



February 17, 2020

Mr. Eric Sklar, President  
 California Fish and Game Commission  
 1416 Ninth Street, Suite 1320  
 Sacramento, CA 95814

Submitted via email to [fgc@fgc.ca.gov](mailto:fgc@fgc.ca.gov) and USPS

RE: Petition to list Southern California and Central Coast mountain lions as threatened under the California Endangered Species Act – support advancement to candidacy

Dear President Sklar and Commissioners:

Thank you for the opportunity to provide comments on the petition to list Southern California and Central Coast mountain lions as threatened under the California Endangered Species Act (CESA).

The undersigned organizations, which represent millions of supporters throughout California, strongly support the protection of mountain lions in Southern California and along the Central Coast. We urge the Commission to initiate a full status review and advance the mountain lion populations in the entire area of the proposed evolutionarily significant unit (ESU) to candidacy.

Researchers have shown that our state's mountain lions are being profoundly impacted by human activity, most notably from habitat loss and fragmentation due to roads and development<sup>1</sup>. Scientists have described an "extinction vortex" of genetic isolation, car strikes, depredation kills, rodenticide poisonings, poaching, disease, and larger and more frequent wildfires that could drive the Santa Ana and Santa Monica mountains populations to extinction within 50 years or less<sup>2</sup>. Other populations within the proposed ESU, including those in the Santa Cruz, San Gabriel, and San Bernardino Mountains, are showing similar patterns<sup>1</sup>. Protections under CESA that would improve habitat connectivity throughout the entire proposed ESU area are needed to ensure these magnificent big cats continue to inhabit these landscapes and inspire future generations.

Protecting mountain lions would have a positive effect not only for the species itself, but also for threatened and endangered wildlife and plants that are the cornerstone of California's unique biodiversity. The presence of this wide-ranging top predator has been shown to help maintain diverse habitats that support a multitude of fish, amphibian, reptile, bird, mammal, insect, and invertebrate species. And mountain lion kills provide an important source of food for numerous scavengers and opportunists. Loss of the species could potentially lead to degraded ecosystems and decreased biodiversity.

Affording protections to mountain lions would also benefit public health and safety. About 100 mountain lions are killed on California roads every year, and thousands of collisions with large mammals (mostly deer) are reported to state agencies and insurance companies annually. Protecting mountain lions by facilitating their safe passage over roads would improve gene flow among isolated populations and allow for the safer passage of many other animals, like deer, which would help to reduce wildlife vehicle collisions.

The well-being of mountain lions is linked with ecosystem function and public health and safety, but the species is now facing unprecedented threats to its long-term survival in several

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<sup>1</sup> Gustafson, K.D., Gagne, R.B., Vickers, T.W., Riley, S.P., Wilmers, C.C., Bleich, V.C., Pierce, B.M., Kenyon, M., Drazenovich, T.L., Sikich, J.A. and Boyce, W.M., 2018. Genetic source-sink dynamics among naturally structured and anthropogenically fragmented puma populations. *Conservation Genetics*, 20(2), pp.215-227.

<sup>2</sup> Benson, J.F., Mahoney, P.J., Vickers, T.W., Sikich, J.A., Beier, P., Riley, S.P., Ernest, H.B. and Boyce, W.M., 2019. Extinction vortex dynamics of top predators isolated by urbanization. *Ecological Applications*, 29(3), p.e01868.

parts of the state. We therefore strongly recommend the California Fish and Game Commission to initiate a full status review and advance Southern California and Central Coast mountain lions to candidacy.

Sincerely,

Tiffany Yap  
Scientist, Wildlife Corridor Advocate  
Center for Biological Diversity  
[tyap@biologicaldiversity.org](mailto:tyap@biologicaldiversity.org)

Beth Pratt  
California Regional Executive Director  
National Wildlife Federation  
[prattb@nwf.org](mailto:prattb@nwf.org)

Camilla H. Fox  
Founder & Executive Director  
Project Coyote  
[cfox@projectcoyote.org](mailto:cfox@projectcoyote.org)

Damon Nagami  
Senior Attorney, Nature Program  
Natural Resources Defense Council  
[dnagami@nrdc.org](mailto:dnagami@nrdc.org)

Laura Cunningham  
California Director  
Western Watersheds Project  
[lcunningham@westernwatersheds.org](mailto:lcunningham@westernwatersheds.org)

Vicki Long  
Executive Director  
Cougar Connection  
[vickiglong@aol.com](mailto:vickiglong@aol.com)

Catherine Rich  
Executive Officer  
The Urban Wildlands Group  
[longcore@urbanwildlands.org](mailto:longcore@urbanwildlands.org)

Penelope Maldonado  
Executive Director  
The Cougar Fund  
[penny@cougarfund.org](mailto:penny@cougarfund.org)

Debra Chase  
CEO  
Mountain Lion Foundation  
[dchase@mountainlion.org](mailto:dchase@mountainlion.org)

Brandon Dawson  
Policy Advocate  
Sierra Club California  
[brandon.dawson@sierraclub.org](mailto:brandon.dawson@sierraclub.org)

Travis Longcore  
Conservation Chair  
Los Angeles Audubon Society  
[laas@laaudubon.org](mailto:laas@laaudubon.org)

Tony Tucci  
Chair  
Citizens for Los Angeles Wildlife (CLAW)  
[tony@clawonline.org](mailto:tony@clawonline.org)

Zara McDonald  
President  
Felidae Conservation Fund  
[zaramcdonald@felidaeconservation.org](mailto:zaramcdonald@felidaeconservation.org)

