

Appendix D

Preliminary Tree Report

49er's Stadium Project
Santa Clara, CA

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Preliminary Tree Report
49er's Stadium Project
San Jose, CA

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Introduction and Overview

David J. Powers & Assoc., while coordinating an Environmental Impact Statement, has contracted with Concentric Ecologies to develop a Tree Report for review by the City of San Jose, California. The site will be referred to as:

49er's Stadium Project

The approximate physical addresses being:

Great America Parkway & Tasman Drive, Santa Clara, CA

The report includes the following information:

- An evaluation of the health of the trees from a ground level, visual inspection.
- An evaluation of the impacts of the proposed development on the trees.
- Overhead maps showing tree locations.

The inspection was done at ground level and no biological tests were performed.

Methods

The inventory includes the diameter at two feet above grade, the height, overall health/vigor, and the potential hazards the trees may pose to structures and pedestrians. The inspection includes all tree measuring 6 inches in diameter and greater. The inspection was done visually and no biological tests were performed. The survey followed the following steps:

1. Tree Identification, as per species and variety, where able.
2. Measuring the diameter of each tree at 24 inches above grade.
3. Evaluating the overall health of each individual tree using a 1 through 5 rating system whereas:

1. = Poor Health
2. = Fair Health
3. = Average
4. = Good Health
5. = Excellent Health

4. Rated the suitability for preservation whereas:

Good = Trees with good or excellent health and good or excellent structure and have a reasonable chance to survive construction.

Moderate = Trees that have an average or fair health and average or fair structure and, with adequate care, may survive the construction.

Poor = Trees that, either because of poor health or poor structure, are not good candidates for survival. This category may include species that are unsuitable for landscapes.

Tree preservation considers several different factors.

- Overall tree health is the main consideration when ascertaining a tree's chance of surviving the ordeal of surviving in a construction zone.
- Species life span or longevity – if a tree is near the end of its useful life it may not be a good candidate for preservation.
- Structure – Often overlooked, improper structure can limit a tree's lifespan and therefore lower the tree's overall suitability for preservation.
- Individual tree responses – Some trees are more tolerant of disturbance; while others are not.

TYPES OF CONSTRUCTION DAMAGE

Tree decline and mortality, around newly constructed homes, is a result primarily from damage to the root system. During construction, roots are frequently cut when installing foundations, water and sewer lines or other utilities, driveways, curbs, sidewalks, etc.

Many roots are also lost when soil is removed during grading. Feeder roots occur primarily within the top six to eight inches of soil, and removing just a few inches of soil during grading can result in the elimination of much of these roots. Loss of feeder roots will reduce the water and nutrient absorption capability, which can eventually lead to decline. Cutting large roots increases the possibility of windthrow during severe storms and may lead to future hazardous decay. Compaction of the soil or placing fill over a tree root system during grading is equally as destructive as cutting and removing roots. All plant cells, including those in the roots, require oxygen to survive. Root cells obtain oxygen from pores within the soil. When the soil over the root system of a tree is compacted or fill is added during grading, the amount of soil air is greatly reduced. At the same time, gases toxic to plant roots tend to accumulate in the soil. These adverse factors result in root mortality and tree decline. Mechanical injuries to the stem and limbs also contribute to tree decline. Bark injuries inhibit transport of water and nutrients to the crown and allow entrance of decay and other disease organisms.

PREVENTING CONSTRUCTION DAMAGE

Root Damage - Reducing root damage is the key to preventing tree decline and death after building construction. Physical barriers such as fencing should be erected around trees to prevent encroachment by construction equipment. This will minimize soil compaction and also prevent fill and other debris from being placed over the root system. Barriers preferably should be placed at least midway between the bole of the tree and the drip line. If construction equipment must pass close to the tree, a bridge can be constructed over the root system. This is done by placing a steel plate over railroad ties, which are placed at intervals along the ground as supports.

Grade Changes - Grade changes around trees should be avoided whenever possible. If fill must be placed over the root system of a tree, construction of a tree well will help minimize the impact of the fill. If the grade must be cut, this should be done outside the tree's root system. Methods for cutting the grade near trees are described in the aforementioned technical report.

Pruning - Prior to the initiation of construction, interfering lower limbs on trees to be saved should be pruned to allow access for construction equipment. Large deadwood also should be removed at this time in order to eliminate a possible safety hazard to construction workers. Trees remaining on the building lot may be pruned to compensate for damage to the root system that inevitably occurs during construction, if they are excessively damaged. The objective is to reduce the size of the crown to a level that the root system can support. If removing live limbs choose sucker growth, competing and

conflicting limbs and low, interfering branches. Lightly cutting back side branches may be necessary to further "lighten" the crown if root disturbance was severe.

The crown should not be cut back harshly (topped).

Corrective pruning can be undertaken either before construction begins or immediately following completion.

Removing more than 15% of foliage may be detrimental.

Description of Trees

The survey was conducted in April 2008. 318 trees were evaluated and 16 Species of trees are present in the survey. The property consists of 3 flat and level parking lots.

The most frequently occurring trees on the property is the Ash (*Fraxinus x*) tree, with 72 specimens recorded. Many of the Ash trees seem to be succumbing to ailment called ash-yellows or Photophoria, the effected trees therefore received lower health and preservation ratings. Most of the smaller Ash trees are in Average Health, while most of the large ash trees are in Fair Health (below average) this is due to the species tendency toward creating co-dominant stems.

36 Redwood trees (*Sequoia sempervirens*) are present on the project site, 11 are in average health while 25 are in Fair Health. These Redwoods are not in the best shape due to several factors:

- Inadequate irrigation.
- Restricted root zones.
- Nutrient deficiencies.
- Soil compaction.
- Lack of an 'Organic' layer to the soil.

The Redwoods with tag numbers less than 36 are planted in an island between Great America Parkway and one of the Parking lots of Great America Themed Park. This Redwoods are not receiving adequate moisture combined with the heat radiated from the parking lot is making for a quite inhospitable environment.

The 36 Sycamore trees (*Plantanus x*) in the survey are better adapted to the harsh climate of the parking lot, 33 are in average health. These trees do show signs of Anthracnose, a fungal disease. For the most part the structure of these Sycamores' are acceptable and several have grow to a good size.

There are 27 Purple Leaf Plums (*Prunus atropurpurea*). These trees have a limited life span, the older neglected trees are in a state of decline, and therefore are poor candidates for preservation.

26 Elms trees (*Ulmus x*). These trees are spread trough out the parking lots and are pretty evenly split between Average Health (11) and Fair Health (11) with 4 Elms in Poor Health.

20 Pear trees (*Rosaceae x*) these smaller sized trees are receiving too much water, the act of over-watering can create an environment that is optimal for sorts of fungal growth, many of which can predispose the trees to an early demise.

19 Wild Plums (*Prunus x*) have volunteered near the electrical substation, These trees are of little value and add little to the look and feel of the site.

14 Pines (*Pinus*) are growing along Tasman and adjacent to the substation, They are infested with Red Turpentine Beetles, these beetles attack Pines that are stressed due to a lack of moisture.

14 Camphor (*Cinnamomum Camphoria*) are planted along Tasman Way and are smaller and seem to be in Average Health.

13 Crape Myrtle (*Lagerstroemia x*) Average Health along Tasman, small trees, nothing special here.

11 Pepper trees (*Schinus molle*) along Tasman are suffering from lack of moisture. they are in a severe state of decline.

11 Bottle Brush (*Callistemon x*)trees near near sub station are wild and resemble bushes at this point. They seem to be flourishing and do a good job of hiding the utilities

The rest of the trees along with their health, preservation ratings and comments are listed in the reports below.

Count by Species

Printed Date: 5/11/2008

Last modified: 4/14/2008

Report Description:

Arbutus	Arbutus	x	2
Ash	Fraxinus	x	72
Black Walnut	Juglans	x	1
Bottle Brush	Callistemon	x	11
Camphor	Cinnamomum	camphora	14
Clerodendrum	Clerodendrum	x	4
Crape Myrtle	Lagerstroemia	x	13
Date Palm	Pheonix	dactylifera	1
Elm	Ulmus	x	26
Fan Palm	Palmea	washingtonia	4
Fir	Abies	x	6
Pear	Rosaceae	x	20
Pepper	Schinus	molle	11
Pine	Pinus	x	14
Plum	Prunus	x	19
Privet	Ligustrum	x	1
Purple-Leaf Plum	Prunus	atropurpurea	27
Redwood	Sequoia	sempervirens	36
Sycamore	Platanus	platanaceae	36

	Good Suitability	Moderate Suitability	Poor Suitability	Total
Arbutus	0	0	2	2
Ash	0	39	33	72
Black Walnut	0	1	0	1
Bottle Brush	0	10	1	11
Camphor	0	14	0	14
Clerodendrum	0	0	4	4
Crape Myrtle	0	11	2	13
Date Palm	1	0	0	1
Elm	0	11	15	26
Fan Palm	0	0	4	4
Fir	0	6	0	6
Pear	0	18	2	20
Pepper	0	4	7	11
Pine	0	2	12	14
Plum	0	0	19	19
Privet	0	0	1	1
Purple-Leaf Plum	0	1	26	27
Redwood	0	11	25	36
Sycamore	2	31	3	36
Total	3	159	156	318

5/15/2008

	Average Health	Dead	Fair Health	Poor Health	Total
Arbutus	0	0	2	0	2
Ash	41	1	29	1	72
Black Walnut	1	0	0	0	1
Bottle Brush	10	0	1	0	11
Camphor	14	0	0	0	14
Clerodendrum	0	0	4	0	4
Crape Myrtle	11	0	2	0	13
Date Palm	1	0	0	0	1
Elm	11	0	11	4	26
Fan Palm	0	0	4	0	4
Fir	6	0	0	0	6
Pear	18	0	2	0	20
Pepper	4	0	7	0	11
Pine	9	1	4	0	14
Plum	0	1	14	4	19
Privet	0	0	1	0	1
Purple-Leaf Plum	1	1	19	6	27
Redwood	11	0	25	0	36
Sycamore	33	0	3	0	36
Total	171	4	128	15	318

5/15/2008

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Report Description:

