

**APPENDIX C**  
**LIST OF FIELD BIOLOGISTS AND QUALIFICATIONS**

<b>Name</b>	<b>Affiliation</b>	<b>Qualifications</b>
Alice E. Karl, Ph.D.	Alice E. Karl & Associates, Inc.	Thirty years experience studying desert tortoises, including heading several survey teams for the purposes of determining species presence and impacts assessments for developments such as pipelines, transmission lines, and mining projects. Holds two advanced degrees, both involving desert tortoises, and has conducted long-term research on desert tortoise reproduction, population viability, behavior, and translocation. Has also studied plant ecology for thirty years in California, Nevada Utah, and Sonora, Mexico and has conducted surveys for rare plants, desert invertebrates, and mammals.
Leslie Backus, M.Sc.	Alice E. Karl & Associates, Inc.	Seventeen years experience nationally and internationally in biological resource management and GIS analysis projects. Field experience includes wildlife surveys, reproductive surveys, demographic studies, vegetation analysis, animal tagging/banding and radio telemetry.
Bret Blosser, Ph.D.	Alice E. Karl & Associates, Inc.	Six years experience conducting biological field work with desert tortoises, including radio-tracking, handling, and surveying for desert tortoises. Familiar with prominent Mojave Desert bird, reptile, and plant species.
Lehong Chow	Ironwood Consulting	One year experience conducting desert tortoise presence/absence surveys in the desert southwest.
Steve Emerson	Alice E. Karl & Associates, Inc.	Two years experience working in both the Mojave and Sonoran Deserts, including presence/absence surveys for the desert tortoise.
Emily Festger	Tetra Tech EC, Inc.	Two years experience working in the Mojave and Sonoran Deserts, including botanical surveys and construction monitoring for the desert tortoise and Mojave fringe-toed lizard.
Dave Focardi	Alice E. Karl & Associates, Inc.	Eight years experience in field biology, including desert tortoise research, and rare plant and wildlife surveys in the Mojave and Colorado deserts of California and Nevada.

<b>Name</b>	<b>Affiliation</b>	<b>Qualifications</b>
Paul Frank	Alice E. Karl & Associates, Inc.	Nineteen years experience specializing in field aspects of desert tortoise research and mitigation projects. Has also conducted numerous rare plant surveys and quantitative plant transects in the Mojave and Colorado Desert.
William (Bill) Hasskamp	Alice E. Karl & Associates, Inc.	Seven years experience conducting tortoise, plant, chuckwalla, burrowing owl, kit fox, raptor, and fringe-toed lizard surveys in the desert southwest.
Mary Ann Hasskamp	Alice E. Karl & Associates, Inc.	Seven years experience conducting desert tortoise, plant, chuckwalla, burrowing owl, kit fox, raptor, and fringe-toed lizard surveys in California, Nevada, and Mexico.
Shawn D. Lindey	Alice E. Karl & Associates, Inc.	Nine years experience working with reptiles and amphibians across the southeastern US, Central America, and in the desert southwest. Has been almost exclusively working with the desert tortoise for the past four years, including surveying, monitoring, and radio tracking.
Jacob Mohlmann	Alice E. Karl & Associates, Inc.	Eight years experience conducting bird counts throughout North America; has spent ninety hours conducting walking surveys, radio-tracking, replacing radio telemeters, recording information, and observing blood taking on both Sonoran and Sinaloan desert tortoises.
Nathan Mudry, M.Sc.	eGIS, Environmental & GIS Services, LLC	Twelve years of experience as an environmental consultant/biologist in southern California including the Colorado and Mojave Deserts. Experience includes monitoring of nesting grounds for endangered species, desert tortoise surveys, vegetation/habitat mapping, general avian surveys, and construction monitoring.
Michael Omana	Alice E. Karl & Associates, Inc.	Nine years experience conducting desert tortoise surveys in Nevada and California.
Tina Poole	Alice E. Karl & Associates, Inc.	Eleven years experience working with the desert tortoise in the desert southwest. Has also surveyed for invasive plants in California.
Arthur H. Schaub, M.Sc.	Alice E. Karl & Associates, Inc.	Over twenty years experience conducting biological surveys in the desert southwest, including Mexican spotted owl surveys, numerous threatened and endangered species surveys, vegetation surveys and desert tortoise surveys in the Mojave and Sonoran deserts.

<b>Name</b>	<b>Affiliation</b>	<b>Qualifications</b>
Liz (Jacqueline) Smith	Alice E. Karl & Associates, Inc.	Eight years experience in the desert southwest conducting desert tortoise presence/absence surveys, burrowing owl surveys, fringe-toed lizard surveys, and surveys for various cacti.
Tim Thomas	Alice E. Karl & Associates, Inc.	Thirty-five years experience as a botanist and resource manager, and five years experience as a consulting biologist conducting rare plant, desert tortoise, and burrowing owl surveys throughout California.
Kevin A. Walsh	Alice E. Karl & Associates, Inc.	Three years experience in field geology and environmental consulting in Pennsylvania and Arizona.
Jenny Weidensee	Alice E. Karl & Associates, Inc.	Twenty-seven years experience with natural resource management and scientific field data collection; eight years experience studying desert tortoises in the desert southwest. Other wildlife monitoring experience includes surveys for the Arizona toad, chuckwalla, Mojave ground squirrel, red-tailed hawk, Le Conte's thrasher, willow flycatcher, and sensitive and invasive plants.
Peggy Wood, M.Sc.	Peggy Wood, Inc.	Thirty-one years experience as a professional biological consultant, and twenty years experience working with desert tortoises across the Mojave and Sonoran deserts of California, Nevada, and Arizona. Has conducted desert tortoise and plant surveys for many types of proposed development across the Mojave, including over 50 projects throughout southern California.
Rachel Woodard	Alice E. Karl & Associates, Inc.	Fifteen years experience as a professional field biologist, with a specialty in conducting desert tortoise surveys across the California deserts. Also has experience conducting small mammal and passerine studies, as well as botanical surveys for common, threatened, and endangered plants across the western U.S.