For Gabrielle Feldman (Environmental Policy Solutions) for EIS update to South-Eastern Farallon Islands eradication EIS

December 2016

Request to provide information to assist update of SEFI EIS. Looking for any documents relevant to mice, rodents, toxicants, eradications techniques, California. Including:

1. All peer-reviewed literature since June 2013
2. Any technical documents that IC authored or co-authored
3. Update from the DIISE.

Papers with IC staff authorship since 2013

1. McCreless, E.E., Huff, D.D., Croll, D.A., Tershy, B.R., Spatz, D.R., Holmes, N.D., Butchart, S.H.M., Wilcox, C., 2016. Past and estimated future impact of invasive alien mammals on insular threatened vertebrate populations. Nature Communications 7. doi:10.1038/ncomms12488
2. Rueda D., Campbell K.J., Fisher P., Cunninghame F. & Ponder J.B. (2016) Biologically significant residual persistence of brodifacoum in reptiles following invasive rodent eradication, Galapagos Islands, Ecuador. Conservation Evidence, 13, 38-38
3. Didion, J. P., A. P. Morgan, L. Yadgary, T. A. Bell, R. C. McMullan, L. Ortiz de Solorzano, J. Britton-Davidian, C. J. Bult, K. J. Campbell, R. Castiglia, Y.-H. Ching, A. J. Chunco, J. J. Crowley, E. J. Chesler, D. W. Förster, J. E. French, S. I. Gabriel, D. M. Gatti, T. Garland, E. B. Giagia-Athanasopoulou, M. D. Giménez, S. A. Grize, İ. Gündüz, A. Holmes, H. C. Hauffe, J. S. Herman, J. M. Holt, K. Hua, W. J. Jolley, A. K. Lindholm, M. J. López-Fuster, G. Mitsainas, M. da Luz Mathias, L. McMillan, M. d. G. M. Ramalhinho, B. Rehermann, S. P. Rosshart, J. B. Searle, M.-S. Shiao, E. Solano, K. L. Svenson, P. Thomas-Laemont, D. W. Threadgill, J. Ventura, G. M. Weinstock, D. Pomp, G. A. Churchill, and F. Pardo-Manuel de Villena. 2016. R2d2 Drives Selfish Sweeps in the House Mouse. Molecular Biology and Evolution 33:1381-1395.
4. Jones, H. P., N. D. Holmes, S. H. M. Butchart, B. R. Tershy, P. J. Kappes, I. Corkery, A. Aguirre-Muñoz, D. P. Armstrong, E. Bonnaud, A. A. Burbidge, K. Campbell, F. Courchamp, P. E. Cowan, R. J. Cuthbert, S. Ebbert, P. Genovesi, G. R. Howald, B. S. Keitt, S. W. Kress, C. M. Miskelly, S. Oppel, S. Poncet, M. J. Rauzon, G. Rocamora, J. C. Russell, A. Samaniego-Herrera, P. J. Seddon, D. R. Spatz, D. R. Towns and D. A. Croll (2016). "Invasive mammal eradication on islands results in substantial conservation gains." Proceedings of the National Academy of Sciences. *doi:10.1073/pnas.1521179113*
5. Hoffmann, B.D., Luque, G.M., Bellard, C., Holmes, N.D., Donlan, C.J., 2016. Improving invasive ant eradication as a conservation tool: A review. Biological Conservation 198, 37-49.
6. Russell, J.C., Jones, H.P., Armstrong, D.P., Courchamp, F., Kappes, P.J., Seddon, P.J., Oppel, S., Rauzon, M.J., Cowan, P.E., Rocamora, G., Genovesi, P., Bonnaud, E., Keitt, B.S., Holmes, N.D., Tershy, B.R., 2016. Importance of lethal control of invasive predators for island conservation. Conservation Biology, 30: 670-672
7. Newton K, McKown M, Wolf C, Gellerman H, Coonan T, Richards D, Harvey L, Holmes N, Howald G, Faulkner KR, Tershy B, Croll D (2016). Ecological change ten years after rat eradication on Anacapa Island. Journal of Fish and wildlife Management, 7: 1-14
8. Croll DA, Newton KM, McKown M, Holmes ND, Williams JC, Young HS, Buckelew S, Wolf CA, Howald G, Bock MF, Curl JA, Tershy BR (2016) Changes in an Island bird community after rodent eradication. Biological Invasions, 18: 703-715
9. Holmes ND, Howald G, Wegmann AS, Donlan CJ, Finkelstein M, Keitt B (2016) The potential for biodiversity offsetting to fund invasive species eradications on islands. Conservation Biology, 30: 425–427
10. Campbell, K. J., J. Beek, C. T. Eason, A. S. Glen, J. Godwin, F. Gould, N. D. Holmes, G. R. Howald, F. M. Madden, J. B. Ponder, D. W. Threadgill, A. S. Wegmann and G. S. Baxter (2015). "The next generation of rodent eradications: Innovative technologies and tools to improve species specificity and increase their feasibility on islands." Biological Conservation 185(0): 47-58.