Complete Inventory

<u>Tag</u>	<u>Diameter</u>	<u>Common Name</u>	<u>Health Description</u>	<u>Preservation Description</u>	<u>Comment</u>	<u>Picture</u>
1	35	Redwood	Fair Health	Poor Suitability		5215
2	4	Plum	Fair Health	Poor Suitability		
3	13	Plum	Fair Health	Poor Suitability	leaning	
4	5	Plum	Fair Health	Poor Suitability	aphids	
5	7	Redwood	Fair Health	Poor Suitability		
6	7	Redwood	Fair Health	Poor Suitability		
7	7	Redwood	Fair Health	Poor Suitability		
8	7	Redwood	Fair Health	Poor Suitability		
9	4	Plum	Poor Health	Poor Suitability		
10	15	Redwood	Fair Health	Poor Suitability		5216
11	25	Redwood	Fair Health	Poor Suitability		5216
12	28	Redwood	Fair Health	Poor Suitability		5216
13	4	Plum	Poor Health	Poor Suitability		
14	4	Plum	Poor Health	Poor Suitability		
15	5	Redwood	Fair Health	Poor Suitability		
16	9	Redwood	Fair Health	Poor Suitability		
17	6	Plum	Poor Health	Poor Suitability		
18	27	Redwood	Fair Health	Poor Suitability		5217
19	4	Plum	Fair Health	Poor Suitability		
20	4	Plum	Dead	Poor Suitability		
21	9	Redwood	Fair Health	Poor Suitability		
22	6	Redwood	Fair Health	Poor Suitability		
23	16	Redwood	Fair Health	Poor Suitability		5218
24	20	Redwood	Fair Health	Poor Suitability		5218
25	26	Redwood	Fair Health	Poor Suitability		5218
26	5	Redwood	Fair Health	Poor Suitability		
27	6	Redwood	Fair Health	Poor Suitability		
28	3	Redwood	Fair Health	Poor Suitability		
29	12	Elm	Average Health	Moderate Suitability		
30	15	Elm	Average Health	Moderate Suitability		
31	13	Elm	Average Health	Moderate Suitability		
32	9	Redwood	Fair Health	Poor Suitability		
33	9	Redwood	Fair Health	Poor Suitability		
34	2	Redwood	Fair Health	Poor Suitability		
35	2	Redwood	Fair Health	Poor Suitability		
36	7	Purple-Leaf Plum	Fair Health	Poor Suitability	Co-dominant stems	
37	10	Purple-Leaf Plum	Fair Health	Poor Suitability	Co-dominant stems	
38	14	Sycamore	Average Health	Moderate Suitability		
39	8	Sycamore	Average Health	Moderate Suitability		
40	8	Sycamore	Average Health	Moderate Suitability		
41	8	Sycamore	Average Health	Moderate Suitability		
42	11	Elm	Average Health	Moderate Suitability		
43	9	Elm	Average Health	Moderate Suitability		
44	12	Sycamore	Average Health	Moderate Suitability		
45	10	Sycamore	Average Health	Moderate Suitability		
46	14	Sycamore	Average Health	Moderate Suitability	aphids	5219
47	48	Elm	Fair Health	Poor Suitability	Hazard	5219
48	10	Sycamore	Average Health	Moderate Suitability		
49	14	Sycamore	Average Health	Moderate Suitability		5220
50	21	Sycamore	Average Health	Moderate Suitability		5221
51	14	Elm	Fair Health	Poor Suitability		
52	9	Elm	Fair Health	Poor Suitability		
53	11	Elm	Fair Health	Poor Suitability		
54	11	Elm	Fair Health	Poor Suitability		
55	10	Elm	Fair Health	Poor Suitability		
56	11	Elm	Fair Health	Poor Suitability		
57	10	Pear	Average Health	Moderate Suitability		
58	10	Pear	Average Health	Moderate Suitability		
59	7	Pear	Average Health	Moderate Suitability		
60	18	Ash	Average Health	Moderate Suitability		5222

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Report Description:

Complete Inventory

<u>Tag</u>	<u>Diameter</u>	<u>Common Name</u>	<u>Health Description</u>	<u>Preservation Description</u>	<u>Comment</u>	<u>Picture</u>
61	11	Ash	Fair Health	Poor Suitability		
62	14	Ash	Fair Health	Poor Suitability		
63	7	Ash	Average Health	Moderate Suitability		
64	14	Ash	Average Health	Poor Suitability	Co-dominant stems	
65	7	Ash	Average Health	Poor Suitability	leaning	
66	11	Ash	Fair Health	Poor Suitability		
67	9	Ash	Average Health	Moderate Suitability		
68	15	Ash	Average Health	Moderate Suitability		
69	5	Ash	Dead	Poor Suitability		
70	6	Ash	Fair Health	Poor Suitability		
71	8	Ash	Average Health	Moderate Suitability		
72	10	Ash	Average Health	Moderate Suitability		
73	11	Ash	Average Health	Moderate Suitability		
74	8	Ash	Average Health	Moderate Suitability		
75	13	Ash	Average Health	Moderate Suitability		
76	9	Pear	Fair Health	Poor Suitability		
77	7	Pear	Fair Health	Poor Suitability		
78	10	Pear	Average Health	Moderate Suitability		
79	9	Pear	Average Health	Moderate Suitability		
80	8	Pear	Average Health	Moderate Suitability		
81	7	Pear	Average Health	Moderate Suitability		
82	8	Pear	Average Health	Moderate Suitability		
83	9	Pear	Average Health	Moderate Suitability		
84	11	Pear	Average Health	Moderate Suitability		
85	9	Pear	Average Health	Moderate Suitability		
86	7	Pear	Average Health	Moderate Suitability		
87	10	Pear	Average Health	Moderate Suitability		
88	15	Pear	Average Health	Moderate Suitability		5223
89	9	Pear	Average Health	Moderate Suitability		5223
90	9	Purple-Leaf Plum	Average Health	Moderate Suitability		
91	10	Sycamore	Fair Health	Poor Suitability		
92	14	Sycamore	Average Health	Moderate Suitability		
93	10	Sycamore	Fair Health	Poor Suitability		
94	13	Sycamore	Average Health	Moderate Suitability		
95	14	Sycamore	Average Health	Moderate Suitability		
96	14	Sycamore	Average Health	Moderate Suitability		
97	12	Sycamore	Average Health	Moderate Suitability		
98	15	Sycamore	Average Health	Moderate Suitability		
99	11	Sycamore	Average Health	Moderate Suitability		
100	14	Ash	Average Health	Moderate Suitability		
101	9	Ash	Fair Health	Poor Suitability		
102	14	Ash	Fair Health	Poor Suitability		
103	1	Crape Myrtle	Fair Health	Poor Suitability		
104	1	Crape Myrtle	Fair Health	Poor Suitability		
105	15	Ash	Average Health	Moderate Suitability		
106	6	Ash	Fair Health	Poor Suitability		
107	11	Ash	Average Health	Moderate Suitability		
108	5	Ash	Average Health	Moderate Suitability		
109	18	Ash	Average Health	Moderate Suitability		5224
110	5	Ash	Fair Health	Poor Suitability		
111	12	Ash	Poor Health	Poor Suitability	Hazard	
112	10	Ash	Fair Health	Poor Suitability		
113	9	Ash	Fair Health	Poor Suitability	I	
113	9	Ash	Fair Health	Poor Suitability	leaning	
114	11	Ash	Fair Health	Poor Suitability	I	
115	9	Pear	Average Health	Moderate Suitability		
116	8	Pear	Average Health	Moderate Suitability		
117	6	Pear	Average Health	Moderate Suitability		
118	8	Elm	Average Health	Moderate Suitability		
119	11	Purple-Leaf Plum	Fair Health	Poor Suitability		

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Report Description:

Complete Inventory

<u>Tag</u>	<u>Diameter</u>	<u>Common Name</u>	<u>Health Description</u>	<u>Preservation Description</u>	<u>Comment</u>	<u>Picture</u>
120	7	Purple-Leaf Plum	Fair Health	Poor Suitability		
121	7	Purple-Leaf Plum	Fair Health	Poor Suitability		
122	19	Fan Palm	Fair Health	Poor Suitability	5226	
123	13	Ash	Average Health	Moderate Suitability		
124	11	Ash	Average Health	Moderate Suitability		
125	11	Ash	Average Health	Moderate Suitability		
126	12	Ash	Average Health	Moderate Suitability		
127	12	Ash	Fair Health	Poor Suitability		
128	9	Ash	Fair Health	Poor Suitability		
129	12	Ash	Fair Health	Poor Suitability		
130	10	Ash	Average Health	Moderate Suitability		
131	14	Ash	Average Health	Moderate Suitability		
132	6	Ash	Average Health	Moderate Suitability		
133	5	Ash	Average Health	Moderate Suitability		
134	9	Sycamore	Average Health	Moderate Suitability		
135	9	Sycamore	Average Health	Moderate Suitability		
136	9	Sycamore	Average Health	Moderate Suitability		
137	5	Sycamore	Average Health	Moderate Suitability		
138	11	Sycamore	Average Health	Moderate Suitability		
139	11	Sycamore	Average Health	Moderate Suitability		
140	11	Sycamore	Average Health	Moderate Suitability		
141	11	Sycamore	Average Health	Moderate Suitability		
142	12	Sycamore	Average Health	Moderate Suitability		
143	13	Sycamore	Average Health	Moderate Suitability		
144	6	Sycamore	Average Health	Moderate Suitability		
145	9	Ash	Average Health	Moderate Suitability		
146	8	Ash	Average Health	Moderate Suitability		
147	5	Clerodendrum	Fair Health	Poor Suitability		
148	5	Clerodendrum	Fair Health	Poor Suitability		
149	5	Clerodendrum	Fair Health	Poor Suitability		
150	40	Date Palm	Average Health	Good Suitability		5227
151	5	Clerodendrum	Fair Health	Poor Suitability		
152	16	Sycamore	Average Health	Good Suitability		5228
153	12	Sycamore	Fair Health	Poor Suitability	leaning	
154	21	Sycamore	Average Health	Good Suitability		5229
155	11	Pine	Fair Health	Poor Suitability	Beetles	
156	9	Pine	Fair Health	Poor Suitability	Beetles	
157	8	Purple-Leaf Plum	Poor Health	Poor Suitability		
158	6	Purple-Leaf Plum	Poor Health	Poor Suitability		
159	8	Purple-Leaf Plum	Poor Health	Poor Suitability		
160	8	Purple-Leaf Plum	Poor Health	Poor Suitability		
161	2	Arbutus	Fair Health	Poor Suitability		
162	2	Arbutus	Fair Health	Poor Suitability		
163	14	Bottle Brush	Average Health	Moderate Suitability		
164	19	Black Walnut	Average Health	Moderate Suitability		5231
165	10	Bottle Brush	Average Health	Moderate Suitability		
166	10	Bottle Brush	Average Health	Moderate Suitability		
167	6	Purple-Leaf Plum	Poor Health	Poor Suitability		
168	10	Bottle Brush	Average Health	Moderate Suitability		
169	6	Purple-Leaf Plum	Poor Health	Poor Suitability		
170	10	Bottle Brush	Average Health	Moderate Suitability		
171	10	Privet	Fair Health	Poor Suitability		
172	8	Plum	Fair Health	Poor Suitability		
173	10	Purple-Leaf Plum	Dead	Poor Suitability		
174	6	Plum	Fair Health	Poor Suitability		
175	10	Bottle Brush	Average Health	Moderate Suitability		
176	15	Pine	Fair Health	Poor Suitability	Beetles	
177	6	Bottle Brush	Fair Health	Poor Suitability		
178	3	Plum	Fair Health	Poor Suitability		
179	3	Plum	Fair Health	Poor Suitability		

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Report Description:

Complete Inventory

<u>Tag</u>	<u>Diameter</u>	<u>Common Name</u>	<u>Health Description</u>	<u>Preservation Description</u>	<u>Comment</u>	<u>Picture</u>
180	3	Plum	Fair Health	Poor Suitability		
181	3	Plum	Fair Health	Poor Suitability		
182	3	Plum	Fair Health	Poor Suitability		
183	3	Plum	Fair Health	Poor Suitability		
184	3	Plum	Fair Health	Poor Suitability		
185	3	Plum	Fair Health	Poor Suitability		
186	17	Pine	Average Health	Poor Suitability	Beetles	5232
187	21	Pine	Average Health	Poor Suitability	Beetles	5233
188	21	Pine	Average Health	Poor Suitability	Beetles	5234
189	13	Bottle Brush	Average Health	Moderate Suitability		
190	21	Pine	Average Health	Poor Suitability	Beetles	5235
191	7	Ash	Average Health	Moderate Suitability		
192	10	Fan Palm	Fair Health	Poor Suitability	Small	
193	10	Fan Palm	Fair Health	Poor Suitability	Small	
194	9	Purple-Leaf Plum	Fair Health	Poor Suitability		
195	5	Purple-Leaf Plum	Fair Health	Poor Suitability		
196	6	Purple-Leaf Plum	Fair Health	Poor Suitability		
197	7	Purple-Leaf Plum	Fair Health	Poor Suitability		
198	7	Purple-Leaf Plum	Fair Health	Poor Suitability		
199	7	Purple-Leaf Plum	Fair Health	Poor Suitability		
200	7	Purple-Leaf Plum	Fair Health	Poor Suitability		
201	9	Purple-Leaf Plum	Fair Health	Poor Suitability		
202	11	Bottle Brush	Average Health	Moderate Suitability		
203	20	Pine	Average Health	Poor Suitability	Beetles	5237
204	19	Pine	Average Health	Poor Suitability	Beetles	5237
205	8	Pine	Average Health	Poor Suitability	Beetles	
206	13	Pine	Dead	Poor Suitability	Beetles	
207	11	Pine	Fair Health	Poor Suitability	Beetles	
208	15	Pine	Average Health	Moderate Suitability		
209	18	Pine	Average Health	Moderate Suitability		5238
210	8	Purple-Leaf Plum	Fair Health	Poor Suitability		
211	7	Purple-Leaf Plum	Fair Health	Poor Suitability		
212	4	Bottle Brush	Average Health	Moderate Suitability		
213	9	Purple-Leaf Plum	Fair Health	Poor Suitability		
214	6	Purple-Leaf Plum	Fair Health	Poor Suitability		
215	6	Purple-Leaf Plum	Fair Health	Poor Suitability		
216	10	Purple-Leaf Plum	Fair Health	Poor Suitability		
217	15	Fan Palm	Fair Health	Poor Suitability	Small	
218	10	Bottle Brush	Average Health	Moderate Suitability		
219	24	Redwood	Fair Health	Poor Suitability		5237
220	14	Redwood	Fair Health	Poor Suitability		
221	10	Sycamore	Average Health	Moderate Suitability		
222	12	Sycamore	Average Health	Moderate Suitability		
223	12	Sycamore	Average Health	Moderate Suitability		
224	8	Fir	Average Health	Moderate Suitability		
225	8	Fir	Average Health	Moderate Suitability		
226	8	Fir	Average Health	Moderate Suitability		
227	17	Pepper	Average Health	Moderate Suitability		5241
228	15	Pepper	Average Health	Moderate Suitability		5242
229	14	Pepper	Average Health	Moderate Suitability		
230	6	Elm	Fair Health	Poor Suitability		
231	6	Elm	Poor Health	Poor Suitability		
232	3	Elm	Poor Health	Poor Suitability		
233	5	Elm	Poor Health	Poor Suitability		
234	5	Elm	Poor Health	Poor Suitability		
235	8	Pepper	Average Health	Moderate Suitability	drought stress	
236	8	Pepper	Fair Health	Poor Suitability	drought stress	
237	8	Pepper	Fair Health	Poor Suitability	drought stress	
238	8	Pepper	Fair Health	Poor Suitability	drought stress	
239	8	Pepper	Fair Health	Poor Suitability	drought stress	

