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First name: Eric

Last name: Johnson

Organization: Amphibian Refuge

Title: Executive Director

Comments: Amphibian populations are declining worldwide, and amphibians are experiencing high extinction rates due to habitat loss, chytrid fungus, pollutants, pesticides, and climate change. Amphibians are the most threatened class of vertebrates.

We support the Land Management Plan Direction for Old-Growth Forest Conditions Across the National Forest System. By implementing optimal management approaches, the US Forest Service will ensure the protection of Old-Growth Forests, which provide habitat for many amphibian species. As part of old-growth forest management, the US Forest Service should implement long-term monitoring of amphibian populations. Research Natural Areas should be established for amphibian research.

Thank you for this opportunity to comment.

References:

Catenazzi, A. 2015. State of the World's Amphibians. *Annual Review of Environment and Resources*, 40: 91-119.

Collins, J.P., and M.L. Crump. 2009. *Extinction in Our Times: Global Amphibian Decline*. New York, NY: Oxford University Press.

Green, D.M., L.A. Weir, G.S. Casper, and M.J. Lannoo. 2013. *North American Amphibians, Distribution and Diversity*. Berkeley, CA: University of California Press.

Kolbert, E. 2014. *The Sixth Extinction, an Unnatural History*. New York, NY: Bloomsbury.

Luedtke et al. 2023. Ongoing Declines for the World's Amphibians in the Face of Emerging Threats. *Nature*, Volume 622, 12 October 2023, 308-314.

McCallum, M.L. 2007. Amphibian Decline or Extinction? Current Declines Dwarf Background Extinction Rate. *Journal of Herpetology*, Volume 41, Number 3, pp. 483-491.