



Mission Trails Regional Park Master Plan Update
Hazardous Materials/
Unexploded Ordnance (UXO) Review

GHD Inc.

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1. Purpose

The purpose of this Hazardous Materials/Unexploded Ordnance Review (Review) is to evaluate the Mission Trails Regional Park (MTRP) Master Plan Update (MPU) as a whole, to identify potential hazards and hazardous materials, disclose and address the safe removal, disposal, and/or remediation of potentially existing unexploded ordnance (UXO) materials, and discuss human health/public safety as it relates to fire hazards. This Review also presents the current regulatory framework addressing hazardous materials and UXO issues, as well as recommendations for addressing potential impacts generated from implementing elements of the updated MTRP Master Plan.

2. Project Location

The Project is located in San Diego County, within the MPU boundary as identified in the approved 1985 MTRP Development Master Plan and includes approximately 7,600 acres of existing parkland, approximately 2,259 acres of the East Elliott Community Planning Area and approximately 1,450 acres known as West Sycamore, as part of the Rancho Encantada Precise Plan area. In total, six areas within MTRP contained existing potential hazardous materials, UXO materials, and/or other public safety concerns related to issues such as fire hazards (see **Table 2.1**). For purposes of this report, these areas comprise the Master Plan Study Area.

Table 2.1 – Existing Hazards/UXOs Identified Within Project Location

	Hazardous Materials	UXO Materials	Public Safety (Fire Hazards)
West Sycamore	✓		✓
East Elliott	✓	✓	✓
Fortuna Mountain	✓	✓	✓
Mission Gorge Area	✓		✓
Cowles Mountain Area			✓
Lake Murray Area	✓		

3. MTRP Setting

3.1 Environmental Setting

With a property size of nearly 7,600 acres, MTRP consists of open space and recreational uses, including mountains, valleys, two lakes, a major river and scenic gorge, historical landmarks, wildlife habitats, and cultural resources. Surrounded by residential development, the close proximity and diversity of the park services a broad cross-section of the population who may have difficulty reaching the remote locations of other recreational facilities.

3.2 Hazards and Hazardous Materials

Chemicals are used in daily activities, including landfill disposal, fuel pumping, and water filtration that can be hazardous to humans and the environment. All businesses that handle or generate hazardous materials within the Master Plan Study Area are monitored by the United States Environmental Protection Agency (EPA). The California Environmental Protection Agency (Cal/EPA) is required through Section 65962.5 of the California Government Code to update a list of hazardous materials sites. Known as the Cortese List, these sites include hazardous and waste substance sites, leaking underground storage tank (LUST) sites, solid waste disposal sites with waste constituents above hazardous waste levels outside the waste management unit, "active" Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO), and hazardous waste facilities subject to corrective action are identified (CalEPA 2012).

Cal/EPA Geotracker and the California Department of Toxic Substances Control (DTSC) EnviroStar database searches identified six active cleanup sites within the Master Plan Study Area as described in Sections 3.2.1 and 3.3. (The Master Plan Study Area is defined above in Section 2.) A review of the record search maps did not identify any active Federal Superfund, State Response, School Cleanup, School Investigation, Corrective Action, Hazardous Waste Permit, or Evaluation sites within the Master Plan Study Area. However, two active Military Evaluation sites were discovered within the Master Plan Study Area.

3.2.1 Leaking Underground Storage Tanks (LUST)

The Division of Water Quality Underground Storage Tank (UST) program through the State Water Resources Control Board (SWCRB) protects public health and safety and the environment from releases of hazardous substances from tanks through monitoring and conducting inventory of reporting information for soil and groundwater of UST cases and non-UST cleanup programs. Electronic Submittal Information (ESI) from the UST program is available via the SWRCB Geotracker database. A review of the Geotracker database for LUST cleanup sites identified three open sites within MTRP as indicated below (details provided in **Appendix A**):

- Marine Corps Air Station (MCAS) Miramar, Camp Elliott – East, San Diego, CA 92103 [RB Case #: 400690 -- 5]
- MCAS Miramar, Camp Elliott – Mission Trails Area, San Diego, CA 92103 [RB Case #: 400690 -- 2]
- Alvarado Water Treatment (Filtration) Plant, 5530 Kiowa Drive, La Mesa, CA 91942 [RB Case #: 9 000239N96]

Located in the East Elliott Area is the Sycamore Canyon Landfill, which is owned and operated by Allied Waste Systems as an active LUST cleanup site. Sycamore Canyon Landfill is classified as a Class III, non-hazardous landfill that accepts non-hazardous, non-friable asbestos-containing materials.

Additionally, Geotracker listed four closed sites within Master Plan Study Area as indicated below:

- Goodan Ranch, 16450 Sycamore Canyon Road, Santee, CA 92040 [Closed as of 2/21/1992]
- Caltrans, 13940 Father Junipero SE, Santee, CA 92071 [Closed as of 6/20/1991]
- Mission Trails Golf Course, 7380 Golfcrest Place, San Diego, CA 92119 [Closed as of 4/31/2013]
- SDCTY-Alvarado Operations, 5540 Kiowa Drive, La Mesa, CA 91942 [Closed as of 9/3/2004]

3.2.2 Oil and Gas Wells

The Division of Oil, Gas, and Geothermal Resources (DOGGR) through the California Department of Conservation indicates that there are no active oil, gas, or geothermal production fields within the Master Plan Study Area. However, one “idle” oil and gas well has been identified in proximity to the West Sycamore Area: Well #1, R.M. Cole Oil & Gas Syndicate [Closing Record dated 5/12/1927] - (details provided in **Appendix B**).

3.2.3 Hazardous Waste Handlers

The Resource Conservation and Recovery Information (RCRAInfo) through the EPA is a national program management and inventory system listing hazardous waste handlers, requiring information to be provided about their activities to state environmental agencies. This regulation is governed by the Resources Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984 (EPA 2014b). A review of the RCRAInfo database for hazardous waste cleanup sites identified one open site within the Master Plan Study Area: Fromex Photo Systems, 7299 Navajo Road, San Diego, CA 92119 [EPA ID 110002735611] - (details provided in **Appendix C**).

3.2.4 Additional Agency Listings

In addition to the databases indicated above, other databases maintained by federal, state, and local regulatory agencies provide valuable, site-specific information that can be used to evaluate if the conditions in the Master Plan Study Area would pose a threat to human health or the environment. Regulatory agency databases through the DTSC listed below are applicable to the Master Plan Study Area:

- National Priorities List (NPL) maintained by the EPA
- Comprehensive Environmental Response Compensation and Liability Information System (CERCLA) maintained by the EPA
- Solid Waste Information System (SWIS) maintained by the California Integrated Waste Management Board (CIWMB)

3.2.5 Transportation of Hazardous Materials

Transport of hazardous materials occurs throughout the City of San Diego (City) through surface streets, rails, and freeways. Freeways, including I-8 and SR-52, surround the Master Plan Study Area. Additionally, there are numerous other transportation routes, such as Mission Gorge Road, Navajo Road, and Jackson Drive, are located throughout the Master Plan Study Area.

The transport of hazardous materials by truck and rail is regulated by the U.S. Department of Transportation (DOT) as the City does not have direct authority for this action. Criteria and procedures are established through DOT regulations for the safe handling and transport of hazardous materials on public roadways. Federal safety standards are also included in the California Administrative Code. The California Department of Health Services (DHS) regulates the haulers of hazardous waste.

3.3 UXO Materials

Use of military munitions in live-fire training and testing assisted in the ability to maintain a well-trained military force, which resulted in UXO in areas currently or formerly used for training. Per the United States Department of Defense (DoD), the term unexploded ordnance (UXO) refers to explosive, propellant or chemical-containing munitions that were armed, fired and remain unexploded (DoD 2003). The United States Army Corps of Engineers (USACE) has established programs to address the full range of UXO issues with public safety as a primary concern. The program is most readily achieved through education and outreach to inform military personnel and the public about the potential hazards associated with UXO. A review of the DTSC EnviroStor database for FUDS cleanup sites identified one site within the Master Plan Study Area: MCAS Miramar - Camp Elliott, Tierrasanta, CA [Case 80000794] - (details provided in **Appendix D**).

The USACE monitors an inventory of reporting information for UXO materials within the Mission Trails Formerly Used Defense Sites (FUDS) project areas. The purpose of the long-term monitoring program is to protect public health and safety and the environment from UXO materials through the Public Involvement Plan (PIP) and Five-Year Recurring Reviews. The 2009 Former MCAS Miramar - Camp Elliott Five-Year Recurring Review displays 23 detected ordnance locations in the northern ends of the Fortuna Mountain and East Elliott Areas, where most of the UXOs have been uncovered (see **Appendix D**).

3.3.1 Process for Safe Removal of UXOs

Identifying UXOs may be difficult as they can come in a variety of shapes and sizes and can look like a pointed pipe, soda can, baseball, or muffler. Their physical nature can look new or old, be complete or in parts, be found alone or in groups, be exposed by erosion or fires, and/or be visible on the surface or buried (DENIX 2002). These suspicious items can be encountered while installing underground pools, posts for decking and fencing projects, digging foundations, and excavating and installing utilities (i.e., cables, piping, etc.).

When a UXO is located, the DoD may initiate one of three responses: an Emergency Response for immediate, unacceptable hazards (i.e., possibility of acute physical injury, death, destruction of property), a Time-Critical Removal Action (TCRA) if the circumstances allow a response within a few months, or a Non-Time-Critical Removal Action (NTCRA) if the process is much longer and involves the public and regulatory communities early and continually throughout the process. Following the response initiation, the phases are conducted in the order listed in **Table 3.1** as summarized from the Base Realignment and Closure (BRAC) Environmental Fact Sheet: Unexploded Ordnance (UXO).

Table 3.1 – Summary of Process/Actions for Safe Removal of UXOs

Phase	Actions
Removal Preliminary Assessment (PA)	<ul style="list-style-type: none">• Existence of the site in question is recognized• Determination of whether UXO is present and if further action is needed
Removal Site Investigation (SI)	Combination of preliminary risk assessment with the Archives Search Report (ASR), which includes: <ul style="list-style-type: none">• Historical records search,• Interviews with knowledgeable personnel, and• Interpretation of aerial photos and maps to gain a better understanding of the types of amount of UXO hazards potentially present
Engineering Evaluation/Cost Analysis (EE/CA)	<ul style="list-style-type: none">• Geophysical survey performed utilizing a geostatistically based sampling program to characterize areas suspected of containing UXO• Evaluation of site-specific response actions conducted according to National Contingency Plan criteria• Solicitation of public comment for the potential response and anticipated future land use• Response finalized in an Action Memorandum after installation responds to public comments
Removal Design (RD)	<ul style="list-style-type: none">• Preparation of objectives outlined in the Action Memorandum• Plan exhibits contract specifications, response plans, safety and personnel qualifications, and anticipated depth of clearance• An explosives safety submission is prepared for the DoD Explosives Safety Board (DDESB) for review and approval before the removal
Removal Action (RA)	<ul style="list-style-type: none">• Selected resolution is implemented according to RD plan• Can potentially detonate UXO in place or at off-site demolition grounds if approved by the DDESB
Post-Removal Action (Post-RA)	<ul style="list-style-type: none">• Public education• Periodic UXO sweeps• Long-term monitoring• Land use restrictions• Additional UXO actions if land use changes

3.3.2 Safety Guidelines

Field safety warnings (e.g., trail signs, park handouts, and kiosks) and emergency communications related to UXO have continued to be available and effective through establishing points of contacts for Tierrasanta,

MTRP, and USACE, monitoring, mapping and maintaining Munitions and Explosives of Concern (MEC) warning signs, and circulating documents and processed as mandated by FUDS guidelines. The Five-Year Recurring Reviews facilitate and promote two-way communication between residents surrounding the Master Plan Study Area and encourage community awareness and educational involvement in site-related activities.

3.4 Public Safety

3.4.1 Fire Hazards

The County of San Diego (County) has an ongoing concern with wild-land fire, especially in the grass- and brush-covered hillsides on the borders of the metropolitan areas. These hazards exist in varying degrees, caused by climate, vegetation and physical conditions. The County encounters ‘Santa Ana’ winds generally during the late summer and fall, which bring hot, dry desert air into the area and fuel the rapid spread of fire.

Potential losses from wildfire include: human life, structures and other improvements, natural and cultural resources, the quality and quantity of the water supply, and other assets such as crop land, recreational opportunities, and economic losses. Smoke and air pollution from wildfires can be a severe health hazard. In addition, catastrophic wildfire can lead to secondary impacts or losses such as future flooding, landslides, and erosion during the rainy season.

According to CAL FIRE’s Fire Hazard Severity Zones in Local Responsibility Area (LRA) map, the majority of the Master Plan Study Area is designated as a Very High Fire Hazard Severity Zone (VHFHSZ) and is considered to be in a fire hazard zone. However, sections of the Master Plan Study Area are within the LRA (Non-VHFHSZ) designation, mostly in the southern segment of the Lake Murray area.

Brush Management Zones

The City has established requirements to protect property and structures from wildfires by proactive brush management practices. In general, these management practices are divided into Zones 1 and 2. Brush Management Zone 1 is a level area around a home or other structures used for planting ornamental species. This area would be watered and free of dead material. Brush Management Zone 2 covers more native vegetated areas. In this zone, selective vegetation would not be irrigated, pruned, or thinned. Specific City regulations associated with fire prevention can be found in the Municipal Code, as detailed in the “Applicable Laws and Regulations” section below.

3.5 Phase I Environmental Site Assessment (ESA) Practices

3.5.1 Significance and Use

Per the American Society of Testing and Materials (ASTM) Standard E1527-13, the purpose of conducting Phase I ESAs is to define good commercial and customary practice in the United States for conducting an environmental site assessment of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). As part of the subsequent review under the California Environmental Quality Act (CEQA), any future projects would be recommended to have Phase I ESAs conducted on the property to assess its environmental condition, taking into account commonly known and reasonable ascertainable information. Although not required, this practice is intended primarily as an approach to conducting an inquiry designed to identify recognized environmental conditions in connection with a property.

4. Applicable Laws and Regulations

The following is a discussion of the federal, state, and local laws, regulations, and other applicable guidance addressing hazards, hazardous materials, and UXO. The inclusion of these legal provisions herein should not indicate that implementation of any of the MTRP MPU element would be subject all of these provisions, but only those as applicable.

4.1 Federal Regulations

4.1.1 Chemical Accident Prevention Provisions

The Chemical Accident Prevention Provisions were adopted in the Code of Federal Regulations (CFR) to address chemical accident prevention at facilities using extremely hazardous substances. The provisions require all facilities that use or handle certain flammable and toxic materials to prepare a Risk Management Plan (RMP) that describes the materials used over the previous five years, a worst-case accident scenario and alternatives, a prevention program, and an emergency response program. New RMPs are required every five years.

4.1.2 Comprehensive Environmental Response, Compensation, and Liability Act

CERCLA, commonly known as the Superfund, was enacted by Congress on December 11, 1980. This law provided broad federal authority to respond directly to releases or threatened releases of hazardous substances that may endanger public health or the environment. CERCLA established requirements concerning closed and abandoned hazardous waste sites, provided for liability of persons responsible for releases of hazardous waste at these sites, and established a trust fund to provide for cleanup when no responsible party could be identified. CERCLA also enabled revision of the National Contingency Plan (NCP). The NCP provides the guidelines and procedures needed to respond to releases and threatened releases of hazardous substances, pollutants, or contaminants; and established the NPL.

4.1.3 Hazardous Materials Transportation Act

DOT regulates the interstate transport of hazardous materials and wastes through implementation of the Hazardous Materials Transportation Act (HMTA). The provisions of the HMTA contain requirements for hazardous materials shipments and packaging, and guidelines for marking, manifesting, labeling, packaging, placarding, and spill reporting. Specific regulations dealing with hazardous materials are covered under:

- 49 CFR 105.600 - Registration of Persons Who Offer to Transport Hazardous Materials,
- 49 CFR 173.56 - Hazardous Material Regulations, Shippers – General Requirements for Shipping and Packaging, and
- 49 CFR 397 - Transportation of Hazardous Materials; Driving and Parking Rules.

