



Arkansas Department of Agriculture Aquaculture Laboratory

Final Fish Inspection Testing Report: 24-AQ110

1 Natural Resources Drive, Little Rock, AR 72205 Phone: 501-823-1730

International Report – Canada, Europe

Sampling Date: December 3, 2024
Processing Date: December 4, 2024
Verification Date: December 30, 2024
Inspection Report Date: January 6, 2025

Production Facility Name: Osage Catfisheries
Contact: Steve Kahrs
Address: 1170 Nichols Rd., Osage Beach,
 MO 65065
Phone: (573) 348-2305

Sample Collector: Dr. Jerry Taylor, DVM, P.O. Box 860, Richland, MO 65556, (573)765-3011.

APHIS-AVIC: Dr. Terry Gosch, 1715 Southridge Dr., Jefferson City, MO 65109, 573-658-9850.

Testing performed: VHSV, SVCV, IPNV, and IHNV, on FHM and BF-2 cells on all fish species; RSIV on GF cells (*Micropterus* and *Morone* species); KHV using qPCR (goldfish and Koi/Carp); observation for signs of EUS on fish. *Key for all abbreviations on the back.*

Fish species	# of samples	Size (cm)	Results from testing performed
FHM	175	3.1-4.0	Specific pathogens listed were not detected or observed
RE	60	7.4-8.7	Specific pathogens listed were not detected or observed
CCF	60	8.7-10.5	Specific pathogens listed were not detected or observed
BCF	60	8.6-13.5	Specific pathogens listed were not detected or observed
LMB	60	6.6-8.4	Specific pathogens listed were not detected or observed
BC	60	9.0-10.5	Specific pathogens listed were not detected or observed
BG	60	5.3-10.8	Specific pathogens listed were not detected or observed
GRS	60	7.4-10.2	Specific pathogens listed were not detected or observed
BGXGRS	60	7.0-13.3	Specific pathogens listed were not detected or observed

Comments: Testing performed according to APHIS-Approved Protocols, WOAHP regulations, and Bluebook standards. Osage Catfisheries has been fish health tested annually and/or semi-annually for viruses (at least 150 fish per inspection) in 2024, 2023, 2022, and 2021. The fish appear healthy and in good condition with no evidence of disease.

Nilima N. Renukdas

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Arkansas Department of Agriculture Aquaculture Laboratory

Final Fish Inspection Testing Report: 24-AQ111

1 Natural Resources Drive, Little Rock, AR 72205 Phone: 501-823-1730

Standard Report

Sampling Date: December 3, 2024
Processing Date: December 4, 2024
Verification Date: December 30, 2024
Inspection Report Date: January 6, 2025

Production Facility Name: Osage Catfisheries Inc.
 Bagnell Farms
Contact: Steve Kahrs
Address: 63 HWY V, Eldon, MO 65026
Phone: (573) 348-2305

Sample Collector: Dr. Jerry Taylor, DVM, P.O. Box 860, Richland, MO 65556, (573)765-3011.

APHIS-AVIC: Dr. Terry Gosch, 1715 Southridge Dr., Jefferson City, MO 65109, 573-658-9850.

Testing performed on all fish species: VHSV, SVCV, IHN, and IPNV on FHM and BF-2 cells; BF and ERM on BHI agar; observation for signs of HS.

Other testing performed depending on fish species: LMBV on FHM cells (centrarchids), CCV on CCO cells (Ictalurids), ESC on BHI agar (Ictalurids), STC on BHI-blood agar (tilapia species); *Key for all abbreviations on the back.*

Fish species	# of samples	Size (cm)	Results from testing performed
CAP	150	2.6-9.2	Specific pathogens listed were not detected or observed

Comments: Testing performed according to APHIS-Approved Protocols, WOA regulations, Bluebook standards, and Arkansas regulations. Bagnell Farms has been fish health tested annually and/or semi-annually for viruses (at least 150 fish per inspection) in 2024, 2023, 2022, and 2021. The fish appear healthy and in good condition with no evidence of disease.

Nilima N. Renukdas

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Key to abbreviations – International

Viruses

VHSV – Viral Hemorrhagic Septicemia Virus
 SVCV – Spring Viremia of Carp Virus
 IHNV – Infectious Hematopoietic Necrosis Virus
 IPNV – Infectious Pancreatic Necrosis Virus
 RSIV – Red Sea Bream Iridovirus
 KHV – Koi Herpes Virus

Parasites

EUS – Epizootic Ulcerative Syndrome (*Aphanomyces* spp.)

Detection tests

FHM – Fathead minnow cells (cell line used to grow viruses - sensitive to VHSV, SVCV and IHNV from various fish species)
 BF-2 – Bluegill fin -2 cells (used to grow viruses – sensitive to VHSV and IPNV from various fish species)
 GF – Grunt fin cells (used to grow virus – sensitive to RSIV and tested from *Micropterus* spp. and *Morone* spp. for Canada)
 qPCR – quantitative Polymerase Chain Reaction (specific DNA sequence test for KHV in goldfish and common carp varieties)
 BHI – Brain heart Infusion agar (used to grow bacteria that cause – BF, ERM, and ESC from various fish species), BHI with blood (used to grow *Streptococcus* spp. from Tilapia species)

Fish species					
GS	Golden shiner	<i>Notemigonus crysoleucas</i>	LMB	largemouth bass	<i>Micropterus salmoides</i>
FHM	fathead minnow	<i>Pimephales promelas</i>	SMB	smallmouth bass	<i>Micropterus dolomieu</i>
GF	goldfish	<i>Carassius auratus</i>	YP	yellow perch	<i>Perca flavescens</i>
Koi or CAP	koi/common carp	<i>Cyprinus carpio</i>	WE	Walleye	<i>Sander vitreus</i>
GC	grass carp	<i>Ctenopharyngodon idella</i>	CCF	Channel catfish	<i>Ictalurus punctatus</i>
BG	bluegill	<i>Lepomis macrochirus</i>	CCFxBCF	hybrid catfish	<i>Ictalurus punctatus</i> x <i>Ictalurus furcatus</i>
RE	reдеar	<i>Lepomis microlophus</i>	BRB	Brown bullhead	<i>Ameiurus nebulosus</i>
RExBG	hybrid reдеar	<i>Lepomis microlophus</i> x <i>Lepomis macrochirus</i>	STB	striped bass	<i>Morone saxatilis</i>
GRS	green sunfish	<i>Lepomis cyanellus</i>	WB	white bass	<i>Morone chrysops</i>
BGxGRS	hybrid bluegill	<i>Lepomis macrochirus</i> x <i>Lepomis cyanellus</i>	WBxSTB	Hybrid striped bass	<i>Morone chrysops</i> x <i>Morone saxatilis</i>
PSS	Pumpkin seed sunfish	<i>Lepomis gibbosus</i>	TIL	Tilapia	<i>Oreochromis</i> spp.
BC	black crappie	<i>Pomoxis nigromaculatus</i>	PFE	Paddle fish eggs	<i>Polydon spathula</i>
WC	white crappie	<i>Pomoxis annularis</i>	GAM	Gambusia	<i>Gambusia affinis</i>
BCxWC	hybrid crappie	<i>Pomoxis nigromaculatus</i> x <i>Pomoxis annularis</i>	ES	Emerald shiner	<i>Notropis atherinoides</i>
ESM	Eastern Silvery Minnow	<i>Hybognathus regius</i>			

End of the report