



Minimum Experience and Qualifications for Partial Lists of Qualified Biologist

PLANNING & BUILDING DEPARTMENT • COUNTY OF SAN LUIS OBISPO
976 OSOS STREET • ROOM 200 • SAN LUIS OBISPO • CALIFORNIA 93408 • (805) 781-5600

The following identifies the County's current categories of biology expert lists and the minimum experience and qualifications expected of each biologist placed on these lists.

General Biologist List

- A bachelor's degree in biology, zoology, wildlife biology, natural resources, ecology, conservation biology, environmental biology, or related field
- Knowledge and experience in identification of San Luis Obispo County habitats and vegetation associations
- General knowledge of local plant and wildlife species
- General knowledge of sensitive habitats and plant and wildlife species
- Ability and experience in identifying potential impacts to plants, animals, and habitats
- Ability and experience in recommending mitigation measures to minimize impacts to plants, animals, and habitats
- Experience in monitoring for compliance with biological mitigation measures
- Ability and experience in writing complete, well-written technical reports as per the County Guidelines for Preparation of Technical Reports

Wildlife Biologist List

- A bachelor's degree in biology, zoology, wildlife biology, natural resources, ecology, conservation biology, environmental biology, or related field
- Knowledge and experience in identification of San Luis Obispo County wildlife habitats and vegetation associations
- General knowledge of local wildlife species and their habitats
- Knowledge of sensitive wildlife species and their habitats
- Ability and experience in identifying potential impacts to wildlife species and their habitats
- Ability and experience in recommending mitigation measures to minimize impacts to wildlife species and their habitats
- Experience in monitoring for compliance with wildlife –related mitigation measures
- Ability and experience in writing complete, well-written technical reports as per the County Guidelines for Preparation of Technical Reports

Marine Biologist List

- A bachelor's degree in biology, zoology, marine biology, oceanography, environmental biology, or related field
- Knowledge of the marine ecosystem and its functions
- Knowledge of local marine plant and animal species
- Ability and experience in identifying potential impacts to the marine ecosystem
- Ability and experience in recommending mitigation measures to minimize impacts to the marine ecosystem
- Experience in monitoring for compliance with marine-related mitigation measures
- Ability and experience in writing complete, well-written technical reports as per the County Guidelines for Preparation of Technical Reports

Botanist List

- A bachelor's degree in biology, botany, natural resources, ecology, conservation biology, environmental biology, or related field
- Knowledge and experience in identification of San Luis Obispo County habitats and vegetation associations
- Knowledge of local plant species
- Knowledge of local sensitive plant species and habitats
- Ability and experience in identifying potential impacts to plants and habitats
- Ability and experience in recommending mitigation measures to minimize impacts to plants and habitats
- Ability and experience in monitoring for compliance with botanical mitigation measures

- Ability and experience in writing complete, well-written technical reports as per the County Guidelines for Preparation of Technical Reports

San Joaquin Kit Fox Biologist List

- A bachelor's degree in biology, zoology, wildlife biology, natural resources, ecology, conservation biology, environmental biology, or related field
- Knowledge and experience in identification of San Luis Obispo County habitats and vegetation associations
- Ability to recognize potential San Joaquin kit fox habitat
- Knowledge of kit fox habitat requirements, prey species, and predator species
- Knowledge of kit fox sightings and distribution
- Attendance at a County and/or Fish and Game Department sponsored training workshop in the kit fox habitat evaluation process used by the County
- Knowledge and experience in all aspects of kit fox surveys, including pre-construction surveys; identification of kit fox dens, tracks and scat; nighttime spotlight surveys; and identification of kit fox during the day and at night
- Ability and experience in identifying potential impacts to kit fox and their habitats
- Ability and experience in recommending mitigation measures to minimize impacts to kit fox and their habitats
- Knowledge of County kit fox mitigation measures
- Ability and experience in conducting pre-construction briefings for kit fox protection
- Ability and experience in producing handouts for kit fox pre-construction briefings
- Ability and experience in monitoring for compliance with kit fox mitigation measures
- Ability and experience in writing complete, well-written technical reports as per the County Guidelines for Preparation of Technical Reports

Morro Bay Kangaroo Rat (MBKR) Biologist List

- A bachelor's degree in biology, zoology, wildlife biology, natural resources, ecology, conservation biology, environmental biology, or related field
- Knowledge and experience in identification of San Luis Obispo County habitats and vegetation associations
- Ability to recognize potential MBKR habitat
- Knowledge of MBKR habitat requirements, prey species, and predator species
- Knowledge of MBKR sightings and distribution
- Possession of federal and state permits to conduct surveys
- Knowledge and experience in USFWS protocol-level surveys including habitat assessment surveys and live-trapping surveys
- Knowledge and ability to recognize MBKR individuals and sign such as tail drags, tracks, and scat
- Ability and experience in identifying potential impacts to MBKR and their habitats
- Ability and experience in recommending mitigation measures to minimize impacts to MBKR and their habitats
- Ability to conduct pre-construction briefings for MBKR protection
- Ability to produce handouts for MBKR pre-construction briefings
- Ability to monitor for compliance with MBKR mitigation measures
- Ability and experience in writing complete, well-written technical reports as per the County Guidelines for Preparation of Technical Reports