4.1.4 Resource Conservation and Recovery Act

The RCRA of 1976 (U.S. Government Code [USC], Title 42, Sections 6901–6987) was established to protect human health and the environment, reduce waste, conserve energy and natural resources, and eliminate the generation of hazardous waste. The Hazardous and Solid Waste Act (HSWA) of 1984 significantly expanded the scope of RCRA by adding new corrective action requirements, land disposal restrictions, and technical

requirements. In addition, the HSWA affirmed and extended the “cradle to grave” system of regulating hazardous wastes and specifically prohibited the use of certain techniques for the disposal of some hazardous wastes. The corresponding regulations in 40 CFR 260–299 provide the general framework for managing hazardous waste, including requirements for entities that generate, store, transport, treat, and dispose of hazardous waste.

4.1.5 Toxic Substances Control Act

The federal Toxic Substances Control Act of 1976 provides EPA with authority to require reporting, record-keeping and testing requirements, and restrictions relating to chemical substances and/or mixtures. The act addresses the production, importation, use, and disposal of specific chemicals including polychlorinated biphenyls (PCBs), asbestos, radon, and lead-based paint.

4.2 State Regulations

4.2.1 Hazardous Waste Control Law

The Hazardous Waste Control Law (HWCL), Chapter 6.5 of Division 20 of the Health and Safety Code and its implementing regulations in California Code of Regulations (CCR), Title 22, Division 4.5, consist of statutes and regulations intended to prevent ultimate mismanagement of hazardous waste with the primary focus being preventing disposal at unauthorized locations. Such disposal can directly affect humans and the environment by direct contact with the wastes or it can pollute ground or surface waters. While the HWCL is generally more stringent than the RCRA, until EPA approves the California program, both state and federal laws apply in California. The HWCL lists 791 chemicals and about 300 common materials that may be hazardous; establishes criteria for identifying, packaging, and labeling hazardous wastes; prescribes management controls; establishes permit requirements for treatment, storage, disposal, and transportation of hazardous wastes; and identifies wastes that cannot be disposed of in landfills.

4.2.2 Hazardous Material Release Response Plans and Inventory Laws

California’s Right-To-Know law from the California Emergency Management Agency (EMA) requires businesses to develop a Hazardous Material Management Plan or a business plan for hazardous materials emergencies if they handle more than 500 pounds, 55 gallons, or 200 cubic feet of hazardous materials. In addition, the business plan would include an inventory of all hazardous materials stored or handled at the facility above these thresholds. This law is designed to reduce the occurrence and severity of hazardous materials releases. The Hazardous Materials Management Plan or business plan must be submitted to the Certified Unified Program Agency (CUPA), which, in this case, is the County Department of Environmental Health’s (DEH) Hazardous Materials Division (HMD). The HMD inspects businesses or facilities that handle or store hazardous materials, generate hazardous waste, generate medical waste, and own or operate USTs. The HMD also administers the California Accidental Release Prevention (CalARP) Program and the Aboveground Petroleum Storage Act Program, and provides specialized instruction to small businesses through its Pollution Prevention Specialist. The state has integrated the federal Emergency Planning & Community Right-to-Know Act (EPCRA) reporting requirements into this law; once a facility is in compliance with the local administering agency requirements, submittals to other agencies are not required.

4.2.3 California Labor Code

The California Labor Code includes the regulation of the workplace to assure appropriate training is given on the use and handling of hazardous materials; as well as the operation of equipment and machines that use,

store, transport, or dispose of hazardous materials. The following Parts of Division 5 specifically apply to this site:

- Division 5, Part 1, Chapter 2.5 ensures that employees in charge of handling hazardous materials are appropriately trained and are knowledgeable about the materials they handle.
- Division 5, Part 6 governs the operation and care of hazardous material storage tanks and boilers.
- Division 5, Part 7 ensures that employees who work with volatile flammable liquids are outfitted in appropriate safety gear and clothing.
- Division 5, Part 7.5, otherwise referred to as the California Refinery and Chemical Plant Worker Safety Act of 1990, was enacted to prevent or minimize the consequences of catastrophic releases of toxic, flammable, or explosive chemicals.

4.2.4 California Code of Regulations, Title 8 – Industrial Relations

Occupational safety standards exist in federal and state laws to minimize worker safety risks from both physical and chemical hazards in the workplace. The California Division of Occupational Safety and Health (Cal/OSHA) and the federal OSHA are the agencies responsible for assuring worker safety in the workplace. Cal/OSHA assumes primary responsibility for developing and enforcing standards for safe workplaces and work practices. These standards would be applicable during both construction and operation of a project. Regulations enforced through Cal/OSHA pertaining to asbestos-containing material, liquefied petroleum gas, storage tanks, and boilers are listed in 8 CCR 3.2.

4.2.5 California Code of Regulations, Title 23

23 CCR 2620 states that the purpose of the regulation is:

“...intended to protect waters of the state from discharges of hazardous substances from underground storage tanks. These regulations establish construction requirements for new underground storage tanks; establish separate monitoring requirements for new and existing underground storage tanks; establish uniform requirements for unauthorized release reporting, and for repair, upgrade, and closure of underground storage tanks; and specify variance request procedures.”

4.2.6 Other State Requirements

The State regulates air particulates during construction, demolition, and operation through the San Diego Air Pollution Control District rules. These regulations are contained in Safety Code Section 25100 et seq., 22 CCR 4.5 (“Environmental Health Standards for the Management of Hazardous Wastes”), and 26 CCR (“Toxics”).

The DTSC and the Regional Water Quality Control Boards (RWQCBs) have jurisdiction over the cleanup of any released hazardous materials. If hazardous materials were encountered in association with redevelopment or development of a piece of property, site characterization, cleanup plans, and removal and disposal of materials would require approval by and completed in compliance with DTSC or RWQCB requirements and laws prior to the issuance of any demolition, grading, or building permits.

4.3 Local Regulations

4.3.1 San Diego County Operational Area Emergency Plan

The San Diego County DEH, HMD established the San Diego County Operational Area Emergency Plan (Area Plan) for emergency response to a release or threatened release of a hazardous material within the County.

4.3.2 San Diego County Multi-Jurisdictional Plan

The Multi-Jurisdictional Hazard Mitigation Plan was developed with the participation of all jurisdictions in the County, including every incorporated City and the unincorporated County. The plan includes an overview of the risk assessment process, and identifies hazards present in the jurisdiction, hazard profiles, and vulnerability assessments. The plan also identifies goals, objectives, and actions for each jurisdiction in the County.

In the event of a hazardous materials emergency within the City, the first response would be from the San Diego Fire-Rescue Department and the County of San Diego Hazardous Incident Response Team (HIRT), located within the City.

4.3.3 City of San Diego Municipal Code

The City's hazardous material regulations are included in:

- Municipal Code, Section 42.0801 (Hazardous Waste Establishments)
- Section 42.0901 (Disclosure of Hazardous Materials)
- Section 54.0701 (Investigation and Cleanup of Contaminated Property)
- Regulations for use of explosive materials within the City are included in Section 55.3301 (Explosives and Fireworks).

The City's Local Enforcement Agency (LEA) is responsible for enforcing federal and state laws and regulations for the safe and proper handling of solid waste. Solid waste disposal addressed by the LEA includes household trash and garbage, construction debris, commercial refuse, sludge, ash, discarded appliances and vehicles, manure, landscape clippings, and other discarded wastes. The LEA also investigates complaints of illegal disposal of solid waste and evaluates historic waste disposal sites (including old trash/ burn dumps). However, enforcement of state and most other hazardous regulation within the City is through the County's Certified Unified Program Agency (CUPA).

The City has established requirements to protect property and structures from wildfires by proactive brush management practices. In general, these management practices are divided into Zone 1 and 2 areas. Brush Management Zone 1 is a level area around a home or other structures used for planting ornamental species. This area would be watered and free of dead material. Brush Management Zone 2 covers more native vegetated areas. In this zone, selective vegetation would not be irrigated, pruned, or thinned. Specific city regulations associated with fire prevention are provided in Section 55.0101 (Adoption of the California Fire Code); Section 55.0901 (Fire Department Access and Water Supply; and Section 55.1001 (Fire Protection Systems and Equipment). Municipal Code Sections 142.0402, 142.0403, and 142.0412 regulate brush management and create two Brush Management Zones with different requirements. The Code was amended in October 2005 to make these zones total 100 feet of defensible space from a habitable structure.

4.3.4 City of San Diego Significance Determination Thresholds

The MTRP MPU constitutes a “project”, as defined by CEQA. In 2011, the City of San Diego established Significance Determination Thresholds for use in the evaluation of a project’s potential environmental impact pursuant to CEQA. Following are the City Thresholds that would apply to the analysis of the MPU project, with the application of each to the three ‘Key Environmental Issues’ discussed in Section 5 as noted:

- Be located within two miles of a public airport or public use airport, resulting in a safety hazard for people residing or working in the Master Plan Study Area (Issue 1);
- Be located within the vicinity of a private airstrip, resulting in a safety hazard for people residing or working in the area (Issue 1);
- Impair implementation of an emergency response plan (Issue 1);
- Expose people or structures to significant risk involving wildland fires (Issue 1);
- Create a significant hazard through the routine transport, use, or disposal of hazardous materials (Issue 2);
- Create a significant hazard involving the release of hazardous materials into the environment (Issue 2);
- Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school (Issue 2); and
- Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or environment (Issue 3).

5. Key Environmental Issues

This section describes the key environmental issues relating to human health, public safety, and hazardous materials for the Master Plan. It recommends the methods used to determine the potential effects of Master Plan implementation. Recommendations to avoid, minimize, rectify, reduce, eliminate, or compensate for potentially significant effects accompany the discussion of each key issue.

5.1 Issue 1: Would the proposed Master Plan Update and Natural Resource Management Plan expose people or property to health hazards, including fire?

Airport Hazards

No aeronautical structures are located within the vicinity of the Master Plan Study Area. No known/regularly scheduled flights departing from or arriving at the San Diego International Airport (SDIA) pass over the Mission Trails Study Area. However, Montgomery-Gibbs Executive Airport (Montgomery Field) and Marine Corps Air Station (MCAS) Miramar are both located approximately 5.0 miles west of the study area. Neither facility has regularly scheduled flights. However, MCAS Miramar is home the 3rd Marine Aircraft Wing, which deploys and conducts aircraft training flights from this base. Montgomery Field is a general aviation facility from which private, corporate, charter, air ambulance, law enforcement fire rescues, and cargo flights operate. Given the vast area of the proposed park, the potential for aircraft-human conflict would be very low. Therefore, the potential impact is not considered significant.

Health Hazards

The majority of the land in the Master Plan Study Area is located within a VHFHSZ. Development permitted within the Master Plan Study Area would be limited to non-habitable structures including pedestrian/bicycle trails, pedestrian/bicycle bridges, boardwalks, scenic overlook platforms as recommended by the Mission Trails Design District Ordinance and Design Manual. Implementation of the Mission Trails Design District Ordinance and Design Manual which would also be subject to the Brush Management Regulations from the City of San Diego Municipal Code Section 142.0412, which requires that all structures must have at least a 100-foot buffer between a proposed structure and native or naturalized vegetation. However, although there are no specific development proposals within the Master Plan Study Area, it is possible that hazards from wild-land fires will increase with the expansion of MTRP.

No greater risk would occur in the Master Plan Study Area with continued use of its current location. However, if construction of the facilities covered by the MPU were to occur, it would involve ground disturbance and grading, and would occur within areas identified as susceptible to wild-land fire risk. As such, future projects implemented in accordance with the MPU would be required to comply with state and City regulations for Brush Management by siting structures in a manner that minimizes potential wild-land fire damage.

The Brush Management Regulations will support a reduced impact that wild-land fires may have on potential damage to the structures listed above by ensuring appropriate precautions are publicized and implemented. Continued posting of signage on information boards as specified by the MPU indicating seasonal fire warnings is recommended around the Master Plan Study Area. There would be a lessened likelihood of problematic consequences from wild-land fire occurrence by expanding public awareness. With these regulations, the potential impact from wild-land fires is not considered significant.

Emergency Response

It is unknown from the MPU and its associated Community Plans how many emergency response plans exist within the Master Plan Study Area. However, because future physical actions within the Master Plan Study Area would be limited to pathways, bridges, and overlooks, these types of facilities would not impede travel of vehicles on roads or movement of people. Therefore, it is not expected that implementation would hinder the emergency response plan.

Community Plan Amendments

The MPU proposes to amend the Mission Valley, Tierrasanta, East Elliot, and Navajo Community Plans to adopt the MPU as the policy document for the Master Plan Study Area. Currently the Community Plans do not list any specific guidelines or policies regarding safety hazards. The amendments, as proposed by the MPU, would not include specific guidelines or policies regarding safety hazards; therefore, no policy conflicts would occur with implementation of the MPU. However, because portions of the Master Plan Study Area within the Community Plans are within the VHFHSZ, implementation of the Community Plan Amendments in terms of exposure of people or structures to safety hazards could generate physical effects to the environment associated with safety hazards. Addition of safety hazard guidelines to the Community Plans would be imperative to avoid having a significant detrimental impact on the communities.

5.2 Issue 2: Would the proposed Master Plan Update and Natural Resource Management Plan create future risk of an explosion or the release of hazardous substance (including, but not limited to gas, oil, pesticides, chemicals, or radiation)? Would the proposed Master Plan expose people or the environment to a significant hazard through the routine transport, use, or disposal of hazardous materials?

Construction of non-habitable structures such as pedestrian/bicycle trails, pedestrian/bicycle bridges, boardwalks, or scenic overlook platforms within the Master Plan Study Area as recommended by the Mission Trails Design District Ordinance and Design Manual would not result in the release of hazardous materials into the environment. As discussed in Section 3.2 (Hazards and Hazardous Materials), four active LUST sites and one idle gas well were discovered within the Master Plan Study Area. Although the MPU does not include proposals to develop any habitable structures, future projects would involve ground disturbance and grading activities and would potentially encounter and disrupt hazardous substances below ground. However, all future development allowed under the MPU would be required to comply with all applicable federal, state, and local regulations related to the accidental release of hazardous materials. Compliance with such regulations would minimize the potential for a release and provide planning mechanisms for such prompt and effective cleanup in the event of an accidental release. In addition, all future projects implemented in accordance with the MPU would be subject to further CEQA review. However, no developments are proposed as part of the MPU. As such, this would not result in a significant hazard through the use, transport, or disposal of hazardous materials and impacts.

No addition of the storage of explosive or hazardous substances is anticipated for the MPU unless development is planned within the boundaries of former MCAS Miramar Camp Elliott. The USACE has established the PIP and Five-Year Recurring Reviews to monitor an inventory of reporting information for UXO materials within the FUDS project areas at former MCAS Miramar Camp Elliott. This long-term monitoring program addresses UXO issues and provides public outreach and education to inform personnel about the potential hazards associated with UXOs. Field safety warnings, emergency communications, instituting MEC warning signs, and circulating documents have continued to be effective points of resources

and information. This regulation and long-term monitoring program has and will continue to minimize health hazards to the public.

Community Plan Amendments

The MPU proposes to amend the Mission Valley, Tierrasanta, East Elliot, and Navajo Community Plans to adopt the MPU as the policy document for the Master Plan Study Area. Currently the Community Plans do not list any specific guidelines or policies regarding safety hazards. The amendments, as proposed by the MPU, would not include specific guidelines or policies regarding hazardous materials, and no policy conflicts would occur with implementation of the MPU. Potential physical impacts associated with the routine transport, use, or disposal of hazardous materials and hazardous releases into the environment could be avoided through compliance with existing federal, state, and local regulation, lessening the physical effects to the environment.

