SURVEY REPORT
OKLAHOMA DEPARTMENT OF WILDLIFE CONSERVATION

FISH MANAGEMENT SURVEY AND RECOMMENDATIONS FOR

Highland Park/Hudson Pond

2025

SURVEY REPORT

State: Oklahoma

Project Title: Highland Park/Hudson Pond Fish Management Survey Report

Period Covered: 2025

Prepared by: Oklahoma Fishery Research Laboratory

Date Prepared: December 2025

Highland Park/Hudson Pond

ABSTRACT

Hudson Pond at Highland Park was sampled using spring electrofishing to evaluate the fish population. The fishery consists of mostly sunfish (Bluegill and Green Sunfish), as well as Largemouth Bass and Catfish (Flathead and Channel Catfish). No regulation changes are recommended at this time.

INTRODUCTION

Highland Park Pond, also referred to as Hudson Pond, is in Guthrie, Logan County, Oklahoma. The pond has a shoreline length of 0.20 miles and a surface area of 1.00 acres. The pond provides opportunities for angling; the rest of the park features a walking trail.

Close To Home Fishing regulations apply at this site, which includes an aggregate limit of three panfish, rainbow trout, and channel catfish per person per day. Fishing is limited to no more than three rods and reels per person with no more than three hooks per line; treble hooks are considered one hook. No other fishing methods are permitted.

There is a fountain which provides water aeration for fish heath, as well as algae control.

Highland Park Pond had been sampled by ODWC using electrofishing in 2011. The pond has previously been stocked with Hybrid Sunfish, Largemouth Bass and Channel Catfish (Appendix 1).

Aquatic Nuisance Species

There are no known ANS species in Hudson Pond.

RESULTS

Electrofishing- All Species (41)

Overview

Hudson Pond was sampled by electrofishing on April 26, 2025. The entirety of the shoreline was sampled for a total of one unit of effort (one, 10-minute run). A total of 59 fish were collected across four species. The most abundant species were Bluegill Sunfish (n = 36) and Largemouth Bass (n = 19).

Bluegill Sunfish

Bluegill Sunfish had a mean total length (TL) of 160 mm with a minimum TL of 112 mm and a maximum TL of 200 mm (Table 1). Total catch per unit effort (CPUE) of Bluegill Sunfish was 216. The overall mean relative weight (Wr) of Bluegill Sunfish was above acceptable (106.95); likewise, stock and quality size Bluegill Sunfish were also above acceptable (i.e., ≥ 90).

Largemouth Bass

Mean TL of Largemouth Bass was 264 mm with a minimum TL of 130 mm and a maximum TL of 351 mm (Table 1). Total CPUE of Largemouth Bass was 114. The overall mean Wr of Largemouth Bass was below acceptable (80.95). Both stock and quality size Largemouth Bass also had Wr values below acceptable.

RECOMMENDATIONS

1. Determine if stockings are still needed.
2. Continue to monitor fish populations.

Table 1. Sample size, mean TL (mm), mean weight (g), and associated ranges for each species represented. (Delete/duplicate as needed)

Species	Number	Mean TL (range)	Mean Weight (range)
Bluegill Sunfish	36	160 (112-200)	98 (25-200)
Flathead Catfish	1	882	-
Green Sunfish	3	169 (138-230)	137 (55-295)
Largemouth Bass	19	264 (130-351)	227 (25-450)

Appendix 1. Species, number, and size of fish stocked in Highland Park/Hudson Pond since 2014.

Date	Species	Number	Size (inches)
2014	Channel Catfish	50	9
2014	Channel Catfish	51	11
2015	Channel Catfish	50	9
2016	Channel Catfish	50	9
2016	Channel Catfish	61	14
2017	Channel Catfish	50	9
2017	Channel Catfish	50	9
2018	Channel Catfish	100	4-6
2018	Hybrid Sunfish	50	4-6
2018	Northern Largemouth Bass	50	3
2019	Channel Catfish	50	9
2019	Hybrid Sunfish	100	7
2020	Hybrid Sunfish	100	5.5
2021	Channel Catfish	100	9
2021	Hybrid Sunfish	100	6
2022	Channel Catfish	50	10
2022	Hybrid Sunfish	252	6.75
2022	Hybrid Sunfish	200	6
2022	Channel Catfish	60	18
2024	Channel Catfish	55	12
2024	Channel Catfish	50	18