LAKE MANAGEMENT STATUS REPORT

Date of Report: 12/31/2024	Fisheries Manager: Brennan Caputo	District: 1
Lake Name: Lake Le-Aqua-Na	County: Stephenson	Water No: 0003
Ownership (STATE, PUBC, PUBO): State		Acreage: 43.4

LM STATUS REPORTS WILL INCLUDE THE FOLLOWING SECTIONS:

1. List of the Sport Fish Regulations in Effect
2. Listing of Stocked Fish
3. Vegetation Treatments
4. Fish Surveys
5. Lake Management Plan Progress Table
6. Recommendations for Observed Problem Trends

1. SPORT FISH REGULATIONS IN EFFECT:

All Fish . . . . . 2 Pole and Line Fishing Only
Large or Smallmouth Bass . . . . . 1 Fish Daily Creel Limit (14″ Minimum Length Limit)
Bluegill or Redear Sunfish . . . . . No Fish Daily Creel Limit (No Minimum Length Limit)
Channel Catfish . . . . . .6 Fish Daily Creel Limit (No Minimum Length Limit)

2. FISH STOCKING:

2024:				
09/11/24	Channel Catfish	1125	4.2”	Little Grassy Hatchery
05/29/24	Saugeye	5826	1.6”	LaSalle Fish Hatchery
2023:				
08/08/23	Channel Catfish	1125	7.5”	Little Grassy Hatchery
06/14/23	Smallmouth Bass	4743	1.5”	Jake Wolf Hatchery
2022:				
10/06/22	Bluegill	20196	1.2”	LaSalle Fish Hatchery
10/06/22	Bluegill	773	2.1”	LaSalle Fish Hatchery
09/29/22	Bluegill	26244	1.2”	LaSalle Fish Hatchery
09/29/22	Bluegill	818	2.1”	LaSalle Fish Hatchery
09/22/22	Redear Sunfish	2760	2.2”	LaSalle Fish Hatchery
09/16/22	Redear Sunfish	12808	1.3”	LaSalle Fish Hatchery
08/29/22	Channel Catfish	2400	8.0”	Little Grassy Hatchery
06/23/22	Largemouth Bass	9765	1.3”	LaSalle Fish Hatchery

3. AQUATIC VEGETATION TREATMENTS:

A vegetation treatment was completed on 05/28/2024 and 06/04/24. A table below contains a list of chemicals that were applied.

05/28/24 Tribune	10.0 gal.	American Elodea and Curlyleaf Pondweed
06/04/24 Tribune	5.0 gal.	American Elodea and Curlyleaf Pondweed
06/04/24 Cleargate	5.0 gal.	Algae

4. FISH SURVEYS:

A spring community assessment survey took place on 05/07/24 and consisted of 1 daytime DC-electrofishing runs for a total of 15 minutes of sampling effort. Overall, 5 species and 214 individual fish were collected.

5. LAKE MANAGEMENT PROGRESS TABLES:

Largemouth Bass:

A total of 129 Largemouth Bass were collected ranging from 110 – 340 mm (4.3 – 13.4 in), with 127 ≥ Stock size (200 mm [7.9 in]). Average length was 279 mm (11.0 in). This survey met the minimum required number of fish ≥ Stock size (n = 30) to accurately quantify population demographics as set forth in the Lake Management Plan (LMP). Both the PSD and RSD-14 fell below their respective target ranges. A low PSD and RSD-14 value indicate an overabundance of small-sized Largemouth Bass and a low number of quality sized Largemouth. This is to be expected from a newly stocked lake. As the population ages, future analysis will be done to accurately quantify population demographics as set forth in the Lake Management Plan (LMP).

Lake Management Plan:	Goal	2023	2024
# Stock (200mm)	>100	98	127
PSD	40-60	5	21
RSD 14	20-40	0	0
Wr	90-110	97	N/A

Spring diurnal DC electrofishing CPUE (fish/hr.) of each length group of Largemouth bass collected.

Year	<7.9”	7.9-11.8”	11.8-15”	15-20.1”	> 20.1”	Total CPUE
2023	1	93	5	0	0	99
2024	8	400	108	0	0	516

Bluegill:

A total of 63 Bluegills were collected ranging from 30 – 190 mm (1.2 – 7.5 in), with 51 ≥ Stock size (80 mm [3.1 in]). Average length was 116 mm (4.6 in.). This survey met the minimum required number of fish ≥ Stock size (n = 50) to quantify population demographics as set forth in the Lake Management Plan (LMP). The PSD fell above its respective range while the PSD-P value fell below its respective range. This is to be expected from a newly stocked lake. As the population ages, future analysis will be done to accurately quantify population demographics as set forth in the Lake Management Plan (LMP).

Lake Management Plan:	Goal	2023	2024
#Stock(80mm)	>100	112	51
PSD	20-40	2	43
PSD-P (8 in)	5-20	1	0
Wr	90-110	96	N/A

Spring diurnal DC electrofishing CPUE (fish/hr.) of each length group of Bluegill collected.

Year	<3.1”	3.1-5.9”	5.9-7.9”	7.9-9.8”	9.8-11.8”	Total CPUE
2023	68	110	1	1	0	180
2024	48	116	88	0	0	252

6. RECOMMENDATIONS FOR OBSERVED PROBLEM TRENDS:

1. Continue requesting Non-vulnerable Channel Catfish (NVC) and Saugeye on an annual basis
2. Continue fish population surveys on a routine basis