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Report Description:

Complete Inventory

<u>Tag</u>	<u>Diameter</u>	<u>Common Name</u>	<u>Health Description</u>	<u>Preservation Description</u>	<u>Comment</u>	<u>Picture</u>
240	8	Pepper	Fair Health	Poor Suitability	drought stress	
241	7	Pepper	Fair Health	Poor Suitability	drought stress	
242	8	Pepper	Fair Health	Poor Suitability	drought stress	
243	6	Elm	Fair Health	Poor Suitability		
244	6	Elm	Fair Health	Poor Suitability		
245	8	Elm	Fair Health	Poor Suitability		
246	4	Crape Myrtle	Average Health	Moderate Suitability		
247	4	Crape Myrtle	Average Health	Moderate Suitability		
248	4	Crape Myrtle	Average Health	Moderate Suitability		
249	4	Crape Myrtle	Average Health	Moderate Suitability		
250	4	Crape Myrtle	Average Health	Moderate Suitability		
251	4	Crape Myrtle	Average Health	Moderate Suitability		
252	4	Crape Myrtle	Average Health	Moderate Suitability		
253	4	Crape Myrtle	Average Health	Moderate Suitability		
254	4	Crape Myrtle	Average Health	Moderate Suitability		
255	4	Crape Myrtle	Average Health	Moderate Suitability		
256	4	Crape Myrtle	Average Health	Moderate Suitability		
257	3	Ash	Fair Health	Poor Suitability		
258	8	Redwood	Average Health	Moderate Suitability		
259	8	Redwood	Average Health	Moderate Suitability		
260	8	Redwood	Average Health	Moderate Suitability		
261	7	Ash	Average Health	Moderate Suitability		
262	4	Ash	Average Health	Moderate Suitability		
263	5	Ash	Average Health	Moderate Suitability		
264	9	Ash	Average Health	Moderate Suitability		
265	3	Ash	Fair Health	Poor Suitability		
266	3	Ash	Fair Health	Poor Suitability		
267	3	Ash	Fair Health	Poor Suitability		
268	3	Ash	Fair Health	Poor Suitability		
269	7	Ash	Average Health	Moderate Suitability		
270	5	Ash	Average Health	Moderate Suitability		
271	4	Ash	Average Health	Moderate Suitability		
272	5	Ash	Average Health	Moderate Suitability		
273	10	Redwood	Average Health	Moderate Suitability		
274	10	Redwood	Average Health	Moderate Suitability		
275	3	Ash	Fair Health	Poor Suitability		
276	3	Ash	Fair Health	Poor Suitability		
277	6	Redwood	Average Health	Moderate Suitability		
278	8	Redwood	Average Health	Moderate Suitability		
279	6	Camphor	Average Health	Moderate Suitability		
280	5	Camphor	Average Health	Moderate Suitability		
281	5	Camphor	Average Health	Moderate Suitability		
282	5	Camphor	Average Health	Moderate Suitability		
283	5	Camphor	Average Health	Moderate Suitability		
284	6	Camphor	Average Health	Moderate Suitability		
285	6	Camphor	Average Health	Moderate Suitability		
286	3	Ash	Fair Health	Poor Suitability		
287	3	Ash	Fair Health	Poor Suitability		
288	3	Ash	Fair Health	Poor Suitability		
289	5	Camphor	Average Health	Moderate Suitability		
290	5	Camphor	Average Health	Moderate Suitability		
291	6	Camphor	Average Health	Moderate Suitability		
292	6	Camphor	Average Health	Moderate Suitability		
293	6	Camphor	Average Health	Moderate Suitability		
294	5	Camphor	Average Health	Moderate Suitability		
295	5	Camphor	Average Health	Moderate Suitability		
296	11	Redwood	Average Health	Moderate Suitability		
297	3	Ash	Fair Health	Poor Suitability		
298	3	Ash	Fair Health	Poor Suitability		
299	4	Ash	Fair Health	Poor Suitability		

49ers Stadium Project

Report Description: Complete Inventory

<u>Tag</u>	<u>Diameter</u>	<u>Common Name</u>	<u>Health Description</u>	<u>Preservation Description</u>	<u>Comment</u>	<u>Picture</u>
300	3	Ash	Fair Health	Poor Suitability		
301	9	Ash	Average Health	Moderate Suitability		
302	7	Ash	Average Health	Moderate Suitability		
303	8	Ash	Average Health	Moderate Suitability		
304	6	Ash	Average Health	Moderate Suitability		
305	7	Ash	Average Health	Moderate Suitability		
306	8	Fir	Average Health	Moderate Suitability		
307	8	Fir	Average Health	Moderate Suitability		
308	8	Fir	Average Health	Moderate Suitability		
309	10	Redwood	Average Health	Moderate Suitability		
310	7	Ash	Average Health	Moderate Suitability		
311	10	Redwood	Average Health	Moderate Suitability		
312	11	Redwood	Average Health	Moderate Suitability		
313	11	Elm	Average Health	Moderate Suitability		
314	11	Elm	Average Health	Moderate Suitability		
315	11	Elm	Average Health	Moderate Suitability		
316	11	Elm	Average Health	Moderate Suitability		
317	11	Elm	Average Health	Moderate Suitability		

Total Number Of Trees:

318

Average Diameter:

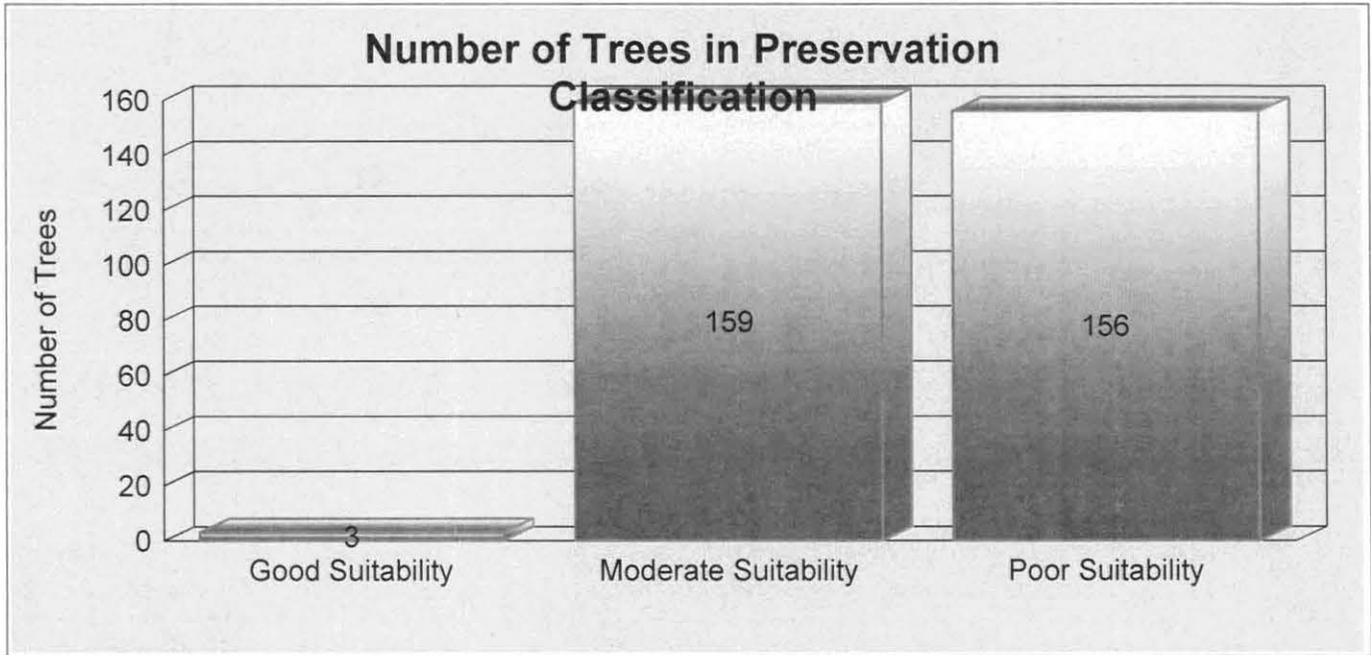
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49ers Stadium Project

Printed Date: 5/14/2008

Last modified: 4/14/2008

Report Description:



Good Suitability

150	40	Date Palm	Average Health	5227
152	16	Sycamore	Average Health	5228
154	21	Sycamore	Average Health	5229

Total for Good Suitability: 3

Tag	Diameter	Common Name	Health Description	Comment	Picture
Moderate Suitability					
29	12	Elm	Average Health		
30	15	Elm	Average Health		
31	13	Elm	Average Health		
38	14	Sycamore	Average Health		
39	8	Sycamore	Average Health		
40	8	Sycamore	Average Health		
41	8	Sycamore	Average Health		
42	11	Elm	Average Health		
43	9	Elm	Average Health		
44	12	Sycamore	Average Health		
45	10	Sycamore	Average Health		
46	14	Sycamore	Average Health	aphids	5219
48	10	Sycamore	Average Health		
49	14	Sycamore	Average Health		5220
50	21	Sycamore	Average Health		5221
57	10	Pear	Average Health		
58	10	Pear	Average Health		
59	7	Pear	Average Health		
60	18	Ash	Average Health		5222
63	7	Ash	Average Health		
67	9	Ash	Average Health		
68	15	Ash	Average Health		
71	8	Ash	Average Health		
72	10	Ash	Average Health		
73	11	Ash	Average Health		
74	8	Ash	Average Health		
75	13	Ash	Average Health		
78	10	Pear	Average Health		
79	9	Pear	Average Health		
80	8	Pear	Average Health		
81	7	Pear	Average Health		
82	8	Pear	Average Health		
83	9	Pear	Average Health		
84	11	Pear	Average Health		
85	9	Pear	Average Health		
86	7	Pear	Average Health		
87	10	Pear	Average Health		
88	15	Pear	Average Health		5223

