



Meeting Agenda
Fish and Wildlife Flows Subgroup Meeting
Wednesday, March 27, 2013
Arkansas Game and Fish Commission River District Nature Center
602 President Clinton Avenue Little Rock, AR 72201
9:00 a.m. – 4:30 p.m.

Purpose: To discuss approaches and methods for developing estimates of fish and wildlife flows.

Time	Topic	Individual
9:00 am	Welcome/Intro/Framing the Questions <ul style="list-style-type: none"> • Three objectives <ol style="list-style-type: none"> 1. Describe the current process for determining fish and wildlife flows and allocating riparian and non-riparian water. 2. Introduce fish and wildlife flow issues to be addressed for the Arkansas Water Plan Update. 3. Determine a process AR might undertake to improve future estimates of fish and wildlife flows. 	N. Rowan CDM-Smith
9:10	State Water Plan <ul style="list-style-type: none"> • ANRC approaches for surface water availability • Policies, procedures, and role of fish and wildlife flows • Needs and concerns 	K. Brazil State Water Planning Section ANRC
9:35	Fish and Wildlife Flows & 1990 Water Plan Issues <ul style="list-style-type: none"> • Use of fish and wildlife flows – two approaches <ul style="list-style-type: none"> - Water Determination for Non-Riparian Users - Minimum instream flow estimates • State-wide procedures/basin-wide estimates • Issues and needs for the State Water Plan update • Moving towards a Risk-based Approach 	M. Armstrong Deputy Director Arkansas Game & Fish Commission



Arkansas Water Plan Update



Time	Topic	Individual
10:00	Review of AR Method <ul style="list-style-type: none">• Previous use in the State Water Plan for estimating fish and wildlife flows, minimum stream flows, and excess flows• Strengths, weaknesses• Possible modifications	S. Filipek Fisheries Division Arkansas Game & Fish Commission
10:30	Instream/E flows in the SE <ul style="list-style-type: none">• Review & process for developing instream/e-flows• Current status, including characteristics of the stream systems for which it is being developed and applied• Contributions, if any, to SE State Water Plans• Promising future paths	Dr. M. Davis Southern Instream Flow Network
11:30	Michigan's Experience <ul style="list-style-type: none">• Process for developing e-flows• Current status and stream types• Use in policy decision-making• Strengths, weaknesses• Revisions being considered or proposed for improvement	Dr. R. Bowman TNC (Invited)); possibly done by Dr. Davis
Noon	Catered Lunch	
12:30	U of A work on Flow-Ecology relationships <ul style="list-style-type: none">• Process for developing e-flows• Current status, stream types/ecoregions to which applied• Potential contributions to State Water Plan• Process for applying state-wide	Dr. D. Magoulick University of Arkansas



Arkansas Water Plan Update



Time	Topic	Individual
1:15	Quantification of Hydrologic Alteration at Gage Sites	J. Petersen USGS
1:45	Hydrologic Alteration Index <ul style="list-style-type: none">• Process for developing e-flows• Current status, stream types/ecoregions to which applied• Findings relevant to estimating fish and wildlife flows• Next steps	Dr. J. Jackson Arkansas Tech University
2:15	Reflection <ul style="list-style-type: none">• What they heard, thoughts on improving the AR Method and/or application in AR, and addressing the issues• Process for longer-term development of e-flows for AR streams	ALL
2:30	BREAK	
2:50	Facilitated Discussion <ul style="list-style-type: none">• Minimum stream flow estimates• Improving the AR Method, if appropriate, following the ELOHA process• Improving stream flow allocation by ecoregion or stream type• Recommended process for inclusion in the State Water Plan for improving future estimates of fish and wildlife flows in AR	ALL
4:15	Summary, Action Items, Next Steps	M. Armstrong
4:30	ADJOURN	