

Cindy Cleveland (Carpanzano)  
Clevelandbiological.com

Cleveland Biological  
535 Cuesta Place  
Arroyo Grande, California 93420

Cell: (805) 234-3759  
cindycleve@gmail.com

EDUCATION

**M.A., Biology**, *summa cum laude*  
University of California at Santa Barbara, 1996.

Thesis: Distributions and habitat associations of different age classes and mitochondrial genotypes of *Oncorhynchus mykiss* in streams in southern California.

**B.A., Biology/Anthropology**, *cum laude*  
University of California at San Diego, 1992.

8-hour Hazwoper Compliance Refresher, 2012, 2013, 2014, 2015, 2016, 2017  
40-Hour Hazwoper, August 2011  
10(a)(1)(A) USFWS California Red-Legged Frog Recovery Permit Number TE71222B-0  
Valid California Department of Fish and Wildlife Scientific Permit ID Number 13003  
Registered Yoga Teacher 200-hour Yoga Alliance  
Current CPR and First Aid Certification

EMPLOYMENT

**Principal Biologist**

Cindy Cleveland self employment  
Dates Employed: September 2002 to present.

- Protocol level California red-legged frog surveys for all wetlands at the Oceano Dunes State Vehicular Recreation Area for California State Parks
- Completion of reports and surveys for new hiking trail for the City of Arroyo Grande
- Obtained permits for Los Osos Wetland Conservation Project for Coastal San Luis Resource Conservation District.
- Completed Baseline Conditions Reports and Resource Assessment Reports for sixteen ranches for California Rangeland Trust. Reports assessed ranches for special status species and all property improvements.
- Wetland sensitive species and Vandenberg monkey flower surveys for a private ranch located in Lompoc, California.
- Weekly biological monitoring, preconstruction surveys and photomonitoring for emergency flood control project for the Cambria Community Service District.
- Invasive Species Eradication Project located in Morro Bay, California.
- Environmental monitoring for oil remediation projects located in the cities of Napa and San Luis Obispo, California.
- Wetland sensitive species survey for 17,000-acre ranch located in Santa Margarita, California.
- California red-legged frog, tidewater goby, steelhead trout and special status species surveys and monitoring for Cambria Emergency Water Supply Project.

- California red-legged frog, tidewater goby, steelhead trout, and special status species surveys and monitoring for two On-Farm Water Quality Demonstration Projects in Guadalupe and Los Osos, California.
- Completion of Biological Resources section for Southern SLO County Anza Trail Corridor Plan-Edna Valley/Price Canyon Project.
- Monitored and surveyed Arroyo Grande Creek for California red-legged frogs, steelhead trout, and nesting birds, for creek flood control projects from 2005 through 2018. Trained crews on biological monitoring and California red-legged frog surveys for 2008 through 2012. Principal author of California red-legged frog training manual. Co-authored San Luis Obispo Zone 9 Flood Control District website.
- Biological for Bradley Canyon Levee Extension Project, Santa Maria, California. On Biological Opinion (8-8-11-F-25) to survey, capture, handle, and relocate California red-legged frogs.
- Nesting bird survey and monitoring of work crews at hydrocarbon remediation site in Vallejo, California.
- Nesting bird survey at hydrocarbon remediation site in Lodi, California.
- Performed air quality monitoring and soil samples for hydrocarbon remediation site in San Luis Obispo County.
- Successfully obtained County, State, and Federal permits for oil remediation project in Nipomo, California. Presurveyed and monitored project site during construction for sensitive species. Wrote project site revegetation plan, long-term monitoring plan, and final biological survey reports for aforementioned agencies. On Biological Opinion (8-8-11-F-44) to survey, capture, and relocate California red-legged frogs. Writing of biannual Revegetation reports for 5 years.
- Principal author, Sisquoc River Trails Maintenance and Biological Training Guide, Los Padres National Forest, Santa Maria, California.
- California Department of Parks and Recreation California red-legged frog survey for Oso Flaco project. On Biological Opinion (8-8-09-F-22) to capture, handle, and monitor California red-legged frogs.
- Principal author, California red-legged frog habitat assessment for private development in San Luis Obispo County.
- Principal author, California red-legged frog Habitat Assessment submitted to County of San Luis Obispo for a housing development located in rural Arroyo Grande.
- Principal author, California red-legged frog Habitat Assessment submitted to County of San Luis Obispo for a wedding operation in Arroyo Grande.
- Principal author, Biological Assessment for California red-legged frogs and San Joaquin kit fox submitted to the City of Paso Robles for Viborg Development in Paso Robles.
- Principal author, Pismo Creek steelhead trout snorkeling surveys for Central Coast Salmon Enhancement.
- Principal author, California red-legged frog Habitat Assessment submitted to County of San Luis Obispo for classified Nipomo development.
- Principal author, nesting bird survey submitted to County of San Luis Obispo for Viborg Pit, Templeton.
- Principal author, Biological Assessment for the City of San Juan Bautista Infrastructure Improvements Program, which covered San Joaquin kit fox, California tiger salamander, and California red-legged frogs.

