

# Fish Health Inspection Report

**Company:** Blackwater Creek Koi Farms  
**Facility :** Eustis Facility  
**Location:** 30540 State Rd FL44  
 Eustis, FL 32736  
 US

**Site Manager:** Joe Pawlak  
**Phone:** (352) 357-4563  
**Water Source:** Spring (Protected)  
**Water Treatment:** None

**Current Inspection:** 09-Nov-16 **Prior Inspections:** 21-Mar-16  
 02-Dec-15  
 12-Feb-15  
 06-Nov-14

**Type of Fish Examined:** Farm

**Lab Accession:** M16111004

Species	Lot ID	Age	Number in Lot	Eggs (E) or Fish (F) Origin	Sample Date(s)	*Pathogens - Methods and Results													
						Virus									Parasite				
						OMV	EHN	IHN	IPNV	ISAV	KHV	RSIV	SVCV	VHSV	SAV	AI	GS	CS	MC
<i>Cyprinus carpio koi</i> koi	M16-770	<12 mo	76,000	(E) Blackwater Creek Koi Farms (FL)	09-Nov-16				P24B		P94B		P42B	P42B		D			
									140		140		140	140		140			
									neg		neg		neg	neg		neg			
<i>Carassius auratus</i> goldfish	M16-771	<12 mo	2,000	(E) Blackwater Creek Koi Farms (FL)	09-Nov-16				P24B		P9B		P42B	P42B		D			
									35		35		35	35		35			
									neg		neg		neg	neg		neg			

Notes: \* See other side of sheet for explanations of Pathogens - Methods and Results coding  
 All lots were tested according to World Organization for Animal Health (OIE) " Manual of Diagnostic Tests for Aquatic Animals " (2014) and/or equivalent protocols.\*\*COLLECTION AND TESTING WAS CONDUCTED TO MEET CURRENT IMPORT REQUIREMENTS FOR CANADA.\*\*

**Samples Collected By:** Kathleen Hartman , DVM  
**Affiliation:** USDA, APHIS, VS  
**Telephone:** (813) 477-7019  
**Client Reference #:**  
**Inspecting Biologist:** *William Keleher*  
 William R. Keleher, Jr., Fish Health Inspector

# FOOTNOTES:

## **PATHOGEN ABBREVIATIONS**

OMV	Oncorhynchus Masou virus
EHNV	Epizootic Hematopoietic Necrosis virus
IHNV	Infectious Hematopoietic Necrosis virus
IPNV	Infectious Pancreatic Necrosis virus
ISAV	Infectious Salmon Anemia virus
KHV	Koi Herpes virus
RSIV	Red Sea Bream iridovirus
SVCV	Spring Viremia of Carp virus
VHSV	Viral Hemorrhagic Septicemia virus
SAV	Salmonid Alphavirus
AI	Epizootic ulcerative syndrome
GS	Gyrodactylus salaris
MC	Myxobolus cerebralis

In lots of fish less than one year of age, the age is listed in arabic numerals followed by mo. for month; for fish older than one year, the age is expressed in arabic numerals followed by a plus sign to indicate "older than".

Findings are reported in columns from top to bottom for each lot as follows: number of fish examined; methods used; results. Positive results include the number of positive individuals (or pools).

**RESULTS ARE REPORTED AS (-) IF NEGATIVE AND AS # +/- # SAMPLED IF POSITIVE.**

**FOR BKD, APPROXIMATE LEVELS OF INFECTION ARE ALSO REPORTED (e.g., 10/ 50 fields)**

## **VIRAL PATHOGENS:**

### **First letter = sampling method**

A = whole fry homogenates(minus head, tail, yolk sac if present)  
B = whole visceral homogenates  
C = kidney/spleen  
D = ovarian fluids  
E = kidney/spleen/heart  
F = kidney/spleen/liver  
G = kidney/spleen/heart/liver/pyloric caeca/gill  
H = kidney/spleen/swim bladder  
I = kidney/spleen/heart/liver  
J = brain/eye  
K = kidney/spleen/pyloric caeca/gill  
L = kidney/spleen/heart/swim bladder  
M= kidney/spleen/liver/swim bladder  
N = kidney/spleen/heart/liver/swim bladder  
O = kidney/spleen/heart/pyloric caeca/gill  
P = kidney/spleen/heart/liver/gill  
Q = kidney/spleen/heart/gill  
R = kidney/heart  
S = whole animal

### **Numbers = continuous cell lines used**

1 = GF-1 (grunt fin)  
2 = CHSE-214 (chinook salmon embryo)  
3 = FHM (fathead minnow)  
4 = EPC (epithelioma papillosum cyprini)  
5 = BF-2 (bluegill fry)  
6 = CCO (Channel Catfish ovary )  
7 = ASK (atlantic salmon kidney)  
8 = SSN-1 (striped snake head )  
9 = KF-1 (koi fin)  
10 = GF1 (grouper fin)

### **Pooling of samples**

A = individual fish  
B = five fish pools  
C = sixty fish pools  
D = Other\_\_\_\_\_

### **Confirmatory diagnosis -**

#### **Last letter**

H = slide agglutination  
I = direct fluorescent antibody test  
J = indirect fluorescent antibody test  
K = ELISA  
L = immunodot  
M = fluorescent immunoassay  
N = PCR

## **PARASITIC PATHOGENS**

### **Encoded as follows:**

A =digestion method  
B = plankton centrifuge method  
C = examination of stained smear  
D = gross examination  
E = PCR  
F = microscopic examination