Tag	Diameter	Common Name	Health Description	Comment	Picture
89	9	Pear	Average Health		5223
90	9	Purple-Leaf Plum	Average Health		
92	14	Sycamore	Average Health		
94	13	Sycamore	Average Health		
95	14	Sycamore	Average Health		
96	14	Sycamore	Average Health		
97	12	Sycamore	Average Health		
98	15	Sycamore	Average Health		
99	11	Sycamore	Average Health		
100	14	Ash	Average Health		
105	15	Ash	Average Health		
107	11	Ash	Average Health		
108	5	Ash	Average Health		
109	18	Ash	Average Health		5224
115	9	Pear	Average Health		
116	8	Pear	Average Health		
117	6	Pear	Average Health		
118	8	Elm	Average Health		
123	13	Ash	Average Health		
124	11	Ash	Average Health		
125	11	Ash	Average Health		
126	12	Ash	Average Health		
130	10	Ash	Average Health		
131	14	Ash	Average Health		
132	6	Ash	Average Health		
133	5	Ash	Average Health		
134	9	Sycamore	Average Health		
135	9	Sycamore	Average Health		
136	9	Sycamore	Average Health		
137	5	Sycamore	Average Health		
138	11	Sycamore	Average Health		
139	11	Sycamore	Average Health		
140	11	Sycamore	Average Health		
141	11	Sycamore	Average Health		
142	12	Sycamore	Average Health		
143	13	Sycamore	Average Health		
144	6	Sycamore	Average Health		
145	9	Ash	Average Health		
146	8	Ash	Average Health		
163	14	Bottle Brush	Average Health		

Tag	Diameter	Common Name	Health Description	Comment	Picture
164	19	Black Walnut	Average Health		5231
165	10	Bottle Brush	Average Health		
166	10	Bottle Brush	Average Health		
168	10	Bottle Brush	Average Health		
170	10	Bottle Brush	Average Health		
175	10	Bottle Brush	Average Health		
189	13	Bottle Brush	Average Health		
191	7	Ash	Average Health		
202	11	Bottle Brush	Average Health		
208	15	Pine	Average Health		
209	18	Pine	Average Health		5238
212	4	Bottle Brush	Average Health		
218	10	Bottle Brush	Average Health		
221	10	Sycamore	Average Health		
222	12	Sycamore	Average Health		
223	12	Sycamore	Average Health		
224	8	Fir	Average Health		
225	8	Fir	Average Health		
226	8	Fir	Average Health		
227	17	Pepper	Average Health		5241
228	15	Pepper	Average Health		5242
229	14	Pepper	Average Health		
235	8	Pepper	Average Health	drought stress	
246	4	Crape Myrtle	Average Health		
247	4	Crape Myrtle	Average Health		
248	4	Crape Myrtle	Average Health		
249	4	Crape Myrtle	Average Health		
250	4	Crape Myrtle	Average Health		
251	4	Crape Myrtle	Average Health		
252	4	Crape Myrtle	Average Health		
253	4	Crape Myrtle	Average Health		
254	4	Crape Myrtle	Average Health		
255	4	Crape Myrtle	Average Health		
256	4	Crape Myrtle	Average Health		
258	8	Redwood	Average Health		
259	8	Redwood	Average Health		
260	8	Redwood	Average Health		
261	7	Ash	Average Health		
262	4	Ash	Average Health		
263	5	Ash	Average Health		

Tag	Diameter	Common Name	Health Description	Comment	Picture
264	9	Ash	Average Health		
269	7	Ash	Average Health		
270	5	Ash	Average Health		
271	4	Ash	Average Health		
272	5	Ash	Average Health		
273	10	Redwood	Average Health		
274	10	Redwood	Average Health		
277	6	Redwood	Average Health		
278	8	Redwood	Average Health		
279	6	Camphor	Average Health		
280	5	Camphor	Average Health		
281	5	Camphor	Average Health		
282	5	Camphor	Average Health		
283	5	Camphor	Average Health		
284	6	Camphor	Average Health		
285	6	Camphor	Average Health		
289	5	Camphor	Average Health		
290	5	Camphor	Average Health		
291	6	Camphor	Average Health		
292	6	Camphor	Average Health		
293	6	Camphor	Average Health		
294	5	Camphor	Average Health		
295	5	Camphor	Average Health		
296	11	Redwood	Average Health		
301	9	Ash	Average Health		
302	7	Ash	Average Health		
303	8	Ash	Average Health		
304	6	Ash	Average Health		
305	7	Ash	Average Health		
306	8	Fir	Average Health		
307	8	Fir	Average Health		
308	8	Fir	Average Health		
309	10	Redwood	Average Health		
310	7	Ash	Average Health		
311	10	Redwood	Average Health		
312	11	Redwood	Average Health		
313	11	Elm	Average Health		
314	11	Elm	Average Health		
315	11	Elm	Average Health		
316	11	Elm	Average Health		

Tag	Diameter	Common Name	Health Description	Comment	Picture
317	11	Elm	Average Health		

Total for Moderate Suitability: 159

Tag	Diameter	Common Name	Health Description	Comment	Picture
Poor Suitability					
1	35	Redwood	Fair Health		5215
2	4	Plum	Fair Health		
3	13	Plum	Fair Health	leaning	
4	5	Plum	Fair Health	aphids	
5	7	Redwood	Fair Health		
6	7	Redwood	Fair Health		
7	7	Redwood	Fair Health		
8	7	Redwood	Fair Health		
9	4	Plum	Poor Health		
10	15	Redwood	Fair Health		5216
11	25	Redwood	Fair Health		5216
12	28	Redwood	Fair Health		5216
13	4	Plum	Poor Health		
14	4	Plum	Poor Health		
15	5	Redwood	Fair Health		
16	9	Redwood	Fair Health		
17	6	Plum	Poor Health		
18	27	Redwood	Fair Health		5217
19	4	Plum	Fair Health		
20	4	Plum	Dead		
21	9	Redwood	Fair Health		
22	6	Redwood	Fair Health		
23	16	Redwood	Fair Health		5218
24	20	Redwood	Fair Health		5218
25	26	Redwood	Fair Health		5218
26	5	Redwood	Fair Health		
27	6	Redwood	Fair Health		
28	3	Redwood	Fair Health		
32	9	Redwood	Fair Health		
33	9	Redwood	Fair Health		
34	2	Redwood	Fair Health		
35	2	Redwood	Fair Health		
36	7	Purple-Leaf Plum	Fair Health	Co-dominant stems	
37	10	Purple-Leaf Plum	Fair Health	Co-dominant stems	
47	48	Elm	Fair Health	Hazard	5219
51	14	Elm	Fair Health		
52	9	Elm	Fair Health		
53	11	Elm	Fair Health		

Tag	Diameter	Common Name	Health Description	Comment	Picture
54	11	Elm	Fair Health		
55	10	Elm	Fair Health		
56	11	Elm	Fair Health		
61	11	Ash	Fair Health		
62	14	Ash	Fair Health		
64	14	Ash	Average Health	Co-dominant stems	
65	7	Ash	Average Health	leaning	
66	11	Ash	Fair Health		
69	5	Ash	Dead		
70	6	Ash	Fair Health		
76	9	Pear	Fair Health		
77	7	Pear	Fair Health		
91	10	Sycamore	Fair Health		
93	10	Sycamore	Fair Health		
101	9	Ash	Fair Health		
102	14	Ash	Fair Health		
103	1	Crape Myrtle	Fair Health		
104	1	Crape Myrtle	Fair Health		
106	6	Ash	Fair Health		
110	5	Ash	Fair Health		
111	12	Ash	Poor Health	Hazard	
112	10	Ash	Fair Health		
113	9	Ash	Fair Health	I	
113	9	Ash	Fair Health	leaning	
114	11	Ash	Fair Health	I	
119	11	Purple-Leaf Plum	Fair Health		
120	7	Purple-Leaf Plum	Fair Health		
121	7	Purple-Leaf Plum	Fair Health		
122	19	Fan Palm	Fair Health	5226	
127	12	Ash	Fair Health		
128	9	Ash	Fair Health		
129	12	Ash	Fair Health		
147	5	Clerodendrum	Fair Health		
148	5	Clerodendrum	Fair Health		
149	5	Clerodendrum	Fair Health		
151	5	Clerodendrum	Fair Health		
153	12	Sycamore	Fair Health	leaning	
155	11	Pine	Fair Health	Beetles	
156	9	Pine	Fair Health	Beetles	
157	8	Purple-Leaf Plum	Poor Health		

Tag	Diameter	Common Name	Health Description	Comment	Picture
158	6	Purple-Leaf Plum	Poor Health		
159	8	Purple-Leaf Plum	Poor Health		
160	8	Purple-Leaf Plum	Poor Health		
161	2	Arbutus	Fair Health		
162	2	Arbutus	Fair Health		
167	6	Purple-Leaf Plum	Poor Health		
169	6	Purple-Leaf Plum	Poor Health		
171	10	Privet	Fair Health		
172	8	Plum	Fair Health		
173	10	Purple-Leaf Plum	Dead		
174	6	Plum	Fair Health		
176	15	Pine	Fair Health	Beetles	
177	6	Bottle Brush	Fair Health		
178	3	Plum	Fair Health		
179	3	Plum	Fair Health		
180	3	Plum	Fair Health		
181	3	Plum	Fair Health		
182	3	Plum	Fair Health		
183	3	Plum	Fair Health		
184	3	Plum	Fair Health		
185	3	Plum	Fair Health		
186	17	Pine	Average Health	Beetles	5232
187	21	Pine	Average Health	Beetles	5233
188	21	Pine	Average Health	Beetles	5234
190	21	Pine	Average Health	Beetles	5235
192	10	Fan Palm	Fair Health	Small	
193	10	Fan Palm	Fair Health	Small	
194	9	Purple-Leaf Plum	Fair Health		
195	5	Purple-Leaf Plum	Fair Health		
196	6	Purple-Leaf Plum	Fair Health		
197	7	Purple-Leaf Plum	Fair Health		
198	7	Purple-Leaf Plum	Fair Health		
199	7	Purple-Leaf Plum	Fair Health		
200	7	Purple-Leaf Plum	Fair Health		
201	9	Purple-Leaf Plum	Fair Health		
203	20	Pine	Average Health	Beetles	5237
204	19	Pine	Average Health	Beetles	5237
205	8	Pine	Average Health	Beetles	
206	13	Pine	Dead	Beetles	
207	11	Pine	Fair Health	Beetles	

Tag	Diameter	Common Name	Health Description	Comment	Picture
210	8	Purple-Leaf Plum	Fair Health		
211	7	Purple-Leaf Plum	Fair Health		
213	9	Purple-Leaf Plum	Fair Health		
214	6	Purple-Leaf Plum	Fair Health		
215	6	Purple-Leaf Plum	Fair Health		
216	10	Purple-Leaf Plum	Fair Health		
217	15	Fan Palm	Fair Health	Small	
219	24	Redwood	Fair Health		5237
220	14	Redwood	Fair Health		
230	6	Elm	Fair Health		
231	6	Elm	Poor Health		
232	3	Elm	Poor Health		
233	5	Elm	Poor Health		
234	5	Elm	Poor Health		
236	8	Pepper	Fair Health	drought stress	
237	8	Pepper	Fair Health	drought stress	
238	8	Pepper	Fair Health	drought stress	
239	8	Pepper	Fair Health	drought stress	
240	8	Pepper	Fair Health	drought stress	
241	7	Pepper	Fair Health	drought stress	
242	8	Pepper	Fair Health	drought stress	
243	6	Elm	Fair Health		
244	6	Elm	Fair Health		
245	8	Elm	Fair Health		
257	3	Ash	Fair Health		
265	3	Ash	Fair Health		
266	3	Ash	Fair Health		
267	3	Ash	Fair Health		
268	3	Ash	Fair Health		
275	3	Ash	Fair Health		
276	3	Ash	Fair Health		
286	3	Ash	Fair Health		
287	3	Ash	Fair Health		
288	3	Ash	Fair Health		
297	3	Ash	Fair Health		
298	3	Ash	Fair Health		
299	4	Ash	Fair Health		
300	3	Ash	Fair Health		

