemia Virus

ASL - *Aeromonas salmonicida*  
YER - *Yersinia ruckeri*  
REN - *Renibacterium salmoninarum*  
CMS - *Ceratomyxa shasta*  
MYX - *Myxobolus cerebralis*  
PRS - *Piscirickettsia salmonis*  
LGAR- *Lactococcus garvieae*

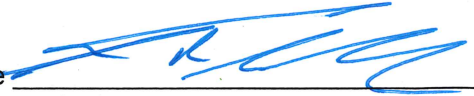
<sup>2</sup>c = culture media  
<sup>3</sup>k/s = kidney/spleen  
<sup>4</sup>h = heads  
<sup>5</sup>ms = mid-sections

\* See summary  
+ Agent detected, properties consistent with  
- Agent not detected  
O No test performed

**Laboratory findings summary:**

No significant pathogens were detected.

Fish at the above facility were inspected in accordance with procedures outlined in the USFWS and AFS-FHS, Standard Procedures for Aquatic Animal Health Inspections. In: Suggested Procedures for the Detection and Identification of Certain Finfish and Shellfish Pathogens. Blue Book Current Online Edition, Fish Health Section, AFS.

Laboratory official's signature   
Kevin R. Snekvik, DVM, PhD, DACVP

Date 07 December 2022





<b>Testing Lab:</b>	WADDL - Pullman	<b>Client:</b>	Utah Department of Agriculture and Food
<b>Case Coordinator:</b>	Kevin Snekvik, DVM, PhD, DACVP		
<b>Date Received:</b>	11/09/2022		4315 S 2700 W, TSOB South Bldg, Floor 2
<b>Report Date:</b>	12/08/2022		Taylorsville, UT 84129
		<b>Owner:</b>	Cold Springs Trout Farm
		<b>Veterinarian:</b>	Dr. Dean Taylor (djtaylor@utah.gov)

## FINAL REPORT

### AQUATIC HEALTH

**Test:** Renibacterium salmoninarum (BKD) FA

Animals::Specimens	Tissue Type	# fish/pool	Result
13, Lot 6 :: Tissue Pool	Ovarian Fluid	5	Not Detected
14, Lot 6 :: Tissue Pool	Ovarian Fluid	5	Not Detected
15, Lot 6 :: Tissue Pool <sup>1</sup>	Ovarian Fluid	5	Suspect
16, Lot 6 :: Tissue Pool	Ovarian Fluid	5	Not Detected
17, Lot 6 :: Tissue Pool	Ovarian Fluid	5	Not Detected
18, Lot 6 :: Tissue Pool	Ovarian Fluid	5	Not Detected
19, Lot 6 :: Tissue Pool	Ovarian Fluid	5	Not Detected
20, Lot 6 :: Tissue Pool	Ovarian Fluid	5	Not Detected
21, Lot 6 :: Tissue Pool	Ovarian Fluid	5	Not Detected
22, Lot 6 :: Tissue Pool	Ovarian Fluid	5	Not Detected
23, Lot 6 :: Tissue Pool	Ovarian Fluid	5	Not Detected
24, Lot 6 :: Tissue Pool <sup>2</sup>	Ovarian Fluid	5	Suspect

**Footnotes**

- 1:** Sample #15 deemed suspect by FA microscopy. Confirmed negative by BB PCR. Cross reactors present.
- 2:** Sample #24 deemed suspect by FA microscopy. Confirmed negative by BB PCR. Cross reactors present.

**Test:** Aquatic Viral Culture (2 cell lines)

Animals::Specimens	Tissue type	# fish/pool	Organism	Result
37, Lot 9 :: Tissue Pool	Whole Fish	5		CPE Not Detected
26, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
27, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
28, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
29, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected



<b>Animals::Specimens</b>	<b>Tissue type</b>	<b># fish/pool</b>	<b>Organism</b>	<b>Result</b>
30, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
31, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
32, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
33, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
34, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
35, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
36, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
25, Lot 7 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
38, Lot 9 :: Tissue Pool	Whole Fish	5		CPE Not Detected
39, Lot 9 :: Tissue Pool	Whole Fish	5		CPE Not Detected
40, Lot 9 :: Tissue Pool	Whole Fish	5		CPE Not Detected
41, Lot 9 :: Tissue Pool	Whole Fish	5		CPE Not Detected
42, Lot 9 :: Tissue Pool	Whole Fish	5		CPE Not Detected
43, Lot 9 :: Tissue Pool	Mid Sections	5		CPE Not Detected
44, Lot 9 :: Tissue Pool	Mid Sections	5		CPE Not Detected
45, Lot 9 :: Tissue Pool	Mid Sections	5		CPE Not Detected
46, Lot 9 :: Tissue Pool	Mid Sections	5		CPE Not Detected
47, Lot 9 :: Tissue Pool	Mid Sections	5		CPE Not Detected
48, Lot 9 :: Tissue Pool	Mid Sections	5		CPE Not Detected
13, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
2, Lot 5 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
3, Lot 5 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
4, Lot 5 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
5, Lot 5 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
6, Lot 5 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
7, Lot 5 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
8, Lot 5 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
9, Lot 5 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
10, Lot 5 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
11, Lot 5 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
12, Lot 5 :: Tissue Pool	Kidney/Spleen	5		CPE Not Detected
1, Lot 5 :: Tissue Pool <sup>3</sup>	Kidney/Spleen	5		CPE Not Detected
14, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
15, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected



