



State of Utah

GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

## Department of Agriculture and Food

LUANN ADAMS  
*Commissioner*

SCOTT ERICKSEN  
*Deputy Commissioner*

CODY JAMES  
*Director of Animal Industry Division*

BARRY PITTMAN, DVM  
*State Veterinarian*

17 December 2018

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

Subject: Cold Springs Trout Farm fish health approval (Log No. 18-340)

Dear Neal,

You requested the Utah Department of Agriculture and Food (UDAF) collect tissue samples from Cold Springs Trout Farm on 13-14 November 2018 and ship them to Washington Animal Disease Diagnostic Lab (WADDL) for health certification. I received fish health inspection report from WADDL and have assigned fish health approval number FHA183401118UT to Cold Springs Trout Farm. This number is valid for the sale of rainbow trout, brown trout, brook trout, and tiger trout through 14 January 2020. Laboratory test results are attached.

Blood samples were collected from rainbow trout, brook trout and brown on 31 August 2018 and sent to the University of Washington Pathology Lab to verify triploidy. The sterility results for Cold Spring Trout Farm's rainbow trout (produced on 12-17-2017), brook trout (produced on 11-25-2017), and brown trout (produced on 12-1-2017) are attached. No diploid fish were detected in the rainbow trout lot. Both the brook and brown trout had one diploid sample out of the sixty samples submitted. All of the tested fish meet the sterility requirements in the Division of Wildlife's Private Fish Ponds, Short Term Fishing Events, Private Fish Stocking, and Institutional Aquaculture rule R657-59-13.

An aquatic invasive species (AIS) inspection was conducted at Cold Spring Trout Farm on November 14, 2018. No New Zealand Mudsnaills, Quagga Mussels or Zebra Mussels were found on the premises.

Thank you for your valuable assistance with the licensing process.

Please call (801) 538-7046 if you have any questions or if I can be of further assistance.

Best regards,

Anna Marie Forest, Manager  
Fish Health Program  
Utah Department of Agriculture and Food



**Laboratory Results Report**

WADDL Number 2018-14337

Fish source Anna Forest 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 14 Nov 2018		Pathogens detected properties consistent with <sup>1</sup>												
Species		Age	Sample size <sup>2,3,4,5,6</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 M B V
<i>Salvelinus fontinalis</i>		Lot 1	2-4 yrs.	60 ov	-	-	-	-	-	-	-	-	-	-	-	-
<i>Salmo trutta</i>		Lot 2	2-4 yrs.	60 ov	-	-	-	-	-	-	-	-	-	-	-	-
<i>Oncorhynchus mykiss</i>		Lot 3	2-4 yrs.	60 ov	-	-	-	-	-	-	-	-	-	-	-	-
<i>Oncorhynchus mykiss</i>		Lot 8	0-3 mos.	60 ms	-	-	-	-	-	-	-	-	-	-	-	-

<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*  
LMBV - Largemouth Bass Virus

<sup>2</sup>c = culture media  
<sup>3</sup>k/s = kidney/spleen  
<sup>4</sup>h = heads  
<sup>5</sup>ms = mid-sections  
<sup>6</sup>ov = ovarian fluid

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

Laboratory findings summary:

Utah Dept. of Ag. Log No. 18-3.

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 2016 Edition, Fish Health Section, AFS.

