

- **Fishes of Buck Island Ranch.**

A preliminary checklist, compiled by Fred E. Lohrer, 10 February, 2005

This list includes fishes recorded from the Buck Island Ranch, Highlands County, Florida, currently the MacArthur Agro-Ecology Research Center operated by Archbold Biological Station. The classification and nomenclature follow Nelson et al. 2004 (Nelson, J.S., E.J. Crossman, H. Espinosa-Pérez, L.T. Findley, C.R. Gilbert, R.N. Lea, and J.D. Williams. 2004. Common and scientific names of fishes from the United States, Canada, and Mexico. Amer. Fish. Soc. Spec. Publ. No. 29:1-386). This list includes 16 fish species, and one additional species identified to genus, and includes 3 non-native species. This list is based on: a) records for 11 species recorded by Baber et al. (Baber, M.J., D.L. Childers, K.J. Babbitt, and D.H. Anderson. 2002. Controls on fish distribution and abundance in temporary wetlands. Canadian Journal of Fisheries and Aquatic Sciences 59(9):1441-1450); b) records for 5 additional species identified by Eva Hohausova (pers. comm., 10 February 2005); and c) other records submitted by BIR scientist (these are indicated for each species). Methods. Baber et al. sampled 6 isolated wetlands (not directly connected to ditches) chosen randomly from each of the 3 major habitat types at the Ranch (improved pasture, semi-native prairie, woodland habitat) each month during June - October 1999 using a dip net or throw trap. Hohausova sampled ditches with a dip net during 2003. No voucher specimens exist.--F.E.L.

H=species recorded by Hohausova + = introduced species.

Order Lepisosteiformes

Family Lepisosteidae - gars

- Florida Gar *Lepisosteus platyrhincus*

Order Cypriniformes

Family Cyprinidae - carps and minnows

- Shiner species *Notropis sp.* H

Order Siluriformes

Family Ictaluridae - North American catfishes

- Brown Bullhead *Ameiurus nebulosus* H

Family Clariidae - labyrinth catfishes

- Walking Catfish *Clarias batrachus* H

Family Callichthyidae - armored catfishes

- Brown Hoplo *Hoplosternum littorale* H

Order Percopsiformes

Family Aphredoderidae - pirate perches

- Pirate Perch *Aphredoderus sayanus* H

Order Cyprinodontiformes

Family Fundulidae - topminnows

- Golden Topminnow *Fundulus chrysotus*
- Banded Topminnow *Fundulus cingulatus*
- Bluefin Killifish *Lucania goodei*

Family Poeciliidae - livebearers

- Eastern Mosquitofish *Gambusia holbrooki*
- Least Killifish *Heterandria formosa*

Family Cyprinodontidae - pupfishes

- Flagfish *Jordanella floridae*

Order Perciformes

Family Centrarchidae - sunfishes

- Warmouth *Lepomis gulosus*
- Largemouth Bass *Micropterus salmoides* (P.J. Bohlen, pers comm.)

Family Percidae - perches

- Swamp Darter *Etheostoma fusiforme* H

Family Elasmobranchidae - pygmy sunfishes

- Everglades Pygmy Sunfish *Elassoma evergladei*

Family Cichlidae - cichlids

- Black Acara *Cichlasoma bimaculatum* +