



### **Joint Red Flag Air Defense Artillery Exercise 2005 and 2006.**

Aspen completed the 2005 and has nearly completed the 2006 Environmental Assessment (EA) for the participation of a US Army's Air Defense Artillery battalion in a military training exercises known as "Joint Red Flag" for '05 and '06, conducted on Bureau of Land Management (BLM) lands under airspace controlled by Nellis Air Force Base in Lincoln County, Nevada. Services included desert

tortoise surveys, environmental monitoring, and the development of vegetation maps, environmental education cards, and detailed area maps issued to soldiers participating in the exercise. For the 2006 exercises, Aspen is also conducting cultural resource surveys, coordinating with NAFB, BLM, and Nevada resource agency staff, and preparing the Right-of-Way document for NAFB.

### **Vandenberg AFB Environmental Support for San Antonio Creek.**

Aspen prepared an analysis of various alternatives (to be developed in conjunction with hydraulic engineering contractor) for the crossing of San Antonio Creek. The life expectancy of the existing crossing, El Rancho Road Bridge, due to erosion resulting from seasonal inundation by runoff, was also addressed. This project was completed to secure a reliable missile transport route for VAFB to accomplish its mission to conduct and support space and missile launches.

### **Environmental Assessment of Additional Airspace Restrictions, National Training Center, Ft. Irwin, California.**

Aspen prepared a Preliminary Draft EA (May 1997) to evaluate the potential environmental impacts that may result from the US Army's proposed action of acquiring the airspace above the Silurian Valley, northeast of Barstow, California. The proposed action would convert a portion of three existing military operations areas (MOAs) (Panamint, Shoshone, Silver MOAs) into fully restricted airspace areas (proposed as R-2502A, R-2502B, and R-2502C) controlled by the National Training Center (NTC).

### **Fort Irwin Endangered Species Management Plan (ESMP).**

Aspen and its subcontractor completed research and subsequent development of the ESMP for the National Training Center per the Manual for the Preparation of Installation Endangered Species Management Plans, in cognizance of the various Biological Opinions pertaining to NTC operations, and consistence with the NTC's Integrated Natural Resources Management Plan.

### **Twenty-nine Palms MCAGCC Waterline Construction Tortoise Mitigation.**

Conducted field monitoring for desert tortoises during installation of a 4-mile potable water transmission line in desert tortoise habitat on the Marine Corp base in San Bernardino County. Aspen's certified desert tortoise monitors were in the field for over eight monitor-weeks. The work required daily coordination with MCAGCC personnel and contractors responsible for constructing the pipeline. Individual field monitoring reports and pertinent maps were prepared during installation and a final monitoring report was submitted.



Contract Holder

**US Army Corps of Engineers IDIQ Environmental Services Contracts (Corps)**, Southern California, Arizona, Southern Nevada and SW Utah. Provided environmental services to the Los Angeles District under three consecutive task order contracts. Services provided by Aspen have included habitat restoration, EIS/EIR preparation, field studies, habitat evaluation, and endangered species monitoring. Aspen has been awarded over 100 task orders since 1995. (Corps)

**National Training Center, Acquisition Project Mitigation Plan (PMP), Ft. Irwin, California.** A Preliminary Draft PMP was prepared to describe detailed implementation and monitoring requirements for each mitigation measure in the National Training Center's Land Acquisition EIS that was associated with the Proposed Action. The PMP included the text of the 45 Environmental Commitments, and detailed implementation requirements. (Corps)

**Traffic Study for National Training Center, Ft. Irwin, California.** Aspen and its subcontractor Stevens-Garland Associates (SGA) prepared a comprehensive traffic study that included a literature search and reconnaissance survey to determine the existing traffic volumes along State Route 127, near the City of Baker and Fort Irwin, California. An impact analysis was conducted to determine if there would be any public traffic impacts associated with potential large numbers of military vehicles crossing State Route 127 during military training exercises at the National Training Center (if the NTC's Land Acquisition of the Silurian Valley area were completed). (Corps)

**Los Angeles County Drainage Area (LACDA) Improvement Project.** Prepared Supplemental Environmental Assessments for the Los Angeles County Drainage Area (LACDA) Improvement Project, including raising the levees along approximately 20 miles of the Los Angeles River. Monitored the implementation of the mitigation measures during construction of this extensive infrastructure improvement project. (Corps)

