PROGRAM
46th Annual Meeting and Symposium
Virtual
February 9, 11, 16, 18, 23, and 25, 2021
PROGRAM CHAIR
Kristin H. Berry

MEETING CHAIRS
Ed LaRue and Cristina Jones

HOST AND ARRANGEMENTS COMMITTEE
Co-Chairs: Tracy Bailey and Mari Quillman
David Hedrick, Molly Peters, Joe Probst, and Par Singhaseni

VENDORS
Maggie Fusari

WEB and Zoom Assistance
David Hedrick and Jordan Gray, Turtle Survival Alliance

SPONSORS
Mari Quillman

PHOTOGRAPHY CONTEST
Joe Probst

AWARDS
Kristin Berry and Michael Tuma

RAFFLE AND AUCTION
Chair: Mari Quillman
Joe Probst, Molly Peters, and Par Singhaseni

BOARD OF DIRECTORS

Officers
Chair: Ken MacDonald
Past Chair: Michael Tuma
Recording Secretary: Ed LaRue
Corresponding Secretary: Becky Jones
Treasurer: Joe Probst
Membership Coordinator: Mari Quillman

Board Members at Large
Kristin Berry
Greer Dolby
Maggie Fusari
Michael Vamstad
Judy Hohman
Cristina Jones
Halle Kohn
Bruce Palmer
Peter Woodman
SPONSORS FOR 2021

Bio-logical, LLC, 1400 Colorado Street, Suite C, Boulder City, NV 89005
Phone: (702) 934-1311  https://getbiological.com/

Circle Mountain Biological Consultants, Inc., P.O. Box 3197, Wrightwood, CA 92397
Phone: (760) 249-4948  https://www.circlemountainbiological.com/

Defenders of Wildlife, 980 Ninth Street, Suite 1730, Sacramento, CA 95814
Phone: (916) 442-5746  https://defenders.org/

Ecocentric, 2880 Bicentennial Pkwy, Ste 100, #160, Henderson, NV 89044
Phone: (760) 382-2953  www.ecocentricnv.com

ECORP Consulting, Inc., 2861 Pullman Street, Santa Ana, CA 92705
Phone: (714) 648-0630  http://ecorpconsulting.com/

EDF Renewables, 15445 Innovation Drive, San Diego, CA 92128
Phone: (888) 903-6926  https://www.edf-re.com/

8minute Solar Energy, 5455 Wilshire Blvd., Suite 2010, Los Angeles, CA 90036
Phone: (323) 525-0900  https://www.8minute.com/

ERTEC E-Fence™ Wildlife Exclusion Fence Systems, 1150 Ballena Blvd., Suite 250, Alameda, CA 94501
Phone: (510) 521-0724  https://ertecsystems.com/

Holohil Systems, Ltd., 112 John Cavanaugh Drive, Carp, Ontario, K0A 1L0
Phone: (613) 839-0676  www.holohil.com

Ironwood Consulting Inc., 370 Alabama Street, Redlands, CA 92373
Phone: (949) 351-0192  http://www.ironwoodbio.com/

NewFields, 3265 N. Fort Apache Road, Suite 110, Las Vegas, NV 89129
Phone: (702) 906-2500  http://www.newfields.com/

POWER Engineers, Inc., 9097 Spoonbill Ridge Place, Las Vegas, NV 89143
Phone: (702) 496-5629  http://www.powereng.com/

Rincon Consultants, Inc., 180 N. Ashwood Avenue, Ventura, CA 93003
Phone: (805) 738-5220 ext. 3059  https://www.rinconconsultants.com/

Solution Strategies, 20129 U.S. Highway 18, Apple Valley, CA 92307
Phone: (760) 946-9933

Southern Nevada Environmental, Inc. (SNEI), 9160 Dean Martin Drive, Las Vegas, NV 89139
Phone: (702) 248-5370  http://www.snei.com/

VMSI, Inc., 5201 Glenwood Circle, La Palma, CA 90623
Phone: (714) 325-4200

Wildlands, 3301 Industrial Avenue, Rocklin, CA 95765
Phone: (916) 435-3555  https://www.wildlandsinc.com/
PROGRAM

46th ANNUAL DESERT TORTOISE COUNCIL SYMPOSIUM (Virtual)
Held the mornings of February 9, 11, 16, 18, 23, and 25, 2021
All sessions and presentations are in Pacific Standard Time

Note: Speakers are the first person noted for each presentation unless * denotes otherwise
Raffles and announcements shall be held at the end of each break

