



# Adaptive Management Program Committee

March 16, 2026

# Attendance: Roll Call

**Please answer “Present”**





# Public Comment



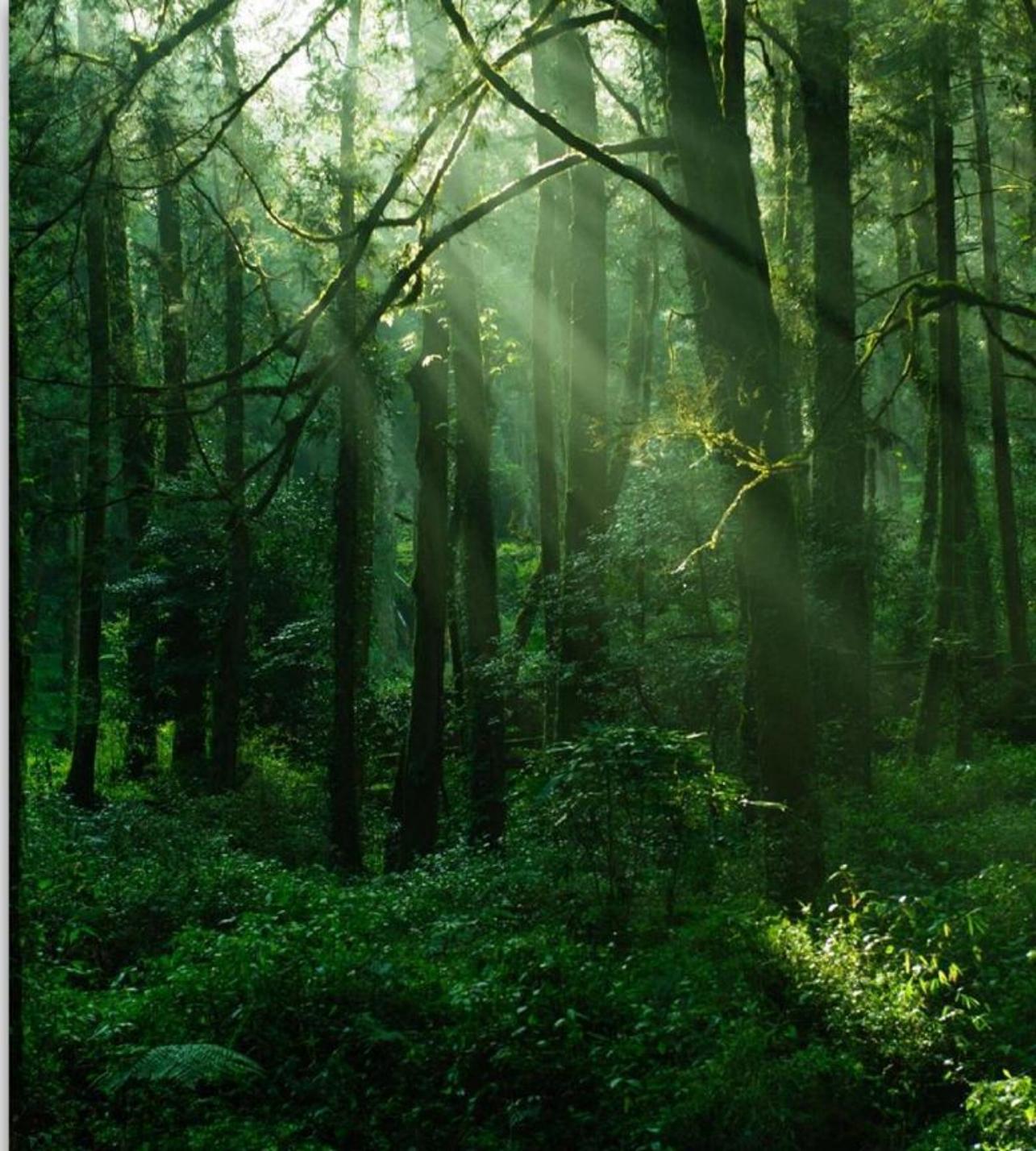
# Executive Summary of 1/28/2026 meeting

- Accept?



