



## **Summary Statement of Qualifications, William E. Haas/Pacific Coast Conservation Alliance**

### **Company Summary**

The Pacific Coast Conservation Alliance (**PCCA**), with offices in Paso Robles (San Luis Obispo County), San Diego (San Diego County), and Brawley (Imperial County), California, is a 501(c)(3) (non-profit) corporation chartered by the Internal Revenue Service in 2003 to serve the public through scientific research and conservation lands management. The PCCA provides its services to other not-for-profit organizations; Native American tribes; and federal, state, county, or municipal entities. PCCA may on occasion provide services through the public sector when governmental agencies, non-profits, and Native American tribes are the project end user. An additional role of the PCCA in the public sector is to provide open space and wildlife preserve support; to contribute scientifically defensible data and interpretations to further the survivorship of endangered and threatened species; and to analyze, critique, and validate methodologies and results of biological reports.

**PCCA** provides a range of specialty services concentrating primarily in the arenas of:

- **Open space and wildlife preserve design, document preparation, and management.**
- **Critical analysis of biological reports and evaluation of study methods relative to study purpose**
- **Design and implementation of wildlife studies**

### **Preserve Dedication Services**

**PCCA** provides a complete suite of services in support of open space and wild land preserve dedication.

### Conservation Easements and Preserve Management

In accordance with its IRS charter:

- **PCCA** is authorized to hold conservation easements.
- **PCCA** can additionally take fee title to conservation properties removing liabilities from HOAs, developers, and government agencies.
- **PCCA** accepts short-term, long-term, and perpetual management responsibilities for preserve lands.

### Document preparation

Having prepared documentation for more than 25 open space and wildlife preserve properties, working with pre-existing documents in need of editing, templates requiring site-specific tailoring, as well as document authorship from ground zero, PCCA can prepare a complete suite of legal record and management documents including:

- **Complete natural history and archaeological inventories**
- **Baseline survey reports required for conservation easements**
- **Perpetual and long-term land management plans**
- **Facilities management plans (e.g., for preserve infrastructure components) when applicable**
- **Supplemental plans (e.g., fencing and signage plans)**
- **Property analysis records (**PARs**)**

- Conservation easements
- Irrevocable letters of credit
- Trust fund agreements including perpetual management financial assurance agreements
- Endowment funding agreements
- Transfer responsibility agreements

### **Wildlife Conservation Field Services**

In support of its mission to support survivorship of threatened and endangered species, under the direction of Executive Director and Principal Biologist William Haas, PCCA provides the following field services:

- Preparation of historic natural history overviews of study areas
- Collection of data and preparation of baseline reports
- Pre-construction assessment of potential effects (constraints analyses) and development of best management practices to minimize or eliminate adverse wildlife impacts
- Pre-construction and site preparation monitoring plans
- Construction and post-construction monitoring plans
- Authoring and delivery of worker training and information programs
- Mitigation strategies

### **William E. Haas, Summary of Qualifications and Capabilities**

Mr. Haas has more than 30 years of experience preparing comprehensive natural resource inventories, conducting biological study analyses, developing mitigation and long-term management plans, and the design and implementation of intensive field studies that range from pure research to more than 50 construction and development-based projects that have utilized or incorporated the following specializations:

#### **Enhanced Study Methods**

- Electronic bat detection (Wildlife Acoustics™, SonoBat™, and AnaBat™ systems)
- Mist netting (birds, bats)
- Avian banding & recapture studies; line transect censuses; breeding bird surveys including area searches and focal methodologies (e.g., protocol surveys)
- Radar tracking (analysis of migratory patterns and movement cycles)
- Pitfall, turtle (via hoop net and sundeck rigs), and snake trapping
- Mammal trapping (w/Sherman solid, Sherman perforated, Stoddard, and wire mesh traps incl. Havahart™ and Tomahawk™ live traps)
- Spotlight surveys (for large mammal and meso-predator population estimation)

#### **Exotic removal and eradication**

- African clawed frog (*Xenopus laevis*)
- Brown-headed cowbird (*Molothrus ater*)
- Bullfrog (*Lithobates catesbeianus*)
- Red swamp crayfish (*Procambarus clarkii*)
- Red-eared slider (*Trachemys scripta elegans*)

### **Exotic Species Eradication, methods - target**

- Cowbird traps – Brown-headed Cowbird
- Hand capture and gigging – Invasive frogs
- Hoop nets, floating traps, hand capture – Aquatic turtles, crayfish
- Riflery (shotgun, pistol, and rifle) – As appropriate
- Seine netting – invasive fish and amphibians (incl. larvae)

### **Energy Project Support**

With the field of energy production expanding, PCCA has provided environmental support to the electric power and water transfer industries for over 25 years. In addition to providing support in the areas listed previously, PCCA has completed projects and provided operational support to these industries in the following areas:

- Analysis of impacts to migratory birds and bats
- Biology study design and development
- Land stewardship services (esp. document preparation and long-term/perpetual land management)
- Mitigation strategies including fiduciary responsibilities and cost assessments
- Theoretical analysis of physiological effects of flux, light, and extreme heat on vertebrates
- Water transfer impacts and release strategies

### **Species of expertise**

#### Birds

- Belding's Savannah Sparrow (*Passerculus sandwichensis beldingi*)
- Burrowing Owl (*Athene cunicularia*)
- California gnatcatcher (*Polioptila californica*)
- Least Bell's Vireo (*Vireo bellii pusillus*)
- Light-footed Ridgway rail (*Rallus obsoletus levipes*)
- Long-eared owl (*Asio otus*)
- Southwestern Willow Flycatcher (*Empidonax traillii extimus*)

#### Mammals

- American badger (*Taxidea taxus*)
- Stephens' kangaroo rat (*Dipodomys stephensi*)
- San Joaquin kit fox (*Vulpes macrotis mutica*)

#### Reptiles

- Coast horned lizard (*Phrynosoma coronatum*)
- Desert tortoise (*Gopherus agassizii*)
- Orangethroat whiptail (*Aspidoscelis hyperythra*)
- Two-striped Garter Snake (*Thamnophis hammondi*)
- Western pond turtle (*Actinemys marmorata*)

#### Amphibians

- Arroyo toad (*Anaxyrus californicus*)

- Coast Range newt (*Taricha torosa*)
- California red-legged frog (*Rana draytonii*)

## REFERENCES

### PRIVATE SECTOR

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