



# Arkansas Department of Agriculture Aquaculture Laboratory

## Fish Inspection Testing Report: 21-AQ105

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

### Standard Report

**Sampling Date:** November 30, 2021

**Processing Date:** December 1, 2021

**Inspection Report Date:** January 5, 2022

**Production Facility Name:** Osage Catfisheries.

**Contact:** Pete 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. David Hopson, 1442 Aaron Ct, Jefferson City, MO 65101, (573) 636-3116

**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 back.*

Fish species	# of samples	Size (cm)	Results from testing performed
BG	60	5.2-10.2	Specific pathogens listed were not detected or observed
RE	60	6.0-8.0	Specific pathogens listed were not detected or observed
CCF	60	7.8-11.0	Specific pathogens listed were not detected or observed
BCF	60	8.4-15.0	Specific pathogens listed were not detected or observed
LMB	60	6.0-8.0	Specific pathogens listed were not detected or observed
BC	60	5.6-8.1	Specific pathogens listed were not detected or observed
FHM	60	4.5-6.1	Specific pathogens listed were not detected or observed
GRS	60	6.0-10.5	Specific pathogens listed were not detected or observed
BGXGRS	60	8.0-12.1	Specific pathogens listed were not detected or observed

**Comments:** Testing performed according to APHIS-Approved Protocols, OIE regulations, and Bluebook standards. Osage Catfisheries has been fish health tested annually and /or semi-annually for viruses (at least 150 fish per inspection) for more than 10 years. 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 – Heterosporosis (*Heterosporis* 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	reдеar	<i>Lepomis microlophus</i>	BRB	Brown bullhead	<i>Ameiurus nebulosus</i>
RExBG	hybrid reдеar	<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</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 x Pomoxis annularis</i>	ES	Emerald shiner	<i>Notropis atherinoides</i>
ESM	Eastern Silvery Minnow	<i>Hybognathus regius</i>			