- Principal author, Biological Assessment, Essential Fish Habitat Report, and Incidental Harassment Authorization Report for Moss Landing Harbor District Redevelopment Project which covered western snowy plover, brown pelican, California least tern, Pacific harbor seal, California sea lion, southern sea otter, and tidewater gobies.
- Principal author, California red-legged frog Habitat Assessment submitted to County of San Luis Obispo for Cayucos Development.
- Surveyed Fauna for Dune Collaborative in Guadalupe-Nipomo Dunes.
- Edited and co-authored, "Terrestrial and Biological Resources in the Guadalupe-Nipomo Dunes" for Dunes Collaborative (500 pages).
- Researched fish kill for the City of Santa Maria.
- One of the keynote speakers at Dune Quest October 13, 2006, Guadalupe, CA.

### **Fish and Wildlife Biologist**

U.S. Forest Service Enterprise TEAMS

Dates Employed: January 2009 to present.

- Principal author, Wildlife Biological Evaluation/Biological Assessment for Horseshoe Campground project, Los Padres National Forest, Santa Maria, California.
- Principal author, Wildlife Biological Evaluation/Biological Assessment for Willow Spring Trail and Trailhead, Los Padres National Forest, Santa Maria, California.
- Principal author, Biological Evaluation Fisheries Specialist Report for Leonia Restoration Project, Idaho Panhandle National Forest.
- Principal author, Fisheries and Aquatic Species Biological Evaluation/Biological Assessment for Snow Basin Vegetation Management Project, Wallowa-Whitman National Forest, Oregon.
- Principal author, Fisheries Biological Evaluation/Biological Assessment for Boulder/Eagle and Snake Pine Grazing Allotments, Wallowa Whitman National Forest, Oregon.

### **Biologist**

Land Conservancy of San Luis Obispo County

- Dates Employed: May 2003 to December 2003.
- Principal author of the history and analysis of a multi-year program to eradicate invasive species in the Guadalupe-Nipomo Dunes.
- Participated in designing an invasive species monitoring program for the Guadalupe-Nipomo Dunes and completed a pre-construction survey for restoration work in Black Lake Canyon, Guadalupe, California.

### **Fish Biologist**

U.S. Forest Service

Wallowa Whitman National Forest, Baker City, OR

- Dates Employed: August 2001 to September 2002.
- Grade Level: GS-11.
- Principal author of the fisheries section for the North Fork Burnt River, Environmental Impact Statement (EIS). The EIS covered sixty mining claims in eastern Oregon that perform suction dredging, placer, and lode mining. Included field surveys of mining operations.

**Fish & Wildlife Biologist**

U.S. Forest Service

Los Padres National Forest, Goleta, CA

- Dates Employed: October 1998 to July 2001.
- Grade Level: GS-9 then GS-11.
- Fish and wildlife biologist for half of the Los Padres National Forest which covers over 2 million acres.
- Surveys of special-status species and wrote biological reports on steelhead trout, California red-legged frog, and Least Bell's Vireo populations and habitats.
- Direct supervision of herpetological and fisheries field survey crews.
- Project review and effects analyses, and field surveys to determine impacts from forest activities (e.g. roads, trails, campgrounds, cattle allotments, and abandoned mines) to threatened and endangered species.
- Interdisciplinary member of two watershed analyses projects (Arroyo Seco River and Sisquoc River).
- Wrote a biological assessment for the authorization of grazing on the Monterey Coast and biological assessment/biological evaluations for the Kirk and Ranch Fires burned area emergency rehabilitation teams.

**Wildlife Biologist**

Levine-Fricke-Recon, Santa Maria, CA.