Laboratory official's signature Jim B. Thompson Date 14 December 2018  
Jim B. Thompson, AFS Fish Health Inspector #106



**Laboratory Results Report**

WADDL Number 2018-14221

Fish source Anna Forest 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 13 Nov 2018		Pathogens detected properties consistent with <sup>1</sup>												
Species		Age	Sample size <sup>2,3,4,5,6</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 M B V
<i>Salvelinus fontinalis</i>		Lot 4	10-11 mos.	60 k/s	-	-	-	-	-	-	-	-	-	-	-	-
				60 k												
<i>Salmo trutta</i>		Lot 5	10-11 mos.	60 k/s	-	-	-	-	-	-	-	-	-	-	-	-
<i>Oncorhynchus mykiss</i>		Lot 6	4-10+ mos.	60 k/s	-	-	-	-	-	-	-	-	-	-	-	-
				60 c												
				60 h												
<i>S. trutta</i> X <i>S. fontinalis</i>		Lot 7	10 mos.	60 k/s	-	-	-	-	-	-	-	-	-	-	-	-

<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*  
LMBV - Largemouth Bass Virus

<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>ov = ovarian fluid

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

Laboratory findings summary:

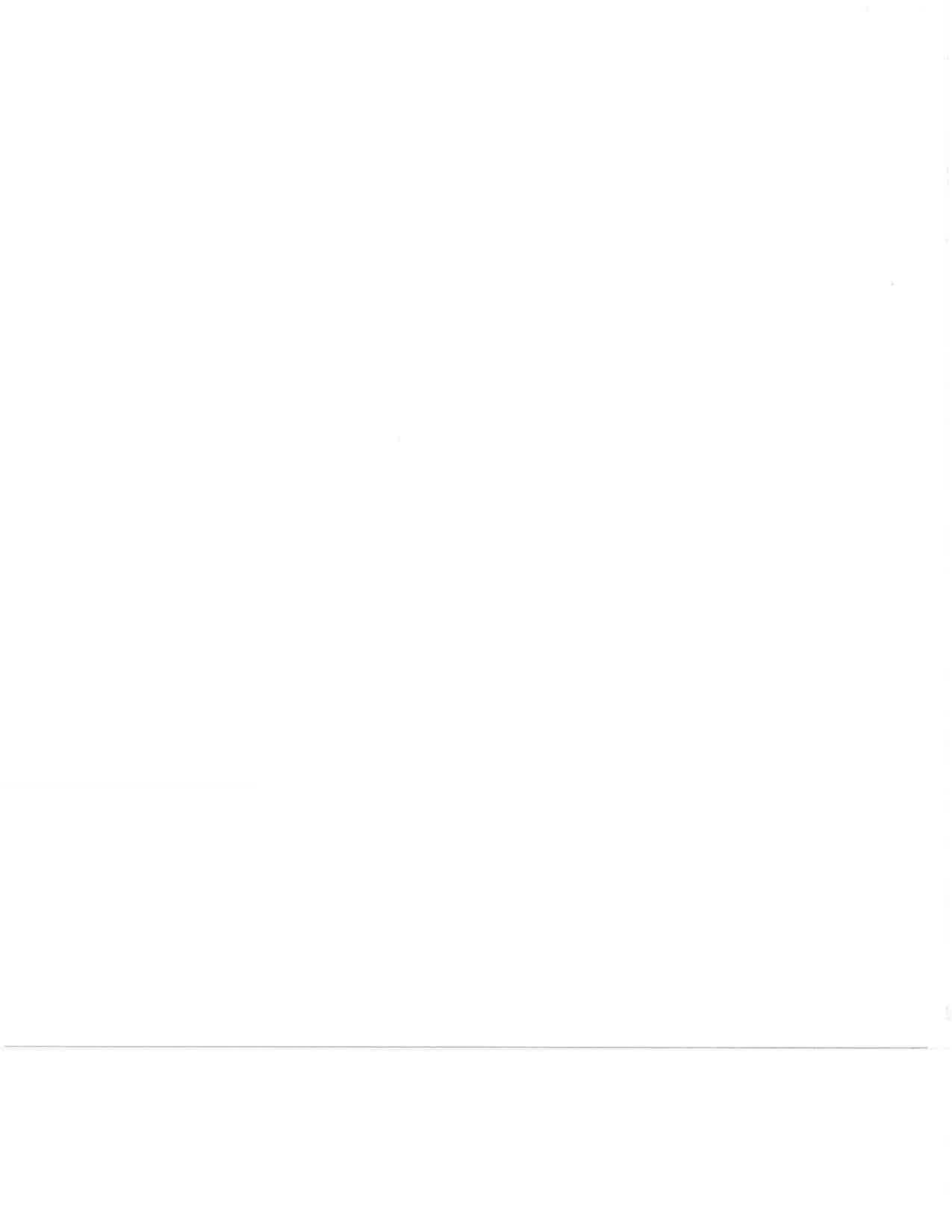
Utah Dept. of Ag. Log No. 18-3.