Total for Poor Suitability: 156

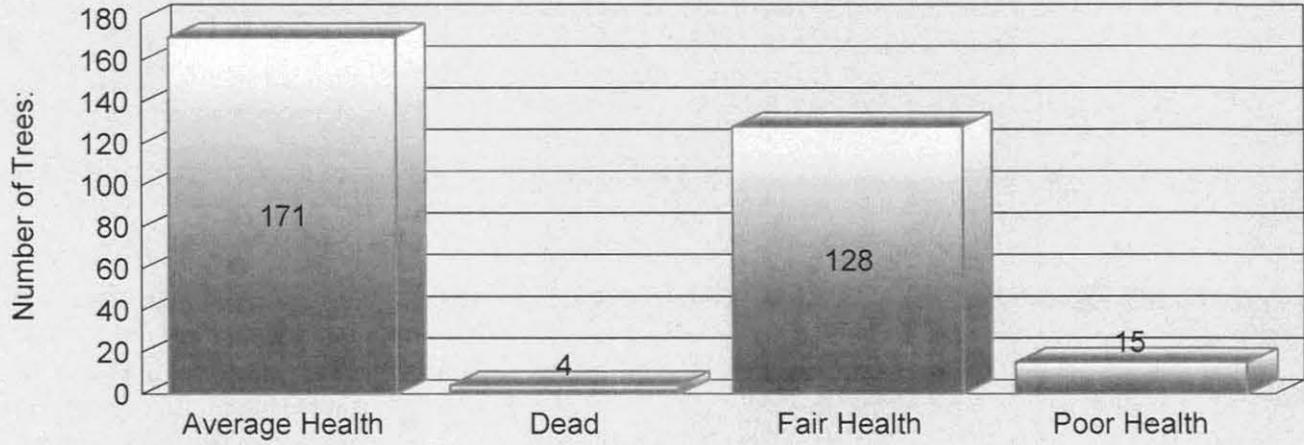
49ers Stadium Project

Printed Date: 5/11/2008

Last modified: 4/8/2008

Report Description: Tree Health and Frequency of Occurrence

Number of Trees in Health Condition



Tag	Diameter	Common Name	genus	varitey	comment
Average Health					
Tag	Diameter	Common Name	genus	varitey	comment
29	12	Elm	Ulmus	x	
30	15	Elm	Ulmus	x	
31	13	Elm	Ulmus	x	
38	14	Sycamore	Platanus	platanaceae	
39	8	Sycamore	Platanus	platanaceae	
40	8	Sycamore	Platanus	platanaceae	
41	8	Sycamore	Platanus	platanaceae	
42	11	Elm	Ulmus	x	
43	9	Elm	Ulmus	x	
44	12	Sycamore	Platanus	platanaceae	
45	10	Sycamore	Platanus	platanaceae	
46	14	Sycamore	Platanus	platanaceae	aphids
48	10	Sycamore	Platanus	platanaceae	
49	14	Sycamore	Platanus	platanaceae	
50	21	Sycamore	Platanus	platanaceae	
57	10	Pear	Rosaceae	x	
58	10	Pear	Rosaceae	x	
59	7	Pear	Rosaceae	x	
60	18	Ash	Fraxinus	x	
63	7	Ash	Fraxinus	x	
64	14	Ash	Fraxinus	x	Co-dominant stems
65	7	Ash	Fraxinus	x	leaning
67	9	Ash	Fraxinus	x	
68	15	Ash	Fraxinus	x	
71	8	Ash	Fraxinus	x	
72	10	Ash	Fraxinus	x	
73	11	Ash	Fraxinus	x	
74	8	Ash	Fraxinus	x	
75	13	Ash	Fraxinus	x	
78	10	Pear	Rosaceae	x	
79	9	Pear	Rosaceae	x	
80	8	Pear	Rosaceae	x	
81	7	Pear	Rosaceae	x	
82	8	Pear	Rosaceae	x	
83	9	Pear	Rosaceae	x	
84	11	Pear	Rosaceae	x	
85	9	Pear	Rosaceae	x	
86	7	Pear	Rosaceae	x	

Tag	Diameter	Common Name	genus	varitey	comment
87	10	Pear	Rosaceae	x	
88	15	Pear	Rosaceae	x	
89	9	Pear	Rosaceae	x	
90	9	Purple-Leaf Plum	Prunus	atropurpurea	
92	14	Sycamore	Platanus	platanaceae	
94	13	Sycamore	Platanus	platanaceae	
95	14	Sycamore	Platanus	platanaceae	
96	14	Sycamore	Platanus	platanaceae	
97	12	Sycamore	Platanus	platanaceae	
98	15	Sycamore	Platanus	platanaceae	
99	11	Sycamore	Platanus	platanaceae	
100	14	Ash	Fraxinus	x	
105	15	Ash	Fraxinus	x	
107	11	Ash	Fraxinus	x	
108	5	Ash	Fraxinus	x	
109	18	Ash	Fraxinus	x	
115	9	Pear	Rosaceae	x	
116	8	Pear	Rosaceae	x	
117	6	Pear	Rosaceae	x	
118	8	Elm	Ulmus	x	
123	13	Ash	Fraxinus	x	
124	11	Ash	Fraxinus	x	
125	11	Ash	Fraxinus	x	
126	12	Ash	Fraxinus	x	
130	10	Ash	Fraxinus	x	
131	14	Ash	Fraxinus	x	
132	6	Ash	Fraxinus	x	
133	5	Ash	Fraxinus	x	
134	9	Sycamore	Platanus	platanaceae	
135	9	Sycamore	Platanus	platanaceae	
136	9	Sycamore	Platanus	platanaceae	
137	5	Sycamore	Platanus	platanaceae	
138	11	Sycamore	Platanus	platanaceae	
139	11	Sycamore	Platanus	platanaceae	
140	11	Sycamore	Platanus	platanaceae	
141	11	Sycamore	Platanus	platanaceae	
142	12	Sycamore	Platanus	platanaceae	
143	13	Sycamore	Platanus	platanaceae	
144	6	Sycamore	Platanus	platanaceae	
145	9	Ash	Fraxinus	x	

Tag	Diameter	Common Name	genus	varitey	comment
146	8	Ash	Fraxinus	x	
150	40	Date Palm	Pheonix	dactylifera	
152	16	Sycamore	Platanus	platanaceae	
154	21	Sycamore	Platanus	platanaceae	
163	14	Bottle Brush	Callistemon	x	
164	19	Black Walnut	Juglans	x	
165	10	Bottle Brush	Callistemon	x	
166	10	Bottle Brush	Callistemon	x	
168	10	Bottle Brush	Callistemon	x	
170	10	Bottle Brush	Callistemon	x	
175	10	Bottle Brush	Callistemon	x	
186	17	Pine	Pinus	x	Beetles
187	21	Pine	Pinus	x	Beetles
188	21	Pine	Pinus	x	Beetles
189	13	Bottle Brush	Callistemon	x	
190	21	Pine	Pinus	x	Beetles
191	7	Ash	Fraxinus	x	
202	11	Bottle Brush	Callistemon	x	
203	20	Pine	Pinus	x	Beetles
204	19	Pine	Pinus	x	Beetles
205	8	Pine	Pinus	x	Beetles
208	15	Pine	Pinus	x	
209	18	Pine	Pinus	x	
212	4	Bottle Brush	Callistemon	x	
218	10	Bottle Brush	Callistemon	x	
221	10	Sycamore	Platanus	platanaceae	
222	12	Sycamore	Platanus	platanaceae	
223	12	Sycamore	Platanus	platanaceae	
224	8	Fir	Abies	x	
225	8	Fir	Abies	x	
226	8	Fir	Abies	x	
227	17	Pepper	Schinus	molle	
228	15	Pepper	Schinus	molle	
229	14	Pepper	Schinus	molle	
235	8	Pepper	Schinus	molle	drought stress
246	4	Crape Myrtle	Lagerstroemia	x	
247	4	Crape Myrtle	Lagerstroemia	x	
248	4	Crape Myrtle	Lagerstroemia	x	
249	4	Crape Myrtle	l agerstroemia	x	
250	4	Crape Myrtle	Lagerstroemia	x	

Tag	Diameter	Common Name	genus	varitey	comment
251	4	Crape Myrtle	Lagerstroemia	x	
252	4	Crape Myrtle	Lagerstroemia	x	
253	4	Crape Myrtle	Lagerstroemia	x	
254	4	Crape Myrtle	Lagerstroemia	x	
255	4	Crape Myrtle	Lagerstroemia	x	
256	4	Crape Myrtle	Lagerstroemia	x	
258	8	Redwood	Sequoia	sempervirens	
259	8	Redwood	Sequoia	sempervirens	
260	8	Redwood	Sequoia	sempervirens	
261	7	Ash	Fraxinus	x	
262	4	Ash	Fraxinus	x	
263	5	Ash	Fraxinus	x	
264	9	Ash	Fraxinus	x	
269	7	Ash	Fraxinus	x	
270	5	Ash	Fraxinus	x	
271	4	Ash	Fraxinus	x	
272	5	Ash	Fraxinus	x	
273	10	Redwood	Sequoia	sempervirens	
274	10	Redwood	Sequoia	sempervirens	
277	6	Redwood	Sequoia	sempervirens	
278	8	Redwood	Sequoia	sempervirens	
279	6	Camphor	Cinnamomum	camphora	
280	5	Camphor	Cinnamomum	camphora	
281	5	Camphor	Cinnamomum	camphora	
282	5	Camphor	Cinnamomum	camphora	
283	5	Camphor	Cinnamomum	camphora	
284	6	Camphor	Cinnamomum	camphora	
285	6	Camphor	Cinnamomum	camphora	
289	5	Camphor	Cinnamomum	camphora	
290	5	Camphor	Cinnamomum	camphora	
291	6	Camphor	Cinnamomum	camphora	
292	6	Camphor	Cinnamomum	camphora	
293	6	Camphor	Cinnamomum	camphora	
294	5	Camphor	Cinnamomum	camphora	
295	5	Camphor	Cinnamomum	camphora	
296	11	Redwood	Sequoia	sempervirens	
301	9	Ash	Fraxinus	x	
302	7	Ash	Fraxinus	x	
303	8	Ash	Fraxinus	x	
304	6	Ash	Fraxinus	x	

Tag	Diameter	Common Name	genus	varitey	comment
305	7	Ash	Fraxinus	x	
306	8	Fir	Abies	x	
307	8	Fir	Abies	x	
308	8	Fir	Abies	x	
309	10	Redwood	Sequoia	sempervirens	
310	7	Ash	Fraxinus	x	
311	10	Redwood	Sequoia	sempervirens	
312	11	Redwood	Sequoia	sempervirens	
313	11	Elm	Ulmus	x	
314	11	Elm	Ulmus	x	
315	11	Elm	Ulmus	x	
316	11	Elm	Ulmus	x	
317	11	Elm	Ulmus	x	

Total for Average Health: 171

Dead

Tag	Diameter	Common Name	genus	varitey	comment
20	4	Plum	Prunus	x	
69	5	Ash	Fraxinus	x	
173	10	Purple-Leaf Plum	Prunus	atropurpurea	
206	13	Pine	Pinus	x	Beetles

