



Arkansas Department of Agriculture

Aquaculture Laboratory

Final Fish Inspection Testing Report: 25-AQ108

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

Standard Report

Sampling Date: December 2, 2025

Processing Date: December 3, 2025

Verification Date: December 22, 2025

Inspection Report Date: January 2, 2026

Production Facility Name: Osage Catfisheries

Contact: Steve Kahrs

Address: 1170 Nichols Rd., Osage Beach,
MO 65065

Phone: (573) 348-2305

Sample Collector: Dr. Travis Inman, DVM, Valeo Veterinary LLC, 4219 Pogue Hollow, Osage Beach, MO 65065, 573-200-6370.

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

Testing performed on all fish species: VHSV, SVCV, IHNV, 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
FHM	175	3.5-5.0	Specific pathogens listed were not detected or observed
RE	60	6.1-7.4	Specific pathogens listed were not detected or observed
CCF	60	4.9-11.2	Specific pathogens listed were not detected or observed
BCF	60	15.0-17.9	Specific pathogens listed were not detected or observed
LMB	60	6.5-8.6	Specific pathogens listed were not detected or observed
BC	60	6.3-9.6	Specific pathogens listed were not detected or observed
BG	60	5.0-7.0	Specific pathogens listed were not detected or observed
GRS	60	6.4-10.3	Specific pathogens listed were not detected or observed
BGXGRS	60	4.2-6.3	Specific pathogens listed were not detected or observed

Comments: Testing performed according to APHIS-Approved Protocols, WOAH 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 2025, 2024, 2023, 2022, and 2021. The fish appear healthy and in good condition with no evidence of disease.

Nilima N. Renukdas

Nilima N. Renukdas, Ph.D., AFS/FHS Fish Health Inspector
Email: nilima.renukdas@agriculture.arkansas.gov



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California, Maryland, Michigan, New Jersey, and Vermont

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Testing performed on all fish species: VHSV, SVCV, IHNV, and IPNV on FHM and BF-2 cells, and any other virus, including GSV and FHMNV, causing CPE on cell lines will be identified and reported; 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), KHV using qPCR (Koi/Carp); ESC on BHI agar (Ictalurids), STC on BHI-blood agar (tilapia species); AT by examination of the intestinal tract (cyprinids). *Key for all abbreviations on the back.*

Fish species	# of samples	Size (cm)	Results from testing performed
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BGXGRS	60	4.2-6.3	Specific pathogens listed were not detected or observed

Comments: Testing performed according to APHIS-Approved Protocols, WOAH regulations, and Bluebook standards. CPE was not observed in any cell line used to test for viruses. Osage Catfisheries have been fish health tested annually and /or semi-annually for viruses (at least 150 fish per inspection) in 2025, 2024, 2023, 2022, and 2021. The fish appear healthy and in good condition with no evidence of disease.

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Key to abbreviations

Viruses

VHSV – Viral Hemorrhagic Septicemia Virus
SVCV – Spring Viremia of Carp Virus
IHNV – Infectious Hematopoietic Necrosis Virus
IPNV – Infectious Pancreatic Necrosis Virus
CCV – Channel Catfish Virus
LMBV – Largemouth bass virus

Bacteria

BF – Bacterial Furunculosis (*Aeromonas salmonicida*)
ERM – Enteric Redmouth (*Yersinia ruckeri*)
ESC – Enteric Septicemia of Catfish (*Edwardsiella ictaluri*)
STC – Streptococcus spp.

Parasites

HS – Heteroplasmosis (*Heteroplasia* 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)
CCO – Channel catfish ovary cells (used to grow virus – sensitive to CCV from Ictalurid species)
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 STC 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 x Ictalurus furcatus</i>
RE	redear	<i>Lepomis microlophus</i>	BRB	Brown bullhead	<i>Ameiurus nebulosus</i>
RExBG	hybrid redear	<i>Lepomis microlophus x 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 x Lepomis cyanellus</i>	WBxSTB	Hybrid striped bass	<i>Morone chrysops x Morone saxatilis</i>
PSS	Pumpkin seed sunfish	<i>Lepomis gibbosus</i>	TIL	Tilapia	<i>Oreochromis spp.</i>
BC	black crappie	<i>Pomoxis nigromaculatus</i>	PFE	Paddle fish eggs	<i>Polydor spathula</i>
WC	white crappie	<i>Pomoxis annularis</i>	GAM	Gambusia	<i>Gambusia affinis</i>
BCxWC	hybrid crappie	<i>Pomoxis nigromaculatus x Pomoxis annularis</i>	ES	Emerald shiner	<i>Notropis atherinoides</i>
ESM	Eastern Silvery Minnow	<i>Hybognathus regius</i>			

End of the report