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 2016 Edition, Fish Health Section, AFS.

Laboratory official's signature Jim B. Thompson  
Jim B. Thompson, AFS Fish Health Inspector #106

Date 13 December 2018



# Washington Animal Disease Diagnostic Lab

P.O. Box 647034  
Pullman, WA 99164-7034  
Telephone : (509) 335-9696  
Fax : (509) 335-7424

Dr. Anna Forest  
Utah State Dept of Agri  
Box 146500  
350 N Redwood Rd. Fl 3  
Salt Lake City, UT 84116

Case#: 2018-14337  
Report Date: 12/14/18  
Reference: 18-3

Submittal Date: 11/16/18  
Owner: Cold Springs Trout Farm

Species:                      Age:  
Other: Fish                   Sex:

## Final Report:

**Aquaculture- Reported on 12/14/18** Authorized by Kevin Snekvik, Section Head

### Aquatic viral culture : SOP-AQUA-24

Animal	Specimen	Result	Isolate
1-Lot 1 BKT 5F Ovarian Fluid	Fluid-Ovary	Negative	
2	Fluid-Ovary	Negative	
3	Fluid-Ovary	Negative	
4	Fluid-Ovary	Negative	
5	Fluid-Ovary	Negative	
6	Fluid-Ovary	Negative	
7	Fluid-Ovary	Negative	
8	Fluid-Ovary	Negative	
9	Fluid-Ovary	Negative	
10	Fluid-Ovary	Negative	
11	Fluid-Ovary	Negative	
12	Fluid-Ovary	Negative	
13-Lot 2 BNT 5F Ovarian Fluid	Fluid-Ovary	Negative	
14	Fluid-Ovary	Negative	
15	Fluid-Ovary	Negative	
16	Fluid-Ovary	Negative	
17	Fluid-Ovary	Negative	
18	Fluid-Ovary	Negative	
19	Fluid-Ovary	Negative	
20	Fluid-Ovary	Negative	
21	Fluid-Ovary	Negative	
22	Fluid-Ovary	Negative	
23	Fluid-Ovary	Negative	
24	Fluid-Ovary	Negative	
25-Lot 3 RBT 5F Ovarian Fluid	Fluid-Ovary	Negative	
26	Fluid-Ovary	Negative	
27	Fluid-Ovary	Negative	
28	Fluid-Ovary	Negative	

## Washington Animal Disease Diagnostic Lab

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### Aquatic viral culture : SOP-AQUA-24

Animal	Specimen	Result	Isolate
29	Fluid-Ovary	Negative	
30	Fluid-Ovary	Negative	
31	Fluid-Ovary	Negative	
32	Fluid-Ovary	Negative	
33	Fluid-Ovary	Negative	
34	Fluid-Ovary	Negative	
35	Fluid-Ovary	Negative	
36	Fluid-Ovary	Negative	
37-Lot 8 RBT 5F mid-sections	Tissue Pool	Negative	
38	Tissue Pool	Negative	
39	Tissue Pool	Negative	
40	Tissue Pool	Negative	
41	Tissue Pool	Negative	
42	Tissue Pool	Negative	
43	Tissue Pool	Negative	
44	Tissue Pool	Negative	
45	Tissue Pool	Negative	
46	Tissue Pool	Negative	
47	Tissue Pool	Negative	
48	Tissue Pool	Negative	

**Aquatic viral culture test comment:** All samples submitted on this case were negative for Oncorhynchus Masou Virus, Infectious Pancreatic Necrosis Virus, Infectious Hematopoietic Necrosis Virus, Viral Hemorrhagic Septicemia Virus, Epizootic Hematopoietic Necrosis Virus, and Spring Viremia of Carp on CHSE-214 & EPC cell lines.