Total for Dead: 4

Tag	Diameter	Common Name	genus	varitey	comment
Fair Health					
Tag	Diameter	Common Name	genus	varitey	comment
1	35	Redwood	Sequoia	sempervirens	
2	4	Plum	Prunus	x	
3	13	Plum	Prunus	x	leaning
4	5	Plum	Prunus	x	aphids
5	7	Redwood	Sequoia	sempervirens	
6	7	Redwood	Sequoia	sempervirens	
7	7	Redwood	Sequoia	sempervirens	
8	7	Redwood	Sequoia	sempervirens	
10	15	Redwood	Sequoia	sempervirens	
11	25	Redwood	Sequoia	sempervirens	
12	28	Redwood	Sequoia	sempervirens	
15	5	Redwood	Sequoia	sempervirens	
16	9	Redwood	Sequoia	sempervirens	
18	27	Redwood	Sequoia	sempervirens	
19	4	Plum	Prunus	x	
21	9	Redwood	Sequoia	sempervirens	
22	6	Redwood	Sequoia	sempervirens	
23	16	Redwood	Sequoia	sempervirens	
24	20	Redwood	Sequoia	sempervirens	
25	26	Redwood	Sequoia	sempervirens	
26	5	Redwood	Sequoia	sempervirens	
27	6	Redwood	Sequoia	sempervirens	
28	3	Redwood	Sequoia	sempervirens	
32	9	Redwood	Sequoia	sempervirens	
33	9	Redwood	Sequoia	sempervirens	
34	2	Redwood	Sequoia	sempervirens	
35	2	Redwood	Sequoia	sempervirens	
36	7	Purple-Leaf Plum	Prunus	atropurpurea	Co-dominant stems
37	10	Purple-Leaf Plum	Prunus	atropurpurea	Co-dominant stems
47	48	Elm	Ulmus	x	Hazard
51	14	Elm	Ulmus	x	
52	9	Elm	Ulmus	x	
53	11	Elm	Ulmus	x	
54	11	Elm	Ulmus	x	
55	10	Elm	Ulmus	x	
56	11	Elm	Ulmus	x	
61	11	Ash	Fraxinus	x	
62	14	Ash	Fraxinus	x	

Tag	Diameter	Common Name	genus	varitey	comment
66	11	Ash	Fraxinus	x	
70	6	Ash	Fraxinus	x	
76	9	Pear	Rosaceae	x	
77	7	Pear	Rosaceae	x	
91	10	Sycamore	Platanus	platanaceae	
93	10	Sycamore	Platanus	platanaceae	
101	9	Ash	Fraxinus	x	
102	14	Ash	Fraxinus	x	
103	1	Crape Myrtle	Lagerstroemia	x	
104	1	Crape Myrtle	Lagerstroemia	x	
106	6	Ash	Fraxinus	x	
110	5	Ash	Fraxinus	x	
112	10	Ash	Fraxinus	x	
113	9	Ash	Fraxinus	x	
113	9	Ash	Fraxinus	x	leaning
114	11	Ash	Fraxinus	x	
119	11	Purple-Leaf Plum	Prunus	atropurpurea	
120	7	Purple-Leaf Plum	Prunus	atropurpurea	
121	7	Purple-Leaf Plum	Prunus	atropurpurea	
122	19	Fan Palm	Palmea	washingtonia	5226
127	12	Ash	Fraxinus	x	
128	9	Ash	Fraxinus	x	
129	12	Ash	Fraxinus	x	
147	5	Clerodendrum	Clerodendrum	x	
148	5	Clerodendrum	Clerodendrum	x	
149	5	Clerodendrum	Clerodendrum	x	
151	5	Clerodendrum	Clerodendrum	x	
153	12	Sycamore	Platanus	platanaceae	leaning
155	11	Pine	Pinus	x	Beetles
156	9	Pine	Pinus	x	Beetles
161	2	Arbutus	Arbutus	x	
162	2	Arbutus	Arbutus	x	
171	10	Privet	Ligustrum	x	
172	8	Plum	Prunus	x	
174	6	Plum	Prunus	x	
176	15	Pine	Pinus	x	Beetles
177	6	Bottle Brush	Callistemon	x	
178	3	Plum	Prunus	x	
179	3	Plum	Prunus	x	
180	3	Plum	Prunus	x	

Tag	Diameter	Common Name	genus	varitey	comment
181	3	Plum	Prunus	x	
182	3	Plum	Prunus	x	
183	3	Plum	Prunus	x	
184	3	Plum	Prunus	x	
185	3	Plum	Prunus	x	
192	10	Fan Palm	Palmea	washingtonia	Small
193	10	Fan Palm	Palmea	washingtonia	Small
194	9	Purple-Leaf Plum	Prunus	atropurpurea	
195	5	Purple-Leaf Plum	Prunus	atropurpurea	
196	6	Purple-Leaf Plum	Prunus	atropurpurea	
197	7	Purple-Leaf Plum	Prunus	atropurpurea	
198	7	Purple-Leaf Plum	Prunus	atropurpurea	
199	7	Purple-Leaf Plum	Prunus	atropurpurea	
200	7	Purple-Leaf Plum	Prunus	atropurpurea	
201	9	Purple-Leaf Plum	Prunus	atropurpurea	
207	11	Pine	Pinus	x	Beetles
210	8	Purple-Leaf Plum	Prunus	atropurpurea	
211	7	Purple-Leaf Plum	Prunus	atropurpurea	
213	9	Purple-Leaf Plum	Prunus	atropurpurea	
214	6	Purple-Leaf Plum	Prunus	atropurpurea	
215	6	Purple-Leaf Plum	Prunus	atropurpurea	
216	10	Purple-Leaf Plum	Prunus	atropurpurea	
217	15	Fan Palm	Palmea	washingtonia	Small
219	24	Redwood	Sequoia	sempervirens	
220	14	Redwood	Sequoia	sempervirens	
230	6	Elm	Ulmus	x	
236	8	Pepper	Schinus	molle	drought stress
237	8	Pepper	Schinus	molle	drought stress
238	8	Pepper	Schinus	molle	drought stress
239	8	Pepper	Schinus	molle	drought stress
240	8	Pepper	Schinus	molle	drought stress
241	7	Pepper	Schinus	molle	drought stress
242	8	Pepper	Schinus	molle	drought stress
243	6	Elm	Ulmus	x	
244	6	Elm	Ulmus	x	
245	8	Elm	Ulmus	x	
257	3	Ash	Fraxinus	x	
265	3	Ash	Fraxinus	x	
266	3	Ash	Fraxinus	x	
267	3	Ash	Fraxinus	x	

Tag	Diameter	Common Name	genus	varitey	comment
268	3	Ash	Fraxinus	x	
275	3	Ash	Fraxinus	x	
276	3	Ash	Fraxinus	x	
286	3	Ash	Fraxinus	x	
287	3	Ash	Fraxinus	x	
288	3	Ash	Fraxinus	x	
297	3	Ash	Fraxinus	x	
298	3	Ash	Fraxinus	x	
299	4	Ash	Fraxinus	x	
300	3	Ash	Fraxinus	x	

Total for Fair Health: 128

Poor Health

Tag	Diameter	Common Name	genus	varitey	comment
9	4	Plum	Prunus	x	
13	4	Plum	Prunus	x	
14	4	Plum	Prunus	x	
17	6	Plum	Prunus	x	
111	12	Ash	Fraxinus	x	Hazard
157	8	Purple-Leaf Plum	Prunus	atropurpurea	
158	6	Purple-Leaf Plum	Prunus	atropurpurea	
159	8	Purple-Leaf Plum	Prunus	atropurpurea	
160	8	Purple-Leaf Plum	Prunus	atropurpurea	
167	6	Purple-Leaf Plum	Prunus	atropurpurea	
169	6	Purple-Leaf Plum	Prunus	atropurpurea	
231	6	Elm	Ulmus	x	
232	3	Elm	Ulmus	x	
233	5	Elm	Ulmus	x	
234	5	Elm	Ulmus	x	

Total for Poor Health: 15

49ers Stadium Project Health by Species Report:

Printed Date: 5/11/2008

Last modified: 4/14/2008

Report Description:

Arbutus

Common name	diameter	tag	health desc	genus	varitey
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Fair Health : Arbutus

Arbutus	2	161	Fair Health	Arbutus	x
Arbutus	2	162	Fair Health	Arbutus	x

Total for Fair Health: 2

Total for Arbutus: 2

Ash

Common name	diameter	tag	health desc	genus	varitey
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Average Health : Ash

Ash	14	64	Average Health	Fraxinus	x
Ash	7	65	Average Health	Fraxinus	x
Ash	18	60	Average Health	Fraxinus	x
Ash	7	63	Average Health	Fraxinus	x
Ash	9	67	Average Health	Fraxinus	x
Ash	15	68	Average Health	Fraxinus	x
Ash	8	71	Average Health	Fraxinus	x
Ash	10	72	Average Health	Fraxinus	x
Ash	11	73	Average Health	Fraxinus	x
Ash	8	74	Average Health	Fraxinus	x
Ash	13	75	Average Health	Fraxinus	x
Ash	14	100	Average Health	Fraxinus	x
Ash	15	105	Average Health	Fraxinus	x
Ash	11	107	Average Health	Fraxinus	x
Ash	5	108	Average Health	Fraxinus	x
Ash	18	109	Average Health	Fraxinus	x
Ash	13	123	Average Health	Fraxinus	x
Ash	11	124	Average Health	Fraxinus	x
Ash	11	125	Average Health	Fraxinus	x
Ash	12	126	Average Health	Fraxinus	x

Ash	10	130	Average Health	Fraxinus	x
Ash	14	131	Average Health	Fraxinus	x
Ash	6	132	Average Health	Fraxinus	x
Ash	5	133	Average Health	Fraxinus	x
Ash	9	145	Average Health	Fraxinus	x
Ash	8	146	Average Health	Fraxinus	x
Ash	7	191	Average Health	Fraxinus	x
Ash	7	261	Average Health	Fraxinus	x
Ash	4	262	Average Health	Fraxinus	x
Ash	5	263	Average Health	Fraxinus	x
Ash	9	264	Average Health	Fraxinus	x
Ash	7	269	Average Health	Fraxinus	x
Ash	5	270	Average Health	Fraxinus	x
Ash	4	271	Average Health	Fraxinus	x
Ash	5	272	Average Health	Fraxinus	x
Ash	9	301	Average Health	Fraxinus	x
Ash	7	302	Average Health	Fraxinus	x
Ash	8	303	Average Health	Fraxinus	x
Ash	6	304	Average Health	Fraxinus	x
Ash	7	305	Average Health	Fraxinus	x
Ash	7	310	Average Health	Fraxinus	x

Total for Average Health: 41

Dead : Ash

Ash	5	69	Dead	Fraxinus	x
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Total for Dead: 1

Fair Health : Ash

Ash	11	61	Fair Health	Fraxinus	x
Ash	14	62	Fair Health	Fraxinus	x
Ash	11	66	Fair Health	Fraxinus	x
Ash	6	70	Fair Health	Fraxinus	x
Ash	9	101	Fair Health	Fraxinus	x
Ash	14	102	Fair Health	Fraxinus	x
Ash	6	106	Fair Health	Fraxinus	x
Ash	5	110	Fair Health	Fraxinus	x
Ash	10	112	Fair Health	Fraxinus	x
Ash	9	113	Fair Health	Fraxinus	x
Ash	9	113	Fair Health	Fraxinus	x
Ash	11	114	Fair Health	Fraxinus	x
Ash	12	127	Fair Health	Fraxinus	x
Ash	9	128	Fair Health	Fraxinus	x
Ash	12	129	Fair Health	Fraxinus	x

Ash	3	257	Fair Health	Fraxinus	x
Ash	3	265	Fair Health	Fraxinus	x
Ash	3	266	Fair Health	Fraxinus	x
Ash	3	267	Fair Health	Fraxinus	x
Ash	3	268	Fair Health	Fraxinus	x
Ash	3	275	Fair Health	Fraxinus	x
Ash	3	276	Fair Health	Fraxinus	x
Ash	3	286	Fair Health	Fraxinus	x
Ash	3	287	Fair Health	Fraxinus	x
Ash	3	288	Fair Health	Fraxinus	x
Ash	3	297	Fair Health	Fraxinus	x
Ash	3	298	Fair Health	Fraxinus	x
Ash	4	299	Fair Health	Fraxinus	x
Ash	3	300	Fair Health	Fraxinus	x

Total for Fair Health: 29

Poor Health : Ash

Ash	12	111	Poor Health	Fraxinus	x
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Total for Poor Health: 1

Total for Ash: 72

Black Walnut

Common name	diameter	tag	health_desc	genus	varitey
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Average Health : Black Walnut

Black Walnut	19	164	Average Health	Juglans	x
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Total for Average Health: 1

