

# Resource Management



KTU+A's ability to integrate scientific understanding, technical expertise, and design allows us to provide balanced solutions that create sustainable projects. We carefully investigate each unique site in order to understand the local soils, vegetation, habitat, and ecosystems. We combine site-specific knowledge with Geographic Information Systems (GIS) analysis and modeling, and GPS surveys to assist us in the preparation of sustainable restoration design, conservation plans, and forward-looking strategies that result in re-establishing healthy environments and achieving biodiversity.

Our planners and landscape architects are leaders in LEED practice, committed to excellence in the implementation of sustainable design solutions.

Habitat Restoration  
Resource Management  
Watershed Management  
Water Conservation  
Stormwater/LID  
Fire Management  
Historic Resources  
Visual Resources  
LEED/Sustainability



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# Resource Management

## HABITAT RESTORATION

- Batiqitos Lagoon Mitigation Monitoring, Carlsbad
- Buena Vista Lagoon Restoration, Carlsbad
- Camino del Rio North, San Diego
- Crestridge Road Crossing Improvement Project, San Diego County
- El Camino del Norte Bridge, Encinitas
- Famosa Slough Enhancement Plan, San Diego
- Forester Creek, Santee
- La Jolla Bluff Restoration, La Jolla
- Malibu Creek Restoration, Malibu
- National City Wharf Extension Wetland Mitigation, National City
- Penasquitos Trunk Sewer, San Diego
- Roripaugh Ranch, Temecula
- Rose Canyon Mitigation, San Diego
- Rose Creek Enhancement Plan, San Diego
- San Clemente Canyon, San Diego
- San Dieguito Reservoir, Rancho Santa Fe
- San Dieguito Lagoon Wetland Restoration, San Diego
- Santa Ana River, Orange County
- Sorrento Valley Road, San Diego
- Sycamore Canyon Landfill Wetland Mitigation, San Diego
- Taylor Yard Parcel G-2 Upland Restoration, Los Angeles
- Tecolote Creek Treatment Wetlands, San Diego
- Moreno Lakeside Pipeline and Lakeside Pump Station Revegetation, Lakeside
- Port of Oakland Middle Harbor Enhancement Area, Oakland

## RESOURCE MANAGEMENT

- San Diego River Natural Resource Management Plan, San Diego
- Coastal Sediment Benefit Analyses Too, Ventura, Santa Barbara and San Diego Counties
- Western Otay Valley Regional Park Natural Resource Management Plan, San Diego
- SANDAG Nearshore Study, San Diego
- San Clemente Island Land Use Compatibility Study, Los Angeles County
- San Diego County Water Authority Habitat Conservation Program, San Diego
- Western Riverside County Habitat Conservation Plan, Riverside County
- MCB Camp Pendleton Multiple Species Management Plan, Camp Pendleton

## WATERSHED MANAGEMENT

- Rose Creek Canyon Watershed Opportunities Assessment, San Diego
- San Diego River Watershed, San Diego
- Calleguas Creek Watershed, Ventura
- Carlsbad Watershed, Carlsbad
- Santa Margarita Watershed, Escondido
- San Diego Integrated Regional Water Management Plan

## STORMWATER/LID

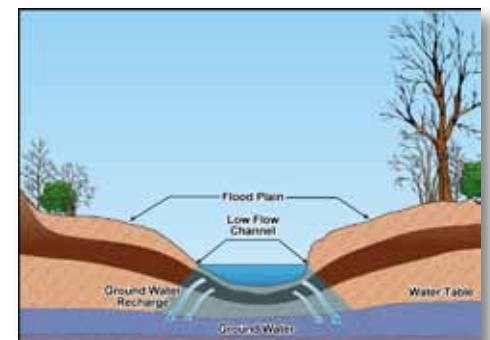
- UCSD Scripps Institution of Oceanography Water Pollution Prevention Program, La Jolla

## FIRE MANAGEMENT

- Crest Canyon Fire Management Plan, Del Mar
- San Vicente Area Specific Management Plan, San Diego County
- Rancho Santa Fe Fire Department GIS Support Services, Rancho Santa Fe

