



## EDUCATION

B.S. Biology, San Diego State University, San Diego, CA 2009

## VCS TEAM MEMBER SINCE 2011

## CERTIFICATIONS/REGISTRATIONS

Wetland Training Institute  
Certified, July 2011  
CRAM certified, 2013

## PROFESSIONAL AFFILIATIONS

Association of Environmental Professionals

## ABOUT

Wade Caffrey is a Biologist and Project Manager with expertise in biological services, such as surveys and monitoring, and the preparation of USACE Section 404 Permits, CDFW Section 1602 Streambed Alteration Agreements, and RWQCB Section 401 Water Quality Certifications. Wade plays a key role in coordinating with regulatory agencies to secure permits and meet permit compliance requirements. Prior to working at VCS, Wade worked for the City of San Diego Environmental Services Department.

## SELECT PROJECTS

### VILA BORBA DEVELOPMENT | CALATLANTIC HOMES | CHINO HILLS, CA

Wade conducted pre-construction and focused surveys for burrowing owl, coastal California gnatcatcher with a permitted biologist, least Bell's vireo, and general nesting birds. He was approved as a biological monitor by the USACE and USFWS to monitor for CAGN and LBV, and subsequently identified and protected a CAGN nest, which went on to successfully fledge four offspring. He also prepared and processed a conservation easement with the USACE and CDFW. Wade was responsible for the monitoring of construction in compliance with multiple permits, which included coordination with USACE, CDFW, RWQCB, and USFWS.

### WESTRIDGE GOLF COURSE | CALATLANTIC HOMES | LA HABRA, CA

Wade performed coastal California gnatcatcher surveys with a permitted biologist and also conducted biological surveys consistent with the California Rapid Assessment Method for both riverine and depressional wetlands. He also performed a jurisdictional delineation and coordinated with CDFW regarding the value of the habitat on-site and the potential for off-site mitigation.

### LAKE ELSINORE BACK BASIN | CITY OF LAKE ELSINORE, CA

Working with the private developer, the City of Lake Elsinore, and the Resource Agencies, Wade has assisted in the drafting of conservation easements, drafting and coordination of regulatory permitting documents, and environmental monitoring for the project. He is currently preparing a CDFW Master Agreement for the project due to extended timeframes resulting from the downturn in the economy.

### CITY-WIDE BASIN MAINTENANCE | CHINO HILLS, CA

Wade prepared the USACE Section 404 Nationwide Permit, CDFW Section 1602 Streambed Alteration Agreement for Long-Term Maintenance, and RWQCB Section 401 Water Quality Certification for the maintenance of the Chino Hills flood control basins. Wades responsibilities also included coordinating with the City and regulatory agencies to process the permits.

### LEON BASIN | MURRIETA, CA

Wade delineated the Leon Basin to determine Federal and State jurisdiction and prepared permit applications for the relocation of the low-flow in the basin. Wade prepared the USACE Section 404 Nationwide Permit, CDFW Section 1602 Streambed Alteration Agreement, and Santa Ana RWQCB Section 401 Water Quality Certification. His responsibilities included coordinating with the regulatory agencies, performing the jurisdictional delineation, and conducting the mitigation monitoring.

### I-15/I-215 DEVORE INTERCHANGE | SANBAG | DEVORE, CA

The I-15/I-215 Devore freeway Interchange Project is a top priority for the SANBAG and Caltrans. This project involves reconstruction of Cajon Boulevard (Route 66) and the construction of truck bypass lanes for a major goods-movement interchange. Wade prepared the USACE Section 404 Nationwide Permit, CDFW Section 1602 Streambed Alteration Agreement, and Santa Ana RWQCB Section 401 Water Quality Certification for Caltrans. The project includes impacts to over 50 drainages and over 20 acres of impacts to alluvial fan sage scrub/San Bernardino kangaroo rat habitat. Wade assisted Caltrans in all aspects of permitting, including the delineation of multiple drainages. Wade also assisted in the preparation of the CRAM analysis for the project.