5.3 Issue 3: Would the proposed Master Plan's uses be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 6596.25 and, as a result, create a significant hazard to the public or environment? As stated above for Issue 2 and in Section 3.2 (Hazards and Hazardous Materials), four active LUST sites and one idle oil and gas well have been discovered within the Master Plan Study Area.

Although the MPU does not include proposals to construct any new structures, future projects within the Master Plan Study Area would involve ground disturbance and grading activities and would potentially encounter and disrupt hazardous substances below ground. However, all future implemented in accordance with the MPU including Mission Trails Design District Ordinance and Design would be required to comply with applicable federal, state, and local regulations related to the accidental release of hazardous materials. Compliance with such regulations would minimize the potential for a release and provide planning mechanisms for prompt and effective cleanup in the event of an accidental release. Required compliance with existing regulations would reduce MPU impacts related to an accidental hazardous materials release to below a level of significance.

Community Plan Amendments

The Mission Valley, Tierrasanta, East Elliott, and Navajo Community Plans do not currently list any specific guidelines or policies regarding hazardous materials sites. The amendment, as proposed by the MPU, would not include specific guidelines or policies regarding hazardous materials sites and therefore, would not conflict with implementation of the Community Plan Amendment.

6. List of Preparers

Consultant

GHD Inc.

3750 Convoy Street, Suite 220

San Diego, CA 92111

- Kristie Casarez, P.E., Project Director
- David D. Davis, AICP, Project Manager/Technical Reviewer
- Teresa Nhean, Planner/Primary Author

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Appendix A

Leaking Underground Storage Tanks (LUST) Cleanup Sites

STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

CASE SUMMARY

<u>REPORT DATE</u>	<u>HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?</u>									
<u>I. REPORTED BY -</u> UNKNOWN	<u>CREATED BY</u> UNKNOWN									
<u>II. RESPONSIBLE PARTY -</u> UNKNOWN										
<u>III. SITE LOCATION</u> <table><tr><td><u>FACILITY NAME</u> ALVARADO FILTRATION PLANT</td><td><u>FACILITY ID</u></td></tr><tr><td><u>FACILITY ADDRESS</u> 5530 KIOWA DRIVE LA MESA, CA 91942 SAN DIEGO COUNTY</td><td><u>ORIENTATION OF SITE TO STREET</u> <u>CROSS STREET</u></td></tr></table>		<u>FACILITY NAME</u> ALVARADO FILTRATION PLANT	<u>FACILITY ID</u>	<u>FACILITY ADDRESS</u> 5530 KIOWA DRIVE LA MESA, CA 91942 SAN DIEGO COUNTY	<u>ORIENTATION OF SITE TO STREET</u> <u>CROSS STREET</u>					
<u>FACILITY NAME</u> ALVARADO FILTRATION PLANT	<u>FACILITY ID</u>									
<u>FACILITY ADDRESS</u> 5530 KIOWA DRIVE LA MESA, CA 91942 SAN DIEGO COUNTY	<u>ORIENTATION OF SITE TO STREET</u> <u>CROSS STREET</u>									
<u>V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN</u>										
<u>VI. DISCOVERY/ABATEMENT</u> <table><tr><td><u>DATE DISCHARGE BEGAN</u></td><td></td><td></td></tr><tr><td><u>DATE DISCOVERED</u></td><td><u>HOW DISCOVERED</u></td><td><u>DESCRIPTION</u></td></tr><tr><td><u>DATE STOPPED</u></td><td><u>STOP METHOD</u></td><td><u>DESCRIPTION</u></td></tr></table>		<u>DATE DISCHARGE BEGAN</u>			<u>DATE DISCOVERED</u>	<u>HOW DISCOVERED</u>	<u>DESCRIPTION</u>	<u>DATE STOPPED</u>	<u>STOP METHOD</u>	<u>DESCRIPTION</u>
<u>DATE DISCHARGE BEGAN</u>										
<u>DATE DISCOVERED</u>	<u>HOW DISCOVERED</u>	<u>DESCRIPTION</u>								
<u>DATE STOPPED</u>	<u>STOP METHOD</u>	<u>DESCRIPTION</u>								
<u>VII. SOURCE/CAUSE</u> <table><tr><td><u>SOURCE OF DISCHARGE</u></td><td><u>CAUSE OF DISCHARGE</u></td></tr><tr><td colspan="2"><u>DISCHARGE DESCRIPTION</u></td></tr></table>		<u>SOURCE OF DISCHARGE</u>	<u>CAUSE OF DISCHARGE</u>	<u>DISCHARGE DESCRIPTION</u>						
<u>SOURCE OF DISCHARGE</u>	<u>CAUSE OF DISCHARGE</u>									
<u>DISCHARGE DESCRIPTION</u>										
<u>VIII. CASE TYPE</u> <u>CASE TYPE</u>										
<u>IX. REMEDIAL ACTION</u> NO REMEDIAL ACTIONS ENTERED										
<u>X. GENERAL COMMENTS</u>										
<u>XI. CERTIFICATION</u> <p>I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.</p>										
<u>XII. REGULATORY USE ONLY</u> <table><tr><td><u>LOCAL AGENCY CASE NUMBER</u></td><td><u>REGIONAL BOARD CASE NUMBER</u> 9 000239N96</td></tr><tr><td colspan="2"><u>LOCAL AGENCY</u> UNKNOWN</td></tr><tr><td colspan="2"><u>REGIONAL BOARD</u></td></tr></table>		<u>LOCAL AGENCY CASE NUMBER</u>	<u>REGIONAL BOARD CASE NUMBER</u> 9 000239N96	<u>LOCAL AGENCY</u> UNKNOWN		<u>REGIONAL BOARD</u>				
<u>LOCAL AGENCY CASE NUMBER</u>	<u>REGIONAL BOARD CASE NUMBER</u> 9 000239N96									
<u>LOCAL AGENCY</u> UNKNOWN										
<u>REGIONAL BOARD</u>										

<u>CONTACT NAME</u>	<u>INITIALS</u>	<u>ORGANIZATION NAME</u>	<u>EMAIL ADDRESS</u>
Roger Mitchell	RNM	SAN DIEGO RWQCB (REGION 9)	rmitchell@waterboards.ca.gov
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<u>PHONE TYPE</u>	<u>PHONE NUMBER</u>	<u>EXTENSION</u>	
FAX	(619)-516-1994		
DIRECT PHONE	(619)-521-5898		

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STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

CASE SUMMARY

<u>REPORT DATE</u>	<u>HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?</u>		
<u>I. REPORTED BY -</u> UNKNOWN	<u>CREATED BY</u> UNKNOWN		
<u>II. RESPONSIBLE PARTY -</u>			
<u>CONTACT NAME</u> KATHERINE LEIBEL	<u>INITIALS</u> KL	<u>ORGANIZATION NAME</u> DEPARTMENT OF TOXIC SUBSTANCES CONTROL	<u>EMAIL ADDRESS</u> kleibel@dtsc.ca.gov
<u>ADDRESS</u> 5796 CORPORATE AVENUE CYPRESS, CA 90630		<u>CONTACT DESCRIPTION</u>	
<u>PHONE TYPE</u> PHONE	<u>PHONE NUMBER</u> (714)-484-5446	<u>EXTENSION</u>	
<u>III. SITE LOCATION</u>			
<u>FACILITY NAME</u> MISSION TRAILS AREA		<u>FACILITY ID</u>	
<u>FACILITY ADDRESS</u> San Diego, CA 92103 SAN DIEGO COUNTY		<u>ORIENTATION OF SITE TO STREET</u> <u>CROSS STREET</u> North of Mission Gorge Road and San Diego River	
<u>V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN</u>			
<u>VI. DISCOVERY/ABATEMENT</u>			
<u>DATE DISCHARGE BEGAN</u>			
<u>DATE DISCOVERED</u>	<u>HOW DISCOVERED</u>	<u>DESCRIPTION</u>	
<u>DATE STOPPED</u>	<u>STOP METHOD</u>	<u>DESCRIPTION</u>	
<u>VII. SOURCE/CAUSE</u>			
<u>SOURCE OF DISCHARGE</u>		<u>CAUSE OF DISCHARGE</u>	
<u>DISCHARGE DESCRIPTION</u>			
<u>VIII. CASE TYPE</u>			
<u>CASE TYPE</u>			
<u>IX. REMEDIAL ACTION</u>			
NO REMEDIAL ACTIONS ENTERED			
<u>X. GENERAL COMMENTS</u>			
<p>The Mission Trails Regional Park was conveyed to the city of San Diego by quitclaim deed on 10 January 1964. This deed restricted the use of the 2,100 acre site to historic monument/public recreational purposes for 20 years.</p> <p>Munitions investigation and removals by the Army Corps of Engineers have been ongoing since the 1990s and work continues currently.</p> <p>Source: http://www.militarymuseum.org/CpElliot.html</p>			

XI. CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN
IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLY

LOCAL AGENCY CASE NUMBER
37970025

REGIONAL BOARD CASE NUMBER
400690 -- 2

LOCAL AGENCY

UNKNOWN

REGIONAL BOARD

<u>CONTACT NAME</u>	<u>INITIALS</u>	<u>ORGANIZATION NAME</u>	<u>EMAIL ADDRESS</u>
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CONTACT DESCRIPTION

<u>PHONE TYPE</u>	<u>PHONE NUMBER</u>	<u>EXTENSION</u>
FAX	(619)-516-1994	
DIRECT LINE	(619)-521-5894	

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STATE WATER RESOURCES CONTROL BOARD

GEOTRACKER

CASE SUMMARY

<u>REPORT DATE</u>	<u>HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?</u>		
<u>I. REPORTED BY -</u> UNKNOWN	<u>CREATED BY</u> UNKNOWN		
<u>II. RESPONSIBLE PARTY -</u>			
<u>CONTACT NAME</u> KATHERINE LEIBEL	<u>INITIALS</u> KL	<u>ORGANIZATION NAME</u> DEPARTMENT OF TOXIC SUBSTANCES CONTROL	<u>EMAIL ADDRESS</u> kleibel@dtsc.ca.gov
<u>ADDRESS</u> 5796 CORPORATE AVENUE CYPRESS, CA 90630		<u>CONTACT DESCRIPTION</u>	
<u>PHONE TYPE</u> PHONE	<u>PHONE NUMBER</u> (714)-484-5446	<u>EXTENSION</u>	
<u>III. SITE LOCATION</u>			
<u>FACILITY NAME</u> EAST		<u>FACILITY ID</u>	
<u>FACILITY ADDRESS</u> San Diego, CA 92103 SAN DIEGO COUNTY		<u>ORIENTATION OF SITE TO STREET</u> <u>CROSS STREET</u> Northern portion of San Diego	
<u>V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN</u>			
<u>VI. DISCOVERY/ABATEMENT</u>			
<u>DATE DISCHARGE BEGAN</u>			
<u>DATE DISCOVERED</u>	<u>HOW DISCOVERED</u>	<u>DESCRIPTION</u>	
<u>DATE STOPPED</u>	<u>STOP METHOD</u>	<u>DESCRIPTION</u>	
<u>VII. SOURCE/CAUSE</u>			
<u>SOURCE OF DISCHARGE</u>		<u>CAUSE OF DISCHARGE</u>	
<u>DISCHARGE DESCRIPTION</u>			
<u>VIII. CASE TYPE</u>			
<u>CASE TYPE</u>			
<u>IX. REMEDIAL ACTION</u>			
NO REMEDIAL ACTIONS ENTERED			
<u>X. GENERAL COMMENTS</u>			
<p>East Elliot is a portion of former Camp Elliot, purchased by the United States Government in 1941 for use as a Marine Corps training camp. In 1961, approximately half of Camp Elliot-including present day East Elliott, Tierrasanta, and a portion of Mission Trails Regional Park--was declared surplus and sold. The 1962 Elliot Community Plan applicable to this area was updated in 1971, and in 1982 a separate community plan for Tierrasanta was adopted.</p> <p>East Elliott remains undeveloped, with the only uses being the Sycamore Landfill and a few telecommunication antennas. It is dominated by native vegetation, including sage scrub, chaparral, native grassland, and oak and sycamore woodland. It constitutes one of the largest and biologically most important remaining open space areas in San Diego with a number of</p>			

endangered and threatened wildlife species.

Munitions investigation and removals by the Army Corps of Engineers have been ongoing since the 1990s and work continues currently.

XI. CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN
IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLY

LOCAL AGENCY CASE NUMBER
37970025

REGIONAL BOARD CASE NUMBER
400690 -- 5

LOCAL AGENCY

UNKNOWN

REGIONAL BOARD

<u>CONTACT NAME</u>	<u>INITIALS</u>	<u>ORGANIZATION NAME</u>	<u>EMAIL ADDRESS</u>
JOHN P. ANDERSON	JPA	SAN DIEGO RWQCB (REGION 9)	janderson@waterboards.ca.gov

ADDRESS
2375 NORTHSIDE DRIVE, SUITE 100
SAN DIEGO, CA 92108-2700

CONTACT DESCRIPTION

<u>PHONE TYPE</u>	<u>PHONE NUMBER</u>	<u>EXTENSION</u>
FAX	(619)-516-1994	
DIRECT LINE	(619)-521-5894	

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Appendix B

Oil and Gas Site

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CHECK LIST – WellStats ORPHAN WELL ENTRY PROJECT

API# 073-00007

Well Name/# 1

Operator R.M. Cole Oil

* Gas Synd.

PDOX	Entry Date - July and August 2003	Initials - Dave Curtis
WellStats	Entry Date - <u>5/12/05</u>	Initials - <u>ae</u>
Map and Map Work	Entry Date - <u>6-28-05</u> Map # <u>W1-7</u>	Initials - <u>GB</u>

NC &

- Return Files(s) to Christina when Mapping is complete.



(07090)

MEMORANDUM CLOSING RECORD.

May 12, 1927.

Well No. 1
R. M. Cole Oil & Gas Synd.
Sec. 11, T. 15 S., R. 1 W.,
San Diego County.

Two letters, copies of which are in this file, have been written to the Syndicate, requesting the filing of log and history of this well. No reply was received. Records of the scouting department of the Shell Company of California give the following information:

On December 27, 1923, the well was standing idle at a depth of 400 feet. An entry in their records dated January 19, 1925, gives no depth but made the remark "Started in granite," which the Shell Company offices interpreted as meaning that the surface formation exposed at the location is granite. A later undated notation shows the well as abandoned. We are therefore closing the record and showing the well as abandoned.

E. J. G. [Signature]
Deputy Supervisor.

HVD:EMP
cc-Mr. R. D. Bush

Reference to file of data

Index	Model	Cross Section	Cards	Remarks	
				11	
100	11				✓

✓
5/19/27
B. B. N.



R. D. BUSH
State Oil and Gas Supervisor
E. HUGUENIN, Deputy

LLOYD L. ROOT
STATE MINERALOGIST

CALIFORNIA STATE MINING BUREAU
DEPARTMENT OF PETROLEUM AND GAS

611 New Orpheum Bldg.,
Los Angeles, Calif.,
July 26, 1926.

R. J. Martin, Secretary.
R.M.Cole Oil and Gas Synd.,
Lakeside, Calif.

Dear Sir:

I wish, for the second time, to call
your attention to the fact that the log and
history of your well No. 1, Sec. 11, T.15 S.,
R.1 W., S.B.B. & M., San Diego County, have not
been filed with this department.

Please file these records at once.

Yours truly,

E. Huguenin
Deputy Supervisor.

611 New Orpheum Bldg.,
Los Angeles, Calif.,
July 26, 1926.

R. J. Martin, Secretary.
R.M.Cole Oil and Gas Synd.,
Lakeside, Calif.

Dear Sir:

I wish, for the second time, to call
your attention to the fact that the log and
history of your well No. 1, Sec. 11, T.15 S.,
R.1 W., S.B.B. & M., San Diego County, have not
been filed with this department.