<b>Animals::Specimens</b>	<b>Tissue type</b>	<b># fish/pool</b>	<b>Organism</b>	<b>Result</b>
16, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
17, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
18, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
19, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
20, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
21, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
22, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
23, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected
24, Lot 6 :: Tissue Pool	Ovarian Fluid	5		CPE Not Detected

**Footnotes**

**3:** *Oncorhynchus masou* Virus, Infectious Pancreatic Necrosis Virus, Infectious Hematopoietic Necrosis Virus, Viral Hemorrhagic Septicemia Virus, Epizootic Hematopoietic Necrosis Virus, and Spring Viremia of Carp Virus were not detected on CHSE-214 and EPC cell lines for all samples submitted on this case.

**Section Comments**

Species:

Lot 5: Rainbow Trout

Lot 6: Brook Trout

Lot 7: Brown Trout

Lot 9: Rainbow Trout

**Authorized by:** Dr. Kevin Snekvik, DVM, PhD, DACVP  
Section Head

**MOLECULAR DIAGNOSTICS**

**Test:** Renibacterium salmoninarum (BKD) nested PCR, Blue book

<b>Animals::Specimens</b>	<b>Result</b>
15, Lot 6 :: Tissue Pool	Not Detected
24, Lot 6 :: Tissue Pool	Not Detected

**Authorized by:** Dr. Kevin Snekvik, DVM, PhD, DACVP  
Section Head



**Notice:** *This report contains information that is confidential and is intended for the use of the individual or entity named on page 1. If you have received this report in error, please notify WADDL staff immediately.*

**Previous versions of this report**

We have previously issued interim and/or final reports for this accession with the following names:  
preliminary\_report\_W223130002\_2022-12-08\_12-04-24.pdf

**Laboratory Results Report**

WADDL Number W223130002

Fish source Anna Forest and Dean Taylor Utah Department of Agriculture & Food			Address or location of fish source Cold Springs Trout Farm 2284 North Fruitland Drive North Ogden, UT 84414												
Fish sampled	Sample Date 08 Nov. 2022		Pathogens detected properties consistent with <sup>1</sup>												
Species	Age	Sample size <sup>3,5,6</sup>	E H N	I H N	I P N	O M V	S V C	V H S	I S A	A S L	Y E R	R E N	C M S	M Y X	L G A R
<i>Oncorhynchus mykiss</i>	Lot 5	4-12 mos.	60 k/s	-	-	-	-	-	-	-	-	-	-	-	-
<i>Salvelinus fontinalis</i>	Lot 6	12+ mos.	60 ov	-	-	-	-	-	-	-	-	-	-	-	-
<i>Salmo trutta</i>	Lot 7	12+ mos.	60 ov	-	-	-	-	-	-	-	-	-	-	-	-
<i>Oncorhynchus mykiss</i>	Lot 9	1 mo.	30 wf	-	-	-	-	-	-	-	-	-	-	-	-
			30 wf	-	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup>EHN - Epizootic Hematopoietic Necrosis Virus  
IHN - Infectious Hematopoietic Necrosis Virus  
IPN - Infectious Pancreatic Necrosis Virus  
OMV - *Oncorhynchus masou* virus  
SVC - Spring Viremia of Carp  
VHS - Viral Hemorrhagic Septicemia Virus

ASL - *Aeromonas salmonicida*  
YER - *Yersinia ruckeri*  
REN - *Renibacterium salmoninarum*  
CMS - *Ceratomyxa shasta*  
MYX - *Myxobolus cerebralis*  
ISA - Infectious Salmon Anemia Virus  
LGAR - *Lactococcus garvieae*


<sup>2</sup>c = culture media  
<sup>3</sup>k/s = kidney/spleen  
<sup>4</sup>h = heads  
<sup>5</sup>wf = whole fish  
<sup>6</sup>wv = whole viscera  
<sup>7</sup>ov = ovarian fluid

\* See summary  
+ Agent detected, properties consistent with  
- Agent not detected  
O No test performed

Laboratory findings summary:

No significant pathogens were detected.

Fish at the above facility were inspected in accordance with procedures outlined in the USFWS and AFS-FHS, Standard Procedures for Aquatic Animal Health Inspections. In: Suggested Procedures for the Detection and Identification of Certain Finfish and Shellfish Pathogens. Blue Book Current Online Edition, Fish Health Section, AFS.