Mark Elbroch  
Director of the Puma Program  
Panthera  
[melbroch@panthera.org](mailto:melbroch@panthera.org)

Melissa von Mayrhauser  
Watershed Programs Manager  
Los Angeles Waterkeeper  
[melissavm@lawaterkeeper.org](mailto:melissavm@lawaterkeeper.org)

Neal Desai  
Senior Program Director, Pacific Region  
National Parks Conservation Association  
[ndesai@npca.org](mailto:ndesai@npca.org)

Mati Waiya  
Executive Director  
Wishtoyo Foundation  
[matiwaiya@wishtoyo.org](mailto:matiwaiya@wishtoyo.org)

Janet Cobb  
Executive Officer  
California Wildlife Foundation/California  
Oaks  
[jcobb@californiawildlifeoundation.org](mailto:jcobb@californiawildlifeoundation.org)

Dan Silver  
Executive Director  
Endangered Habitats League  
[dsilverla@me.com](mailto:dsilverla@me.com)

Nickolaus Sackett  
Director of Legislative Affairs  
Social Compassion in Legislation  
[nick@socialcompassion.org](mailto:nick@socialcompassion.org)

Jack Eidt  
Co-Founder  
SoCal 350 Climate Action  
[jack.eidt@wilderutopia.com](mailto:jack.eidt@wilderutopia.com)

Carolyn Trocino  
Director  
Poison Free Agoura  
[PoisonFreeAgouraToday@gmail.com](mailto:PoisonFreeAgouraToday@gmail.com)

Andy Hsia-Coron  
President  
Preserve Our Rural Communities  
[info@PreserveOurRuralCommunities.org](mailto:info@PreserveOurRuralCommunities.org)

Stephany Lewis, DVM  
Veterinarian  
California Wildlife Center  
[stephany@cawildlife.org](mailto:stephany@cawildlife.org)

Eric Mills  
Coordinator  
Action for Animals  
[afa@mcn.org](mailto:afa@mcn.org)

Jeff Kuyper, J.D.  
Executive Director  
Los Padres ForestWatch  
[jeff@lpfw.org](mailto:jeff@lpfw.org)

Sharon Negri  
Director  
WildFutures  
[wildfutures.us@gmail.com](mailto:wildfutures.us@gmail.com)

Tanya Diamond  
Co-Principal: Wildlife Ecologist-GIS  
Analyst  
Pathways for Wildlife  
[tanya@pwwildlife.com](mailto:tanya@pwwildlife.com)

Andrea Mackenzie  
General Manager  
Santa Clara Open Space Authority  
[mlandgraf@openspaceauthority.org](mailto:mlandgraf@openspaceauthority.org)

Quinton Martins  
Director and Principal Investigator  
Living with Lions  
Audobon Canyon Ranch  
[quinton.martins@egret.org](mailto:quinton.martins@egret.org)

Claudia Naber  
Director  
Animazonia Wildlife Foundation  
[CNABER2@roadrunner.com](mailto:CNABER2@roadrunner.com)

Elissa Blair  
Board of Directors, Treasurer  
Advocacy Committee Chair  
California Council for Wildlife  
Rehabilitators  
[elissa@ccwr.org](mailto:elissa@ccwr.org)

Wendi Gladstone  
President  
Santa Susana Mountain Park Association  
[ssmpawendi@gmail.com](mailto:ssmpawendi@gmail.com)

Kelle Kacmarcik  
Director of Wildlife Solutions and  
Advocacy  
WildCare  
[kellekacmarcik@discoverwildcare.org](mailto:kellekacmarcik@discoverwildcare.org)

Kian Schulman  
Director  
Poison Free Malibu  
[PoisonFreeMalibu@gmail.com](mailto:PoisonFreeMalibu@gmail.com)

Johanna Hamburger  
Wildlife Attorney  
Animal Welfare Institute  
[johanna@awionline.org](mailto:johanna@awionline.org)

Brooks Fahy  
Executive Director  
Predator Defense  
[brooks@predatordefense.org](mailto:brooks@predatordefense.org)

Manny Gomez  
Director of Policy Initiatives  
Tree People  
[mgomez@treepeople.org](mailto:mgomez@treepeople.org)

Claire Schlotterbeck  
Executive Director  
Hills for Everyone  
[claire@schlotterbeck.net](mailto:claire@schlotterbeck.net)

Nick Jensen  
Conservation Scientist  
California Native Plant Society  
[njensen@cnps.org](mailto:njensen@cnps.org)

Lisa Levinson  
Wild Animals Campaign Director  
In Defense of Wildlife  
[lisa@idausa.org](mailto:lisa@idausa.org)

Jennifer Scarlett, DVM  
President  
San Francisco SPCA  
[bkuentzel@sfpca.org](mailto:bkuentzel@sfpca.org)

Julianna Tetlow  
Director of Government Relations  
San Diego Humane Society  
[jtetlow@sdhumane.org](mailto:jtetlow@sdhumane.org)

Julie Kluck  
Campaigns Associate  
Born Free USA  
[julie@bornfreeusa.org](mailto:julie@bornfreeusa.org)

Rick Hopkins, Ph.D.  
Senior Conservation Biologist  
Live Oak Associates, Inc.  
[rhopkins@loainc.com](mailto:rhopkins@loainc.com)

Lindsay Larris  
Wildlife Program Director  
WildEarth Guardians  
[llarris@wildearthguardians.org](mailto:llarris@wildearthguardians.org)