

*For over 45 years, Dudek has supported agencies, cities, and private clients with planning, design, permitting, construction management, and compliance. With 16 specialty divisions, Dudek offers a client-focused structure, empowering dedicated project managers to meet project goals and address California public agency challenges, including budgets, regulations, and workload variability.*

## On-Call Environmental Services

### CEQA/NEPA DOCUMENT PREPARATION



Dudek offers one of California's most experienced teams to prepare documents for the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA). Our environmental planners deliver legally defensible, evidence-based documents that have not been successfully challenged in court. Through thorough analysis and technical precision, we streamline environmental review processes to ensure compliance and efficiency.

### AIR QUALITY AND GREENHOUSE GAS EMISSIONS



Our specialists have prepared air quality and greenhouse gas emissions impact analyses for the construction and operation of various projects throughout California, including residential and commercial developments. We also prepare technically accurate health risk assessments and energy analyses.

### BIOLOGICAL RESOURCES



Our team of more than 50 biologists regularly consults local, state, and federal agencies to obtain permits that keep projects on schedule. Our staff includes experts in botany, mammalogy, herpetology, entomology, ornithology, habitat assessment and mapping, spatial analysis, and habitat and wetlands restoration.

### REGULATORY PERMITTING AND COORDINATION



We prepare comprehensive and accessible submittals based on our knowledge of the applicable regulations and specific experience with the standards and processes of each agency and its local staff. Our job is to provide complete and accessible information and foresee potential issues.

### CULTURAL RESOURCES



We direct and execute all phases of cultural resources investigations, including surveys, significance determinations, and data recovery mitigation programs. Our capabilities include constraints/feasibility analyses, archival research, predictive modeling, field inventories, archaeological sampling, data recovery, monitoring and compliance oversight, mitigation implementation, Native American consultation, and more.

### BUILT ENVIRONMENT/HISTORIC RESOURCES



We specialize in treatment and significance evaluations for historic-era buildings and structures in consideration of the National Register of Historic Places, California Register of Historical Resources, and local-level evaluation criteria and integrity requirements. Our team architectural historians meet the Secretary of the Interior's Professional Qualification Standards for History and Architectural History.

### PALEONTOLOGICAL RESOURCES



We provide all necessary paleontological services, including preconstruction surveys, records searches, standalone reporting and CEQA document preparation, preparation of mitigation plans, construction monitoring, fossil identification and significance determinations, sediment screening for microfossils, all aspects of fossil lab work and curation, and accessioning fossils into local museums.

### NOISE AND VIBRATION STUDIES



Our experts conduct baseline field noise level surveys, perform predictive analyses with three-dimensional sound propagation models, determine impact evaluation criteria for noisy construction and operational equipment during project planning, and support design of effective mitigation strategies. We assess construction-related noise and vibration as well as long-term operational analyses of projects.



### **TRAFFIC AND TRANSPORTATION**

We provide technical transportation planning and engineering, traffic impact assessment (Vehicle Miles Traveled and Level of Service), engineering design, and CEQA expertise. We quantify project effects using the current methodologies and criteria for project-specific transportation issues.



### **HAZARDS AND HAZARDOUS MATERIALS**

We conduct Environmental Site Assessments (ESAs) and remediation to evaluate and mitigate environmental/hazardous waste liabilities associated with project sites. Our experts have prepared Phase I and II ESAs for a wide range of project types: agricultural, industrial, residential, commercial, oil fields, schools, renewable energy facilities, transportation rights-of-way, recreational, and open space.



### **HYDROGEOLOGY AND WATER QUALITY**

We perform hydrologic, hydraulic, and water quality analysis to support a broad range of permitting efforts, including Clean Water Act 401/402/404 permits and California Department of Fish and Wildlife 1600 permits, as well as CEQA-related documents. We are familiar with water quality standards/regulations and the ways in which they may affect industrial facilities and linear projects.



### **WATER SUPPLY ASSESSMENTS AND UTILITY/SEWER STUDIES**

We estimate increases in water supply demand, wastewater generation, solid waste generation, and public service demands to evaluate potential impacts to public services and utilities. Using available projection factors, infrastructure master plan documents, urban water management plans, and other existing documentation, we conduct assessments for municipalities across California.



### **WILDFIRE PROTECTION PLANNING**

Our foresters and fire protection planners are well-versed in California's natural landscape fire ecology. We specialize in evaluating each project site's unique fire environment to plan for and mitigate against worst-case fire conditions. We have completed fire protection plans and obtained approvals in jurisdictions across California.



### **GEOGRAPHIC INFORMATION SYSTEMS (GIS)**

Our experts bring various skills related to data management, cartography, analysis, modeling, enterprise database and application development, and mobile field data collection. We have provided GIS and technological services for more than 30 years and complete an average of 5,000 GIS analytical tasks annually.



### **PUBLICATIONS SERVICES**

The Dudek Publications team specializes in complete document solutions, helping clients manage complex technical publications under tight deadlines. Prioritizing quality control and on-time delivery, the publications team edits, formats, produces, and delivers between 3,000 and 4,000 documents each year.



### **PLANNING AND URBAN DESIGN**

Our in-house planners and designers have extensive experience preparing neighborhood visions, Specific Plans, corridor plans, and other comprehensive plans for municipalities throughout California. We strive to establish enduring relationships between people and their environment and develop a sense of belonging while respecting cultural, environmental, and economic constraints.

[www.dudek.com](http://www.dudek.com)



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