“We’ve Got a Dam Problem”
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
5. Replace damaged gate hardware.
Easter 2011 Flood
Drought 2012
Where are we now?

- Comprehensive study presented to Commission – November 28, 2012
- Commission approves design phase of Dam No. 3 renovation – December 20, 2012
- Project advertised for bid – 05/17/13 (11 general contractors purchased bid documents)
- Mandatory pre-bid conference – 05/29/13 (three general contractors attend)
- Bid opening delayed from 06/04/13 to 06/11/13
Dam Modifications
Where are we now continued:

- Bids received 06/11/13 – one bidder responded – ASI Constructors, Inc.
- ASI Constructors, Inc. bid - $3,340,000.00
- Crist Engineers, Inc. estimate – $2,192,020.00
- AGFC budget - $2,7000,000.00
What do we do now?

- Reject ASI Constructors, Inc. bid and re-advertise?
- Negotiate?
Negotiate!

- ASI Constructors, Inc. offered their final and best offer based on discussions and some changes in plans on July 09, 2013 - $3,150,000
Decisions

• Reject best negotiated offer and re-bid?
• Request budget increase from AGFC Commissioners and award contract to ASI Constructors, Inc.?
Risks?

- No bids received on second invitation to bid.
- Successful bidder on second invitation to bid higher than best negotiated bid with ASI Constructors, Inc.
Decision

• Submitted request for $534,000 budget increase to AGFC Commissioners for consideration on 07/18/13
• Commissioners approve budget increase for project
August Rain
Water Management Plan
Ozark Hellbender

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

<table>
<thead>
<tr>
<th>Current River</th>
<th>North Fork of White River</th>
<th>Eleven Point River</th>
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<tbody>
<tr>
<td>64% over 14 years</td>
<td>83% over 33 years</td>
<td>93.5% over 17 years</td>
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- Female midland soft smoothshell turtle (Outer shell length)
- Ozark hellbender (Snout to vent length)
- Compared to human hand

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

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

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
Ozark Hellbender Range

[Map showing the range of Ozark Hellbenders]

**Hellbender**
*Cryptobranchus alleganiensis*

**Eastern**
*C. a. alleganiensis*

**Ozark**
*C. a. bishopi*
What are we doing now?

- Hellbender survey to secure Section 404 permit
- Notice to Proceed has been issued to contractor. Allows for fabrication of Obermeyer gate to begin
- Actual construction on dam to begin May 05, 2013 and complete in 120 calendar days.