11. Holmes, N. D., R. Griffiths, M. Pott, A. Alifano, D. Will, A. S. Wegmann and J. C. Russell (2015). "Factors associated with rodent eradication failure." Biological Conservation 185(0): 8-16.
12. Keitt, B., R. Griffiths, S. Boudjelas, K. Broome, S. Cranwell, J. Millett, W. Pitt and A. Samaniego-Herrera (2015). "Best practice guidelines for rat eradication on tropical islands." Biological Conservation 185(0): 17-26.
13. Pitt, W. C., A. R. Berentsen, A. B. Shiels, S. F. Volker, J. D. Eisemann, A. S. Wegmann and G. R. Howald (2015). "Non-target species mortality and the measurement of brodifacoum rodenticide residues after a rat (Rattus rattus) eradication on Palmyra Atoll, tropical Pacific." Biological Conservation 185(0): 36-46.
14. Pott, M., A. S. Wegmann, R. Griffiths, A. Samaniego-Herrera, R. J. Cuthbert, M. d. L. Brooke, W. C. Pitt, A. R. Berentsen, N. D. Holmes, G. R. Howald, K. Ramos-Rendón and J. C. Russell (2015). "Improving the odds: Assessing bait availability before rodent eradications to aid in selecting bait application rates." Biological Conservation 185(0): 27-35.
15. Russell, J. C. and N. D. Holmes (2015). "Tropical island conservation: Rat eradication for species recovery." Biological Conservation 185(0): 1-7.
16. Aslan, C., N. Holmes, B. Tershy, D. Spatz and D. A. Croll (2015). Benefits to Poorly Studied Taxa of Conservation of Bird and Mammal Diversity on Islands. Conservation Biology 29: 133-142.
17. Dawson, J., S. Oppel, R. J. Cuthbert, N. Holmes, J. P. Bird, S. H. M. Butchart, D. R. Spatz and B. Tershy (2015). Prioritizing Islands for the Eradication of Invasive Vertebrates in the United Kingdom Overseas Territories. Conservation Biology 29: 143-153.
18. Hanson CC, Jolley WJ, Smith G, Garcelon DK, Keitt BS, Little AE, Campbell KJ (2015) Feral cat eradication in the presence of endemic San Nicolas Island foxes. Biological Invasions 17(4), 977-986.
19. Schweizer, D., H. P. Jones and N. D. Holmes (2015). Literature Review and Meta-Analysis of Vegetation Responses to Goat and European Rabbit Eradications on Islands. Pacific Science 70(1): 55-71.
20. Will, D. J., K. J. Campbell and N. D. Holmes (2015). Using digital data collection tools to improve overall cost-efficiency and provide timely analysis for decision making during invasive species eradication campaigns. Wildlife Research 41(6): 499-509.
21. Wegmann, A., Stansbury, R., Alifano, A., Oberg, E., Pott, M., McClelland, P., Howald, G. (2014) Rats to Palm Trees: Baiting the canopy during the Palmyra Atoll Rat Eradication Project. Proc. 26th Vertebr. Pest Conf. (R. M. Timm and J. M. O’Brien, Eds.) Published at Univ. of Calif., Davis. 2014. Pp. 73-77.
22. Alifano, A., Moore, P., Mackin, W., Iverson, J., Griffiths, R., Fabres, B., Jolley, W., and Holmes, N. (2014). The power of partnerships – eradicating invasive mice from Allen Cay, the Bahamas. Proc. 26th Vertebr. Pest Conf. (R. M. Timm and J. M. O’Brien, Eds.) Published at Univ. of Calif., Davis. 2014. Pp. 78-82.
23. Feldman, G. and Howald, G. (2014). From planning to compliance: streamlining compliance for US rodent eradications. Proc. 26th Vertebr. Pest Conf. (R. M. Timm and J. M. O’Brien, Eds.) Published at Univ. of Calif., Davis. 2014. Pp. 91-97
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25. Pott, M., R. Griffiths, M.-H. Burle, and A. S. Wegmann. (2014). Protecting the Tuamotu Sandpiper (Prosobonia cancellata) one island at a time. Proc. 26th Vertebr. Pest Conf. (R. M. Timm and J. M. O’Brien, Eds.) Published at Univ. of Calif., Davis. 2014. Pp. 166-171
26. Spatz, D. R., K. M. Newton, R. Heinz, B. Tershy, N. D. Holmes, S. H. M. Butchart, and D. A. Croll. (2014). The Biogeography of Globally Threatened Seabirds and Island Conservation Opportunities. Conservation Biology. DOI: 10.1111/cobi.12279
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Le Corre, M., D. K. Danckwerts, D. Ringler, M. Bastien, S. Orlowski, C. Morey Rubio, D. Pinaud and T. Micol (2015). "Seabird recovery and vegetation dynamics after Norway rat eradication at Tromelin Island, western Indian Ocean." Biological Conservation 185(0): 85-94.