Please file these records at once.

Yours truly,

E. Huguenin

Deputy Supervisor.

HMB

12/27/23 400' *the*
1/19/25 no depth *started in granite*
Abandon later - date unknown

not in 5/23 B

1126 Pacific Finance Bldg.,
Los Angeles.

October 31, 1925.

R. M. Cole Oil & Gas Syndicate,
Lakeside, Calif.

Attention: R. J. Martin, Secy.

Gentlemen:

I note that you are delinquent in the filing
at this office of the log and history of your well No. 1,
Sec. 11, T. 15 S., R. 1 W., S.B.B. & M., San Diego County.

Please file these records in duplicate on the
inclosed forms at once.

Yours truly,

H. J. Martin

Deputy Supervisor.

Inclosures.

HVD-MC

*Follow up
not in
12/1/25*

*not in
6-23-26
B*

CALIFORNIA STATE MINING BUREAU

DEPARTMENT OF PETROLEUM AND GAS

Report on Proposed Operations

No. P. -1-5380.

Los Angeles,

Cal. March 5, 1923.

Mr. R. J. Martin,

Lakeside, Cal.

Agent for R. M. COLE OIL AND GAS SYNDICATE

DEAR SIR:

Your proposal to drill Well No. 1, Section 11 T. 15S. 1W. S.B. B. & M.

Oil Field San Diego County, dated Feb. 9, 1923.

Received Feb. 23, 1923.

has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is on Tract 56 of the San Diego-Eucalyptus Company's lands, being a resubdivision of Tracts of "B" and "D" of Rancho El Cajon, San Diego County, California. See Plat. The elevation of the derrick floor above sea level is 600 feet. We estimate that the first productive oil or gas sand should be encountered at a depth of about 800 feet, more or less."

PROPOSAL:

"We propose to use the following strings of casing either cementing or landing them as here indicated:

Size of Casing	Weight per Foot	New or Second Hand	Depth	Landed or Cemented
18-1/2	50	Second Hand	100 ft.	Landed
12-1/2	45	New	800 ft.	Cemented
10	45	New	1600 ft.	Cemented
8	28	New	2500	Cemented

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

Recommendation:

As this is to be a wildcat well, there are no data available to indicate the depth of production oil formations, nor the proper depth to shut off water.

Your proposal as outlined above, is approved, subject to the following recommendations:

1. The depth at which a water shut-off is to be made is subject to the approval of this Department.
2. All formations which may contain oil or gas in productive amount must be protected from infiltration of water or dissipation of the gas, by methods approved by the State Oil and Gas Supervisor.
3. Notify this Department at the following stages of drilling the well:
 - (a) When an oil or gas showing is encountered.
 - (b) Before landing or cementing any casing.

cc - R.M.Cole Oil and Gas Syndicate

R. E. COLLOM
State Oil and Gas Supervisor

By Deputy

BB-7.

CALIFORNIA STATE MINING BUREAU

Department of Petroleum and Gas

STATE MINING BUREAU

RECEIVED
FEB 23 1923

NOTICE OF INTENTION TO DRILL NEW WELL

LOS ANGELES OFFICE

This notice must be given before drilling begins

San Diego, Cal. February 9, 1923.

Mr. W. H. Soyester,

Deputy State Oil and Gas Supervisor

Los Angeles, Cal.

DEAR SIR:

SH T/53 R/W

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of drilling well number 1 on Tract 56 of The San Diego-Eucalyptus Company's lands, being a resubdivision of Tracts of "B" and "D" of Rancho El Cajon, San Diego County, California. *see plat*

The well is _____ feet N. or S., and _____ feet E. or W. from _____
(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is 600 feet.

We propose to use the following strings of casing either cementing or landing them as here indicated:

Size of Casing, Inches	Weight, lb. Per Foot	New or Second Hand	Depth	Landed or Cemented
<u>15-1/2</u>	<u>50</u>	<u>Second Hand</u>	<u>100 ft</u>	<u>Landed</u>
<u>12-1/2</u>	<u>45</u>	<u>New</u>	<u>800 ft</u>	<u>Cemented</u>
<u>10</u>	<u>45</u>	<u>New</u>	<u>1600 ft</u>	<u>Cemented</u>
<u>8</u>	<u>28</u>	<u>New</u>	<u>2500</u>	<u>Cemented</u>

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 800 feet, more or less.

To REC re agent 2-26-23 g

Respectfully yours,

Address Lakeside, Calif.

R. M. Cole Oil & Gas Syndicate,
(Name of Company or Operator)

Telephone number _____

By R. J. Martin
Secy

Reference to file of data

Date	Model	Cross Sec. Address	Office to Deputy State Oil and Gas Supervisor in charge of district where well is located
<u>2/21/23</u>	<u>98</u>		<u>88</u>

Shull
Barber

Topo. sh. # 83
E. G. K.

Appendix C

Hazardous Waste Cleanup Site



Envirofacts

FRS Facility Detail Report



FROMEX PHOTO SYSTEMS

7299 NAVAJO RD
SAN DIEGO, CA 92119
EPA Registry Id: 110002735611

Facility Registry Service Links

- Search
 - [FRS Facility Query](#)
 - [FRS EZ Search](#)
 - [Organization Search](#)
- [FRS Physical Data Model](#)
- [FRS Geospatial Model](#)
- [Contact Us](#)
- [Facility Registry Service \(FRS\) Home](#)

[Report an Error](#)

Legend

- ★ Selected Facility
- EPA Facility of Interest
- State/Tribe Facility of Interest

The facility locations displayed come from the FRS Spatial Coordinates tables. They are the best representative locations for the displayed facilities based on the accuracy of the collection method and quality assurance checks performed against each location. The North American Datum of 1983 is used to display all coordinates.

Environmental Interests

Information System	Information System ID	Environmental Interest Type	Data Source	Last Updated Date	Supplemental Environmental Interest
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM	CAD981640964	UNSPECIFIED UNIVERSE (N)	RCRAINFO	06/27/2002	

Additional EPA Reports: [MyEnvironment](#) [Enforcement and Compliance](#) [Site Demographics](#) [Facility Coordinates Viewer](#) [Environmental Justice Map Viewer](#) [Watershed Report](#)

Standard Industrial Classification Codes (SIC)

No SIC Codes returned.
Facility Codes and Flags

EPA Region	09
Duns Number	
Congressional District Number	52
Legislative District Number	4
HUC Code/Watershed	18070304 / SAN DIEGO
US Mexico Border Indicator	YES
Federal Facility	NO
Tribal Land	NO

Alternative Names

No Alternative Names returned.

Organizations

Affiliation Type	Name	DUNS Number	Information System	Mailing Address
OWNER	MUSICANT MYIA		RCRAINFO	View

National Industry Classification System Codes (NAICS)

Data Source	NAICS Code	Description	Primary
RCRAINFO	81292	PHOTOFINISHING	

Facility Mailing Addresses

Affiliation Type	Delivery Point	City Name	State	Postal Code	Information System
OWNER	7299 NAVAJO RD	SAN DIEGO	CA	92119	RCRAINFO
REGULATORY CONTACT	7299 NAVAJO RD	SAN DIEGO	CA	92119	RCRAINFO
FACILITY MAILING ADDRESS	7299 NAVAJO RD	SAN DIEGO	CA	92119	RCRAINFO

Contacts

Affiliation Type	Full Name	Office Phone	Information System	Mailing Address
REGULATORY CONTACT	PHU M NGUYEN	6194639393	RCRAINFO	View

Query executed on: JUL-01-2014

Appendix D

Munitions and Explosives Detections (MEDs)

APPENDIX A

PHOTOGRAPHIC LOG

KEY TO PHOTOGRAPHIC LOG

Photograph No. 1		Note
Date	11/16/06	
Time	1430	
Latitude	N32 49 10.7	(1)
Longitude	W117 06 07.8	
Bearing (degrees)	260	(2)
Previous Photo No.	55	(3)
Sub-Area	F-1	
Field Photo Log Reference No.	217	(4)
JPEG File Name	IMG_0217	(5)

Notes

- (1) World Geodetic System 1984 (WGS84) datum
- (2) Magnetic compass bearing indicating direction to center of photograph
- (3) Refers to number of photo in Appendix F, Photo Erosion Log, USACE, 1999. *Ordnance and Explosives Long Term Monitoring Report for the Tierrasanta Community and the Murphy Canyon Naval Housing Area, San Diego, California.* November
- (4) Number of photograph as recorded in field notes and forms.
- (5) Name of photograph file contained in project files.

Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

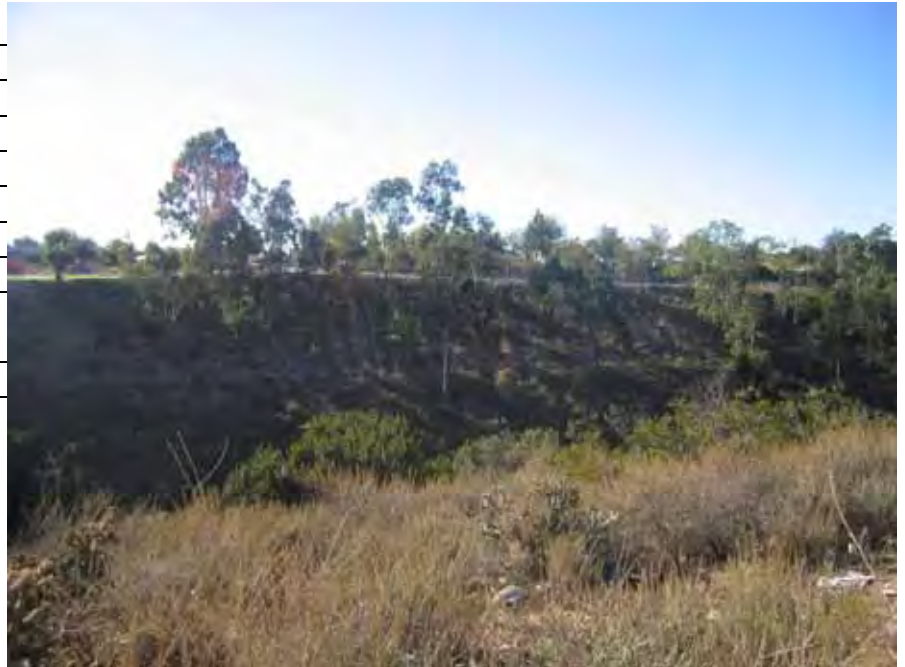
Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 1

Date	11/16/06
Time	1430
Latitude	N32 49 10.7
Longitude	W117 06 07.8
Bearing (degrees)	260
Previous Photo No.	55
Sub-Area	F-1
Field Photo Log Reference No.	217
JPEG File Name	IMG_0217

Description:

Erosion on eastern side of Santo Road



Photograph No. 2

Date	11/16/06
Time	1445
Latitude	N32 49 06.8
Longitude	W117 06 03.1
Bearing (degrees)	190
Previous Photo No.	NA
Sub-Area	F-1
Field Photo Log Reference No.	218
JPEG File Name	IMG_0218

Description:

MEC warning sign at Roadrunner Park.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 3

Date	11/16/06
Time	1545
Latitude	N32 49 20.5
Longitude	W117 05 04.4
Bearing (degrees)	160
Previous Photo No.	6
Sub-Area	F-5N
Field Photo Log Reference No.	220
JPEG File Name	IMG_0220

Description:

Heavily vegetated; within portion of area F-5N that did not burn during the Cedar Fire.

**Photograph No. 4**

Date	11/16/06
Time	1555
Latitude	N32 49 05.3
Longitude	W117 05 29.5
Bearing (degrees)	60
Previous Photo No.	8
Sub-Area	F-3
Field Photo Log Reference No.	221
JPEG File Name	IMG_0221

Description:

MEC warning sign at F-3 and Tierrasanta Road.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 5

Date	11/16/06
Time	1600
Latitude	N32 49 05.3
Longitude	W117 05 29.7
Bearing (degrees)	0
Previous Photo No.	7
Sub-Area	F-3
Field Photo Log Reference No.	222
JPEG File Name	IMG_0222

Description:

Good vegetation at F-3 and
Tierrasanta Road. Area did not burn
in the Cedar Fire

**Photograph No. 6**

Date	11/17/06
Time	0805
Latitude	N32 49 58.6
Longitude	W117 06 47.2
Bearing (degrees)	30
Previous Photo No.	NA
Sub-Area	F-8/F-9
Field Photo Log Reference No.	223
JPEG File Name	IMG_0223

Description:

F-8/F-9; fully recovered from the
Cedar Fire.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 7

Date	11/17/06
Time	0815
Latitude	N32 49 58.0
Longitude	W117 06 48.2
Bearing (degrees)	200
Previous Photo No.	1
Sub-Area	F-8E
Field Photo Log Reference No.	224
JPEG File Name	IMG_0224

Description:

F-8E fully recovered from the Cedar Fire; heavily vegetated, no erosion.

**Photograph No. 8**

Date	11/17/06
Time	0837
Latitude	N32 49 43.6
Longitude	W117 05 18.3
Bearing (degrees)	225
Previous Photo No.	3
Sub-Area	F-2W
Field Photo Log Reference No.	225
JPEG File Name	IMG_0225

Description:

F-2W; heavily vegetated. This area did not burn in the Cedar Fire.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 9

Date	11/17/06
Time	0853
Latitude	N32 49 32.5
Longitude	W117 04 56.1
Bearing (degrees)	290
Previous Photo No.	4
Sub-Area	F-2W
Field Photo Log Reference No.	226
JPEG File Name	IMG_0226

Description:

F-2W; heavily vegetated. This area did not burn in the Cedar Fire.



Photograph No. 10

Date	11/17/06
Time	0853
Latitude	N32 49 32.5
Longitude	W117 04 56.1
Bearing (degrees)	315
Previous Photo No.	4
Sub-Area	F-2W
Field Photo Log Reference No.	227
JPEG File Name	IMG_0227

Description:

F-2W, same location as Photograph 10. Minor vandalism to the MEC sign.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 11

Date	11/17/06
Time	0900
Latitude	N32 49 32.3
Longitude	W117 04 55.4
Bearing (degrees)	134
Previous Photo No.	5
Sub-Area	F-2M
Field Photo Log Reference No.	229
JPEG File Name	IMG_0229

Description:

F-2M. Good vegetation; some evidence of burning; minor vandalism to sign.



Photograph No. 12

Date	11/17/06
Time	0910
Latitude	N32 49 06.4
Longitude	W117 05 45.4
Bearing (degrees)	195
Previous Photo No.	9
Sub-Area	F-1
Field Photo Log Reference No.	230
JPEG File Name	IMG_0230

Description:

F-1 from Tierrasanta. Heavily vegetated. This area did not burn in the Cedar Fire.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 13

Date	11/17/06
Time	0940
Latitude	N32 49 06.4
Longitude	W117 05 40.6
Bearing (degrees)	5
Previous Photo No.	10
Sub-Area	F-2W
Field Photo Log Reference No.	231
JPEG File Name	IMG_0231

Description:

F-2W at southern end. Good vegetation; no evidence of burning.



Photograph No. 14

Date	11/17/06
Time	0958
Latitude	N32 49 04.7
Longitude	W117 06 03.0
Bearing (degrees)	182
Previous Photo No.	11
Sub-Area	F-1
Field Photo Log Reference No.	232
JPEG File Name	IMG_0232

Description:

F-1 from below Roadrunner Park. Heavily vegetated. This area did not burn in the Cedar Fire.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 15

Date	11/17/06
Time	1023
Latitude	N32 49 00.2
Longitude	W117 06 05.3
Bearing (degrees)	90
Previous Photo No.	13
Sub-Area	F-1
Field Photo Log Reference No.	233
JPEG File Name	IMG_0233

Description:

F-1. Heavily vegetated, this area did not burn in the Cedar Fire.



