

# Jim Hinkle/Spring River SFH Engineering Services Request

# *“We’ve Got a Dam Problem”*

ARKANSAS GAME &  
FISH COMMISSION



Keeping the Natural State natural.





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



**2004**



**2007**



**2009**





# 5. Replace damaged gate hardware.





# Easter 2011 Flood



# Drought 2012







# Powersite Dam Obermeyer Gate Installation





# 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

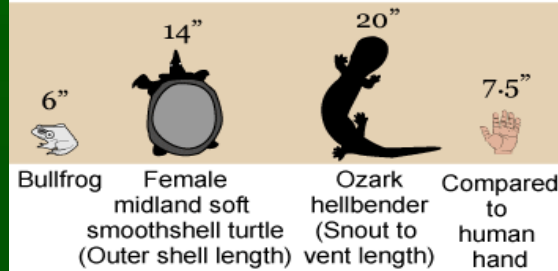




# Ozark Hellbender



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



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.

... instead they walk slowly along the stream bottom using their short legs.

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

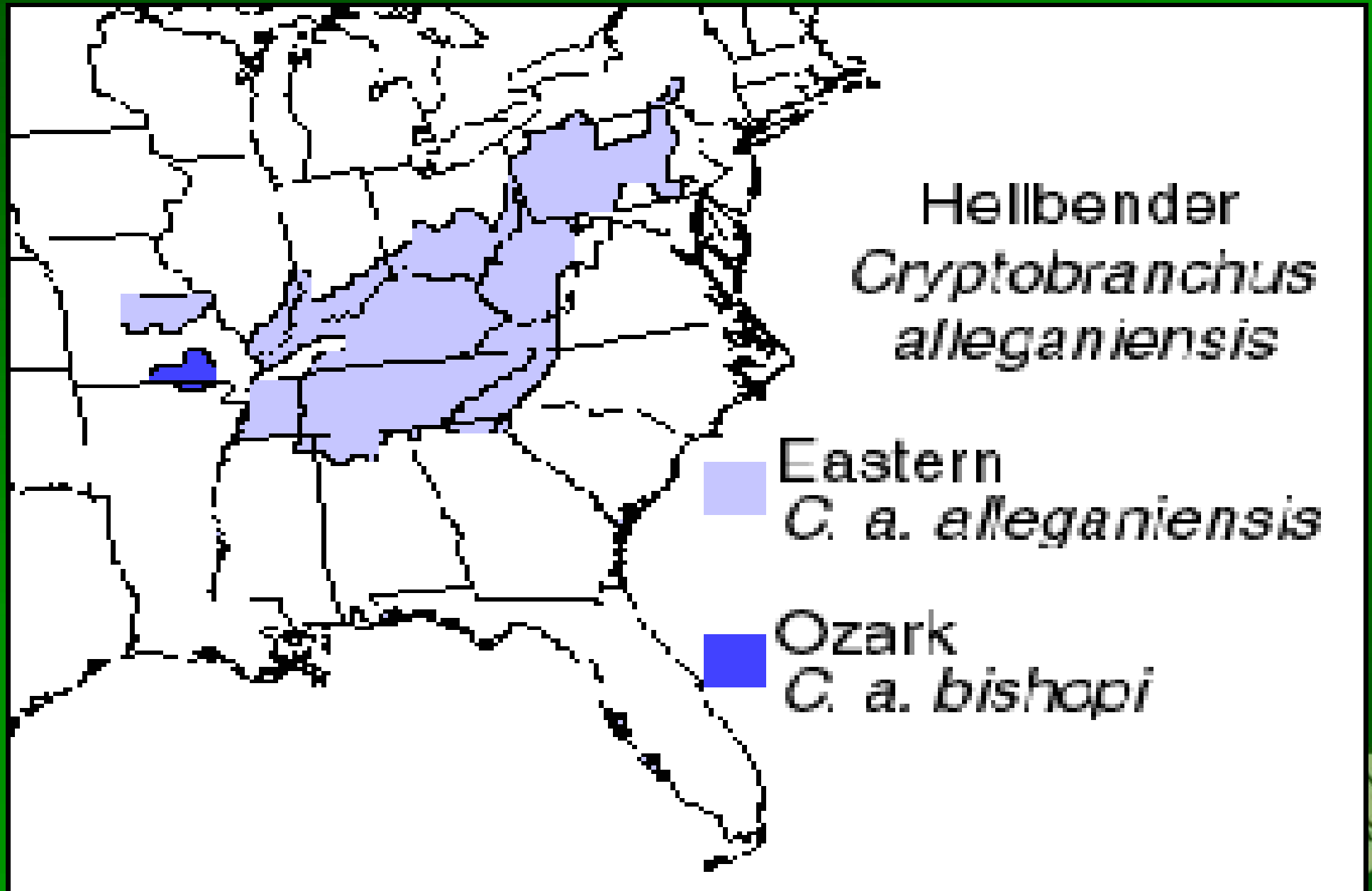
Hellbenders breathe by absorbing oxygen from water through the folds on their skin.

**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.

# Ozark Hellbender Range



# 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.