Ringler, D., J. C. Russell and M. Le Corre (2015). "Trophic roles of black rats and seabird impacts on tropical islands: Mesopredator release or hyperpredation?" Biological Conservation 185(0): 75-84.

Russell, J. C., S. Caut, S. H. Anderson and M. Lee (2015). "Invasive rat interactions and over-invasion on a coral atoll." Biological Conservation 185(0): 59-65.

Helmstedt, K. J., J. D. Shaw, M. Bode, A. Terauds, K. Springer, S. A. Robinson and H. P. Possingham (2016). "Prioritizing eradication actions on islands: it's not all or nothing." Journal of Applied Ecology 53(3): 733-741.

Doherty, T. S., A. S. Glen, D. G. Nimmo, E. G. Ritchie and C. R. Dickman (2016). "Invasive predators and global biodiversity loss." Proceedings of the National Academy of Sciences 113(40): 11261-11265.

Crowley, S. L., S. Hinchliffe and R. A. McDonald (2016). "Invasive species management will benefit from social impact assessment." Journal of Applied Ecology: n/a-n/a.

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Lawrence, S. N. and J. C. Daltry (2015). "Antigua announces 15th island cleared of invasive alien mammals." Oryx 49(03): 389-389.

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Broome, K., A. Cox, C. Golding, P. Cromarty, P. Bell and P. McClelland (2014). Rat eradication using aerial baiting. Current agreed best practice used in New Zealand (Version 3.0). Wellington, New Zealand, New Zealand Department of Conservation internal document: 24.

Bolton, M., A. Stanbury, A. M. M. Baylis and R. Cuthbert (2014). "Impact of introduced house mice (Mus musculus) on burrowing seabirds on Steeple Jason and Grand Jason Islands, Falklands, South Atlantic." Polar Biology 37(11): 1659-1668.

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