









**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION**

ORDER NO. 94-030

**SITE CLEANUP REQUIREMENTS FOR:**

COUNTY OF SANTA CLARA  
FIELD SPORTS COUNTY PARK  
200 METCALF ROAD  
UNINCORPORATED SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board) finds that:

1. **Site Description** - The County of Santa Clara (hereinafter called the Discharger) operates Field Sports County Park, a public park devoted to skeet, trap, rifle and pistol shooting. The 90 acre park has four combination trap and skeet fields, four trap fields, one skeet only field and rifle and pistol ranges. The park is located south of San Jose in the Coyote section of unincorporated Santa Clara County (see Figure 1). A creek diagonally traverses, from north to south, in front of the combination skeet and trap fields. The creek normally flows into a Santa Clara Valley Water District canal called Evergreen Canal. Infrequently, a gate valve is opened to allow flow into Coyote Creek.
2. **Site History** - The skeet and trap ranges were built by Olin Defense Systems, Winchester Division, a part of the Olin Corporation and opened in March 1978. For a period in the 1980s, Olin/Winchester leased the operation of the ranges to another party. In 1988, the County of Santa Clara assumed management of the park and the ranges.
3. **Sources of Pollution** - The lead pellets from the shotguns are discharged in a northeasterly direction from the combination skeet and trap fields toward, into and over the creek. From the shooters' positions, the distance to the creek varies from about 50 to 400 feet away. The pellets can land a considerable distance, about 300 to 400 feet, from the shooting positions. Broken clay targets and plastic wads are also deposited into the creek. Some plastic wads and broken targets have flowed downstream of the ranges.

The lead pellets have been mined and removed from the skeet and trap fields at least once in the past. In 1990, about 96,000 pounds of lead were recovered.

4. **Environmental Concerns** - The two primary areas of concern are lead and clay target deposition. The potential effects of lead from shotgun clubs are well documented. In both fresh and marine water, lead becomes available to biota through the transformation process of oxidation. Clay targets contain asphaltenes, which in