Total for Black Walnut: 1

Bottle Brush

Common name	diameter	tag	health_desc	genus	varitey
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Average Health : Bottle Brush

Bottle Brush	14	163	Average Health	Callistemon	x
Bottle Brush	10	165	Average Health	Callistemon	x
Bottle Brush	10	166	Average Health	Callistemon	x
Bottle Brush	10	168	Average Health	Callistemon	x

Bottle Brush	10	170	Average Health	Callistemon	x
Bottle Brush	10	175	Average Health	Callistemon	x
Bottle Brush	13	189	Average Health	Callistemon	x
Bottle Brush	11	202	Average Health	Callistemon	x
Bottle Brush	4	212	Average Health	Callistemon	x
Bottle Brush	10	218	Average Health	Callistemon	x

Total for Average Health: 10

Fair Health : Bottle Brush

Bottle Brush	6	177	Fair Health	Callistemon	x
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Total for Fair Health: 1

Total for Bottle Brush: 11

Camphor

Common name	diameter	tag	health desc	genus	varitey
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Average Health : Camphor

Camphor	6	279	Average Health	Cinnamomum	camphora
Camphor	5	280	Average Health	Cinnamomum	camphora
Camphor	5	281	Average Health	Cinnamomum	camphora
Camphor	5	282	Average Health	Cinnamomum	camphora
Camphor	5	283	Average Health	Cinnamomum	camphora
Camphor	6	284	Average Health	Cinnamomum	camphora
Camphor	6	285	Average Health	Cinnamomum	camphora
Camphor	5	289	Average Health	Cinnamomum	camphora
Camphor	5	290	Average Health	Cinnamomum	camphora
Camphor	6	291	Average Health	Cinnamomum	camphora
Camphor	6	292	Average Health	Cinnamomum	camphora
Camphor	6	293	Average Health	Cinnamomum	camphora
Camphor	5	294	Average Health	Cinnamomum	camphora
Camphor	5	295	Average Health	Cinnamomum	camphora

Total for Average Health: 14

Total for Camphor: 14

Clerodendrum

Common name	diameter	tag	health desc	genus	varitey
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Fair Health : Clerodendrum

Clerodendrum	5	147	Fair Health	Clerodendrum	x
Clerodendrum	5	148	Fair Health	Clerodendrum	x
Clerodendrum	5	149	Fair Health	Clerodendrum	x
Clerodendrum	5	151	Fair Health	Clerodendrum	x

Total for Fair Health: 4

Total for Clerodendrum: 4

Crape Myrtle

Common name	diameter	tag	health desc	genus	varitey
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Average Health : Crape Myrtle

Crape Myrtle	4	246	Average Health	Lagerstroemia	x
Crape Myrtle	4	247	Average Health	Lagerstroemia	x
Crape Myrtle	4	248	Average Health	Lagerstroemia	x
Crape Myrtle	4	249	Average Health	Lagerstroemia	x
Crape Myrtle	4	250	Average Health	Lagerstroemia	x
Crape Myrtle	4	251	Average Health	Lagerstroemia	x
Crape Myrtle	4	252	Average Health	Lagerstroemia	x
Crape Myrtle	4	253	Average Health	Lagerstroemia	x
Crape Myrtle	4	254	Average Health	Lagerstroemia	x
Crape Myrtle	4	255	Average Health	Lagerstroemia	x
Crape Myrtle	4	256	Average Health	Lagerstroemia	x

Total for Average Health: 11

Fair Health : Crape Myrtle

Crape Myrtle	1	103	Fair Health	Lagerstroemia	x
Crape Myrtle	1	104	Fair Health	Lagerstroemia	x

Total for Fair Health: 2

Total for Crape Myrtle: 13

Date Palm

Common name	diameter	tag	health desc	genus	varitey
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Average Health : Date Palm

Date Palm	40	150	Average Health	Pheonix	dactylifera
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Total for Average Health: 1

Total for Date Palm: 1

Elm

Common name	diameter	tag	health desc	genus	varitey
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Average Health : Elm

Elm	12	29	Average Health	Ulmus	x
Elm	15	30	Average Health	Ulmus	x
Elm	13	31	Average Health	Ulmus	x
Elm	11	42	Average Health	Ulmus	x
Elm	9	43	Average Health	Ulmus	x
Elm	8	118	Average Health	Ulmus	x
Elm	11	313	Average Health	Ulmus	x
Elm	11	314	Average Health	Ulmus	x
Elm	11	315	Average Health	Ulmus	x
Elm	11	316	Average Health	Ulmus	x
Elm	11	317	Average Health	Ulmus	x

Total for Average Health: 11

Fair Health : Elm

Elm	48	47	Fair Health	Ulmus	x
Elm	14	51	Fair Health	Ulmus	x
Elm	9	52	Fair Health	Ulmus	x
Elm	11	53	Fair Health	Ulmus	x
Elm	11	54	Fair Health	Ulmus	x
Elm	10	55	Fair Health	Ulmus	x
Elm	11	56	Fair Health	Ulmus	x
Elm	6	230	Fair Health	Ulmus	x
Elm	6	243	Fair Health	Ulmus	x
Elm	6	244	Fair Health	Ulmus	x
Elm	8	245	Fair Health	Ulmus	x

Total for Fair Health: 11

Poor Health : Elm

Elm	6	231	Poor Health	Ulmus	x
Elm	3	232	Poor Health	Ulmus	x
Elm	5	233	Poor Health	Ulmus	x
Elm	5	234	Poor Health	Ulmus	x

Total for Poor Health: 4

Total for Elm: 26

Fan Palm

Common name	diameter	tag	health desc	genus	varitey
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Fair Health : Fan Palm

Fan Palm	19	122	Fair Health	Palmea	washingtonia
Fan Palm	10	192	Fair Health	Palmea	washingtonia
Fan Palm	10	193	Fair Health	Palmea	washingtonia
Fan Palm	15	217	Fair Health	Palmea	washingtonia

Total for Fair Health: 4

Total for Fan Palm: 4

Fir

Common name	diameter	tag	health desc	genus	varitey
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Average Health : Fir

Fir	8	224	Average Health	Abies	x
Fir	8	225	Average Health	Abies	x
Fir	8	226	Average Health	Abies	x
Fir	8	306	Average Health	Abies	x
Fir	8	307	Average Health	Abies	x
Fir	8	308	Average Health	Abies	x

Total for Average Health: 6

Total for Fir: 6

Pear

Common name	diameter	tag	health desc	genus	varitey
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Average Health : Pear

Pear	10	57	Average Health	Rosaceae	x
Pear	10	58	Average Health	Rosaceae	x
Pear	7	59	Average Health	Rosaceae	x
Pear	10	78	Average Health	Rosaceae	x

Pear	9	79	Average Health	Rosaceae	x
Pear	8	80	Average Health	Rosaceae	x
Pear	7	81	Average Health	Rosaceae	x
Pear	8	82	Average Health	Rosaceae	x
Pear	9	83	Average Health	Rosaceae	x
Pear	11	84	Average Health	Rosaceae	x
Pear	9	85	Average Health	Rosaceae	x
Pear	7	86	Average Health	Rosaceae	x
Pear	10	87	Average Health	Rosaceae	x
Pear	15	88	Average Health	Rosaceae	x
Pear	9	89	Average Health	Rosaceae	x
Pear	9	115	Average Health	Rosaceae	x
Pear	8	116	Average Health	Rosaceae	x
Pear	6	117	Average Health	Rosaceae	x

Total for Average Health: 18

Fair Health : Pear

Pear	9	76	Fair Health	Rosaceae	x
Pear	7	77	Fair Health	Rosaceae	x

Total for Fair Health: 2

Total for Pear: 20

Pepper

Common name	diameter	tag	health desc	genus	varitey
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Average Health : Pepper

Pepper	17	227	Average Health	Schinus	molle
Pepper	15	228	Average Health	Schinus	molle
Pepper	14	229	Average Health	Schinus	molle
Pepper	8	235	Average Health	Schinus	molle

Total for Average Health: 4

Fair Health : Pepper

Pepper	8	236	Fair Health	Schinus	molle
Pepper	8	237	Fair Health	Schinus	molle
Pepper	8	238	Fair Health	Schinus	molle
Pepper	8	239	Fair Health	Schinus	molle
Pepper	8	240	Fair Health	Schinus	molle
Pepper	7	241	Fair Health	Schinus	molle

Pepper 8 242 Fair Health Schinus molle

Total for Fair Health: 7

Total for Pepper: 11

Pine

Common name	diameter	tag	health_desc	genus	varitey
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Average Health : Pine

Pine	17	186	Average Health	Pinus	x
Pine	21	187	Average Health	Pinus	x
Pine	21	188	Average Health	Pinus	x
Pine	21	190	Average Health	Pinus	x
Pine	20	203	Average Health	Pinus	x
Pine	19	204	Average Health	Pinus	x
Pine	8	205	Average Health	Pinus	x
Pine	15	208	Average Health	Pinus	x
Pine	18	209	Average Health	Pinus	x

Total for Average Health: 9

Dead : Pine

Pine	13	206	Dead	Pinus	x
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Total for Dead: 1

Fair Health : Pine

Pine	11	155	Fair Health	Pinus	x
Pine	9	156	Fair Health	Pinus	x
Pine	15	176	Fair Health	Pinus	x
Pine	11	207	Fair Health	Pinus	x

Total for Fair Health: 4

Total for Pine: 14

Plum

Common name	diameter	tag	health_desc	genus	varitey
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Dead : Plum

Plum	4	20	Dead	Prunus	x
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Total for Dead: 1

Fair Health : Plum

Plum	4	2	Fair Health	Prunus	x
Plum	13	3	Fair Health	Prunus	x
Plum	5	4	Fair Health	Prunus	x
Plum	4	19	Fair Health	Prunus	x
Plum	8	172	Fair Health	Prunus	x
Plum	6	174	Fair Health	Prunus	x
Plum	3	178	Fair Health	Prunus	x
Plum	3	179	Fair Health	Prunus	x
Plum	3	180	Fair Health	Prunus	x
Plum	3	181	Fair Health	Prunus	x
Plum	3	182	Fair Health	Prunus	x
Plum	3	183	Fair Health	Prunus	x
Plum	3	184	Fair Health	Prunus	x
Plum	3	185	Fair Health	Prunus	x

Total for Fair Health: 14

Poor Health : Plum

Plum	4	9	Poor Health	Prunus	x
Plum	4	13	Poor Health	Prunus	x
Plum	4	14	Poor Health	Prunus	x
Plum	6	17	Poor Health	Prunus	x

Total for Poor Health: 4

Total for Plum: 19

Privet

Common name	diameter	tag	health desc	genus	varitey
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Fair Health : Privet

Privet	10	171	Fair Health	Ligustrum	x
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Total for Fair Health: 1

Total for Privet: 1

Purple-Leaf Plum

Common name	diameter	tag	health desc	genus	varitey
-------------	----------	-----	-------------	-------	---------

Average Health : Purple-Leaf Plum

Purple-Leaf Plum	9	90	Average Health	Prunus	atropurpurea
Total for Average Health:					1

Dead : Purple-Leaf Plum

Purple-Leaf Plum	10	173	Dead	Prunus	atropurpurea
Total for Dead:					1

Fair Health : Purple-Leaf Plum

Purple-Leaf Plum	7	36	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	10	37	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	11	119	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	7	120	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	7	121	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	9	194	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	5	195	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	6	196	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	7	197	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	7	198	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	7	199	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	7	200	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	9	201	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	8	210	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	7	211	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	9	213	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	6	214	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	6	215	Fair Health	Prunus	atropurpurea
Purple-Leaf Plum	10	216	Fair Health	Prunus	atropurpurea
Total for Fair Health:					19

Poor Health : Purple-Leaf Plum

Purple-Leaf Plum	8	157	Poor Health	Prunus	atropurpurea
Purple-Leaf Plum	6	158	Poor Health	Prunus	atropurpurea
Purple-Leaf Plum	8	159	Poor Health	Prunus	atropurpurea
Purple-Leaf Plum	8	160	Poor Health	Prunus	atropurpurea
Purple-Leaf Plum	6	167	Poor Health	Prunus	atropurpurea
Purple-Leaf Plum	6	169	Poor Health	Prunus	atropurpurea
Total for Poor Health:					6