# Updates

- **AMP research budget – no cut**
- **AMP update to the Board earlier this month**
- **IRST: E OR slopes RFP posted**



# What's ahead

**April 13, 2026 (with IRST)**

- **Details of HCP and BGOs**
- **Effectiveness Monitoring Strategy (ODFW, CMP, etc.)**



# IRST: Amphibians

*Go to IRST presentation*





# Amphibians

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## In 2025:

- Finalized Amphibians Q1 and Q2 (March)\*
- Finalized Amphibians research question package (April)\*
- Responded to IRST clarifying questions on Amphibians Q1 & Q2 (August)\*
- Finalized responses to IRST clarifying questions Q1 & Q2 (Oct)\*

## In 2026:

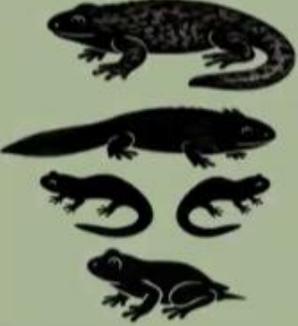
- *AMPC finalizes Q3*
- *IRST develops scoping proposal for Q1 & Q2 (June 2026)*
- *AMPC updates Research Agenda, brings to BOF for decision*



John P. Clare  
amphibianphotos.com



# Amphibians: Questions 1 and 2

AMPC Question	Question
<b>Question 1</b> 	For each of the covered amphibian species, what is the distribution (including population diversity) within Oregon, and what factors (e.g., stream gradient, stream size, fish presence/absence, slope, aspect, temperature, seasonality, micro-habitat conditions) determine this distribution at a smaller spatial scale (e.g., watershed)?
<b>Question 2</b> 	What is the population trend of the Columbia and Southern torrent salamanders over time on lands subject to the Forest Practices Act (FPA) rules? This question is informed by the following overarching biological goal as stated in the draft PFA HCP: “Forest practices that support the survival and recovery of the covered species by providing clean, cool, connected, and complex habitats.”

# Timeline of Amphibians Question Package

- **4/18/25: Voted to approve research question package**
  - Question package: <https://www.oregon.gov/odf/board/Documents/ampc/ampc-preliminary-amphibians-questions-package.pdf>
- **10/27/2025: The Adaptive Management Program Committee approves the modified Amphibians preliminary research question # 1 and modified response to the IRST questions on Amphibians preliminary research question # 2B**, as edited during the October 27, 2025, meeting to send to the IRST as soon as feasible (9 in favor, 0 opposed, 1 absent)
- **IRST is currently working on lit review for Question 1 and Question 2** from amphibians research question package
- **Outstanding work for AMPC:**
  - Input on rule divisions for Question 3
  - Additional clarity on Question 3 – need to provide official response to IRST



# Amphibians: Question 3

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The following sub-questions are informed by direction from the PFA Report to “...better understand how riparian and unstable slope protections of at least the current and proposed rules for private forestland impact persistence of populations.”

## **Question 3.1. How do rules for **no-harvest RMAs** affect Columbia and Southern torrent salamanders’ habitat?**

*BGO from Draft PFA HCP: Goal 2: Shade and watershed processes controlling stream temperature provide cool water compatible with the needs of the covered species.*

*Objective 2.2 – No-harvest RMAs maintain stream shade sufficient to support desired cool water temperatures for covered amphibians. The most recent version of the BGOs is in the Dec. 2022 draft HCP. The BGOs will be finalized within the HCP due Dec. 31, 2027. Private Forest Accord Report, p. 121.*

## **Question 3.2. How do rules for **Type N streams** affect Columbia and Southern torrent salamanders’ habitat?**

*BGO from Draft PFA HCP: Goal 3: Stream network connectivity satisfies freshwater habitat needs for covered species.*

*Objective 3.3 – Timber harvest maintains stream-associated connectivity in riparian areas along non-fish streams sufficient to support covered amphibians.*

## **Question 3.3. How do rules for **steep/unstable slope protections** affect Columbia and Southern torrent salamanders’ habitat?**

*BGO from Draft PFA HCP: Goal 4: Riparian areas function to support complex habitats for the covered species.*

*Objective 4.3 – Designated Debris Flow Traversal Areas function to deliver large wood to fish-bearing streams.*

*Objective 4.4 – Forest practices maintain stream-associated wetlands and stream-adjacent seep and spring habitat for amphibians.*

# IRST's Clarifying Questions for Q3

## Proposed Process for AMPC to Address:

- 1) Clarify the focus on habitat or species  
**Propose to address** by group discussion today, and work group to develop final text and/or direction to ODF staff
- 2) Clarify which set of rules  
**Propose to address** by asking ODF to provide technical recommendations and then consulting with amphibians experts



# Question 3.1: No Harvest RMAs

## Question 3.1. How do rules for **no-harvest RMAs** affect Columbia and Southern torrent salamanders' habitat?

*BGO from Draft PFA HCP: Goal 2: Shade and watershed processes controlling stream temperature provide cool water compatible with the needs of the covered species.*

*Objective 2.2 – No-harvest RMAs maintain stream shade sufficient to support desired cool water temperatures for covered amphibians. The most recent version of the BGOs is in the Dec. 2022 draft HCP. The BGOs will be finalized within the HCP due Dec. 31, 2027. Private Forest Accord Report, p. 121.*

- A. Is the AMPC interested in how the rules for no-harvest RMAs affect only stream shade and water temperatures related to the habitat requirements of the torrent salamanders? Or, is the AMPC interested in how the species respond (changes to populations, individuals, etc.) to changes in the habitat features of stream shade and water temperature as influenced by the rules for no-harvest RMAs? Other habitat factors may be identified as important to the torrent salamanders through answering Research Question 1 and also could be included in a scoping proposal.
- B. In addition, could the **AMPC identify the specific rules** related to no-harvest RMAs that are of interest to the AMPC in this context?