FEBRUARY 9, 2021, TUESDAY

8:00 a.m. Business Meeting of the Desert Tortoise Council

8:45 a.m. Opening Remarks and Introductions of Meeting Chairs: Ed LaRue and Cristina Jones, Members, Board of Directors of the Desert Tortoise Council
Ken MacDonald, Chair, Desert Tortoise Council, and NewFields, Las Vegas, NV

Session 1. We Stand on the Shoulders of Giants: A Tribute to a Giant in Turtle and Tortoise Research, Conservation, and Education

9:00 a.m. A personal remembrance and memorial tribute to Peter C.H. Prichard: Friend, colleague, mentor, and kindred turtle spirit
Anders G.J. Rhodin, M.D., Chairman of the Board, Turtle Conservancy; Founder and Director, Chelonian Research Foundation

Session 2. High Priority Conservation and Recovery Actions for Agassiz’s and Sonoran Desert Tortoises
Invited and Honored guests:

Plenary Address: Sarah Thomas

9:20 a.m. Building community around desert tortoise conservation in Southwest Utah: Advocacy, outreach and stewardship with Conserve Southwest Utah
Sarah Thomas, Public Lands Program Director, Conserve Southwest Utah

10:00 a.m. Break

10:30 a.m. The Sonoran desert tortoise’s long slow journey to Endangered Species Act protection
Cindi Tuell, Director, Arizona and New Mexico, Western Watersheds Project, Tucson, AZ

10:50 a.m. Advancing desert tortoise protection and recovery
Ileen Anderson¹, Public Lands Desert Director/Senior Scientist; Lisa Belenky², Senior Attorney, and Patrick Donnelly³, Nevada Director;¹ Los Angeles, CA; ²San Francisco, CA; and ³Las Vegas, NV

11:10 a.m. Panel with presenters and participants at the meeting
Session 3. A Tribute to Philip A. Medica, a Tortoise Biologist

11:35 a.m.  **A Tribute to Philip A. Medica: Herpetologist, Conservationist, Mentor, and Friend**
*Todd C. Esque¹, Kenneth E. Nussear², K. Kristina Drake¹, and R. Bruce Bury³: ¹U.S. Geological Survey, Henderson, NV; ²University of Nevada, Reno; and ³Herpetological Conservation and Biology, OR*

11:55 a.m.  Closing remarks for the end of February 9 Sessions

---

**FEBRUARY 11, 2021, THURSDAY**

Session 4. Tribute to Dr. Margaretha Hofmeyr, A Significant Tortoise Scientist and Conservationist in South Africa

8:00 a.m.  **Margaretha Delina Hofmeyr, In Memoriam, 1950-2020**
*Brian T. Henen*

Session 5. Attributes of Tortoise Populations and their Habitats: Genetics, Demography, and Connectivity

8:15 a.m.  **Historical effective population size and geographic population structure in Mojave and Sonoran desert tortoises**
*Greer A. Dolby¹*, Timothy H. Webster², Hazel Byrne², Dale F. DeNardo¹, Kenro Kusumi¹: ¹Arizona State University; and ²University of Utah

8:30 a.m.  **Comparative analysis of immune gene family evolution and sex-biased expression based on a de novo genome for the Sonoran desert tortoise, Gopherus morafkai (Student Paper)**
*Joseph P. Orton*, Dale F. DeNardo, Kenro Kusumi*, and Greer A. Dolby: Arizona State University, Tempe, AZ

8:45 a.m.  **Range-wide Occupancy Trends for Mojave Desert Tortoises**
*Amanda M. Kissel¹, Bryan Wallace¹, Jesse Anderson, ¹Brett G. Dickson¹, Roy Averill-Murray², Linda Allison², and Amy Fesnock³: ¹Conservation Science Partners, Truckee, CA; ²U.S. Fish and Wildlife Service, Reno, NV; and ³Bureau of Land Management, CA.*

9:00 a.m.  **“Unscrambling” the drivers of egg production in Agassiz’s desert tortoise: Climate and individual attributes predict reproductive output (Student Paper)**
*Corey I. Mitchell¹, Derek A. Friend³, Lauren T. Phillips¹, Elizabeth A. Hunter², Jeffrey E. Lovich³, Mickey Agha³, Shellie R. Puffer⁴, Kristy L. Cummings³, Philip A. Medica¹, Todd C. Esque³, Kenneth E. Nussear¹, and Kevin T. Shoemaker¹: ¹University of Nevada, Reno, NV; ²Georgia Southern University, GA; ³U.S. Geological Survey, Flagstaff, AZ; ⁴Washington Department of Fish and Wildlife, WA; and ³U.S. Geological Survey, NV*
9:15 a.m.  Mojave Desert grasslands: 40 years of collecting historical ecological evidence of past and present native plant community diversity  
*Laura Cunningham: California Director, Western Watersheds Project, Beatty, NV*

