

Wildlife and Species Expertise

Stillwater Sciences (Stillwater) has experience working with wildlife—from small benthic macroinvertebrates to large mammals—in both aquatic and terrestrial ecosystems. Stillwater scientists use a multifaceted approach to enhance survey detections by incorporating innovative technology (e.g., environmental DNA, acoustic monitoring) to collect data specific to a project, which may include identifying the presence of species and potential project-related impacts, designing habitat to enhance nesting or rearing opportunities, and monitoring the species response to habitat enhancements. Stillwater’s data collection contributes to the greater scientific understanding of species by documenting new populations, updating existing range distributions, monitoring population trends, and gaining a better insight into the fine-scale habitat elements required by species.

Stillwater wildlife biologists have expertise in environmental and regulatory compliance (including state and federal Endangered Species Acts, CEQA, and NEPA) related to sensitive and special-status species. From project inception to permit application development through project implementation, Stillwater scientists provide the best protection, mitigation, and/or avoidance recommendations to ensure the ongoing health and availability of habitat for target species by conducting preconstruction surveys, providing environmental awareness training, and monitoring construction activities.

Stillwater wildlife biologists are proficient at conducting field surveys and habitat assessments (with GIS, LiDAR, or on-the-ground assessments), performing desktop analysis, developing management plans, and conducting stakeholder consultation regarding special-status species, including but not limited to those listed below. Stillwater holds state or federal permits for species noted **in bold**. Additionally, Stillwater routinely surveys for migratory birds (both their presence and nests), benthic macroinvertebrates, and invasive species such as American bullfrogs, quagga mussels, and zebra mussels.



Stillwater's wildlife biologists have extensive experience conducting field surveys for the following species:

*Stillwater holds a federal and/or state handling permit for species **in bold**.*



AMPHIBIANS

California tiger salamander

Slender salamander (Batrachoseps) species

Western spadefoot

Yosemite toad

California red-legged frog

Cascades frog

Sierra Nevada yellow-legged frog

Foothill yellow-legged frog



REPTILES

Northwestern pond turtle

Alameda whipsnake

Giant garter snake

San Francisco garter snake



MAMMALS

Pallid bat

Townsend's bigeared bat

Spotted bat

Western red bat

Western mastiff bat

Western yellow bat

San Francisco duskyfooted woodrat

Saltmarsh harvest mouse

San Joaquin kit fox

Fisher

American badger



INVERTEBRATES

Freshwater shrimp

Vernal pool fairy and tadpole shrimp

Valley elderberry longhorn beetle

BIRDS

Osprey

Northern goshawk

Golden eagle

Swainson's hawk

Bald eagle

American peregrine falcon

California Ridgway's rail

California black rail

Greater sandhill crane

Western yellow-billed cuckoo

Western burrowing owl

Great gray owl

California spotted owl

Willow flycatcher (including subspecies)

Loggerhead shrike

Least Bell's vireo

Bank swallow

Coastal California gnatcatcher

Song sparrow (including subspecies)

Tricolored blackbird

Yellow-headed blackbird

Saltmarsh common yellowthroat

Yellow warbler

Stillwater Sciences

Stillwater Sciences is passionate about watershed science. We approach watershed analysis and restoration with rigorous science, innovation, and a collaborative decision-making process. We strive for simple, integrated solutions to complex and unwieldy environmental problems.

Sound interesting? Learn more at www.stillwatersci.com.

