

Summary of Tree Inventory for Windsor Eastside Road Storage Project

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This Technical Memorandum (TM) summarizes the results of the tree inventory at the Ponds S and T sites, completed by Horticultural Associates. Data on age, species, condition, and location was collected for all trees that would be protected by the Town of Windsor ordinance. The detailed results of the 5,608 trees surveyed are included in the attached report (*Tree Inventory, Windsor Ponds S & T, Windsor, California*, Horticultural Associates, April 10, 2007).

Trees by Age

The number of trees surveyed by age is shown in Table 1. The number of trees, by age, potentially affected by each alternative is also shown. The distribution of the trees by age is shown in Figure 1.

TABLE 1
Age of Trees Surveyed and Within Footprint of Proposed Alternatives

Age (see note)	Total Surveyed	Alt. S1 Footprint	Alt. T1 Footprint	Alt. S2 Footprint	Alt. T2 Footprint	Alt. T3 Footprint
Under 50 years	3,145	877	685	1,009	787	869
51 to 100 years	1,937	425	469	541	550	609
101 to 150 years	407	54	112	81	146	157
151 to 250 years	115	10	26	21	42	47
251 years or more	4	0	0	0	3	3
TOTAL	5,608	1,366	1,292	1,652	1,528	1,685

Note: Age of trees estimated based on diameter at breast height (2 inches dbh = 10 years of age). For trees with multiple stems, the largest stem was used to determine age.

Trees by Condition

The number of trees surveyed by condition is shown in Table 2. The number of trees, by condition, potentially affected by each alternative is also shown. The distribution of the trees by condition is shown in Figure 2.

TABLE 2
Condition of Trees Surveyed and Within Footprint of Proposed Alternatives

Condition (see note)	Total Surveyed	Alt. S1 Footprint	Alt. T1 Footprint	Alt. S2 Footprint	Alt. T2 Footprint	Alt. T3 Footprint
Excellent (rating: 4)	2	1	0	1	1	1
Good (rating: 3)	5,280	1,229	1,252	1,495	1,474	1,629
Fair (rating: 2)	287	129	35	146	45	46
Poor (rating: 1)	39	7	5	10	8	9
TOTAL	5,608	1,366	1,292	1,652	1,528	1,685

Note: See the attached *Tree Inventory, Windsor Ponds S & T, Windsor, California*, Horticultural Associates, April 10, 2007, for additional information on condition. In this report, where a condition rating was given between two categories (e.g. "2/3"), the lower of the two conditions was used.

Trees by Species

The number of trees surveyed by species is shown in Table 3. The number of trees, by species, potentially affected by each alternative is also shown. The distribution of the trees by species is shown in Figure 3.

TABLE 3
Species of Trees Surveyed and Within Footprint of Proposed Alternatives

Species	Total Surveyed	Alt. S1 Footprint	Alt. T1 Footprint	Alt. S2 Footprint	Alt. T2 Footprint	Alt. T3 Footprint
Coast live oak (<i>Quercus agrifolia</i>)	4,583	1,168	1,228	1,369	1,384	1,525
Black oak (<i>Quercus kelloggii</i>)	358	14	27	23	87	96
Valley oak (<i>Quercus lobata</i>)	417	176	14	240	20	21
Blue oak (<i>Quercus douglasii</i>)	203	7	4	14	16	20
California Bay (<i>Umbellularia californica</i>)	38	0	18	5	20	22
California Buckeye (<i>Aesculus californica</i>)	9	1	1	1	1	1
TOTAL	5,608	1,366	1,292	1,652	1,528	1,685