California Red Legged Frog (CRLF) Biologist List

- A bachelor's degree in biology, zoology, wildlife biology, natural resources, ecology, conservation biology, environmental biology, or related field
- Knowledge and experience in identification of San Luis Obispo County habitats and vegetation associations
- Ability to recognize potential CRLF habitat
- Knowledge of CRLF habitat requirements and predator species
- Knowledge of CRLF sightings and distribution
- Knowledge and experience in all aspects of CRLF surveys, including pre-construction surveys; USFWS protocol-level surveys
- Ability and experience in identification of CRLF during the day and at night
- Ability and experience in identifying potential impacts to CRLF and their habitat
- Ability and experience in recommending mitigation measures to minimize impacts to CRLF and their habitats
- Knowledge of County CRLF mitigation measures

- Experience in conducting pre-construction briefings for CRLF protection
- Ability and experience in producing handouts for CRLF pre-construction briefings
- Ability and experience in monitoring for compliance with RLF mitigation measures
- Ability and experience in writing complete, well-written technical reports as per the County Guidelines for Preparation of Technical Reports

Steelhead Trout Biologist List

- A bachelor's degree in fisheries biology, ichthyology, biology, wildlife biology, natural resources, ecology, conservation biology, environmental biology, or related field
- Knowledge and experience in identification of San Luis Obispo County aquatic habitats
- Ability to recognize potential steelhead habitat (including spawning, rearing, and migration habitat)
- Knowledge of steelhead habitat requirements, food requirements, predator species, and competitive species
- Knowledge of local steelhead sightings and distribution
- Knowledge and experience in all aspects of steelhead surveys, including pre-construction surveys; habitat surveys, habitat barrier surveys, and population surveys
- Knowledge and ability to recognize steelhead at all life stages
- Ability and experience in identifying potential impacts to steelhead and their habitat
- Ability and experience in recommending habitat improvements and mitigation measures to minimize impacts to steelhead and their habitats
- Ability and experience in conducting pre-construction briefings for steelhead protection
- Ability to produce handouts for steelhead pre-construction briefings
- Ability and experience in monitoring for compliance with steelhead mitigation measures
- Ability and experience in writing complete, well-written technical reports as per the County Guidelines for Preparation of Technical Reports

Morro Shoulderband Snail (MSBS) Biologist List

- A bachelor's degree in biology, zoology, natural resources, ecology, conservation biology, environmental biology, or related field
- Knowledge and experience in identification of San Luis Obispo County habitats and vegetation associations
- Ability and experience in recognizing potential MSBS habitat
- Knowledge and ability to identify MSBS
- Knowledge of MSBS habitat requirements, competitive and predatory species
- Knowledge of MSBS sightings and distribution
- Possession of Federal permit to conduct MSBS surveys
- Knowledge and experience in all aspects of MSBS surveys, including pre-construction surveys and USFWS protocol-level surveys
- Ability and experience in identifying potential impacts to MSBS and their habitat
- Ability and experience in recommending mitigation measures to minimize impacts to MSBS and their habitats
- Knowledge of County MSBS mitigation measures
- Experience in conducting pre-construction briefings for MSBS protection
- Ability to produce handouts for MSBS pre-construction briefings
- Ability and experience in monitoring for compliance with MSBS mitigation measures
- Ability and experience in writing complete, well-written technical reports as per the County Guidelines for Preparation of Technical Reports

Monarch Butterfly Biologist List

- A bachelor's degree in biology, zoology, entomology, natural resources, ecology, conservation biology, environmental biology, or related field
- Knowledge and experience in identification of San Luis Obispo County habitats and vegetation associations
- Knowledge and ability to identify monarch butterflies
- Knowledge and ability to recognize potential monarch butterfly habitat
- Knowledge of monarch butterfly habitat requirements
- Knowledge of monarch butterfly sightings and distribution
- Ability and experience in identifying potential impacts to monarch butterflies and their habitat
- Ability and experience in recommending mitigation measures to minimize impacts to monarch butterflies and their habitats

- Knowledge of County monarch butterfly mitigation measures
- Ability and experience in monitoring for compliance with monarch butterfly mitigation measures
- Ability and experience in writing complete, well-written technical reports as per the County Guidelines for Preparation of Technical Reports

Wetland Specialist

- A bachelor's degree in biology, botany, natural resources, soils, ecosystem biology, ecology, conservation biology, environmental biology, or related field
- Knowledge and experience in identification of San Luis Obispo County habitats and vegetation associations
- General knowledge of wetland habitat types
- Knowledge and ability to identify vernal pool habitat in wet and dry season
- Knowledge and ability to conduct wetland delineations using the Army Corps of Engineers Protocol
- Knowledge of local wetland-associated plant and animal species
- Ability and experience in identifying potential impacts to wetland habitats
- Ability and experience in recommending mitigation measures to minimize impacts to wetland habitats
- Knowledge and experience in wetland remediation and restoration
- Experience in monitoring for compliance with wetland mitigation measures
- Ability and experience in writing complete, well-written technical reports as per the County Guidelines for Preparation of Technical Reports