9:30 a.m.  Habitat characteristics of contact zones using network modeling on desert tortoise populations  
*Kenneth E. Nussear¹, T. C. Esque², A. Modlin²,³, and B. Todd⁴: ¹University of Nevada Reno, NV; ²U.S. Geological Survey, Henderson, NV; and ³University of California, Davis, Davis CA*

9:45 a.m.  Determining current and future drivers of habitat differentiation for the Mojave Desert Tortoise, *Gopherus agassizii*, across its range in the Mojave Desert (Student Paper)  
*Anjana Parandhaman¹*, Nathan Byer¹, Thomas Dilts¹, Marjorie D. Matocq¹, Doug P. Boyle¹, Scott D. Bassett¹, Amy G. Vandergas², Todd C. Esque¹, Jill S. Heaton¹, and Kenneth E. Nussear¹: ¹University of Nevada, Reno, NV; ²U.S. Geological Survey, San Diego, CA; and ³U. S. Geological Survey, Henderson, NV

10:00 a.m.  Break

10:30 a.m.  Intrinsic and extrinsic factors regulate dispersal in Mojave desert tortoise (Student Paper)  
*Steven J. Hromada¹*, Todd C. Esque², Amy G. Vandergast³, Kirsten E. Dutcher¹, Kenneth E. Nussear¹: ¹University of Nevada, Reno; ²U.S. Geological Survey, Henderson, NV; ³U.S. Geological Survey, San Diego, CA

10:45 a.m.  **POSTER:** Estimating reductions in landscape connectivity for Sonoran desert tortoises (*Gopherus morafkai*) in the United States-Mexico Border Region  
*Sean Sutor, Nancy E. McIntyre, Kerry Griffis-Kyle: Texas Tech University, TX*

11:00 a.m.  Panel discussion with presenters and audience

**Session 5. Ecology and Behavior of Texas and Bolson Tortoises**

11:20 a.m.  Characterization of Texas tortoise (*Gopherus berlandieri*) home ranges and habitat use in Cameron County, Texas (Student Paper)  
*Daniel A. Guerra¹, Joseph A. Veech¹, and Todd C. Esque²: ¹Texas State University, San Marcos; and ²U.S. Geological Survey, Henderson, NV*

11:35 a.m.  Thermal ecology and activity patterns of adult and juvenile bolson tortoises (Student Paper)  
*Julia Joos¹, Christiane Wiese², Scott Hillard²,³, and Donald B. Miles¹: ¹Ohio University, Athens, OH; ²Turner Endangered Species Fund, Caballo, NM; ³University of California, Los Angeles, CA*

11:50 a.m.  Panel discussion with presenters and audience

12:05 p.m.  Closing remarks for the end of the February 11 sessions
February 16, 2021, Tuesday

Session 6: Health and Disease in Turtles and Tortoise and the Potential for Spillover to Naïve Species

Plenary Address: Elliott Jacobson

8:00 a.m. Health issues of chelonians: Past, present, and future
Elliott Jacobson: University of Florida, Gainesville

8:40 a.m. A novel herpesvirus detected in three different species of chelonians
*John M. Winter, James F. X. Wellehan, Kathleen Apakupakul, Jamie Palmer, Maris Brenn-White, Kali Standauf, Kristin H. Berry, April Childress, Pete Koplos, Michael M. Garner, and Sharon L. Deem: 1University of Illinois Urbana, IL; 2University of Florida, Gainesville, FL; 3Saint Louis Zoo, Saint Louis, MO; 4THRIVE Affordable Vet Care, Jacksonville, FL; 5U.S. Geological Survey, Reno, NV; 6El Paso Veterinary Specialty Center, El Paso, TX; 7Northwest ZooPath, Monroe, WA; 8Veterinary Specialty Center of Seattle, WA

8:55 a.m. Facing the pathogen cold-blooded
Francesco Origgi: Vetsuisse Faculty, University of Bern, Bern, Switzerland

