Jim Hinkle/Spring River SFH
Engineering Services Request

“Our Dam Problem Is Fixed”
Jim Hinkle/Spring River SFH is located on an island in the middle of the Spring River below Dam 3.

Dam 3 was built in the early 1900’s for hydropower but was discontinued in 1972.

Two inlets cut in the dam supply 75,000 gpm of gravity flow water to the hatchery.

AGFC is responsible for the maintenance and operation of Dam 3.
Dam 3 with gates in upright position
Easter 2011 Flood
Temporary Fix Photos
Ozark Hellbender

The Ozark hellbender is bigger, on average, than some other common Missouri amphibians and reptiles.

- Bullfrog: 6"
- Female midland soft smoothshell turtle (Outer shell length): 14"
- Ozark hellbender (Snout to vent length): 20"
- Compared to human hand: 7.5"

Ozark hellbender population in some Missouri rivers:
- Current River: 64% over 14 years
- North Fork of White River: 83% over 33 years
- Eleven Point River: 93.5% over 17 years

Hellbenders have a rudder-like tail, but they rarely swim...

The front legs have four toes while the hind legs have five.

Hellbenders breathe by absorbing oxygen from water through the folds on their skin.

Their flat body shape (top to bottom) helps them move in fast-flowing waters.

Hellbender’s favorite food: 90 percent of the hellbender’s diet consists of crawfish.

The Ozark hellbenders are fully aquatic animals. They cannot survive on land.

Sources: Missouri Department of Conservation, U.S. Fish & Wildlife Service
SPRING RIVER DAM #3

IMPROVEMENTS

Jim Hinkle Spring River
State Fish Hatchery

Arkansas
Game & Fish Commission

Keeping the Natural State natural.

ASI
Dam & Water Resource Constructors
Water Management Plan
Cofferdam Under Construction
Cofferdam Under Construction cont.
Temporary Bridge Installation

ABUTMENT CONSTRUCTION

TEMPORARY BRIDGE PLACED
Cofferdam Completion
Super Sack Bulkhead Placement
Cofferdam and Bulkhead Complete
Existing Dam Condition
Dam Base Pressure Grouting
Mass Concrete Placement in Cells
Vegetation Harvest 08-04 continued
Dam Crest Concrete Placement
Obermeyer Gate Installation
The Aftermath – Gates Raised 3/4

SPH Dam 3 video.MOV
Obermeyer Gates Operated
Substantial Completion
Control House