

**Franke Lake**  
Clark County  
2008 Supplemental Survey

**Date of Survey:** October 15, 2008

**Biologists:** Larry L. Lehman and Clinton R. Kowalik

**Survey Objective:** To evaluate survival of age-0 largemouth bass, bluegill, and redear sunfish fingerlings stocked into Franke Lake (Table 1).

**Methods:** Fish collection effort consisted of 0.5 h of pulsed DC, daytime electrofishing along the shoreline with two dippers. Fish were measured to the nearest 0.1 in TL. A GARMIN GPSmap 76 was used to record the location of the sampled area.

**Summary:** This 9-acre impoundment was drained in the summer of 2007 to repair leaks in the principal-spillway riser. The boat ramp was realigned for better access to deep water and the emergency spillway was redesigned. Game fish were stocked November 7, 2007 (Table 1).

The lake was approximately 30 inches below normal pool on the day of this survey. Surface water temperature was 70° F. The Secchi disk reading was 6.5 ft. Submersed vegetation (Potamogeton and Najas species) was observed.

Seventy-two bluegill were collected (Table 2). Based on length frequencies, 13 (26.0/h) of these fish were age-1 bluegill (4.9 to 7.0 in). These fish represented those bluegill fingerlings stocked in 2007 (Table 1). Six of these fish were quality-size bluegill ( $\geq 6.0$  in). An additional 59 age-0 bluegill (0.9 to 2.9 in) were collected indicating some reproduction already by the bluegill stocked November 2007.

Forty-four largemouth bass were collected (Table 2). Based on length frequencies, 24 (48.0/h) of these fish were age-1 bass (7.6 to 9.1 in). These fish represented those bass fingerlings stocked in 2007 (Table 1).

Some illegal stocking of adult bass occurred. Four of these bass (12.2 to 12.9 in) were collected. These adult bass would be the source of the 16 age-0 bass (3.0-5.5 in) that were also collected because the bass fingerlings stocked in 2007 were not large enough to spawn in 2008.

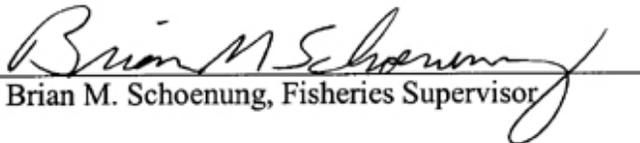
Eight redear sunfish were collected. These fish represented those fingerlings stocked in 2007. Quality-size redear ( $\geq 7.0$  in) should be available to anglers in 2009.

One goldfish was collected (Table2). It is illegal to stock fish into public waters without a permit. It is a dangerous practice that can ruin fishing.

If available, 450 channel catfish (8-in average) are scheduled to be stocked October 2009.

Submitted by: Larry L. Lehman, Fisheries Biologist

Date: March 24, 2009

Approved by:   
 Brian M. Schoenung, Fisheries Supervisor

Date: July 21, 2009

Table 1. Fish stocking record by Division of Fish and Wildlife at Franke Lake, November 7, 2007.

| Species         | Number | Size (in) | Size range (in) | Age |
|-----------------|--------|-----------|-----------------|-----|
| Largemouth bass | 907    | 3.61      | 3.34 – 3.88     | 0   |
| Bluegill        | 2,768  | 1.38      | 0.93 – 1.83     | 0   |
| Redear sunfish  | 3,400  | 0.83      | 0.68 - 0.98     | 0   |

Table 2. Relative abundance by number and length range of fishes collected at Franke Lake, October 15, 2008.

| Common name of fish | Number   | Percent by number | Length range (in) |
|---------------------|----------|-------------------|-------------------|
| Bluegill            | 72       | 57.6              | 0.9 - 7.0         |
| Largemouth bass     | 44       | 35.2              | 0.3 – 12.9        |
| Redear sunfish      | 8        | 6.4               | 5.2 - 5.8         |
| Goldfish            | <u>1</u> | <u>0.8</u>        | 14.0              |
| Totals (4 species)  | 125      | 100               |                   |