

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

RESOLUTION 76-7

AMENDMENT TO THE WATER QUALITY CONTROL PLAN SAN
FRANCISCO BAY BASIN, PROHIBITING WASTE DISCHARGES
TO LEACHING OR PERCOLATION SYSTEMS IN THE EMERALD
LAKE HILLS & OAK KNOLL MANOR AREAS OF SAN MATEO COUNTY

- I. WHEREAS the Emerald Lake Hills Area and the one block area of Oak Knoll Manor, of San Mateo County as defined on the attached map and Exhibit 'A', incorporated herein and made a part of this Resolution encompass portions of Cordilleras Creek, the Emerald, Jefferson and Stulsaft branches of Redwood Creek and Arroyo Ojo de Aqua all nontidal streams in the area of concern and;
- II. WHEREAS the Regional Board has adopted the Water Quality Control Plan, San Francisco Bay Basin which prohibits discharges of any wastewater, which has particular characteristics of concern to beneficial uses into any nontidal water or dead end slough or similar confined water areas or their immediate tributaries, except as part of an approved reclamation project, and prohibits the degradation of any groundwater by any controllable water quality factor, and
- III. WHEREAS the beneficial uses of the Emerald Lakes, Cordilleras Creek, branches of Redwood Creek and Arroyo Ojo de Aqua and their contiguous waters are:
 - Recreational use including wading and swimming
 - Fish and wildlife propagation and sustenance, and habitat and resting for waterfowl and migratory birds
 - Esthetic enjoyment
- IV. WHEREAS 82 percent of the existing developments in the Emerald Lake Hills and Oak Knoll Manor areas have septic tanks with leaching or percolation systems for sewage disposal, and
- V. WHEREAS studies by the San Mateo County Public Health and Welfare Department found that 28.9 per cent of all leaching or percolation systems in the Emerald Lake Hills and Oak Knoll Manor areas were either failing or malfunctioning, and that most of the discharges from these unsatisfactory systems were flowing directly into Cordilleras Creek and branches of Redwood Creek, and
- VI. WHEREAS the San Mateo County Public Health and Welfare Department investigations found that failing septic tank systems in the Emerald Lake Hills area are creating a serious threat to public health.

VII. WHEREAS a soil survey of San Mateo County prepared by Earth Sciences Associates, consultant geologist found that soils in the Emerald Lake Hills area are "close to their ultimate carrying capacity" for leaching systems because of low permeability, steep slopes and shallow impervious bedrock.

VIII. THEREFORE BE IT RESOLVED that this Regional Board finds that discharges to leaching and percolation systems in the Emerald Lake Hills and Oak Knoll Manor areas are incompatible with:

- a. The prohibition against any wastewater which has particular characteristics of concern to beneficial uses into any nontidal water or dead end slough or similar confined water areas or their immediate tributaries as contained in the Water Quality Control Plan, San Francisco Bay Basin
- b. The protection of beneficial uses of surface waters in the Emerald Lake Hills and Oak Knoll Manor areas including Cordilleras Creek, the Emerald, Jefferson and Stulsaft branches of Redwood Creek and Arroyo Ojo de Agua, and
- c. The protection of the public from nuisances, including a serious threat to public health, and

IX. BE IT FURTHER RESOLVED that the following be added to the Waste Discharge Prohibitions of the Water Quality Control Plan, San Francisco Bay Region:

The discharge of sewage-bearing wastewater to leaching or percolation systems in the Emerald Lake Hill and Oak Knoll Manor areas of San Mateo County is prohibited.

An exemption to this discharge prohibition may be granted by the Executive Officer providing the discharger is able to document County Health Department approval of the leaching or percolation system and document that the installation or continued use of leaching or percolation systems will not individually or collectively, directly or indirectly, either violate other discharge prohibitions, impair the beneficial uses specified in this Water Quality Control Plan for the affected waters, or result in threat to the public health. In the event of an adverse ruling by the Executive Officer, the matter may be appealed to the Board.

X. BE IT FURTHER RESOLVED that the above Water Quality Control Plan amendment shall be implemented in accordance with the following compliance time schedule.