9:20 a.m. Tracing the legacy of anthropogenic radionuclides from 20th Century nuclear testing in desert tortoises (Gopherus agassizii) at the Nevada Test Site
Cyler Conrad, Allison Wende, Jeremy Inglis, Travis Tenner, Kimberly Wurth, Benjamin Naes, Jeanne Fair, Shannon Gaukler, Jeffery Whicker, Washington Tapia Aguilera, James Gibbs, and Blair Wolf: 1Los Alamos National Laboratory, Los Alamos, NM; 2University of New Mexico, Albuquerque, NM; 3Giant Tortoise Restoration Initiative, Galapagos Conservancy, Fairfax, VA; and 4State University of New York, Syracuse, NY

9:35 a.m. Comprehensive evaluation of immune and physiological dysregulation in Mojave desert tortoises using altered diet as a natural stressor
Kristina Drake*, Michael Treat, Todd Esque, and Frank van Breukelen: 1U.S. Geological Survey, Henderson, NV; and 2University of Nevada, Las Vegas

9:50 a.m. Diet influences survival, growth, and microbiome composition in the Mojave desert tortoise

10:05 a.m. Break
10:30 a.m.  **Borrellosis transmission from ticks to humans associated with desert tortoise burrows – examples of tick-borne relapsing fever in the Mojave Desert (Student Paper)**  
Molly J. Bechtel¹, K. Kristina Drake², Todd C. Esque², Mike B. Teglas³, Jeff T. Foster¹ and Nathan C. Nieto¹: ¹Northern Arizona University, Flagstaff, AZ; ²US Geological Survey, Western Ecological Research Center, Henderson, NV; and ³University of Nevada-Reno, NV

10:45 a.m.  **Analysis of captive desert tortoise health data**  
Florence M. Deffner¹ and Sarah Mortimer²: ¹U.S. Fish and Wildlife Service, Las Vegas, NV; and ²Tortoise Group, Las Vegas, NV

11:05 a.m.  Panel discussion with presenters and attendees

Session 7.  A View of the History of Desert Tortoise Research and Conservation

11:30 a.m.  **Historical perspective on the desert tortoise: Field and conservation efforts in the Late Holocene up to its listing**  
R. Bruce Bury:  Herpetological Conservation and Biology, Corvallis, OR

11:45 a.m.  Questions to the speaker, followed by Closing of the February 16 sessions

FEBRUARY 18, 2021, THURSDAY

Session 8: Roads, Fires, and Other Anthropogenic Effects on Tortoise

Plenary Address: Craig Stanford

8:00 a.m.  **Turtles in Trouble: Tortoise and Freshwater Turtle Conservation Priorities in the 21st Century**  
Craig Stanford, Chair: Tortoise and Freshwater Turtle Specialist Group, IUCN Species Survival Commission, and University of Southern California, Los Angeles, CA

8:30 a.m.  **Desert Tortoise Transportation Ecology Workshop**  
*Florence M. Deffner¹, Elizabeth Fairbank², Marcel Huijser³, Rob Ament³, Nicholas Maya², Angelina L. Gonzalez-Aller², and Kerry Holcomb⁵; ¹U.S. Fish and Wildlife Service, Las Vegas, NV; ²Center for Large Landscape Conservation, Bozeman, MT; ³Montana State University, Bozeman, MT; ⁴University of Montana, MT; and ⁵U.S. Fish and Wildlife Service, Palm Springs, CA

8:50 a.m.  **Use of survey data to identify key issues and insights regarding implementation of conservation actions to address effects of roads on Mojave desert tortoise (Gopherus agassizii) recovery (Student Paper)**  
*Nicholas Maya¹, Angelina L. Gonzalez-Aller², Elizabeth Fairbank², and Florence M. Deffner¹: ¹University of Montana, MT; ²Center for Large Landscape Conservation, MT; ³U.S. Fish and Wildlife Service, Las Vegas, NV
9:10 a.m. **Fire Mortality within the Red Cliffs Desert Reserve**  
*Ann M. McLuckie*, Richard A. Fridell*, John O. Kellam2, Michael J. Schijf3 and Cameron B. Rognan3: 1Utah Division of Wildlife Resources, Hurricane, UT; 2Bureau of Land Management, St. George, UT; and 3Habitat Conservation Administration, Washington County, St. George, UT

9:25 a.m. **POSTER: Activity patterns of the spur-thighed tortoise in the central Mediterranean**  
*Claudia Corti and Marta Biaggini*: University of Florence, Italy