- Dates Employed: September 1997 to October 1998.
- Principal biologist and project manager for floral and faunal surveys in Central California.
- Principal or co-author on Cypress Ridge Golf Course California red-legged frog presence/absence surveys, Nipomo High School special-status species survey, San Luis Obispo Creek steelhead habitat survey, Morro Creek Erosion Control Project, revegetation plan and project monitor for Pacific Gas and Electric Company, Salinas River steelhead habitat report.

**Fish & Wildlife Biologist**

U.S. Fish and Wildlife Service, Ventura, CA

- Dates Employed: January 1997 to July 1997.
- Grade Level: GS-9.
- Biologist for the permits and consultations division of the U.S. Fish and Wildlife Service.
- Reviewed projects in Ventura, Santa Barbara and San Luis Obispo Counties for compliance with the federal Endangered Species Act (ESA) and determined mitigation measures.
- Wrote three biological opinions for impacts to the California red-legged frog.

**Fish & Wildlife Biologist**

U.S. Forest Service

Los Padres National Forest, Goleta, CA

- Dates Employed: June 1995 to January 1997.
- Grade Level: GS-7, under a cooperative education agreement.
- Fisheries field crew leader. Surveyed streams across the Los Padres National Forest using stream habitat typing, stream condition inventory, and microhabitat analysis methods.

- Organized field data into GIS databases using ARCVIEW/ARCINFO for Sespe, Santa Paula, and Ventura watershed analyses.
- Worked on the Highway 58 Fire as a burned area emergency rehabilitation biologist.

### **Fish Biologist**

Pacific Southwest Research Station

U.S. Forest Service, Pacific Grove, CA

- Dates Employed: March 1993 to June 1995.
- Grade Level: GS-7.
- Performed direct mitochondrial DNA sequencing on Chinook salmon and rainbow and steelhead trout. At the time, we were the only lab that performed direct mitochondrial DNA sequencing on rainbow and steelhead trout.
- Presented and published two papers on the aforementioned work.

### **Fish Biologist**

U.S. Forest Service

Los Padres National Forest, Goleta, CA

- Dates Employed: July 1992 to March 1993.
- Grade Level: GS-5.
- Performed fish surveys on the Monterey Ranger District of the Los Padres National Forest.
- Principal investigator on a Fisheries Habitat Relationship Project.

## **Researcher**

San Diego Zoological Society

- Dates Employed: January 1989 to July 1992.
- Awarded one of the only two internships that year for the San Diego Zoo or San Diego Wild Animal Park and U.C. San Diego.
- Behaviorist for the Post-Occupancy Evaluation (POE) of the new gorilla tropics exhibit.

## **PUBLICATIONS**

Blecha, J., **Cleveland, C.**, Innis, D., Vogler, W. Fauna of the Guadalupe-Nipomo Dunes. May 2007.

**Carpanzano, C.** Wetland Delineations at the Former Unocal Oil Field. Presented at Levine-Fricke-Recon symposium. Lake Tahoe, California. September, 1998.

**Carpanzano, C.** The Endangered Species Act and Habitat Conservation Plans. A One-Day Course taught at U.C. Santa Barbara and California State Polytechnic University. August and September, respectively 1998.

Nielsen, J. L., **Carpanzano, C.**, Fountain, M. C. & Gan, C. A. 1996. Mitochondrial DNA freshwater habitats in southern California. Trans. Amer. Fish. Soc.

**Carpanzano, C.** Distribution and habitat associations of *Oncorhynchus mykiss* in streams in southern California. Abstract, presented at American Fisheries Society, Cal-Neva meeting, Ventura, CA, March 28, 1996.

Ogden, J.J. & **Carpanzano, C.** 1995. Naturalistic Zoo Exhibits: What is functional naturalism for exhibit animals. Chapter in, *Environmental Enrichment for Captive Animals*.

Ogden, J.J. & **Carpanzano, C.** 1991. Post-occupancy evaluation of Gorilla Tropics. Presented to Zoological Society of San Diego, San Diego, California.

## **AWARDS**

Status and Restoration of Steelhead in Southern California Streams. Principal investigators: **Carpanzano, C.** & Freel, M. awarded funding for 2 years, 1993.

"Most Likely to Succeed" Scholarship, University of California at San Diego, 1992.

Completed Los Padres National Forest and U.C. Santa Barbara cooperative education agreement, 1996.

Spot Award for Crew Leadership, 1999.

## **FELLOWSHIPS**

Graduate Academic Fellowship, University of California at Santa Barbara, 1995 and 1996.