Photograph No. 16

Date	11/17/06
Time	1027
Latitude	N32 49 00.2
Longitude	W117 06 05.3
Bearing (degrees)	168
Previous Photo No.	na
Sub-Area	F-1
Field Photo Log Reference No.	234
JPEG File Name	IMG_0234

Description:

F-1, same location as Photograph 15 above. Heavily vegetated; this area did not burn.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 17

Date	11/17/06
Time	1204
Latitude	N32 48 07.5
Longitude	W117 06 11.7
Bearing (degrees)	22
Previous Photo No.	14
Sub-Area	F-1
Field Photo Log Reference No.	235
JPEG File Name	IMG_0235

Description:

F-1. Heavily vegetated; this area did not burn.



Photograph No. 18

Date	11/17/06
Time	1214
Latitude	N32 48 11.1
Longitude	W117 06 10.9
Bearing (degrees)	58
Previous Photo No.	15
Sub-Area	F-11N
Field Photo Log Reference No.	236
JPEG File Name	IMG_0236

Description:

F-11N, same location as Photograph 18 above. Heavily vegetated; this area did not burn.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 19

Date	11/17/06
Time	1222
Latitude	N32 48 11.5
Longitude	W117 06 14.3
Bearing (degrees)	190
Previous Photo No.	16
Sub-Area	OA-1
Field Photo Log Reference No.	237
JPEG File Name	IMG_0237

Description:

OA-1; F-11N and driving range in background heavily vegetated. Area did not burn.



Photograph No. 20

Date	11/17/06
Time	1226
Latitude	N32 48 11.5
Longitude	W117 06 15.9
Bearing (degrees)	156
Previous Photo No.	17
Sub-Area	OA-1
Field Photo Log Reference No.	238
JPEG File Name	IMG_0238

Description:

OA-1, most of area is fenced to protect vernal pools.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 21

Date	11/17/06
Time	1255
Latitude	N32 48 05.7
Longitude	W117 06 02.1
Bearing (degrees)	0
Previous Photo No.	18
Sub-Area	F-1
Field Photo Log Reference No.	239
JPEG File Name	IMG_0239

Description:

F-1 and driving range in background heavily vegetated.
Area did not burn.



Photograph No. 22

Date	11/17/06
Time	1322
Latitude	N32 50 26.9
Longitude	W117 05 06.1
Bearing (degrees)	213
Previous Photo No.	20
Sub-Area	C-3
Field Photo Log Reference No.	240
JPEG File Name	IMG_0240

Description:

C-3 good vegetation, no evidence of burn left.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 23

Date	11/17/06
Time	1326
Latitude	N32 50 26.9
Longitude	W117 05 06.1
Bearing (degrees)	251
Previous Photo No.	21
Sub-Area	C-3
Field Photo Log Reference No.	241
JPEG File Name	IMG_0241

Description:

North end of C-3 at Portobello Dr.
Area burned in fire, fully recovered,
heavily vegetated. Same location as
22.

**Photograph No. 24**

Date	11/17/06
Time	1344
Latitude	N32 50 27.9
Longitude	W117 05 23.2
Bearing (degrees)	13
Previous Photo No.	22
Sub-Area	C-1
Field Photo Log Reference No.	242
JPEG File Name	IMG_0242

Description:

C-1 at Portobello Dr. Area did not
burn in fire, heavily vegetated.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 25

Date	11/17/06
Time	1352
Latitude	N32 50 27.5
Longitude	W117 05 23.9
Bearing (degrees)	242
Previous Photo No.	23
Sub-Area	C-3
Field Photo Log Reference No.	243
JPEG File Name	IMG_0243

Description:

C-3 at Portobello Dr. Area burned in fire, fully recovered, heavily vegetated.



Photograph No. 26

Date	11/17/06
Time	1406
Latitude	N32 50 15.8
Longitude	W117 05 40.8
Bearing (degrees)	230
Previous Photo No.	24
Sub-Area	F-10N
Field Photo Log Reference No.	244
JPEG File Name	IMG_0244

Description:

F-10N. Area did not burn in fire, heavily vegetated.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 27

Date	11/17/06
Time	1442
Latitude	N32 49 29.5
Longitude	W117 04 34.9
Bearing (degrees)	230
Previous Photo No.	25
Sub-Area	E-2
Field Photo Log Reference No.	245
JPEG File Name	IMG_0245

Description:

E-2 at park entrance end of Clairmonte Mesa Blvd. Area burned in fire, fully recovered, good vegetation.



Photograph No. 28

Date	11/17/06
Time	1445
Latitude	N32 49 29.5
Longitude	W117 04 34.9
Bearing (degrees)	163
Previous Photo No.	26
Sub-Area	E-2
Field Photo Log Reference No.	246
JPEG File Name	IMG_0246

Description:

E-2. Same area as above, trails/roads shown.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 29

Date	11/17/06
Time	1447
Latitude	N32 49 29.5
Longitude	W117 04 34.5
Bearing (degrees)	69
Previous Photo No.	27
Sub-Area	E-1
Field Photo Log Reference No.	247
JPEG File Name	IMG_0247

Description:

E-1 at park entrance end of Clairmonte Mesa Blvd. Area burned in fire, fully recovered, good vegetation.



Photograph No. 30

Date	11/17/06
Time	1455
Latitude	N32 49 29.9
Longitude	W117 04 34.1
Bearing (degrees)	110
Previous Photo No.	28
Sub-Area	E-2CB
Field Photo Log Reference No.	248
JPEG File Name	IMG_0248

Description:

E-2CB, hill in background. Same area as above.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 31

Date	11/17/06
Time	1500
Latitude	N32 49 29.6
Longitude	W117 04 34.9
Bearing (degrees)	50
Previous Photo No.	29
Sub-Area	Park
Field Photo Log Reference No.	249
JPEG File Name	IMG_0249

Description:

Park entrance end of Clairmonte
Mesa Blvd. Area burned in fire, fully
recovered, good vegetation.

**Photograph No. 32**

Date	11/17/06
Time	1506
Latitude	N32 49 29.1
Longitude	W117 04 33.9
Bearing (degrees)	15
Previous Photo No.	30
Sub-Area	Park
Field Photo Log Reference No.	250
JPEG File Name	IMG_0250

Description:

Park entrance end of Clairmonte
Mesa Blvd. Area burned in fire, fully
recovered, good vegetation.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 33

Date	11/17/06
Time	1513
Latitude	N32 49 30.1
Longitude	W117 04 36.4
Bearing (degrees)	115
Previous Photo No.	32
Sub-Area	Park
Field Photo Log Reference No.	251
JPEG File Name	IMG_0251

Description:

Park entrance end of Clairmonte Mesa Blvd. Area burned in fire, fully recovered, good vegetation.



Photograph No. 34

Date	11/17/06
Time	1515
Latitude	N32 49 30.1
Longitude	W117 04 36.4
Bearing (degrees)	75
Previous Photo No.	33
Sub-Area	Park
Field Photo Log Reference No.	252
JPEG File Name	IMG_0252

Description:

Park entrance end of Clairmonte Mesa Blvd. Area burned in fire, fully recovered, good vegetation.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 35

Date	11/18/06
Time	0650
Latitude	N32 48 07.0
Longitude	W117 06 01.8
Bearing (degrees)	220
Previous Photo No.	19
Sub-Area	F-11N
Field Photo Log Reference No.	253
JPEG File Name	IMG_0253

Description:

F-11N at driving range, area did not burn, good vegetation, no erosion.



Photograph No. 36

Date	11/18/06
Time	0707
Latitude	N32 49 14.6
Longitude	W117 04 37.6
Bearing (degrees)	22
Previous Photo No.	36
Sub-Area	E-2
Field Photo Log Reference No.	254
JPEG File Name	IMG_0254

Description:

E-2 in background. Park entrance end of Colina Dorada Dr. Area burned in fire, fully recovered, good vegetation. MEC sign in good condition.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 37

Date	11/18/06
Time	0738
Latitude	N32 49 31.5
Longitude	W117 04 31.4
Bearing (degrees)	350
Previous Photo No.	31
Sub-Area	F-10A
Field Photo Log Reference No.	255
JPEG File Name	IMG_0255

Description:

F-10A, Area burned in fire, fully recovered, good vegetation. No erosion.



Photograph No. 38

Date	11/18/06
Time	0756
Latitude	N32 49 27.9
Longitude	W117 04 46.4
Bearing (degrees)	285
Previous Photo No.	35
Sub-Area	F-2M
Field Photo Log Reference No.	257
JPEG File Name	IMG_0257

Description:

F-2M entrance at Rueda Dr. Area did not burn, good vegetation.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 39

Date	11/18/06
Time	0810
Latitude	N32 49 28.1
Longitude	W117 04 46.5
Bearing (degrees)	110
Previous Photo No.	34
Sub-Area	F-2E
Field Photo Log Reference No.	258
JPEG File Name	IMG_0258

Description:

F-2E, Area burned in fire, fully recovered, decent vegetation. No erosion.



Photograph No. 40

Date	11/18/06
Time	0821
Latitude	N32 49 14.5
Longitude	W117 04 37.6
Bearing (degrees)	70
Previous Photo No.	37
Sub-Area	E-2CB
Field Photo Log Reference No.	259
JPEG File Name	IMG_0259

Description:

F-2CB. Area burned in fire, fully recovered, decent vegetation. No erosion.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 41

Date	11/18/06
Time	0826
Latitude	N32 49 14.6
Longitude	W117 04 37.5
Bearing (degrees)	150
Previous Photo No.	38
Sub-Area	E-2
Field Photo Log Reference No.	261
JPEG File Name	IMG_0261

Description:

E-2, Area burned in fire, fully recovered, good vegetation. No erosion.



Photograph No. 42

Date	11/18/06
Time	0844
Latitude	N32 48 56.8
Longitude	W117 05 13.1
Bearing (degrees)	22
Previous Photo No.	40
Sub-Area	F-5N
Field Photo Log Reference No.	262
JPEG File Name	IMG_0262

Description:

F-5N at Tierrasanta Blvd.. Area burned in fire, fully recovered, good vegetation. No erosion.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 43

Date	11/18/06
Time	0851
Latitude	N32 48 42.1
Longitude	W117 04 58.7
Bearing (degrees)	125
Previous Photo No.	39
Sub-Area	F-5S
Field Photo Log Reference No.	263
JPEG File Name	IMG_0263

Description:

F-5S, Area burned in fire, fully recovered, good vegetation. No erosion.



Photograph No. 44

Date	11/18/06
Time	0927
Latitude	N32 49 54.3
Longitude	W117 06 07.2
Bearing (degrees)	150
Previous Photo No.	41
Sub-Area	F-10E
Field Photo Log Reference No.	264
JPEG File Name	IMG_0264

Description:

F-10E at Tierrasanta Blvd.. Area burned in fire, fully recovered, good vegetation. No erosion.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 45

Date	11/18/06
Time	0949
Latitude	N32 49 55.5
Longitude	W117 05 54.6
Bearing (degrees)	180
Previous Photo No.	43
Sub-Area	F-10E
Field Photo Log Reference No.	265
JPEG File Name	IMG_0265

Description:

F-10E. Area burned in fire, fully recovered, good vegetation. No erosion, prior location of Bike Track, no evidence left of track.



Photograph No. 46

Date	11/18/06
Time	1025
Latitude	N32 49 53.6
Longitude	W117 06 18.6
Bearing (degrees)	0
Previous Photo No.	44
Sub-Area	F-7
Field Photo Log Reference No.	266
JPEG File Name	IMG_0266

Description:

F-7. Location did not burn, heavy vegetation. No increase in erosion from last review.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 47

Date	11/18/06
Time	1031
Latitude	N32 49 51.2
Longitude	W117 06 23.6
Bearing (degrees)	160
Previous Photo No.	45
Sub-Area	F-7
Field Photo Log Reference No.	267
JPEG File Name	IMG_0267

Description:

F-7. Area burned in fire, fully recovered, good vegetation. No erosion.



Photograph No. 48

Date	11/18/06
Time	1034
Latitude	N32 49 51.2
Longitude	W117 06 22.9
Bearing (degrees)	188
Previous Photo No.	46
Sub-Area	F-7
Field Photo Log Reference No.	268
JPEG File Name	IMG_0268

Description:

F-7. Area burned in fire, fully recovered, good vegetation. No erosion.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 49

Date	11/18/06
Time	1037
Latitude	N32 49 51.1
Longitude	W117 06 23.4
Bearing (degrees)	220
Previous Photo No.	47
Sub-Area	F-7
Field Photo Log Reference No.	269
JPEG File Name	IMG_0269

Description:

F-7. Area burned in fire, fully recovered, good vegetation. No erosion.



Photograph No. 50

Date	11/18/06
Time	1045
Latitude	N32 49 46.4
Longitude	W117 06 18.2
Bearing (degrees)	195
Previous Photo No.	48
Sub-Area	F-6
Field Photo Log Reference No.	270
JPEG File Name	IMG_0270

Description:

F-6. Area not burned in fire, heavy vegetation. No erosion.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 51

Date	11/18/06
Time	1156
Latitude	N32 49 11.3
Longitude	W117 06 12.0
Bearing (degrees)	70
Previous Photo No.	52
Sub-Area	F-1
Field Photo Log Reference No.	271
JPEG File Name	IMG_0271

Description:

F-1. Area did not burn in fire, better vegetation. Erosion improved.

**Photograph No. 52**

Date	11/18/06
Time	1203
Latitude	N32 49 10.6
Longitude	W117 06 12.1
Bearing (degrees)	70
Previous Photo No.	49
Sub-Area	F-1
Field Photo Log Reference No.	272
JPEG File Name	IMG_0272

Description:

F-1. Area did not burn in fire, better vegetation. Erosion improved. Same area as above.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 53

Date	11/18/06
Time	1205
Latitude	N32 49 10.6
Longitude	W117 06 12.1
Bearing (degrees)	45
Previous Photo No.	50
Sub-Area	F-1
Field Photo Log Reference No.	273
JPEG File Name	IMG_0273

Description:

F-1. Area did not burn in fire, better vegetation. Erosion improved.

**Photograph No. 54**

Date	11/18/06
Time	1207
Latitude	N32 49 10.6
Longitude	W117 06 12.1
Bearing (degrees)	22
Previous Photo No.	51
Sub-Area	F-1
Field Photo Log Reference No.	274
JPEG File Name	IMG_0274

Description:

F-1. Area did not burn in fire, better vegetation. Erosion improved. Same area as above.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 55

Date	11/18/06
Time	1212
Latitude	N32 49 11.3
Longitude	W117 06 12.1
Bearing (degrees)	125
Previous Photo No.	53
Sub-Area	F-1
Field Photo Log Reference No.	275
JPEG File Name	IMG_0275

Description:

F-1. Area did not burn in fire, better vegetation. Erosion improved.

**Photograph No. 56**

Date	11/18/06
Time	1217
Latitude	N32 49 12.1
Longitude	W117 06 12.0
Bearing (degrees)	70
Previous Photo No.	54
Sub-Area	F-1
Field Photo Log Reference No.	276
JPEG File Name	IMG_0276

Description:

F-1. Area did not burn in fire, better vegetation. Erosion improved. Same area as above.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 57

Date	11/18/06
Time	1313
Latitude	N32 49 00.2
Longitude	W117 05 11.0
Bearing (degrees)	280
Previous Photo No.	57
Sub-Area	F-5N
Field Photo Log Reference No.	277
JPEG File Name	IMG_0277

Description:

F-5N. Area burned in fire, vegetation recovered. Road in foreground.



