

Norfolk National Fish Hatchery

Linking the Biological Health of the Nation's Aquatic Resources with the Economic Health of the Nation's Human Communities



Linking Biological and Economic Health

The Southeastern U.S.'s fish and aquatic resources are among the richest and most diverse in the world. These resources, and the recreational opportunities they provide, have helped support the Nation's growth by providing enormous ecological, social and economic contributions. Our aquatic resources are recognized as National assets that contribute to the quality of life and well being of the American people. National Fish Hatcheries help foster this critical link between the biological health of our Nation and its overall economic health.

A Multiplier of Economic Benefits

The high quality and efficient trout production at Norfolk National Fish Hatchery (NFH) is just one aspect of their fish production that creates a positive ripple effect for all Americans. Recreational angling for fish produced by the hatchery results in considerable expenditures of recreation-related goods and services such as lodging, transportation, boats, fishing equipment, and other gear used by the fishing public. A 2010 economic study clearly identified these annual economic benefits (Caudill and Charbonneau, 2010).

Norfolk NFH is responsible for much of what has made northern Arkansas a "trout fishing paradise." The hatchery provides an enormous economic impact to the local, regional, and State economy. The hatchery is the economic driver for many of the counties in northern Arkansas. The economic impact is felt by everyone, not just those associated with addressing the needs of anglers. This is especially significant in small towns and rural areas near the waters that are stocked by Norfolk NFH and where the purchases of fishing equipment, lodging, food, and transportation are made. In addition, businesses and industries that supply

JOBS = 898 PEOPLE, \$23.3 MILLION IN WAGES

The fish production at Norfolk NFH provides employment for more than 898 people with over \$23 million in wage and salary income.

RETAIL SALES = \$43 MILLION

Retail sales associated with angler expenditures as result of stocking trout by Norfolk NFH amounted to \$43 million. A percentage of these expenditures relate to costs for food and lodging and transportation.

TAXES GENERATED = \$5.3 MILLION

Federal tax revenues amounted to \$2.8 million. State and local tax revenues amounted to \$2.5.

TOTAL ECONOMIC OUTPUT = \$81.6 MILLION

Total economic output (multiplier effect) came to \$81.6 million, a return of \$89.00 for every dollar spent.

EACH TAX DOLLAR RETURN = \$89

Each taxpayer dollar spent for trout production at Norfolk NFH amounted to \$89.14 in economic output.

"An Assessment of Economic Contributions from Fisheries and Aquatic Resource Conservation" (Dr. James Caudill and Dr. John Charbonneau, 2010). Economic values have been updated to 2012 dollars.

local retailers benefit from angler expenditures. For example, a family purchases a set of fishing rods for an upcoming vacation. Part of the total purchase price will go to the local retailer. The retail store pays a wholesaler who in turn pays the manufacturer. In this way, each dollar of local retail expenditures can affect a variety of businesses at the local, regional and national levels. According to the study, the total economic output for trout production at Norfolk NFH amounts to \$81.6 million every year. That's a return of \$89.14 for every tax dollar spent to operate the hatchery.

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