



**TOURISM, ARTS AND HERITAGE CABINET  
KENTUCKY DEPARTMENT OF FISH & WILDLIFE RESOURCES**

**Andy Beshear**  
Governor

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**Mike Berry**  
Secretary

**Rich Storm**  
Commissioner

Dec 13, 2019

Mr. Mike Piccirilli, Chief  
United States Fish and Wildlife Service  
Division of Federal Assistance  
1875 Century Blvd.  
Atlanta, GA. 30345

ATTN: Mr. Jim Duffy

RE: Annual Performance Report for the Kentucky Department  
of Fish and Wildlife Resources FW-3-42 (FBMS:  
F18AF01094).

Dear Mr. Piccirilli,

Attached, please find a copy of the annual performance report for the Kentucky Department of Fish and Wildlife Resources' joint Wildlife/Sport Fish Restoration project F18AF01094. Final expenditures will be detailed in the forthcoming SF-425.

Please feel free to contact me if you have any questions, comments, or concerns regarding this project or this final performance report. You may contact me at (502) 892-4461 or by email at [paul.wilkes@ky.gov](mailto:paul.wilkes@ky.gov).

Sincerely,

A handwritten signature in blue ink that reads "Paul Wilkes".

Paul A. Wilkes  
Acting Director – Fisheries Division

**COMMONWEALTH OF KENTUCKY**  
**Kentucky Department of Fish & Wildlife Resources**

**Date: December 13, 2019**

**Federal Aid Grant No. FW-3, Segment 42**  
**Period: October 1, 2018 – September 30, 2019**



**ANNUAL PERFORMANCE REPORT**  
**for**  
**STATEWIDE ENVIRONMENTAL GRANT**

**Branch Manager:** Mike Hardin, Assistant Director Division of Fisheries  
**Project Leader:** Doug Dawson, Environmental Scientist Consultant  
**Asst. Project Leader:** Dan Stoelb, Environmental Scientist V

## Annual Performance Report

STATE: Kentucky

GRANT: FW-3-42

GRANT TITLE: Statewide Fisheries Coordination

GRANT AGREEMENT PERIOD: October 1, 2018 – September 30, 2019

### Project 1: Fish Kills and Pollution Investigation

*Project Objective:* To investigate fish kills and document pollution incidents, assist with legal work involved in those cases, coordinate the data with other state and federal agencies, and work with other state and federal agencies to develop regulations for the protection of water quality.

#### A. ACTIVITY

Environmental staff investigated several fish kill and pollution events/cases. For each event, legal records were maintained concerning their occurrence and pertinent information was reported to the proper regulatory agencies. Environmental staff assisted with legal details concerning pollution incidents and coordinated with other state and federal agencies whenever necessary. Environmental staff also documented fish disease incidents and coordinated with various universities whenever Department personnel were not able to accurately identify the causative agent or control measures.

Please see the accompanying report for a detailed list of all fish kills, pollution investigations, and fish disease incidents occurring within the grant period.

#### B. LOCATION

All activities were coordinated out of the headquarters office of the Kentucky Department of Fish and Wildlife Resources located at #1 Sportsman's Lane, Frankfort, KY. 40601. Actual fish kills and pollution investigations may have occurred on a statewide basis and were investigated accordingly.

#### C. TARGET DATES FOR ACHIEVEMENT AND ACCOMPLISHMENTS

Planned Achievements Date:	September 30, 2019
Work Accomplished:	September 30, 2019

#### D. SIGNIFICANT DEVIATIONS

None.

#### E. REMARKS

None.

#### F. RECOMMENDATIONS

None. Please close this segment (#42) of FW-3 upon receipt and acceptance of this annual performance report and the forthcoming SF-425.

G. COST

Accurate estimates of project and/or grant level costs are not currently available for inclusion into this Annual Performance Report. Final project and/or grant level costs will be provided in the forthcoming SF-425.

Project 2: Technical Guidance

*Project Objective:* To provide advice to improve environmental conditions, protect and/or create habitat, and manage fish and wildlife populations and habitat for increased production or for public utilization of the resources.

A. ACTIVITY

Technical Guidance. Please see the accompanying report for a detailed list of all technical guidance activities and permit application reviews occurring within the grant period.

B. LOCATION

All activities were coordinated out of the headquarters office of the Kentucky Department of Fish and Wildlife Resources located at #1 Sportsman's Lane, Frankfort, KY. 40601. Technical review and guidance may have occurred on a statewide basis and were investigated accordingly.

C. TARGET DATES FOR ACHIEVEMENT AND ACCOMPLISHMENTS

Planned Achievements Date: September 30, 2019  
Work Accomplished: September 30, 2019

D. SIGNIFICANT DEVIATIONS

None

E. REMARKS

None. Please close this segment (#42) of FW-3 upon receipt and acceptance of this annual performance report and the forthcoming SF-425.

F. COST

Accurate estimates of project and/or grant level costs are not currently available for inclusion into this Annual Performance Report. Final project and/or grant level costs will be provided in the forthcoming SF-425.