Photograph No. 58

Date	11/18/06
Time	1318
Latitude	N32 49 02.3
Longitude	W117 05 09.0
Bearing (degrees)	290
Previous Photo No.	58
Sub-Area	F-5N
Field Photo Log Reference No.	278
JPEG File Name	IMG_0278

Description:

F-5N. Area burned in fire, vegetation recovered. Previous minor erosion on slope below house better, more vegetation.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 59

Date	11/18/06
Time	1329
Latitude	N32 49 04.9
Longitude	W117 05 09.9
Bearing (degrees)	284
Previous Photo No.	59
Sub-Area	F-5N
Field Photo Log Reference No.	279
JPEG File Name	IMG_0279

Description:

F-5N. Area burned in fire, vegetation recovered. Former minor erosion no longer present.



Photograph No. 60

Date	11/18/06
Time	1412
Latitude	N32 49 13.1
Longitude	W117 05 43.5
Bearing (degrees)	60
Previous Photo No.	60
Sub-Area	F-2W
Field Photo Log Reference No.	280
JPEG File Name	IMG_0280

Description:

F-2W. Previous minor erosion on slope below house unchanged.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 61

Date	11/18/06
Time	1456
Latitude	N32 49 18.5
Longitude	W117 05 03.7
Bearing (degrees)	40
Previous Photo No.	64
Sub-Area	F-5N
Field Photo Log Reference No.	281
JPEG File Name	IMG_0281

Description:

F-5N. Previous minor erosion on slope below house unchanged. This area of F-5N did not burn.



Photograph No. 62

Date	11/18/06
Time	1512
Latitude	N32 49 18.9
Longitude	W117 04 47.1
Bearing (degrees)	182
Previous Photo No.	66
Sub-Area	F-5N
Field Photo Log Reference No.	282
JPEG File Name	IMG_0282

Description:

F-5N. Previous minor erosion on slope below houses has more vegetation, no visible erosion.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSII

Photograph No. 63

Date	11/18/06
Time	1513
Latitude	N32 49 18.9
Longitude	W117 04 47.1
Bearing (degrees)	150
Previous Photo No.	65
Sub-Area	F-5N
Field Photo Log Reference No.	283
JPEG File Name	IMG_0283

Description:

F-5N. Previous minor erosion on slope below houses not visible.



Photograph No. 64

Date	11/19/06
Time	0651
Latitude	N32 49 49.4
Longitude	W117 06 22.2
Bearing (degrees)	70
Previous Photo No.	67
Sub-Area	F-7
Field Photo Log Reference No.	284
JPEG File Name	IMG_0284

Description:

F-7. Previous minor erosion on slope has more vegetation, not visible erosion.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 65

Date	11/19/06
Time	0703
Latitude	N32 49 53.1
Longitude	W117 06 09.9
Bearing (degrees)	240
Previous Photo No.	68
Sub-Area	F-7
Field Photo Log Reference No.	285
JPEG File Name	IMG_0285

Description:

F-7. Previous minor erosion on slope below houses not visible.

**Photograph No. 66**

Date	11/19/06
Time	0708
Latitude	N32 49 56.5
Longitude	W117 06 07.9
Bearing (degrees)	255
Previous Photo No.	69
Sub-Area	F-7
Field Photo Log Reference No.	286
JPEG File Name	IMG_0286

Description:

F-7. Previous minor erosion on slope has more vegetation, no great change.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 67

Date	11/19/06
Time	0717
Latitude	N32 49 53.8
Longitude	W117 06 08.1
Bearing (degrees)	40
Previous Photo No.	70
Sub-Area	F-10E
Field Photo Log Reference No.	287
JPEG File Name	IMG_0287

Description:

F-10E. Vegetation improved, no erosion.



Photograph No. 68

Date	11/19/06
Time	0729
Latitude	N32 49 57.2
Longitude	W117 05 57.5
Bearing (degrees)	120
Previous Photo No.	71
Sub-Area	F-10E
Field Photo Log Reference No.	288
JPEG File Name	IMG_0288

Description:

F-10E. Vegetation improved, no erosion.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 69

Date	11/19/06
Time	0734
Latitude	N32 50 00.5
Longitude	W117 05 59.1
Bearing (degrees)	25
Previous Photo No.	72
Sub-Area	F-10N
Field Photo Log Reference No.	289
JPEG File Name	IMG_0289

Description:

F-10N. Mulch put down on trail.



Photograph No. 70

Date	11/19/06
Time	0755
Latitude	N32 49 45.3
Longitude	W117 04 58.2
Bearing (degrees)	45
Previous Photo No.	73
Sub-Area	F-10M
Field Photo Log Reference No.	290
JPEG File Name	IMG_0290

Description:

F-10E. Vegetation improved since fire, no erosion found.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 71

Date	11/19/06
Time	0801
Latitude	N32 49 48.5
Longitude	W117 05 01.3
Bearing (degrees)	310
Previous Photo No.	74
Sub-Area	F-10E
Field Photo Log Reference No.	291
JPEG File Name	IMG_0291

Description:

F-10E. Area recovered from fire, good vegetation.



Photograph No. 72

Date	11/19/06
Time	0836
Latitude	N32 50 03.4
Longitude	W117 05 01.5
Bearing (degrees)	185
Previous Photo No.	75
Sub-Area	C-5
Field Photo Log Reference No.	292
JPEG File Name	IMG_0292

Description:

C-5. Vegetation improved, no erosion found.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 73

Date	11/19/06
Time	0840
Latitude	N32 50 03.2
Longitude	W117 05 03.3
Bearing (degrees)	10
Previous Photo No.	76
Sub-Area	C-5
Field Photo Log Reference No.	293
JPEG File Name	IMG_0293

Description:

C-5. Area recovered from fire, good vegetation.



Photograph No. 74

Date	11/19/06
Time	0858
Latitude	N32 50 13.4
Longitude	W117 05 03.9
Bearing (degrees)	190
Previous Photo No.	77
Sub-Area	C-4
Field Photo Log Reference No.	294
JPEG File Name	IMG_0294

Description:

C-4. Area recovered from fire, good vegetation.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 75

Date	11/19/06
Time	0900
Latitude	N32 50 13.4
Longitude	W117 05 03.9
Bearing (degrees)	40
Previous Photo No.	78
Sub-Area	C-4
Field Photo Log Reference No.	295
JPEG File Name	IMG_0295

Description:

C-4. Area recovered from fire, good vegetation.



Photograph No. 76

Date	11/19/06
Time	0906
Latitude	N32 50 15.8
Longitude	W117 04 57.1
Bearing (degrees)	35
Previous Photo No.	79
Sub-Area	C-4
Field Photo Log Reference No.	296
JPEG File Name	IMG_0296

Description:

C-4. Area recovered from fire, good vegetation.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 77

Date	11/18/06
Time	1034
Latitude	N32 50 34.1
Longitude	W117 04 57.0
Bearing (degrees)	S30E
Previous Photo No.	na
Sub-Area	C-2
Field Photo Log Reference No.	215
JPEG File Name	IMG_0215

Description:

C-2. Area recovered from fire, good vegetation. (This photo is closeup of Photograph No. 48 from 2008 MTRP Recurring Review)



Photograph No. 78

Date	11/19/06
Time	0932
Latitude	N32 49 49.5
Longitude	W117 06 24.7
Bearing (degrees)	212
Previous Photo No.	81
Sub-Area	F-6
Field Photo Log Reference No.	297
JPEG File Name	IMG_0297

Description:

F-6. Area recovered from fire, good vegetation.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 79

Date	11/19/06
Time	0937
Latitude	N32 49 45.9
Longitude	W117 06 15.0
Bearing (degrees)	230
Previous Photo No.	80
Sub-Area	F-6
Field Photo Log Reference No.	298
JPEG File Name	IMG_0298

Description:

F-6. Area recovered from fire, good vegetation, no erosion.

**Photograph No. 80**

Date	11/19/06
Time	1008
Latitude	N32 49 05.4
Longitude	W117 06 13.0
Bearing (degrees)	58
Previous Photo No.	61
Sub-Area	F-1
Field Photo Log Reference No.	299
JPEG File Name	IMG_0299

Description:

F-1. Looking down large gully now repaired.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

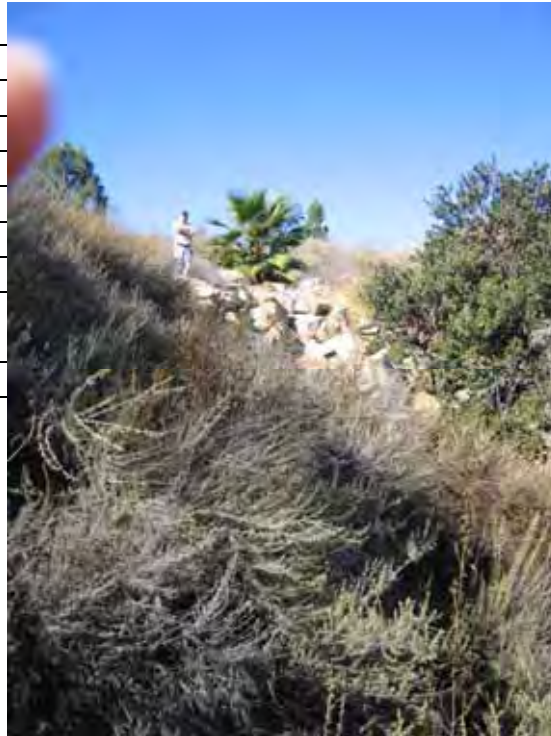
Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 81

Date	11/19/06
Time	1010
Latitude	N32 49 05.4
Longitude	W117 06 12.4
Bearing (degrees)	270
Previous Photo No.	61
Sub-Area	F-1
Field Photo Log Reference No.	300
JPEG File Name	IMG_0300

Description:

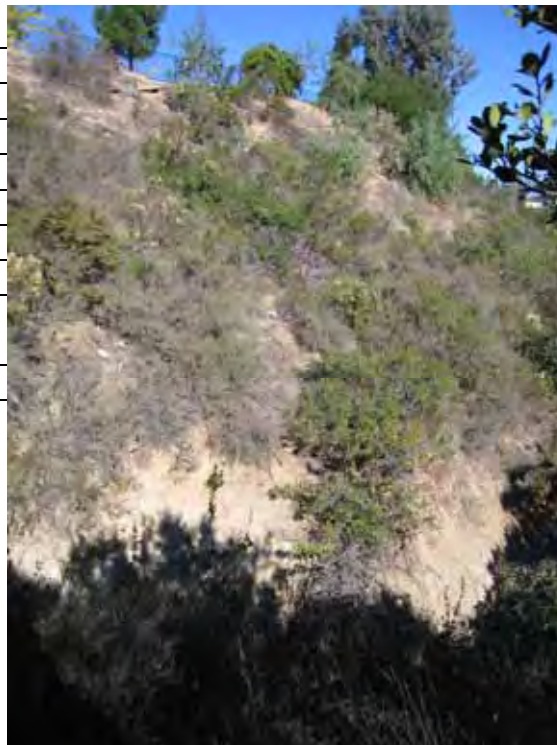
F-1. Large gully now repaired.

**Photograph No. 82**

Date	11/19/06
Time	1012
Latitude	N32 49 05.5
Longitude	W117 06 12.2
Bearing (degrees)	352
Previous Photo No.	61
Sub-Area	F-1
Field Photo Log Reference No.	301
JPEG File Name	IMG_0301

Description:

F-1. Lower portion of same gully, appears to be deeper and wider.



Appendix A – Photographic Log

Client: U.S. Army Corps of Engineers
Location: Tierrasanta Project Area, San Diego, California
Photograph Dates: November 16 - 20, 2006

Prepared by: ITSI
Project Number: 04976.0100
Photographer: ITSI

Photograph No. 83

Date	11/20/06
Time	1225
Latitude	N32 49 15.2
Longitude	W117 05 53.0
Bearing (degrees)	NA
Previous Photo No.	na
Sub-Area	na
Field Photo Log Reference No.	305
JPEG File Name	IMG_0302

Description:
MEC Display at Tierrasanta Library.



Photograph No. 84

Date	11/20/06
Time	1410
Latitude	N32 49 08.0
Longitude	W117 06 57.7
Bearing (degrees)	90
Previous Photo No.	na
Sub-Area	OA-4
Field Photo Log Reference No.	303
JPEG File Name	IMG_0303

Description:
OA-4. Only erosional area in OA-4.



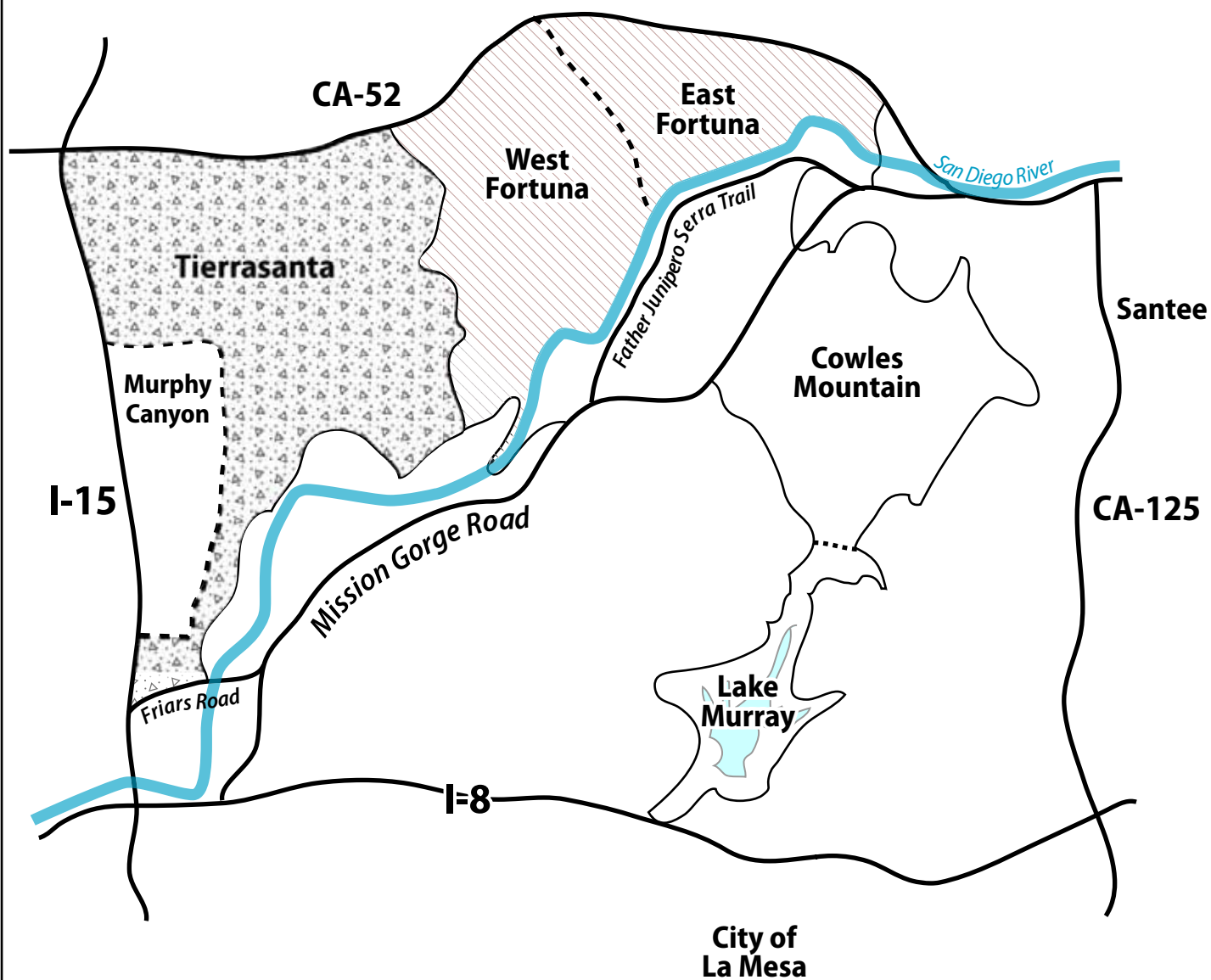


Source: ESRI Street Maps



Munitions and Explosives Response Action
Five-Year Recurring Review for Mission Trails FUDS J09CA006702 and
Tierrasanta FUDS J09CA006701
 Former Camp Elliott, California