**I-215 HIGH OCCUPANCY VEHICLE LANE (HOV) | SANBAG | GRAND TERRACE/COLTON, CA**

The I-215 HOV Gap Closure Project is located in San Bernardino between the Riverside County line and 2nd Street. The project impacted multiple drainages. Wade processed the USACE Section 404 Nationwide Permit, CDFW Section 1602 Streambed Alteration Agreement and Santa Ana RWQCB Section 401 Water Quality Certification for this 7.5 mile project. The project includes the crossing of the Santa Ana River and 19 additional drainages. Wade also coordinated with the regulatory agencies, Caltrans, and SANBAG to obtain the final permits.

**NEWPORT AVENUE BRIDGE | SANBAG | GRAND TERRACE, CA**

Wade prepared the USACE Section 404 Nationwide Permit, CDFW Section 1602 Streambed Alteration Agreement and RWQCB Section 401 Water Quality Certification for the Newport Avenue reconstruction over the I-215. His responsibilities included coordinating with the regulatory agencies, Caltrans, and SANBAG.

**THREE OAKS | WALNUT HILLS, CA**

Wade prepared the CDFW Section 1602 Streambed Alteration Agreement for Long-Term Maintenance and the conservation easement over the mitigation areas of the Three Oaks Development project. Wade was also responsible for the jurisdictional delineation for the CDFW Section 1602 Streambed Alteration Agreement.

**KEYSTONE | SANTA CLARITA, CA**

Wade prepared a Los Angeles RWQCB Section 401 Water Quality Certification and amended the USACE Section 404 Individual Permit and CDFW Section 1602 Streambed Alteration Agreement to reflect changes to the project. Wade's responsibilities included the re-delineation of the 246-acre development site, identifying off-site mitigation, coordination with the regulatory agencies, and drafting of a restrictive covenant.

**PARK PLACE | SANTA CLARITA, CA**

Wade prepared Los Angeles RWQCB Section 401 Water Quality Certification and USACE Section 404 Individual Permit applications and also amended the CDFW Section 1602 Streambed Alteration Agreement to reflect changes to the project. Wade's responsibilities included the re-delineation of the 523-acre site, identifying on- and off-site mitigation, coordination with regulatory agencies, and drafting of a Habitat Maintenance and Monitoring Plan.

**ARANTINE HILLS | CORONA, CA**

Wade prepared Santa Ana RWQCB Section 401 Water Quality Certification, USACE Section 404 Nationwide Permit, and CDFW Section 1602 Notification of Lake or Streambed Alteration applications. He also prepared a biological technical report and a Western Riverside County Multiple Species Habitat Conservation Plan Determination of

Biologically Superior Project and Consistency Determination. He also assisted in the project design phase to identify the optimal alignment of development in relation to the biological resources within the site.

**SKYRIDGE | MISSION VIEJO, CA**

Wade conducted construction monitoring for work occurring in and adjacent to occupied critical habitat for the coastal California gnatcatcher. He has also assisted in implementing the installation of the mitigation within a 17-acre site and drafting, processing, and recording the conservation easement protecting the 17-acre site in perpetuity.

**BAKER WATER TREATMENT PLANT | LAKE FOREST, CA**

Wade conducted nesting bird surveys prior to construction and monitored construction in close proximity to an active northern mockingbird nest, which went on to successfully fledge all offspring. He also assisted in the processing of payment to the Nature Reserve of Orange County regarding the removal of coastal sage scrub.

**NEW MODEL COLONY | ONTARIO, CA**

Wade prepared and processed the USACE Section 404 Nationwide Permit and CDFW Section 1602 Notification of Lake or Streambed Alteration applications for the bridges and storm drains located along Cucamonga Creek Channel, Lower Deer Creek Channel, and the County Line Channel. He also conducted a jurisdictional delineation and biological assessment over these areas and coordinated with the USFWS regarding the Delhi sands flower-loving fly.

**PEER-REVIEW SERVICES | SANBAG | SAN BERNARDINO COUNTY, CA**

The San Bernardino Associated Governments requires peer review of environmental documents for projects with Caltrans. The peer-review, in part, ensures that SANBAG is in compliance with the Caltrans Standard Environmental Reference. Wade has reviewed documents ranging from Initial Studies to technical reports including Natural Environment Studies and Visual Impact Assessments. The peer reviews are on short timelines and require close coordination with the respective experts.