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Dr. Anna Forest  
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Box 146500  
350 N Redwood Rd. Fl 3  
Salt Lake City, UT 84116

Case#: 2018-14221  
Report Date: 12/13/18  
Reference: 18-3

Submittal Date: 11/14/18  
Owner: Cold Springs Trout Farm

Species:  
Other: Fish

Age:  
Sex:

## Final Report:

**Aquaculture- Reported on 12/13/18** Authorized by Kevin Snekvik, Section Head

### Aquatic viral culture : SOP-AQUA-24

Animal	Specimen	Result	Isolate
1-Lot 4 BKT 5F k/s	Tissue Pool	Negative	
2	Tissue Pool	Negative	
3	Tissue Pool	Negative	
4	Tissue Pool	Negative	
5	Tissue Pool	Negative	
6	Tissue Pool	Negative	
7	Tissue Pool	Negative	
8	Tissue Pool	Negative	
9	Tissue Pool	Negative	
10	Tissue Pool	Negative	
11	Tissue Pool	Negative	
12	Tissue Pool	Negative	
13-Lot 5 BNT 5F k/s	Tissue Pool	Negative	
14	Tissue Pool	Negative	
15	Tissue Pool	Negative	
16	Tissue Pool	Negative	
17	Tissue Pool	Negative	
18	Tissue Pool	Negative	
19	Tissue Pool	Negative	
20	Tissue Pool	Negative	
21	Tissue Pool	Negative	
22	Tissue Pool	Negative	
23	Tissue Pool	Negative	
24	Tissue Pool	Negative	
25-Lot 6 RBT 5F k/s	Tissue Pool	Negative	
26	Tissue Pool	Negative	
27	Tissue Pool	Negative	
28	Tissue Pool	Negative	

# Washington Animal Disease Diagnostic Lab

## Aquatic viral culture : SOP-AQUA-24

Animal	Specimen	Result	Isolate
29	Tissue Pool	Negative	
30	Tissue Pool	Negative	
31	Tissue Pool	Negative	
32	Tissue Pool	Negative	
33	Tissue Pool	Negative	
34	Tissue Pool	Negative	
35	Tissue Pool	Negative	
36	Tissue Pool	Negative	
37-Lot 7 TT 5F k/s	Tissue Pool	Negative	
38	Tissue Pool	Negative	
39	Tissue Pool	Negative	
40	Tissue Pool	Negative	
41	Tissue Pool	Negative	
42	Tissue Pool	Negative	
43	Tissue Pool	Negative	
44	Tissue Pool	Negative	
45	Tissue Pool	Negative	
46	Tissue Pool	Negative	
47	Tissue Pool	Negative	
48	Tissue Pool	Negative	

**Aquatic viral culture test comment:** All samples submitted on this case were negative for Oncorhynchus Masou Virus, Infectious Pancreatic Necrosis Virus, Infectious Hematopoietic Necrosis Virus, Viral Hemorrhagic Septicemia Virus, Epizootic Hematopoietic Necrosis Virus, and Spring Viremia of Carp on CHSE-214 & EPC cell lines.

## Previously reported results:

**Aquaculture- Last reported on 12/06/18** Authorized by Kevin Snekvik, Section Head

### Aquatic bacterial screen : SOP-AQUA-31

Animal	Specimen	Result	Isolate
Lot 6 RBT	Culture Medium	See comment.	