**Seven Oaks Dam.** Prepared multiple Supplemental Environmental Assessments associated with the construction of the Seven Oaks Dam located on the Santa Ana River in the upper Santa Ana Canyon about 8 miles (13 km) northeast of the City of Redlands, in San Bernardino County, California. (Corps)

**Santa Ana River Project.** Provided a variety of environmental services for the Santa Ana River Project, a major flood control project along 75 miles of Santa Ana River from the San Bernardino Mountains downstream to the Pacific Ocean. Assignments included preparation of NEPA/CEQA documents, biological assessments, biological surveys, revegetation plans, and monitoring of project construction. (Corps)

**Whitewater River Basin Flood Control Project EIS/EIR.** Coachella Valley, CA. Prepared an EIS/EIR for the Whitewater River Basin Flood Control Project to address alluvial fan flooding near Thousand Palms, California. (Corps)

**Lower Colorado River Boundary and Capacity Preservation Project EIS,** Yuma County, AZ. Prepared an EIS for the US International and Boundary Water Commission that evaluates actions associated with defining and preserving the US/Mexico international boundary along the Colorado River and enhancements to the Colorado River flood capacity. (Corps)

**San Luis Rey River Flood Control Project.** Completed numerous task orders including biological surveys and cowbird trapping, preparation of a habitat management plan, biological assessment, HGM assessment, and supplemental EIS/R. (Corps)

**Murrieta Creek Flood Control, Restoration, and Recreation Project.** Services provided to the Corps for this project have included preparation of an Environmental Assessment and habitat mitigation plan based on HGM values for Phase 1 of the project, a 404(b)(1) evaluation, General Conformity analysis, pre-construction biological surveys, and mitigation monitoring. (Corps)

**Matilija Dam Ecosystem Restoration Project EIS/EIR,** Ventura County, CA. Preparing an EIS/EIR to support a Corps feasibility study for the removal of Matilija Dam on Matilija Creek, a tributary of the Ventura River. The purpose of the project is to remove the dam to allow passage for steelhead trout and possibly allow sediment to move downstream to replenish sand on area beaches. (Corps)

**Prado Basin, Reach 9, and Norco Bluffs SEIS/EIR.** Aspen prepared the Final Supplemental EIS and Project EIR for the Prado Basin, Reach 9, and Norco Bluffs components of the Santa Ana Mainstem Project. The SEIS/EIR examined the impacts associated with stabilizing erosion at Norco Bluffs, changes in inundation levels behind the dam, increased release volumes from Prado Dam under new operations, and bank stabilization downstream (Reach 9) from the dam. (Corps)

**San Antonio Dam Re-operation EA.** Prepared a Baseline Conditions Report, an EA, and a Findings of No Significant Impacts (FONSI) to address the changes and effects to the reservoir lands behind San Antonio Dam as a result of re-operation of the subject dam. (Corps)

**Rio Salado Environmental Restoration EIS,** Phoenix and Tempe, AZ. Prepared a Draft and Final EIS for the environmental restoration of the Salt River. The Proposed Action involved the re-introduction of flows to a stretch of the river near downtown Phoenix and three river segments in Tempe. (Corps)

**Wood Canyon Ecosystem Restoration Project.** For phase I in the plan formulation process, prepared Preliminary Plan Formulation Report (PPFR) for a portion of Wood Canyon Creek, a tributary to Aliso Creek (Orange County, CA). The PPFR describes baseline conditions in the study area and preliminary restoration alternatives, and presents a methodology for evaluating the environmental benefits of the alternatives. The major goal is to restore riparian and wetland habitat and upland transition zones to improve the function of the natural ecosystem. (Corps)

**Sulphur Creek Ecosystem Restoration Project,** City of Laguna Niguel, CA. Preparing plan to restore riparian and wetland habitat in a 2,000-foot reach of Sulphur Creek. It describes baseline conditions/plan formulation, presents a recommended plan for restoration, and includes an environmental evaluation. Aspen uses the hydrogeomorphic (HGM) approach to development of a recommended restoration plan. (Corps)

**Agua Fria Ecosystem Restoration,** Maricopa County, AZ. Prepared a habitat restoration plan and EA for three restoration sites totaling nearly 125 acres along the lower 5.5 miles of the River. (Corps)