## HISTORIC RESOURCES

- Camp Lockett Framework Management Plan, San Diego County
- Edgemoor Cultural Landscape Survey, Santee
- La Jolla Cultural Resource Survey, La Jolla
- Naval Training Center Historic District Landscape Design Guidelines, San Diego
- Old Town, San Diego
- Leo Carrillo Ranch Historic Park, Carlsbad
- Rancho Los Cerritos, Long Beach
- Kumeyaay-Ipai Interpretive Center, Poway
- Marine Corps Recruit Depot Historic District Landscape Master Plan and Base Exterior Architecture Plan, San Diego
- NSA Monterey Roman Pool Alternatives Analysis Study, Monterey
- Naval Station Great Lakes Base Exterior Architecture Plan, Illinois
- Naval Air Station Pensacola Base Exterior Architecture Plan, Florida



Calleguas Creek Watershed Management Plan



Fiesta Island Proposed Habitat Restoration Simulations



## LEED/SUSTAINABILITY

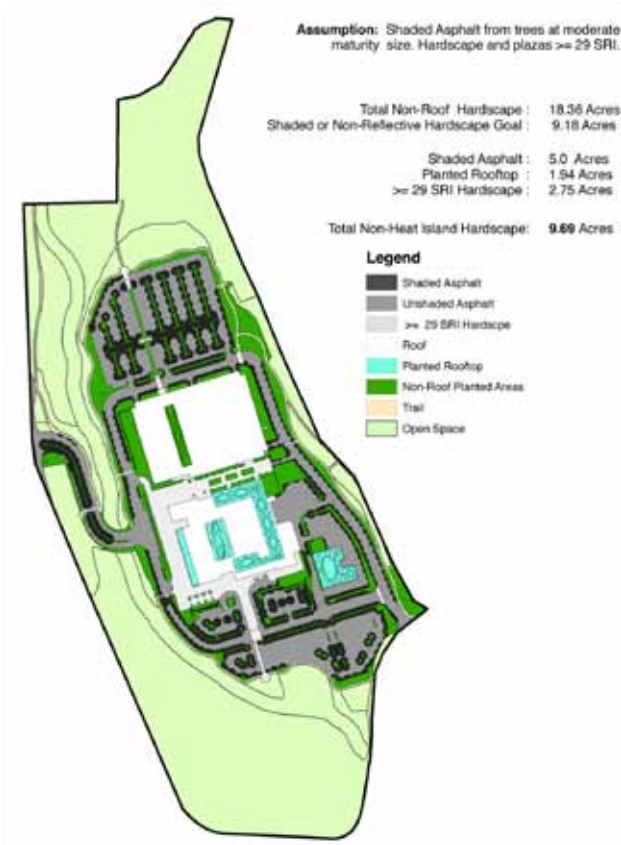
- CRES Facility, San Diego Wild Animal Park, San Diego
- Nobel Athletic Area and Library, San Diego
- UCSD Health Sciences Graduate Student Housing, La Jolla
- UC Merced Gardenview Student Housing, Merced
- Marine Corps Base Camp Pendleton Replacement Hospital, Camp Pendleton

## WATER CONSERVATION

- Los Angeles National Cemetery Irrigation Feasibility Study, Los Angeles
- Naval Medical Center Water Conservation Study, San Diego
- Water Efficient Landscape Conversion, Nellis Air Force Base, Nevada
- Calsense Irrigation Retrofit at Military Housing Sites, San Diego
- Marine Corps Recruit Depot Grounds Development Study, San Diego
- Landscape Irrigation Water Conservation Policies and Guidelines for Navy and Marine Corps Facilities, San Diego