# PROJECT 1: FISH KILLS AND POLLUTION INVESTIGATION

## ABSTRACT

Standardized methods developed by the Pollution Committee of the Southern District, American Fisheries Society, and the Environmental Section staff were used to investigate fish kills from October 1, 2018 to September 30, 2019. Some fish kill investigations resulted in no action and no determination of extent due to excessive time lapse between the kill and notification, no fish being found after on-site investigation, small numbers of fish killed, a responsible party not being determined, and/or weather conditions that prevented investigation.

Several reports of pollution and numerous notifications of sewage overflows were submitted during Segment 42.

### Fish Kill Activity and Pollution Investigations

#### Job 1      Fish Kill Activity

<u>DATE OF KILL</u>	<u>COUNTY</u>	<u>WATERBODY</u>	<u>POLLUTANT SOURCE</u>	<u>NUMBER OF FISH</u>	<u>MILES AFFECTED</u>
01/29/2019	Madison	Taylor Fork	Chemical	31,435	2.35
03/06/2019	McCracken	Bayou Creek	Chemical	200	No Determination
04/30/2019	Trigg	Lake Barkley	Unknown	2,000	No Determination
05/20/2019	Livingston	Cumberland River	Natural Causes	100	No Determination
05/22/2019	Shelby	Floyd's Fork	Unknown	100	No Determination
05/25/2019	Warren	Clear Fork/Gasper River	Agricultural Waste	53,782	17.4
05/26/2019	Jessamine	Hickman Creek	Unknown	20	No Determination
06/03/2019	Grant	Clarks Creek	Sewage	100	2.0
07/03/2019	Franklin	Kentucky River	Whiskey	120,170	62.0
08/08/2019	Knott	Caney Creek	Concrete	1,969	0.33
			<b>FY19 TOTAL=</b>	<b>209,876</b>	<b>84.08</b>

Fish kills reported above with "No Determination" involved minor numbers of fish killed and did not involve fish kill investigations. Staff coordinated with the state Division of Water and emergency response units on these minor kill events to facilitate response, communication, and provide guidance on minimization and remediation. No fish kill investigation or monetary recovery was involved in these minor kills.

#### Job 2      Pollution Surveillance

Pollution Surveillance = Staff coordinated 11 pollution events which did not involve actual fish kills or did not result in fish kills. Staff made recommendations and provided guidance to primary response agencies or incident command centers to address fish and wildlife concerns: minimize impacts, clean up, and remediation.

## PROJECT 2: TECHNICAL GUIDANCE SECTION

### ABSTRACT

Project personnel reviewed a total of 870 project proposals, individual work orders at critical project stages, or other activities during October 1, 2018 to September 30, 2019. The majority of projects were recorded in databases for reporting and tracking purposes. Other reviews and responses, such as coal mining activities, U. S. Army Corps of Engineers Permit review, and other general information requests were handled by phone, e-mail, or fax.

Approximately seventy-nine (79) man-days were spent in the field attending hearings, meetings, symposia, seminars, assisting with projects, following up on-going projects, inspecting project sites, and disseminating information relating the effects of man-induced habitat alteration upon the fish and wildlife resources of the Commonwealth.

### PROCEDURES

In compliance with the National Environmental Policy Act of 1969 (NEPA) and the Fish and Wildlife Coordination Act of 1958, requests or public notices generated under the authority of Section 404 of the Federal Water Pollution Control Act Amendment of 1972 and Section 10 of the Rivers and Harbors Act of 1899 were reviewed. These requests were in the form of Environmental Impact Statements or other NEPA documents, U. S. Army Corps of Engineers Permit Notices, permits or actions with the Federal Energy Regulatory Commission, coal mining proposals, and numerous other project proposals. KDFWR reviewed projects under the A-95 state environmental clearinghouse review process for projects involving federal grants, loans, and subsidies.

A brief description of each job task for Project 2: Technical Guidance is presented below.

#### **Job Task**                      **A-95 Clearinghouse Activity**

A-95 State Clearinghouse review forms cover a wide variety of projects ranging from expenditures and plans for constructing parks to financing employment programs to dredging streams. All such projects involve the expenditure of state and federal monies.

A-95 Clearinghouse Review = Staff reviewed and provided comment on 563 individual projects through the clearinghouse process.

#### **Job Task**                      **Coal Mining Activity**

Staff provided guidance to state and federal mining activities and coal companies concerning streams, wetlands, and threatened and endangered species habitat. Personnel attended various meetings, workshops, and conferences related to coal mining, reclamation, wetlands, biodiversity, endangered species, and general habitat management.

Coal mining activity review and responses were completed in groups or programmatically. Numerous permit applications and amendments were received and reviewed. Many permit applications were reviewed under the 404 Program with the Corps of Engineers where the mining activity involved streams and wetlands.



**Job Task****KY Transportation Cabinet (KYTC)**

Transportation projects are developed through stages of planning, design, construction, and maintenance. These projects are typically funded with federal monies through the Federal Highway Administration and the Kentucky Transportation Cabinet (KYTC). Staff provided technical guidance to KYTC on fish & wildlife issues, 404 mitigation and mitigation banking, threatened and endangered species, stream and wetland restoration, and other environmental concerns.

Kentucky Transportation Cabinet Projects = Staff were involved with providing guidance on 14 major KYTC projects/tasks.