FIGURE 1
 Regional Location Map



LEGEND



Camp Elliott - Tierrasanta FUDS Project Area
(The Community of Tierrasanta and Murphy Canyon)

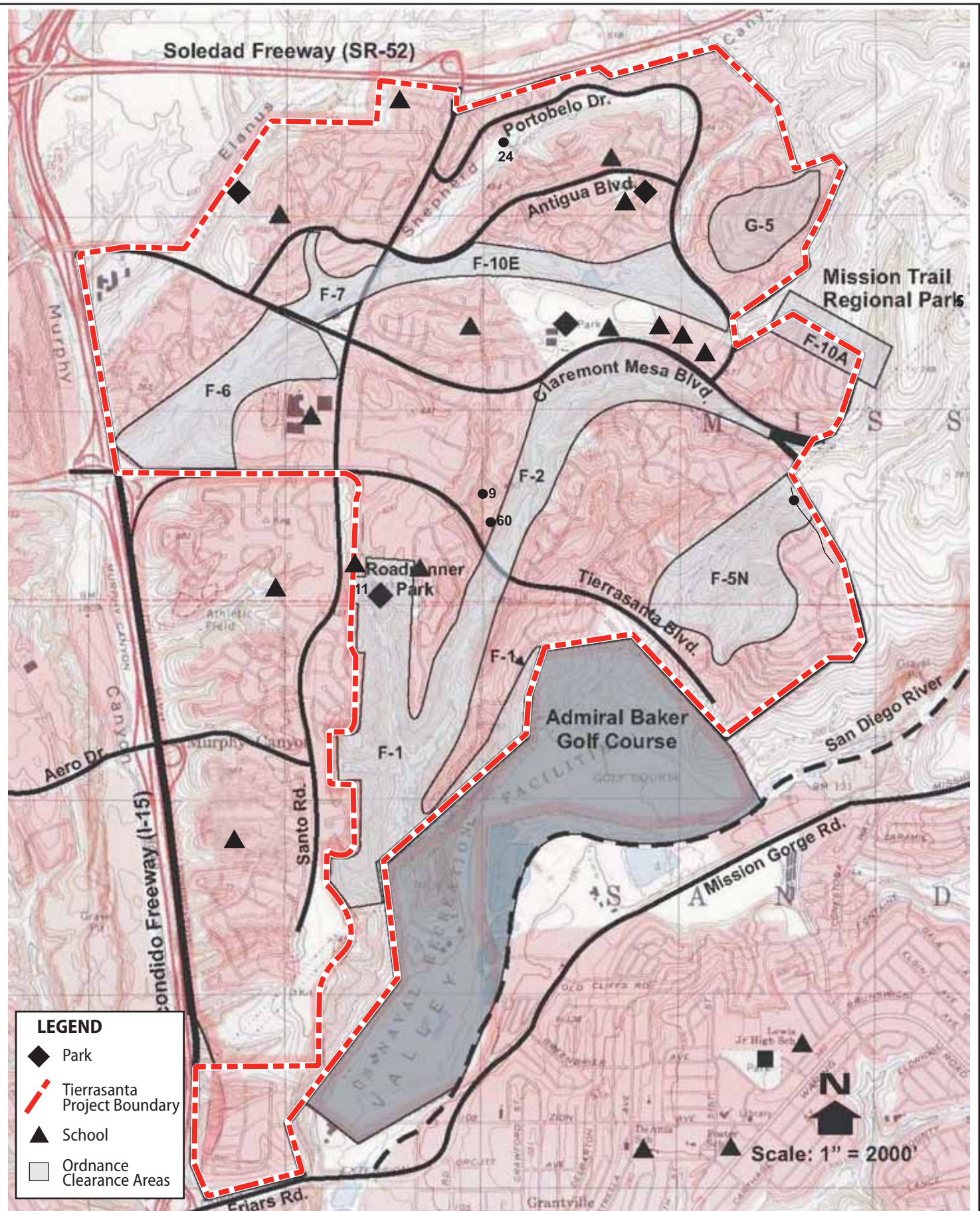


Camp Elliott - Mission Trails FUDS Project Area
(Portions of Mission Trails Regional Park)



Munitions and Explosives Response Action
Five-Year Recurring Review for Mission Trails FUDS
J09CA006702 and
Tierrasanta FUDS J09CA006701
 Former Camp Elliott, California

FIGURE 2
 Formerly Used Defense Site
 Tierrasanta and Mission Trails Project Areas

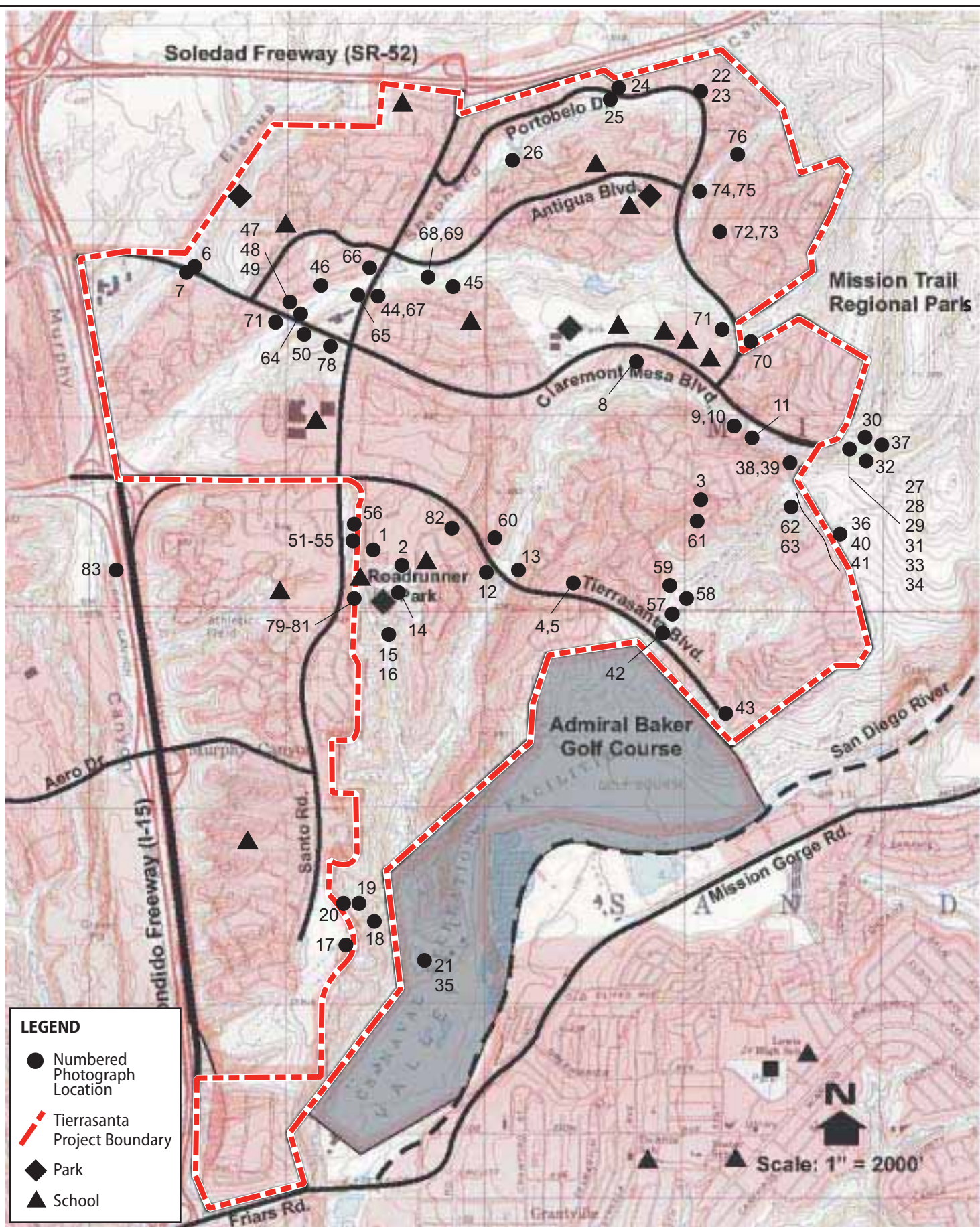


Source: USACE Long Term Monitoring Report, 1999



Munitions and Explosives Response Action
Five-Year Recurring Review for Tierrasanta FUDS J09CA006701
 Former Camp Elliott, California

FIGURE 4
 Tierrasanta Ordnance and
 Erosion Concerns

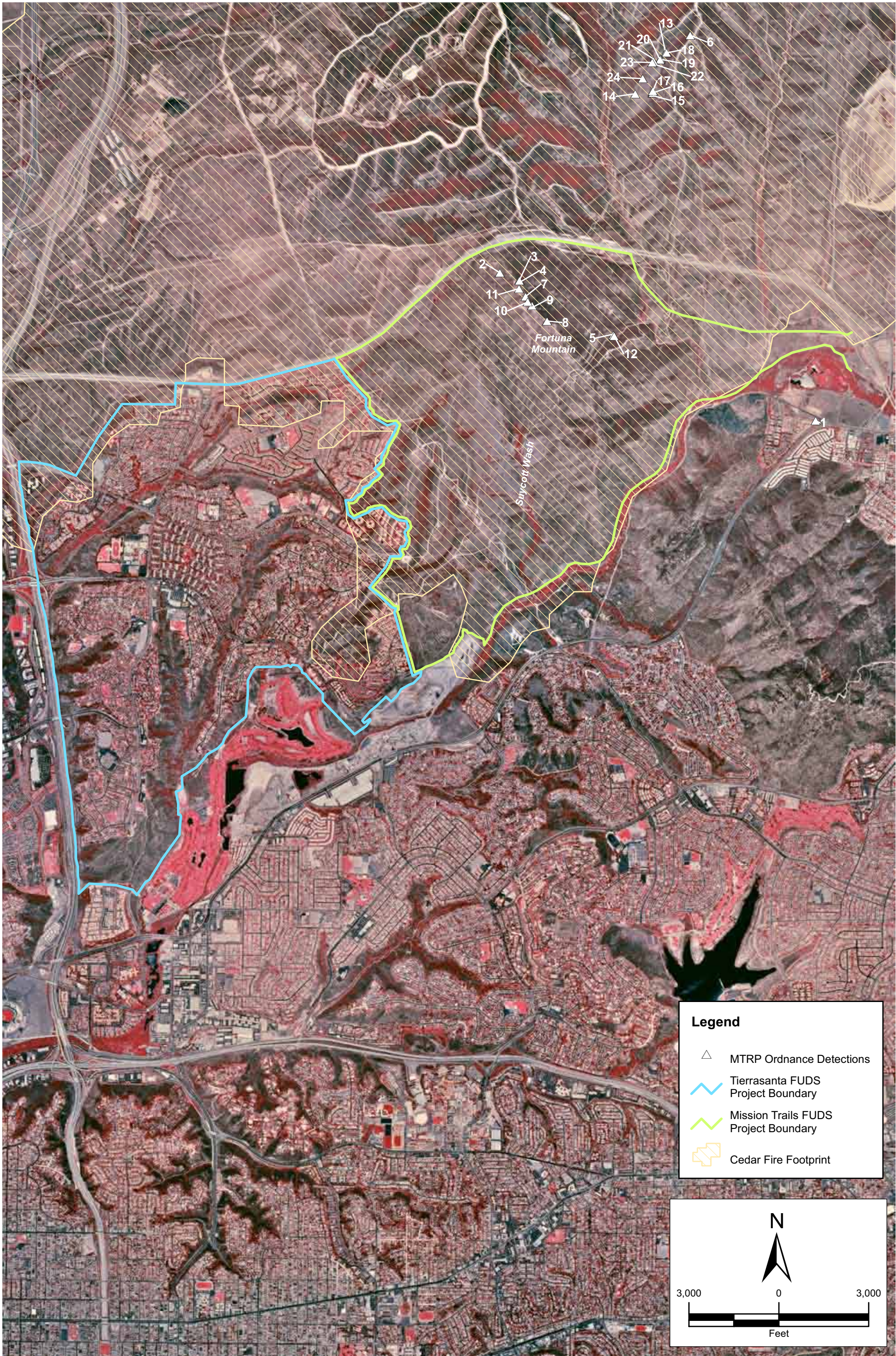


Source: USACE Long Term Monitoring Report, 1999



Munitions and Explosives Response Action
Five-Year Recurring Review for Tierrasanta FUDS J09CA006701
 Former Camp Elliott, California

FIGURE 5
 Tierrasanta
 Photograph Locations

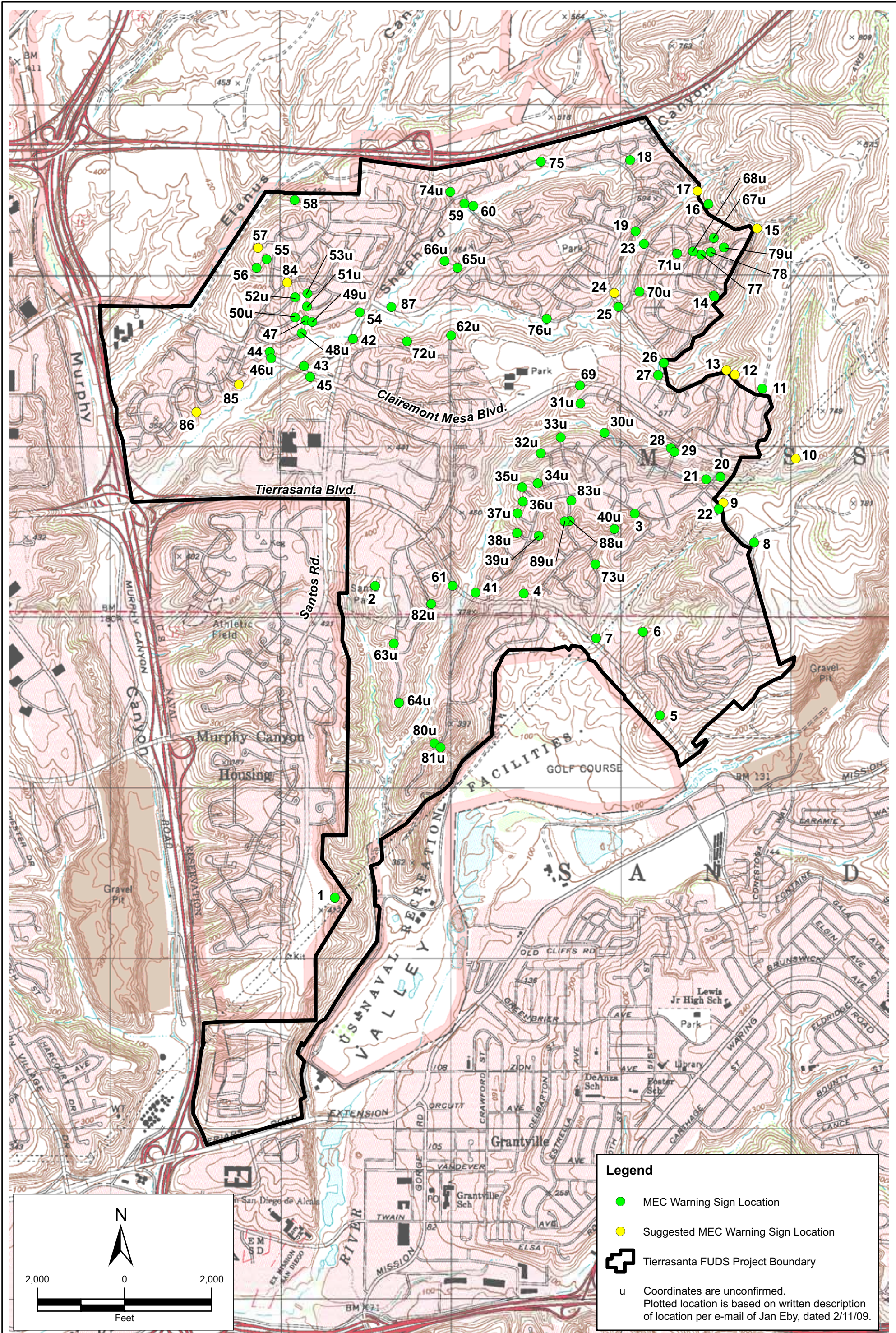


Source: Digital Ortho Quarter Quads, La Mesa, 1995



Munitions and Explosives Response Action
Five-Year Recurring Review for Mission Trails FUDS J09CA006702 and
Tierrasanta FUDS J09CA006701
Former Camp Elliott, California