### **PROPOSE:**

Group discussion to provide direction to workgroup / ODF staff

### **PROPOSE:**

Get ODF staff technical recommendation, consult with amphibians experts

# Question 3.2: Type N Streams

## Question 3.2. How do rules for **Type N streams** affect Columbia and Southern torrent salamanders' habitat?

*BGO from Draft PFA HCP: Goal 3: Stream network connectivity satisfies freshwater habitat needs for covered species.*

*Objective 3.3 – Timber harvest maintains stream-associated connectivity in riparian areas along non-fish streams sufficient to support covered amphibians.*

**C. Is the AMPC interested in how the rules for Type N streams affect only connectivity of the stream network for Columbia and Southern torrent salamanders or also including other specific habitat features?** The habitat factors important to describing occupancy, abundance, or habitat suitability for Columbia and Southern torrent salamanders may be identified through answering Research Question 1.

**D. And, is the AMPC interested in understanding how connectivity affects species' responses (changes to populations or individuals) in addition to habitat metrics?**

**E. Finally, could the AMPC identify the specific rules** related to Type N streams that are of interest to the AMPC in this context?

### **PROPOSE:**

Group discussion to provide direction to workgroup / ODF staff

### **PROPOSE:**

Get ODF staff technical recommendation, consult with amphibians experts

# Question 3.3: Steep Slopes

**Question 3.3.** How do rules for **steep/unstable slope protections** affect Columbia and Southern torrent salamanders' habitat?

*BGO from Draft PFA HCP: Goal 4: Riparian areas function to support complex habitats for the covered species.*

*Objective 4.3 – Designated Debris Flow Traversal Areas function to deliver large wood to fish-bearing streams.*

*Objective 4.4 – Forest practices maintain stream-associated wetlands and stream-adjacent seep and spring habitat for amphibians.*

**F. Is the AMPC interested in improved understanding of these species' responses (changes to populations, individuals, etc.) to steep/unstable slope protection changes associated with the PFA, or to changes to specific habitat characteristics that are important to Columbia and Southern Torrent Salamanders, such as large wood that may be provided through debris flows?** Habitat factors important to describing occupancy, abundance, or habitat suitability for the torrent salamanders including large wood or presence of stream-associated wetlands, seeps, and springs, may be identified through answering Research Question 1.

**G. In addition, could AMPC identify the specific rules related to steep/unstable slope protections that are of interest to the AMPC in this context?**

**PROPOSE:**  
Group discussion to provide direction to workgroup / ODF staff

**PROPOSE:**  
Get ODF staff technical recommendation, consult with amphibians experts

# To Discuss: Habitat & Species

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## **3.1: How do rules for no-harvest RMAs affect Columbia and Southern torrent salamanders' habitat?**

A. Is the AMPC interested in how the rules for no-harvest RMAs affect only stream shade and water temperatures related to the habitat requirements of the torrent salamanders? Or, is the AMPC interested in how the species respond (changes to populations, individuals, etc.) to changes in the habitat features of stream shade and water temperature as influenced by the rules for no-harvest RMAs?

## **3.2: How do rules for Type N streams affect Columbia and Southern torrent salamanders' habitat?**

C. Is the AMPC interested in how the rules for Type N streams affect only connectivity of the stream network for Columbia and Southern torrent salamanders or also including other specific habitat features? The habitat factors important to describing occupancy, abundance, or habitat suitability for Columbia and Southern torrent salamanders may be identified through answering Research Question 1.

D. And, is the AMPC interested in understanding how connectivity affects species' responses (changes to populations or individuals) in addition to habitat metrics?

## **3.3: How do rules for steep/unstable slope protections affect Columbia and Southern torrent salamanders' habitat?**

F. Is the AMPC interested in improved understanding of these species' responses (changes to populations, individuals, etc.) to steep/unstable slope protection changes associated with the PFA, or to changes to specific habitat characteristics that are important to Columbia and Southern Torrent Salamanders, such as large wood that may be provided through debris flows? Habitat factors important to describing occupancy, abundance, or habitat suitability for the torrent salamanders including large wood or presence of stream-associated wetlands, seeps, and springs, may be identified through answering Research Question 1.