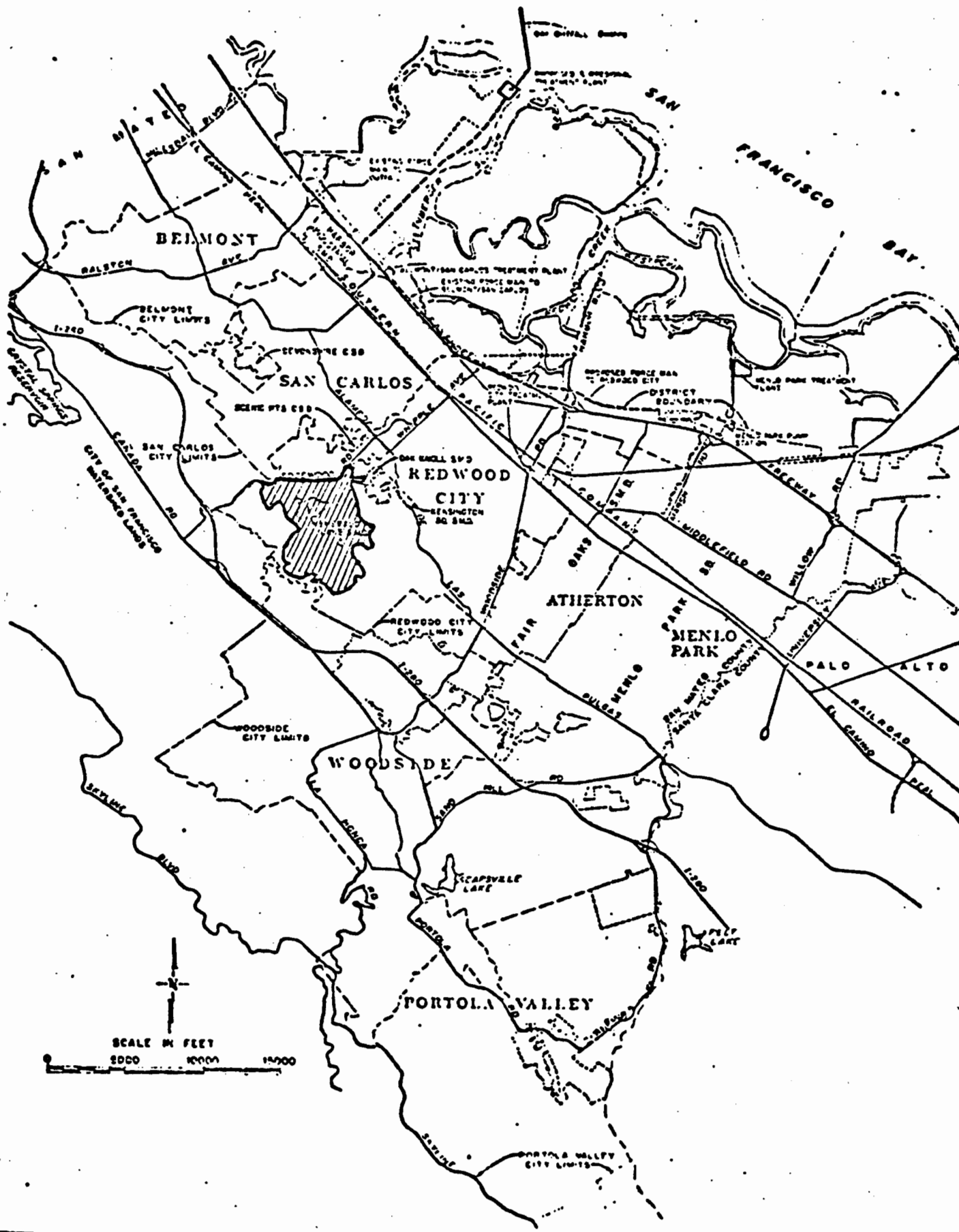
- a. All new systems not discharging to leaching or percolation systems or for which a building permit had not been issued prior to the date of approval of this amendment by the State Water Resources Control Board are prohibited from discharging as of that date.

- b. Any and all systems are prohibited from discharging after October 1, 1983 unless otherwise exempted in accordance with paragraph IX above.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of a Resolution adopted by the California Regional Water Quality Control Board, San Francisco Bay Region April 20, 1976.