FIGURE 6
Cedar Fire Footprint with
NTRP Ordnance Detection



Source: USGS 7.5 minute Quadrangle, La Mesa, 1966, Photorevised 1994

Figure 7 Data Sheet

Existing Sign Locations			
Figure 7 Location Number	Latitude	Longitude	
1	N 32 48 7.4	W 117 6 12.2	Santos Rd
2	N 32 49 06.8	W 117 6 3.1	Road Runner Park
3	N 32 49 20.5	W 117 5 4.4	Rueda Dr, S side, at Zorita Ct
4	N 32 49 5.30	W 117 5 29.5	Tierrasanta Blvd, N side, between Rueda Dr and Tambor Rd
5	N 32 48 42.1	W 117 4 58.7	Tierrasanta Blvd, E end
6	N 32 48 58.0	W 117 5 2.5	Pediente Ct
7	N 32 48 56.8	W 117 5 13.1	Tierrasanta Blvd, N side, SDGE gate between Tambor Rd and Colina Dorada Dr
8	N 32 49 15.0	W 117 4 37.4	Colina Dorada Dr, N side, park entrance gate
11	N 32 49 44.29	W 117 4 35.52	Renovo Way, north end
14	N 32 50 2.08	W 117 4 46.55	Lugar Playa Catalina
14	N 32 50 1.81	W 117 4 46.38	Lugar Playa Catalina
16	N 32 50 19.46	W 117 4 47.73	Corte Playa Las Brisas
18	N 32 50 27.80	W 117 5 5.40	Portobello Dr
19	N 32 50 14.3	W 117 5 4.20	Avenida Playa Cancun, E side
20	N 32 49 27.5	W 117 4 45.0	Rueda Drive, E side, between Via Promesa and Palabra Circle
21	N 32 49 26.9	W 117 4 48.2	Rueda Drive, W side, opposite Palabra Circle
22	N 32 49 21.4	W 117 4 45.4	Colina Dorada Dr, S side, entrance gate under powerlines
23	N 32 50 11.9	W 117 5 2.3	Via Playa de Cortes, W side, opposite Corte Playa Laguna
25	N 32 49 59.9	W 117 5 8.1	Via Valarta, W side at church, opposite Corte Playa Laguna
26	N 32 49 49.2	W 117 4 57.8	Via Valarta, E side, between Colegio Dr and Via Dominique
27	N 32 49 46.9	W 117 4 59.1	Via Valarta, W side, near Via Dominique
28	N 32 49 33.0	W 117 4 56.2	Seda Drive, W side between CMB and Calle de Vida
29	N 32 49 32.3	W 117 4 55.42	Seda Drive, E side between CMB and Calle de Vida
30u	N 32 49 35.9	W 117 5 11.23	Calle de Vida, between houses, near house # 4494, gate access
31u	N 32 49 41.42	W 117 5 16.7	Promesa Drive Terminus

u – coordinates are unconfirmed. Sign locations are per Jan Eby email dated 2/11/09

Figure 7 Data Sheet

Existing Sign Locations			
Figure 7 Location Number	Latitude	Longitude	
32u	N 32 49 32.03	W 117 5 25.6	Vivaracho Way, W end
33u	N 32 49 35.01	W 117 5 21.12	Vivaracho Ct.
34u	N 32 49 26.3	W 117 5 26.3	Cartulina Drive, W end off Rueda
35u	N 32 49 25.55	W 117 5 29.83	Via del Cosira
36u	N 32 49 22.82	W 117 5 29.7"	Via del Cosira Ct
37u	N 32 49 20.6	W 117 5 30.9	Cascajo
38u	N 32 49 16.8	W 117 5 31.0	Valiente Ct, W end
39u	N 32 49 16.3	W 117 5 26.1	Valiente Ct, E end
40u	N 32 49 17.6	W 117 5 9.0	Tambor Ct
41	N 2 49 5.5	W 117 5 40.4	Tierrasanta Blvd, N side between Ducos and Rueda
42	N 32 49 53.8	W 117 6 8.1	Santo Rd, E side, between Antigua Blvd and CMB
43	N 32 49 48.6	W 117 6 19.2	Clairmont Mesa Blvd (CMB), N side, at W end of strip mall at intersection of CMB and Santos Rd
44	N 32 49 51.3	W 117 6 26.9	CMB, N side
45	N 32 49 46.5	W 117 6 17.8	CMB, S side, near strip mall
46u	N 32 49 50.1	W 117 6 26.6	CMB, S side
47	N 32 49 57.3	W 117 6 18.8	Trail between Totuga Ct and Veracruz Ct.
48u	N 32 49 54.9	W 117 6 19.7	Vera Cruz Ct.
49u	N 32 49 57.0	W 117 6 17.3	Tortuga Ct
50u	N 32 49 57.9	W 117 6 21.2	Carioca CT
51u	N 32 49 59.9	W 117 6 18.5	Bravo Ct
52u	N 32 50 1.7	W 117 6 21.2	Matador Ct
53u	N 32 50 2.4	W 117 6 18.4	Guicho Ct
54	N 32 49 58.8	W 117 6 6.6	Santos Rd, W side, S of intersection with Antigua
55	N 32 50 8.9	W 117 6 27.6	Villa Montserate Park
56	N 32 50 7.3	W 117 6 29.9	Villa Montserate Park – burned sign - replace
58	N 32 50 20.2	W 117 6 21.3	La Morada Dr, W end culdesac
59	N 32 50 19.5	W 117 5 42.9	Villarica, S side, between Portobelo and Barcelona or Camino Playa Carmel
60	32 50 19.1	W 117 5 40.9	Villarica, N side, between Portobelo and Barcelona or Camino Playa Carmel

u – coordinates are unconfirmed. Sign locations are per Jan Eby email dated 2/11/09

Figure 7 Data Sheet

Existing Sign Locations			
Figure 7 Location Number	Latitude	Longitude	
61	N 32 49 6.8	W 117 5 45.6	Tierrasanta Blvd, S side, between Rueda and Ducos
62u	N 32 49 54.4	W 117 5 45.9	La Cuenta Drive – N end terminus
63u	N 32 48 55.8	W 117 5 58.9	La Cuenta Drive – At Baroque, W side
64u	N 32 48 44.5	W 117 5 57.7	La Cuenta Drive – S end terminus
65u	N 32 50 7.3	W 117 5 44.5	Camino Playa Portofina
66u	N 32 50 8.6	W 117 5 47.4	Calle Mariselda terminus
67u	N 32 50 13.0	W 117 4 46.5	Callejon Quintana
68u	N 32 50 10.4	W 117 4 51.2	Belardo, between Callejon Quintana and Cam. Playa Catalina
69	N 32 49 44.9	W 117 5 16.8	CMB, S side, across from Rec Center
70u	N 32 50 2.77	W 117 5 3.3	Corte Playa de Cortes
71u	N 32 50 10.0	W 117 4 54.8	Corte Playa San Juan
72u	N 32 49 53.3	W 117 5 55.9	Gabacho Drive entrance, between houses, near house # 10720
73u	N 32 49 10.87	W 117 5 13.3	Pallon Way
74u	N 32 50 21.7	W 117 5 46.1	Potobelo pocket park
75	N 32 50 27.5	W 117 5 25.6	Portobelo, S side between houses, near house # 10921
76u	N 32 49 57.6	W 117 5 24.3	Avenida Playa Veracruz, S side, near Corte Playa Encino
77	N 32 50 9.8	W 117 4 49.4	Terraza Playa Catalina
78	N 32 50 10.3	W 117 4 47.2	Playa Catalina
79u	N 32 50 11.2	W 117 4 44.2	Via Playa Los Santos
80u	N 32 48 36.8	W 117 5 49.7	Viancha Dr, W side
81u	N 32 48 36.0	W 117 5 48.3	Viancha Dr, E side
82u	N 32 49 3.3	W 117 5 50.4	Baroque Ln
83u	N 32 49 26.3	W 117 5 26.3	Cartulina, E side off Rueda between houses
87	N 32 49 59.8	W 117 5 59.4	Antigua Blvd, N side, near intersection with Santos Rd.
88	N 32 49 19.1	W 117 5 19.1	Cartulina, E side off Rueda between houses
89	N 32 49 19.0	W 117 5 20.2	Cartulina, W side off Rueda between houses

u – coordinates are unconfirmed. Sign locations are per Jan Eby email dated 2/11/09

Figure 7 Data Sheet

Suggested Sign Locations			
Figure 7 Location Number	Latitude	Longitude	
9	N 32 49 22.57	W 117 4 44.38	Calle de Vida, N side space between houses, entrance to park
10	N 32 49 31.00	W 117 4 28.00	East end of wood bridge at Clairemont Mesa park entrance
12	N 32 49 46.97	W 117 4 41.72	Valdina Way
13	N 32 49 47.88	W 117 4 43.66	Tinasa Way
15	N 32 50 14.79	W 117 4 36.71	Corte Playa Catalina
17	N 32 50 21.94	W 117 4 50.19	Path to MTRP between Avenida Playa Cancun and Via Playa de Cortes
24	N 32 50 2.5	W 117 5 9.0	Via Valarta, E side, between Camino Playa Norte and Corte Playa Laguna
57	N 32 50 11.1	W 117 6 29.6	Villa Montserate Park
84	N 32 50 4.5	W 117 6 23.0	North of parking lot for Vista Grande Elemenary School
85	N 32 49 45.1	W 117 6 33.9	Outlook Point terminus
86	N 32 49 39.8	W 117 6 43.5	Trail junction between Park Crest Ln and Lemonwood Ln

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR**CAMP ELLIOT (80000794)**[SIGN UP FOR EMAIL ALERTS](#)TIERRASANTA, CA
SAN DIEGO COUNTY
SITE TYPE: FUDS**SUPERVISOR:**
OFFICE:DOUGLAS BAUTISTA
CLEANUP CYPRESS

Site Information

CLEANUP STATUS**INACTIVE - NEEDS EVALUATION AS OF 7/1/2005****SITE TYPE:** FUDS**NATIONAL PRIORITIES LIST:** NO**ACRES:** 30500 ACRES**APN:** NONE SPECIFIED**CLEANUP OVERSIGHT AGENCIES:**DTSC - SITE CLEANUP PROGRAM - **LEAD****ENVIROSTOR ID:**

80000794

SITE CODE:**SPECIAL PROGRAM:****FUNDING:**

DERA

ASSEMBLY DISTRICT:

77

SENATE DISTRICT:

39

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION

NONE SPECIFIED

POTENTIAL CONTAMINANTS OF CONCERN

EXPLOSIVES (UXO, MEC)

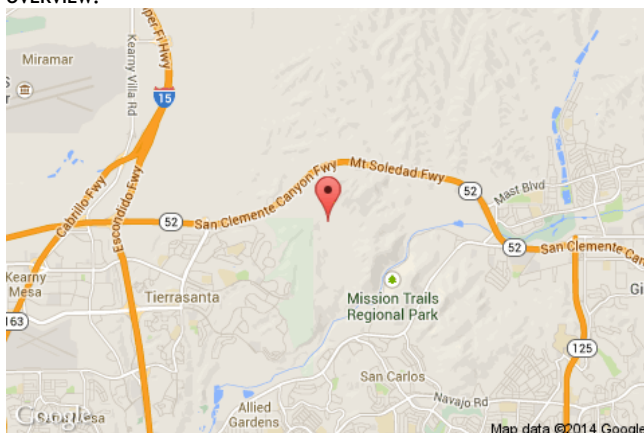
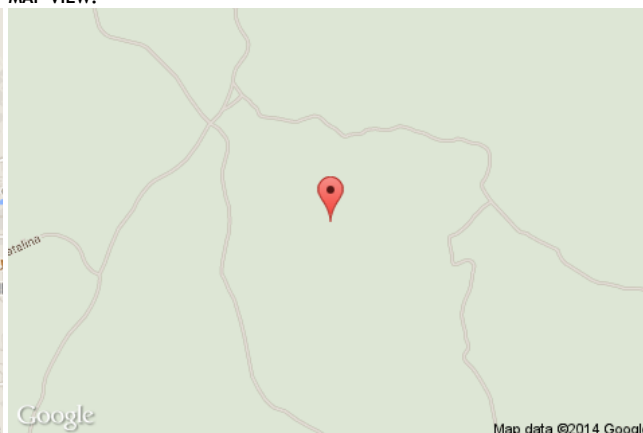
POTENTIAL MEDIA AFFECTED

NONE SPECIFIED

Site History

FROM THE CORPS PUBLIC GIS SYSTEM: Property Description - Camp Elliot originally consisted of approximately 30,500 acres acquired between 1941 and 1942. Approximately 28,000 acres were acquired in fee by Declarations of Taking, and 2,500 acres were withdrawn from Public Domain lands. The Mission Trails Regional Park was conveyed to the city of San Diego by quitclaim deed on 10 January 1964. This deed restricted the use of the 2,100 acre site to historic monument/public recreational purposes for 20 years. The East Elliot area was reported excess to the General Service Administration by the Navy in 1961 and disposed of by quitclaim deeds to private parties between 1973 and 1974. The parcels vary in size and the total area is approximately 3,200 acres. A landfill, operated by the county of San Diego, is located within the East Elliot area. The area north of Tierrasanta, Mission Trails, and East Elliot is still in use by DoD (primarily the Navy with some Marine Corps and Air Force activity) and encompasses approximately 15,500 acres. Activities include movement and simulated exercises by reserve units. Area D, approximately 1,800 acres, includes land parcels that are used by California Western University and University of California as campuses, and land parcels used for Naval housing projects. There were numerous highway easements granted through this area. Area G, approximately 2,900 acres, includes properties that were disposed of by quitclaim deeds to private parties between 1963 and 1964. Area H, approximately 400 acres, was originally land that was withheld from Public Domain, but later returned. This property is known or suspected to contain military munitions and explosives of concern (e.g., unexploded ordnance) and therefore may present an explosive hazard

Property History - The Navy obtained the site in 1941 for use as a training base for Marines until 1954. The property was transferred to the General Services Administration and then disposed of to private parties in the 1960s. Approximately 15,000 acres of land were declared excess and turned over to the General Service Administration for disposal in 1961. GSA disposed of various sections of the Former Camp Elliot on different dates through land swaps, grants, and sales. Because of the Former Camp Elliot's size, it was broken down into several general areas for study. These areas include Tierrasanta, Mission Trails, East, Elliot, and Areas G, D and H. DoD still uses a large portion of the Former Camp Elliot.

[SITES WITH NO OPERABLE UNIT](#)[TRANSFER PARCELS](#) - Auto-generated OU for transfer parcels**FOR AN INTERACTIVE MAP, CLICK ON AN IMAGE BELOW****OVERVIEW:****MAP VIEW:**



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