9:45 a.m. Break

Session 9. Predators on Turtles and Tortoises

**Invited Speaker: Patrick D. Moldowan**

10:15 a.m. **Hyperpredation of tortoises and freshwater turtles by subsidized corvids: Global case studies of a conservation conundrum (Student Paper)**  
*Patrick D. Moldowan*: Algonquin Wildlife Research Station and University of Toronto, Ontario, Canada

10:45 a.m. **Three-tiered management of common raven density within California’s Tortoise Conservation Areas**  
*Kerry Holcomb*, U.S. Fish and Wildlife Service, Palm Springs, CA

11:05 a.m. **Three-D printed tortoise models used to measure predation risk by Common ravens**  
*William I. Boarman*1,2, Ryan D. Boarman2, Tim Shields1, Kerry Holcomb3:  
1Hardshell Labs, Inc., Haines, AK; 2Conservation Science Research and Consulting, Spring Valley, CA; and 3U.S. Fish and Wildlife Service, Palm Springs, CA

11:20 a.m. **Modeling and mapping predation risk to desert tortoise populations**  
*William I. Boarman*1, Ryan D. Boarman2, and William B. Kristan, III3:  
1Conservation Science Research & Consulting, Spring Valley, CA; 2University of Cologne, Cologne, Germany; and 3California State University, San Marcos, CA

11:35 a.m. **Non-invasive genetics reveals higher frequencies of canid predation on the Mojave desert tortoise (Gopherus agassizii) than estimates based on morphological analysis**  
*Lillian D. Parker*1,2, Jessica D. Quinta1, Isabel Rivera1, Brian L. Cypher2, Erica C. Kelly1, Robert C. Fleischer1, William I. Boarman4, Ryan D. Boarman4, and Jesús E. Maldonado1: 1Smithsonian Conservation Biology Institute, National Zoological Park, Washington, DC; 2George Mason University, Fairfax, VA; 3Endangered Species Recovery Program, California State University, Stanislaus; and 4Conservation Science Research and Consultation, Spring Valley, CA

11:50 a.m. Panel with presenters and audience

12:05 p.m. Closing Remarks and end of the February 18 sessions
Session 10. Mitigation and Recovery of Desert Tortoise Populations Using Augmentation

Plenary Address:  Bryan Wallace

8:00 a.m.  Multi-year, comprehensive monitoring of tortoise translocations in the Ivanpah Valley: Lessons learned for research, management, and conservation
Bryan P. Wallace¹, Brett G. Dickson¹, Rick Scherer¹, Miranda Gray¹, Amanda Kissel¹, Jesse Anderson¹, Brian Cohn², Amanda Scheib³, Bruce Weise⁴:
¹Conservation Science Partners, Truckee, CA; ²Upwelling, Inc., Ventura, CA; ³Scheib Biological LLC, Henderson, NV; and ⁴Southwestern Ecological Research Company, Tucson, AZ

8:30 a.m.  Factors affecting survival of adult desert tortoises during the 10 years following long-distance translocation
Kristin H. Berry¹,² and Jeremy S. Mack¹,²,³: U.S. Geological Survey, Riverside¹, CA, and Reno², NV; ³Lehigh University, Bethlehem, PA

8:50 a.m.  Translocation and headstart advances of the Marine Corps Air Ground Combat Center (Combat Center)
Brian T. Henen; Marine Air Ground Task Force Training Command Marine Corps Air Ground Combat Center, Twentynine Palms, CA

Plenary Address:  Brian Todd

9:10 a.m.  The value of head-starting in desert tortoise conservation and recovery
Brian D. Todd¹, Tracey D. Tuberville², Kurt A. Buhlman², and J. Mark Peaden³:¹University of California Davis, Davis, CA; ²University of Georgia’s Savannah River Ecology Lab, PO Aiken, SC; and ³Rogers State University, Claremore, OK

9:40 a.m.  The role of physiological stress in head-starting success for Mojave desert tortoises (Student Paper)
*Carmen M. Candal¹,², Kurt A. Buhlmann², Brian D. Todd³, Kristen J. Navara¹, Clinton T. Moore⁴, Pearson A. McGovern¹,²,⁶, Nicole I. Stacy (tentative)⁵, and Tracey D. Tuberville²: ¹University of Georgia, Athens, GA; ²Savannah River Ecology Lab, University of Georgia, Aiken, SC; ³University of California, Davis, Davis, CA; ⁴U.S. Geological Survey, Georgia Cooperative Fish and Wildlife Research Unit, University of Georgia; ⁵Current affiliation: African Chelonian Institute, Ngazobil, Senegal; ⁶University of Florida, Gainesville, FL