**Result Comment:** All samples submitted on this case were negative for *Aeromonas salmonicida* and *Yersinia ruckeri*. Comment:

Bacterial contaminants are present in less than 20% of the 60 samples submitted. This low degree of contamination results in rapid, reliable laboratory screening for bacterial pathogens.

### BKD FA : SOP-AQUA-40

Animal	Specimen	Result
1-Lot 4 BKT Individual Kidney	Kidney	Negative
2	Kidney	Negative
3	Kidney	Negative
4	Kidney	Negative

## Washington Animal Disease Diagnostic Lab

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### BKD FA : SOP-AQUA-40

Animal	Specimen	Result
5	Kidney	Negative
6	Kidney	Negative
7	Kidney	Negative
8	Kidney	Negative
9	Kidney	Negative
10	Kidney	Negative
11	Kidney	Negative
12	Kidney	Negative
13	Kidney	Negative
14	Kidney	Negative
15	Kidney	Negative
16	Kidney	Negative
17	Kidney	Negative
18	Kidney	Negative
19	Kidney	Negative
20	Kidney	Negative
21	Kidney	Negative
22	Kidney	Negative
23	Kidney	Negative
24	Kidney	Negative
25	Kidney	Negative
26	Kidney	Negative
27	Kidney	Negative
28	Kidney	Negative
29	Kidney	Negative
30	Kidney	Negative
31	Kidney	Negative
32	Kidney	Negative
33	Kidney	Negative
34	Kidney	Negative
35	Kidney	Negative
36	Kidney	Negative
37	Kidney	Negative
38	Kidney	Negative
39	Kidney	Negative
40	Kidney	Negative
41	Kidney	Negative
42	Kidney	Negative
43	Kidney	Negative
44	Kidney	Negative
45	Kidney	Negative
46	Kidney	Negative
47	Kidney	Negative
48	Kidney	Negative
49	Kidney	Negative
50	Kidney	Negative
51	Kidney	Negative
52	Kidney	Negative
53	Kidney	Negative
54	Kidney	Negative
55	Kidney	Negative
56	Kidney	Negative

## Washington Animal Disease Diagnostic Lab

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### BKD FA : SOP-AQUA-40

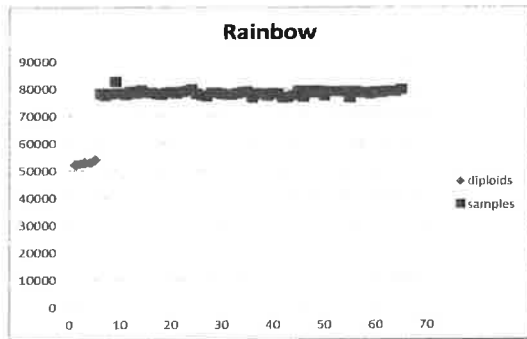
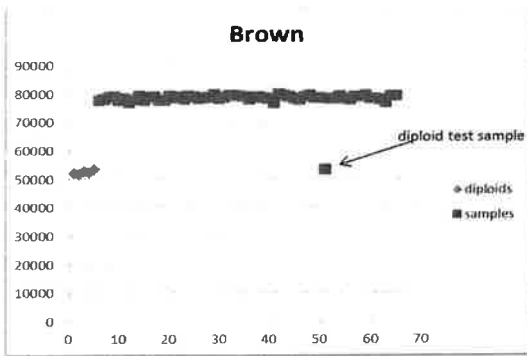
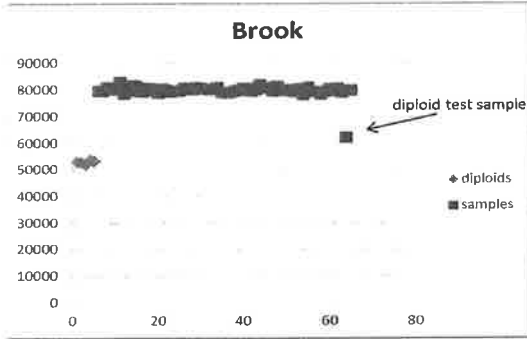
Animal	Specimen	Result
57	Kidney	Negative
58	Kidney	Negative
59	Kidney	Negative
60	Kidney	Negative

