

**CONCEPTUAL SITE MODEL  
FORMER TRABUCO BOMBING RANGE  
RANCHO SANTA MARGARITA, CALIFORNIA**

| Site                                | Acreage  | Suspect Past DoD Activities  | Potential MEC Presence   | MEC Found Since Closure  | Previous Investigation/Clearance Actions/Development   | Post-DoD Land Use and Current Land Use   | Potential Receptors        | Potential Source and Receptor Interaction  | Proposed Field Sampling   |
|-------------------------------------|--|--|--|--|--|--|----------------------------|--|---|
| <b>FORMER TRABUCO BOMBING RANGE</b> | 1800<br><br>Reduced to 503 acres at the southern end in 1950 | Used by pilots for dropping practice bombs and firing practice rockets | Non-fragment practice ordnance consisting of bombs and rockets. The only ordnance encountered with live spotting charges were bomb types. Bomb types are 3-lb and 4.5-lb, Miniatures, Mk 5, Mk 23, Mk 43, and 25-lb Practice, Mk 76/BDU 33. Practice rockets are 2.25-in (SCAR), 3.5-in, and 5-in. | <p>1984: 14 dump truck loads of certified empty ordnance items transported from the site. Over 400 ordnance items suspected of containing spotting charges destroyed<sup>1</sup>.</p> <p>Following 1984 for several years: one to five ordnance items removed on a quarterly basis by El Toro Explosive Ordnance Disposal (EOD)<sup>1</sup>.</p> <p>1988: 61 tons of the ordnance were removed to a location in Chiquita Canyon, and several more tons of ordnance were buried under 20 feet of soil in what is now the 8th hole of Tijeras Creek Golf Club<sup>2</sup>.</p> <p>Bikeway construction incident: 5 of 11 bombs were eight-inches long. One bomb at each of the three groups had a spotting charge. These were detonated by the Orange County Sheriff's Bomb Squad (OCSBS).</p> <p>Time Critical Removal Action (TCRA): Mk 23 (7) and Mk 5 (1), 3-lb miniature practice bombs; Mk 76/BDU-33 (1), 25-lb practice bomb; 2.25-inch practice Sub-Caliber Aircraft Rocket (SCAR) (1); 5-inch practice rocket (1)</p> | Much of the former bombing range has been developed for the City of Rancho Santa Margarita and the CA 241 Toll Road. | After 1956 returned to previous use as grazing and farming. In more recent years the area has been developed for the City of Rancho Santa Margarita with land uses such as single family residential units, schools, and a golf course. Approximately 900 acres remains undeveloped (primarily portions of O'Neill Regional Park). | Unrestricted Public Access | Yes- Intrusive or non-intrusive activity, MEC at surface and subsurface. Access available. | 20 proposed Soil Sample Locations (see Proposed Remedial Investigation Soil Sample Locations (appropriate quality control and blow in place samples are not included in the sample count); total geophysical survey of approximately 9.9 acres. |

Source  
1 = ASR  
2 = TCRA  
3 = IT Corp. disposal report

DoD = Department of Defense  
EOD = Explosive Ordnance Disposal  
MEC = Munitions and Explosives of Concern  
OCSBS = Orange County Sheriff's Bomb Squad  
TCRA = Time Critical Response Action  
TBD = To Be Determined  
lb = pounds  
in = inches