9:55 a.m.  Break

10:25 a.m.  Developing a population augmentation strategy for the Mojave desert tortoise
Linda J. Allison and Roy Averill-Murray; U.S. Fish and Wildlife Service, Reno, NV
10:40 a.m.  Panel of presenters and participants

11:00 a.m.  **Honoring the Life of Phillip C. Rosen (1955-2020)**  
*Mercy Vaughn*

11:15 a.m.  Closing Remarks and end of the February 23 Sessions

---

**FEBRUARY 25, 2021, THURSDAY**

**Session 11. Government and Non-profit Actions to Address Recovery of the Desert Tortoise**

8:00 a.m.  **U.S. Fish and Wildlife Service update on the desert tortoise recovery activities**  
*Roy C. Averill-Murray: U.S. Fish and Wildlife Service, Reno, NV*

8:15 a.m.  **Management of desert tortoise habitat on Bureau of Land Management lands in California**  
*Mark Massar; U.S. Bureau of Land Management, Desert District, Palm Springs, CA*

8:30 a.m.  **Clark County Multiple Species Habitat Conservation Plan update**  
*Scott Cambrin: Clark County Desert Conservation Program, Las Vegas, NV*

8:45 a.m.  **Desert tortoise public outreach: Desert Tortoise Week 2019-2020**  
*Vincent P. James, U.S. Fish and Wildlife Service, Palm Springs, CA*

9:00 a.m.  **Desert tortoise management and research in Joshua Tree National Park**  
*Michael Vamstad, Wildlife Ecologist: Joshua Tree National Park, Twentynine Palms, CA*

9:15 a.m.  **Recovery progress at Mojave National Preserve**  
*Neal Darby, Debra Hughson, and Mike Gauthier: Mojave National Preserve, Barstow, CA*

9:30 a.m.  **Innovative partnerships & stakeholder outreach opportunities facilitating desert tortoise conservation during COVID-19**  
*Alejandrina R. Ocañas, James Danoff-Burg, and Sarah Greely: The Living Desert Zoo and Gardens, Palm Desert, CA*

9:45 a.m.  Panel of presenters and questions from the audience

10:00 a.m.  Break

10:15 a.m.  **Film: Desert tortoises: Protecting a threatened species**  
*Katerina Koytcheva, Student, University of Nevada, Las Vegas*
Session 12. The Egyptian Tortoise: An Invited Presentation

Invited Speaker: Omar Attum

10:45 a.m. Lessons learned from twenty years of Egyptian tortoise conservation and research in Egypt
Omar Attum1, Basem Rabia2, Sherif Baha El Din3: 1Indiana University Southeast, IN; 2Zaranik Protected Area, North Sinai, Egypt; and 3Nature Conservation Egypt, Cairo, Egypt

Announcements of Awards

11:15 a.m. Winners of the Photographic Contest
11:30 a.m. Best Student Paper Award
11:40 a.m. Winner of the David J. Morafka Memorial Research Award
11:50 a.m. Desert Tortoise Council Awards
12:10 p.m. Closing Remarks and end of the 46th Annual Symposium
Nonprofit Partner Organizations

Center for Biological Diversity. Ileen Anderson, 660 S Figueroa St, Suite 1000, Los Angeles CA 90017, Phone: (323) 490-0223. Website: www.biologicaldiversity.org. Email: ianderson@biologicaldiversity.org

Desert Tortoise Preserve Committee. Sophia Osho, Executive Administrator, P.O. Box 940, Ridgecrest, CA 93556. Phone (442)294-4258. Website: www.tortoise-tracks.org, Email: dtpc@tortoise-tracks.org

The Living Desert Zoo and Gardens. Sarah Greely, 47900 Portola AV, Palm Desert CA 92260, Phone: (760) 346-5694, Website www.LivingDesert.org. Email: sgreely@livingdesert.org, aocanas@livingdesert.org


Tortoise Group. Sarah Mortimer, 2000 East Flamingo, Las Vegas NV 89119. Phone: (702) 739-7113. Website: tortoisegroupl.org. Email: sarahmortimer@tortoisegroup.org

Western Watersheds Project. Laura Cunningham, PO Box 70, Beatty NV 89003, Phone: (775) 513-1280, Website: https://www.westernwatersheds.org, Email: lcunningham@westernwatersheds.org