### M. cerebralis digest : SOP-AQUA-29

Animal	Specimen	Result
1-Lot 6 RBT 5F Heads	Head pool	Negative by digest.
2	Head pool	Negative by digest.
3	Head pool	Negative by digest.
4	Head pool	Negative by digest.
5	Head pool	Negative by digest.
6	Head pool	Negative by digest.
7	Head pool	Negative by digest.
8	Head pool	Negative by digest.
9	Head pool	Negative by digest.
10	Head pool	Negative by digest.
11	Head pool	Negative by digest.
12	Head pool	Negative by digest.

**2 August 2018**  
**Cold Spring Farm, sampled on 8/1/2018**  
**Blood samples analysed at Department of Pathology Flow Cytometry Center**  
**University of Washington, Seattle WA**

	triploid	not triploid
Brook	59	1
Brown	59	1
Rainbow	60	0



controls in blue

diploid samples in pink

Brook	
sample name	G1 MEAN
diploid-1	52925
diploid-2	52611
diploid-3	51856
diploid-4	53696
diploid-5	53249
1	79694
2	79587
3	81124
4	80187
5	81044
6	83171
7	78629
8	79685
9	81725
10	81154
11	79391
12	79645
13	80748
14	80222
15	79066
16	80571
17	79983
18	79406
19	79808
20	79764
21	80713
22	80345
23	80161
24	80885
25	80650
26	80580
27	80244
28	80147
29	81107
30	79165
31	79067
32	79196
33	79825
34	80000
35	80796
36	80653
37	79755
38	80168
39	82118
40	80697
41	80940
42	79612
43	81643
44	80098
45	80168
46	79745
47	79445
48	80459
49	78277
50	80890
51	79563
52	79490
53	78454
54	79416
55	80573
56	79720
57	80690
58	79114
59	62138
60	80024

Brown	
sample name	G1 MEAN
diploid-1	51845
diploid-2	51641
diploid-3	52377
diploid-4	52115
diploid-5	53108
1	77692
2	78093
3	78782
4	79146
5	77727
6	78336
7	77003
8	77971
9	79169
10	77756
11	78754
12	79099
13	77612
14	77644
15	79315
16	78628
17	78932
18	78111
19	79367
20	79022
21	78289
22	78576
23	78701
24	79685
25	78243
26	78828
27	79478
28	79388
29	79360
30	79111
31	78098
32	78864
33	78993
34	78501
35	78426
36	76767
37	80011
38	79430
39	78967
40	78370
41	77905
42	79113
43	79437
44	78616
45	78680
46	53357
47	78456
48	78333
49	79218
50	78301
51	77905
52	79025
53	78977
54	79435
55	78468
56	78329
57	77865
58	76994
59	79377
60	79297

Rainbow	
sample name	G1 MEAN
diploid-1	52133
diploid-2	52573
diploid-3	52779
diploid-4	52778
diploid-5	53876
1	78060
2	77330
3	78106
4	82578
5	78298
6	77826
7	78819
8	78165
9	79261
10	78503
11	78384
12	78025
13	77705
14	78483
15	78638
16	78328
17	78930
18	79088
19	79827
20	77976
21	77650
22	77044
23	78350
24	78387
25	77896
26	77778
27	77787
28	78271
29	78661
30	78974
31	76669
32	78308
33	77952
34	77387
35	78119
36	77920
37	76529
38	76839
39	77471
40	79204
41	76945
42	79248
43	78481
44	79068
45	77270
46	78837
47	79024
48	78919
49	78977
50	76694
51	78809
52	78555
53	78516
54	77995
55	78656
56	78554
57	78898
58	78948
59	79025
60	79705