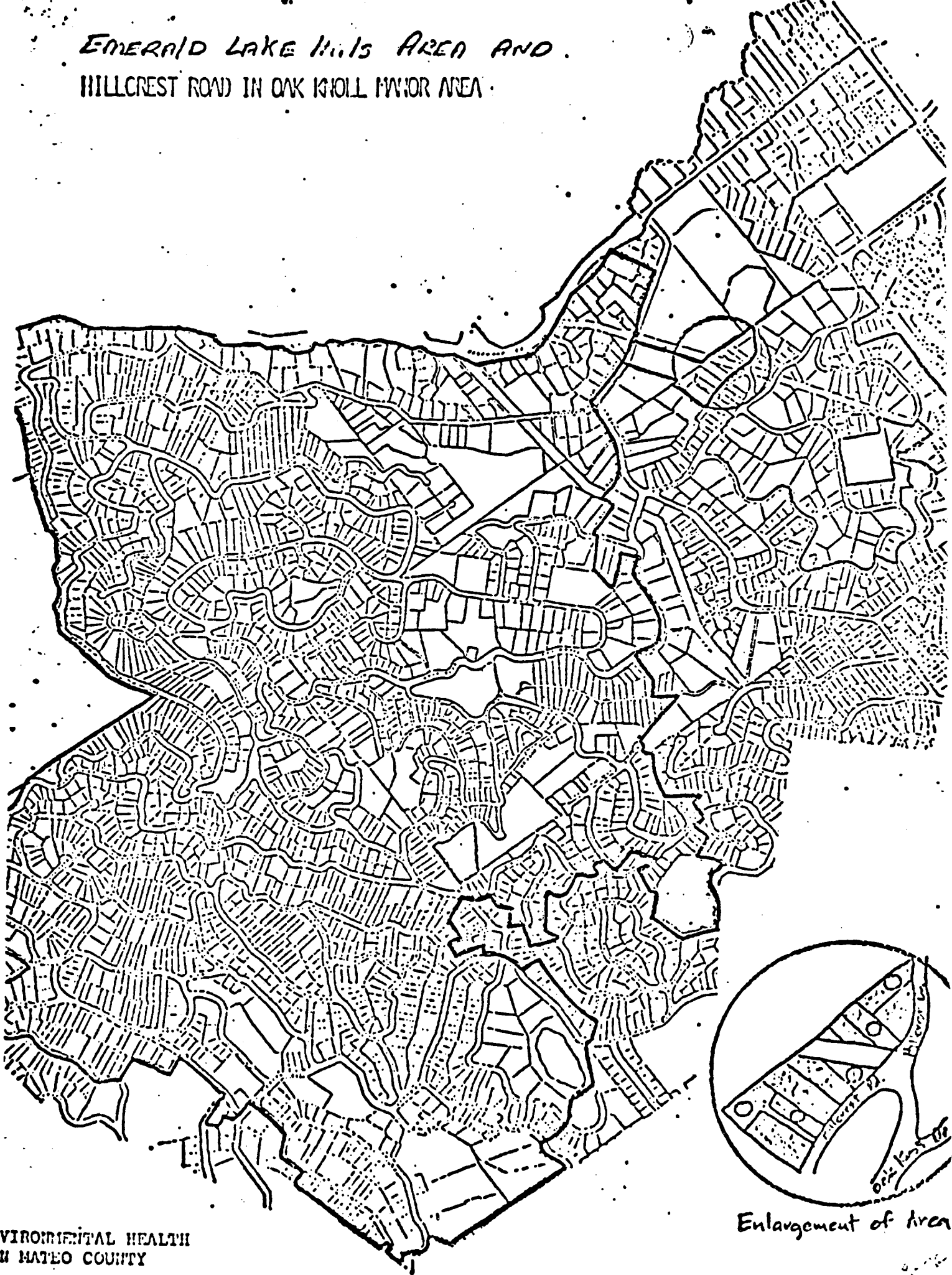
FRED H. DIERKER
Executive Officer

VICINITY MAP



SCALE IN FEET
0 500 1000 1500

EMERALD LAKE HILLS AREA AND
HILLCREST ROAD IN OAK KNOLL MAJOR AREA



VIROLOGICAL HEALTH
IN MATEO COUNTY

Enlargement of Area

EXHIBIT A

Beginning at a point in the centerline of Edgewood Road, where said centerline is intersected by the northerly prolongation of that course called "South 32° 21' 30" West 35.73 feet," in that certain annexation to the City of Redwood City by Resolution No. 1245; thence from said Point of Beginning southeasterly along the general northeasterly boundary of those annexations to the City of Redwood City by Ordinance No. 1245, Resolution No. 6425, and Ordinance No. 930 a distance of 15,000 feet, more or less, to the intersection thereof with the most westerly corner of Lot 35, Block 509, "Highlands of Emerald Lake Subdivision No. 5" (15 maps 15-18) and a point in Redwood City Annexation by Ordinance No. 861; thence northerly and northeasterly along the general northwesterly boundary of said annexation No. 861 a distance of 1,600 feet, more or less, to the intersection with the most southerly corner of Redwood City Annexation by Ordinance No. 973; thence in a general northerly direction along the Redwood City City Limits by Ordinances 973, 1323, 1096, 1436, 1392, 1049, 1247, 796, 1261, 1256, 1398, Resolution 4422, Ordinances 1142, 1166, 1343, 1271, and 1052 a distance of 14,900 feet, more or less to the northwesterly corner of Ordinance No. 1052; thence in a general easterly direction along the Redwood City Limits by Ordinance No. 1052 and continuing in a general easterly direction along the general northerly boundary of Redwood City Ordinance No. 805 a distance of 321 feet, more or less, to the centerline of Hillcrest Road; thence leaving said city limits in a general northerly direction along said centerline to the intersection thereof with the southeasterly line of Redwood City City Limits as established by Resolution No. 11319, thence in a general southwesterly direction along the Redwood City City Limits by said Resolution No. 11319, Ordinance No. 963 and Resolution No. 5125 to the intersection thereof with the southeasterly corner of Redwood City Annexation by Ordinance No. 987; thence along that course called "North 68° 35' 50" West" in that said annexation (Ord. 987) and its northwesterly prolongation 475 feet, more or less, to the intersection thereof with centerline of Edgewood Road; thence in a general westerly direction 6,000 feet, more or less, to the Point of Beginning.

Excepting therefrom those two reservoir sites annexed to Redwood City by Resolution No. 16382.