## Non-habitat BGO:

**5.8:** Forest practices in the Western Oregon georegion maintain in-stream connectivity to support the needs of the covered amphibian species throughout the permit term by implementation of FRIA and rules related to vacating roads and stream crossings. (Group 1: Implementation Monitoring; Group 3: Targeted Monitoring Studies)

**5.9:** The applicant will prioritize a research program that will examine the following.

- The current distribution of the covered amphibian species in Oregon and the factors that influence where they occur.
- Quantification of population trends of the covered species through time, prioritizing Columbia torrent salamanders and southern torrent salamanders. (Group 1: Implementation Monitoring; Group 3: Targeted Monitoring Studies)

**Objective 6: Forest practices in the Western Oregon georegion maintain riparian function and complex habitats, including but not limited to the delivery of large wood, to support the needs of covered fish species.**

**6.1:** Forest practices in the Western Oregon georegion near streams maintain riparian function and complex habitats to support the needs of the covered fish species by establishing no-harvest RMAs along the full length of all fish-bearing streams and all large and medium non-fish-bearing perennial streams throughout the permit term. (Group 1: Implementation Monitoring)



# To Discuss: No Harvest RMAs

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## 3.1: How do rules for **no-harvest RMAs** affect Columbia and Southern torrent salamanders' habitat?

A. Is the AMPC interested in how the rules for no-harvest RMAs affect only stream shade and water temperatures related to the habitat requirements of the torrent salamanders? Or is the AMPC interested in how the species respond (changes to populations, individuals, etc.) to changes in the habitat features of stream shade and water temperature as influenced by the rules for no-harvest RMAs?



## Considerations:

- Direction in PFA Report, SB 1501 (statute), and OARs
- BGOs in HCP (current draft)
- Others?

How the rules affect habitat requirements?  
(HABITAT)

OR

How species respond to changes in habitat features as impacted by rules?  
(HABITAT + SPECIES)

# To Discuss: Type N Streams

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## 3.2: How do rules for **Type N streams** affect Columbia and Southern torrent salamanders' habitat?

C. Is the AMPC interested in how the rules for Type N streams affect only connectivity of the stream network for Columbia and Southern torrent salamanders or also including other specific habitat features? The habitat factors important to describing occupancy, abundance, or habitat suitability for Columbia and Southern torrent salamanders may be identified through answering Research Question 1.

D. And, is the AMPC interested in understanding how connectivity affects species' responses (changes to populations or individuals) in addition to habitat metrics?



## Considerations:

- Direction in PFA Report, SB 1501 (statute), and OARs
- BGOs in HCP (current draft)
- Others?

How the rules affect only connectivity of stream network or other habitat factors?

How does connectivity affect species responses, in addition to habitat metrics?  
(HABITAT + SPECIES)

# To Discuss: Steep Slopes

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## 3.3: How do rules for **steep/unstable slope protections** affect Columbia and Southern torrent salamanders' habitat?

F. Is the AMPC interested in improved understanding of these species' responses (changes to populations, individuals, etc.) to steep/unstable slope protection changes associated with the PFA, or to changes to specific habitat characteristics that are important to Columbia and Southern Torrent Salamanders, such as large wood that may be provided through debris flows? Habitat factors important to describing occupancy, abundance, or habitat suitability for the torrent salamanders including large wood or presence of stream-associated wetlands, seeps, and springs, may be identified through answering Research Question 1.



## Considerations:

- Direction in PFA Report, SB 1501 (statute), and OARs
- BGOs in HCP (current draft)
- Others?

Understanding species' responses to steep slope rules?  
(SPECIES)

OR

Understanding changes to specific habitat characteristics important to the species?  
(HABITAT)

# Additional Information: Applicable Rules

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**3.1: How do rules for no-harvest RMAs affect Columbia and Southern torrent salamanders' habitat?**

B. In addition, could the AMPC identify the specific rules related to no-harvest RMAs that are of interest to the AMPC in this context?

**3.2: How do rules for Type N streams affect Columbia and Southern torrent salamanders' habitat?**

E. Finally, could the AMPC identify the specific rules related to Type N streams that are of interest to the AMPC in this context?

**3.3: How do rules for steep/unstable slope protections affect Columbia and Southern torrent salamanders' habitat?**

G. In addition, could AMPC identify the specific rules related to steep/unstable slope protections that are of interest to the AMPC in this context?

# Next meeting

**April 13, 2026 (with IRST)**

- **Details of HCP and BGOs**
- **Effectiveness Monitoring Strategy (ODFW, CMP, etc.)**



**Thank you for your participation  
today**