Laboratory official's signature   
Kevin R. Snekvik, DVM, PhD, DACVP

Date 08 December 2022



<b>Testing Lab:</b>	WADDL - Pullman	<b>Client:</b>	Utah Department of Agriculture and Food
<b>Case Coordinator:</b>	Kevin Snekvik, DVM, PhD, DACVP		Floor 2
<b>Date Received:</b>	11/16/2022		4315 S 2700 W, TSOB South Bldg,
<b>Report Date:</b>	12/07/2022		Floor 2
			Taylorsville, UT 84129
		<b>Owner:</b>	Cold Springs Trout Farm
		<b>Veterinarian:</b>	Dean Taylor

## FINAL REPORT

### AQUATIC HEALTH

**Test:** Aquatic Aerobic Culture, *Streptococcus iniae*/*Lactococcus garvieae*

Animals::Specimens	Result
1, Lot 4 :: Kidney :: Inoculated Culture Medium <sup>1</sup>	See Comment
2, Lot 4 :: Kidney :: Inoculated Culture Medium	Not Detected
3, Lot 4 :: Kidney :: Inoculated Culture Medium	Not Detected
4, Lot 4 :: Kidney :: Inoculated Culture Medium	Not Detected
5, Lot 8 :: Kidney :: Inoculated Culture Medium	See Comment
6, Lot 8 :: Kidney :: Inoculated Culture Medium	Not Detected
7, Lot 8 :: Kidney :: Inoculated Culture Medium	Not Detected
8, Lot 8 :: Kidney :: Inoculated Culture Medium	Not Detected

**Footnotes**

**1:** *Lactococcus garvieae* was not detected on any of the samples submitted from Lot 4 or Lot 8. Bacterial contaminants are present in less than 20% of 8 total samples submitted, 4 each from Lots 4 and 8. This low degree of contamination results in rapid, reliable laboratory screening for bacterial pathogens.

**Section Comments**

Species: Rainbow Trout

**Authorized by:** Dr. Kevin Snekvik, DVM, PhD, DACVP  
 Section Head



**Notice:** *This report contains information that is confidential and is intended for the use of the individual or entity named on page 1. If you have received this report in error, please notify WADDL staff immediately.*

**Laboratory Results Report**

WADDL Numbers W223120014 & W223200014

Fish source Anna Forest and Dean Taylor Utah Department of Agriculture & Food				Address or location of fish source Cold Springs Trout Farm 2284 North Fruitland Drive North Ogden, UT 84414												
Fish Sampled		Sample Dates 07, 14 Nov 2022		Pathogens detected properties consistent with <sup>1</sup>												
Species		Age	Sample size <sup>2,3,4,5</sup>	E H N	I H N	I P N	O M V	S V C	V H S	I S A	A S L	Y E R	R E N	C M S	M Y X	L G A R
<i>Salvelinus fontinalis</i>		Lot 1	11 mos.	60 k/s	-	-	-	-	-							
				60 k												
				15 c												
<i>Salmo trutta</i>		Lot 2	11 mos.	60 k/s	-	-	-	-	-							
				15 c												
<i>S. fontinalis X S. trutta</i>		Lot 3	11 mos.	60 k/s	-	-	-	-	-							
				15 c												
<i>Oncorhynchus mykiss</i>		Lot 4	7-11 mos.	60 k/s	-	-	-	-	-							
				15 c												
				30 c												
<i>Oncorhynchus mykiss</i>		Lot 8	12+ mos	60 k/s	-	-	-	-	-							
				60 h												
				30 c												

<sup>1</sup>EHN - Epizootic Hematopoietic Necrosis Virus  
<sup>1</sup>IHN - Infectious Hematopoietic Necrosis Virus  
<sup>1</sup>IPN - Infectious Pancreatic Necrosis Virus  
<sup>1</sup>OMV - *Oncorhynchus masou* virus  
<sup>1</sup>SVC - Spring Viremia of Carp  
<sup>1</sup>VHS - Viral Hemorrhagic Septicemia Virus  
<sup>1</sup>ISA - Infectious Salmon Anemia Virus

ASL - *Aeromonas salmonicida*  
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MYX - *Myxobolus cerebralis*  
PRS - *Piscirickettsia salmonis*  
LGAR - *Lactococcus garvieae*

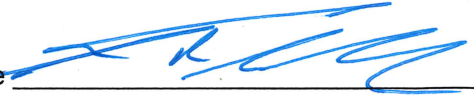
<sup>2</sup>c = culture media  
<sup>3</sup>k/s = kidney/spleen  
<sup>4</sup>h = heads  
<sup>5</sup>ms = mid-sections

\* See summary  
+ Agent detected, properties consistent with  
- Agent not detected  
O No test performed

**Laboratory findings summary:**

No significant pathogens were detected.

Fish at the above facility were inspected in accordance with procedures outlined in the USFWS and AFS-FHS, Standard Procedures for Aquatic Animal Health Inspections. In: Suggested Procedures for the Detection and Identification of Certain Finfish and Shellfish Pathogens. Blue Book Current Online Edition, Fish Health Section, AFS.

Laboratory official's signature   
Kevin R. Snekvik, DVM, PhD, DACVP

Date 07 December 2022