## VISUAL RESOURCES

- Aldine Drive Visual Study, San Diego
- Agua Hedionda Pump Station Visual Study, Carlsbad
- Beacons Beach Trail and Slope Restoration Visual Study, Encinitas
- Bear Valley Parkway Widening Visual Study, Escondido
- State Route 125 Visual Study, La Mesa
- Chula Vista Bayfront Master Plan Visual Study, Chula Vista
- San Diego Convention Center Expansion Visual Study, San Diego
- Convention Hotel Visual Simulations, San Diego
- El Camino Real Bridge Widening Visual Study, San Diego
- Entrada Office Building Visual Study, Culver City
- San Diego County Water Authority Emergency Storage Project Visual Study, San Diego County
- Foothill Transportation Corridor South Visual Study, Orange County
- French Valley Parkway Visual Study, Temecula
- Interstate 805/Orange Avenue Interchange Widening, Chula Vista
- Interstate 905, San Diego
- Lake Hodges Bike/Pedestrian Bridge, San Diego
- Mid-Coast Light Rail Corridor Visual Study, San Diego
- Museum of Tolerance Expansion Visual Study, Los Angeles
- Otay Landfill Expansion Visual Study, Chula Vista
- Otay Reservoir Visual Simulations, San Diego
- UCSD High Technology Bridge, San Diego
- Washington Street Improvements Visual Simulations, San Diego
- Welk Village Expansion Visual Study, Escondido
- Whitesgate Reservoir Visual Simulation, Riverside
- Willow Street Bridge Replacement, Chula Vista
- Carmel Valley Road Enhancements Visual Study, San Diego
- Miramar Landfill General Development Plan EIR Visual Technical Study, San Diego
- Gregory Canyon Landfill Visual Study, Pala
- UCSD Medical Center Utility Bridge Visual Study, San Diego
- MCMWTC Communications Infrastructure Upgrade Project, Mono County



Camp Pendleton Replacement Hospital LEED Analysis

Visual simulations for 8th Street Smart Growth Project, National City and Chula Vista Bayfront Master Plan



## KTU+A Departments

### Planning

- Community Planning
- Mobility
- Resource Management

### Federal Planning

- Master Plans
- MILCON Documentation
- Basic Facility Requirements
- Asset Evaluations
- Capital Improvement Plans
- Design Guidelines
- Special Studies

### Landscape Architecture

- Public Spaces
- Parks and Recreation
- Health Care
- Education
- Housing
- Hospitality
- Office and Retail

### Value Added Services

- Public Outreach
- GIS
- 3D Modeling and Simulations
- Sustainable Design
- Water Management
- Grant Writing

# Resource Management



## Planning + Landscape Architecture

Established in 1970, KTU+A is a San Diego-based planning and landscape architecture firm whose commitment to balancing human activities with the elements of nature has resulted in award-winning, creative and sustainable projects throughout our community and the southwest.

### Client Objectives

As our client, you can expect quality services that focus on your priorities and meet your deadlines and budgets. As your partner, our staff will provide planning and design solutions that are creative, clearly communicated, and well executed.

### Our Approach

- Collaborate toward a common vision to attain uncommon results.
- Seek solutions that capture the context of the place, preserve existing resources, and integrate the values of the users.
- Shape the intersection of people and place.
- Implement in a sustainable and cost effective manner.
- Evaluate and learn from our project experiences.

### Knowledge and Experience We Bring to Your Project

The planning and design of a project requires an understanding of the regulations and requirements to protect the public's health safety and welfare; an understanding of the most innovative design technologies to meet current and future needs; an understanding of the needs and priorities of the users; and an understanding of the responsibilities of the client in terms of risk management, maintenance, future expansion opportunities and costs. KTU+A takes these responsibilities seriously and strategizes with our clients and the consultant team to ensure the project meets and exceeds its goals and objectives.

### Principals

- Sandra Swaner-Carmona, AICP
- Sharon Singleton, ASLA, CPSM
- Kurt Carlson, ASLA
- Mike Singleton, ASLA, AICP CTP, LEED-AP

### Staff Resources/Licenses/Certifications - 32

- 10 Planners (4 AICP)
- 9 Landscape Architects (9 California and 2 Nevada; 2 LEED AP; 1 LEED Green Associate; 1 AICP Certified Transportation Planner)
- 4 Landscape Designers
- 2 Irrigation Designers (1 Irrigation Association Certified Irrigation Designer)
- 3 GIS Analysts
- 1 Graphic Designer
- 3 Administrators

### Business Certifications

- Women Owned Small Business (Federal)
- Small Business (State of California)



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