Total for Purple-Leaf Plum: 27

Redwood

Common name	diameter	tag	health desc	genus	varitey
-------------	----------	-----	-------------	-------	---------

Average Health : Redwood

Redwood	8	258	Average Health	Sequoia	sempervirens
Redwood	8	259	Average Health	Sequoia	sempervirens
Redwood	8	260	Average Health	Sequoia	sempervirens
Redwood	10	273	Average Health	Sequoia	sempervirens
Redwood	10	274	Average Health	Sequoia	sempervirens
Redwood	6	277	Average Health	Sequoia	sempervirens
Redwood	8	278	Average Health	Sequoia	sempervirens
Redwood	11	296	Average Health	Sequoia	sempervirens
Redwood	10	309	Average Health	Sequoia	sempervirens
Redwood	10	311	Average Health	Sequoia	sempervirens
Redwood	11	312	Average Health	Sequoia	sempervirens

Total for Average Health: 11

Fair Health : Redwood

Redwood	35	1	Fair Health	Sequoia	sempervirens
Redwood	7	5	Fair Health	Sequoia	sempervirens
Redwood	7	6	Fair Health	Sequoia	sempervirens
Redwood	7	7	Fair Health	Sequoia	sempervirens
Redwood	7	8	Fair Health	Sequoia	sempervirens
Redwood	15	10	Fair Health	Sequoia	sempervirens
Redwood	25	11	Fair Health	Sequoia	sempervirens
Redwood	28	12	Fair Health	Sequoia	sempervirens
Redwood	5	15	Fair Health	Sequoia	sempervirens
Redwood	9	16	Fair Health	Sequoia	sempervirens
Redwood	27	18	Fair Health	Sequoia	sempervirens
Redwood	9	21	Fair Health	Sequoia	sempervirens
Redwood	6	22	Fair Health	Sequoia	sempervirens
Redwood	16	23	Fair Health	Sequoia	sempervirens
Redwood	20	24	Fair Health	Sequoia	sempervirens
Redwood	26	25	Fair Health	Sequoia	sempervirens
Redwood	5	26	Fair Health	Sequoia	sempervirens
Redwood	6	27	Fair Health	Sequoia	sempervirens
Redwood	3	28	Fair Health	Sequoia	sempervirens
Redwood	9	32	Fair Health	Sequoia	sempervirens
Redwood	9	33	Fair Health	Sequoia	sempervirens
Redwood	2	34	Fair Health	Sequoia	sempervirens
Redwood	2	35	Fair Health	Sequoia	sempervirens

Redwood	24	219	Fair Health	Sequoia	sempervirens
Redwood	14	220	Fair Health	Sequoia	sempervirens

Total for Fair Health: 25

Total for Redwood: 36

Sycamore

Common name	diameter	tag	health desc	genus	varitey
-------------	----------	-----	-------------	-------	---------

Average Health : Sycamore

Sycamore	14	38	Average Health	Platanus	platanaceae
Sycamore	8	39	Average Health	Platanus	platanaceae
Sycamore	8	40	Average Health	Platanus	platanaceae
Sycamore	8	41	Average Health	Platanus	platanaceae
Sycamore	12	44	Average Health	Platanus	platanaceae
Sycamore	10	45	Average Health	Platanus	platanaceae
Sycamore	14	46	Average Health	Platanus	platanaceae
Sycamore	10	48	Average Health	Platanus	platanaceae
Sycamore	14	49	Average Health	Platanus	platanaceae
Sycamore	21	50	Average Health	Platanus	platanaceae
Sycamore	14	92	Average Health	Platanus	platanaceae
Sycamore	13	94	Average Health	Platanus	platanaceae
Sycamore	14	95	Average Health	Platanus	platanaceae
Sycamore	14	96	Average Health	Platanus	platanaceae
Sycamore	12	97	Average Health	Platanus	platanaceae
Sycamore	15	98	Average Health	Platanus	platanaceae
Sycamore	11	99	Average Health	Platanus	platanaceae
Sycamore	9	134	Average Health	Platanus	platanaceae
Sycamore	9	135	Average Health	Platanus	platanaceae
Sycamore	9	136	Average Health	Platanus	platanaceae
Sycamore	5	137	Average Health	Platanus	platanaceae
Sycamore	11	138	Average Health	Platanus	platanaceae
Sycamore	11	139	Average Health	Platanus	platanaceae
Sycamore	11	140	Average Health	Platanus	platanaceae
Sycamore	11	141	Average Health	Platanus	platanaceae
Sycamore	12	142	Average Health	Platanus	platanaceae
Sycamore	13	143	Average Health	Platanus	platanaceae
Sycamore	6	144	Average Health	Platanus	platanaceae
Sycamore	16	152	Average Health	Platanus	platanaceae
Sycamore	21	154	Average Health	Platanus	platanaceae
Sycamore	10	221	Average Health	Platanus	platanaceae
Sycamore	12	222	Average Health	Platanus	platanaceae
Sycamore	12	223	Average Health	Platanus	platanaceae

Total for Average Health: 33

Fair Health : Sycamore

Sycamore	10	91	Fair Health	Platanus	platanaceae
Sycamore	10	93	Fair Health	Platanus	platanaceae
Sycamore	12	153	Fair Health	Platanus	platanaceae

Total for Fair Health: 3

Total for Sycamore: 36

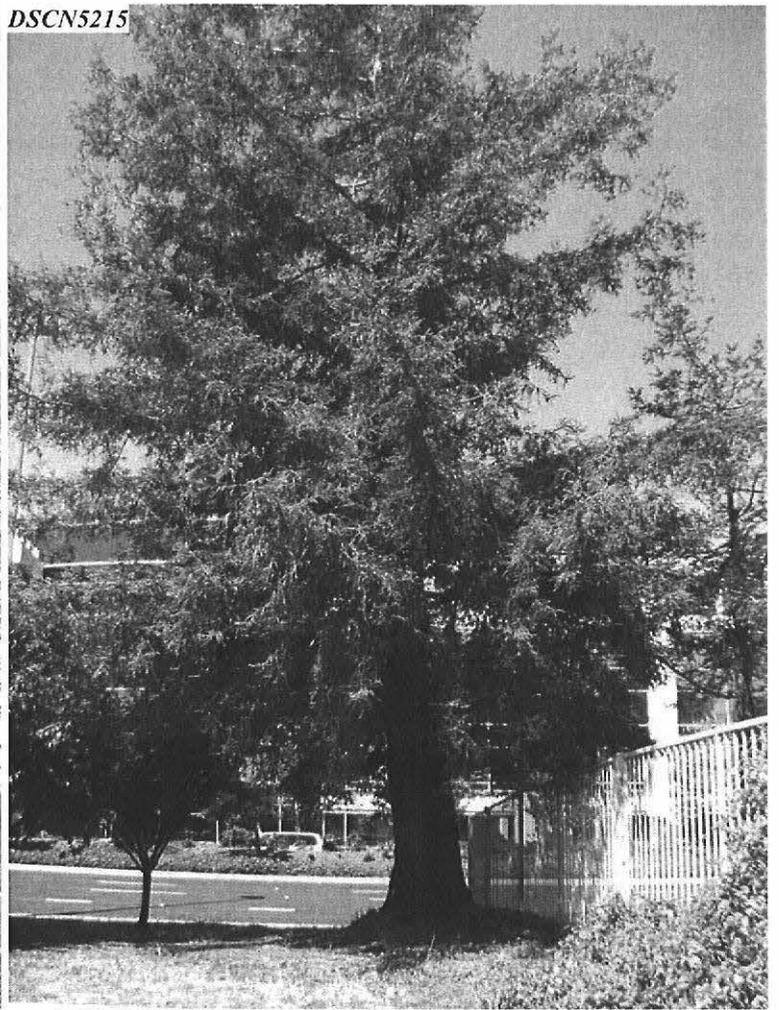


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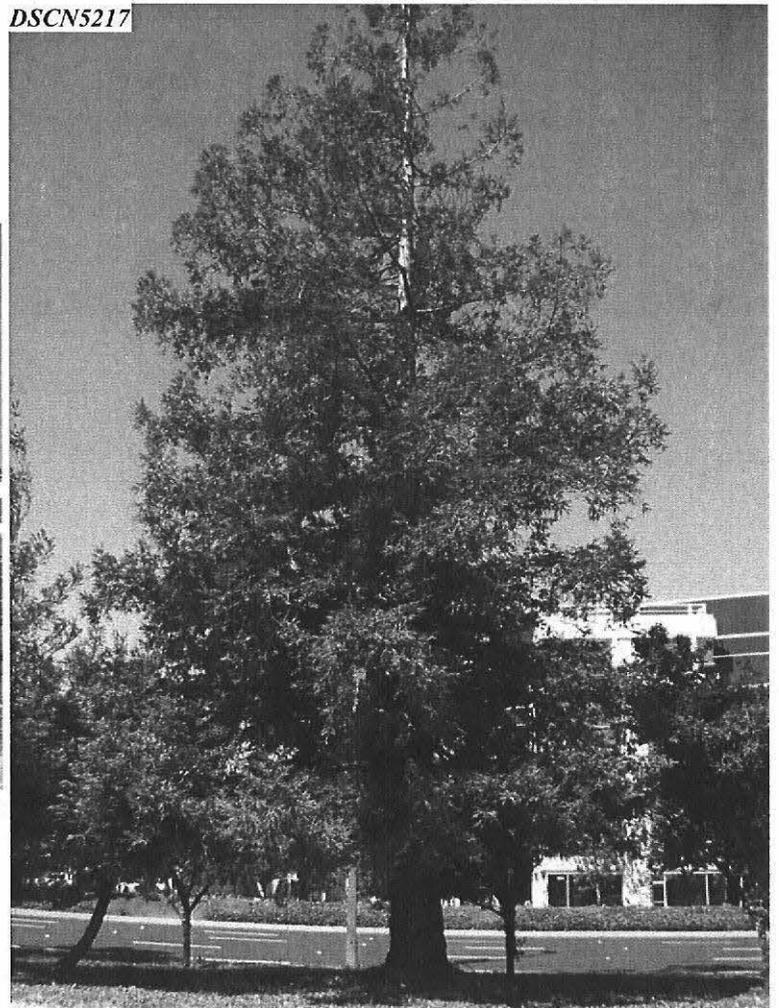
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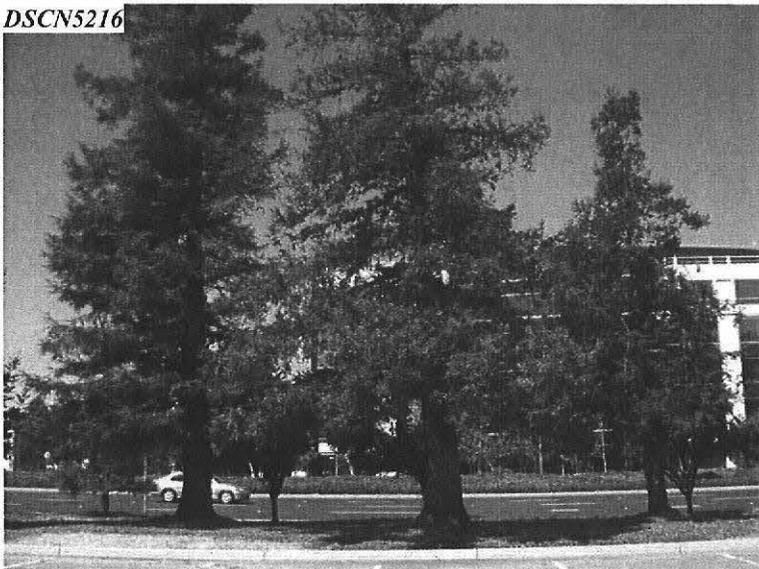
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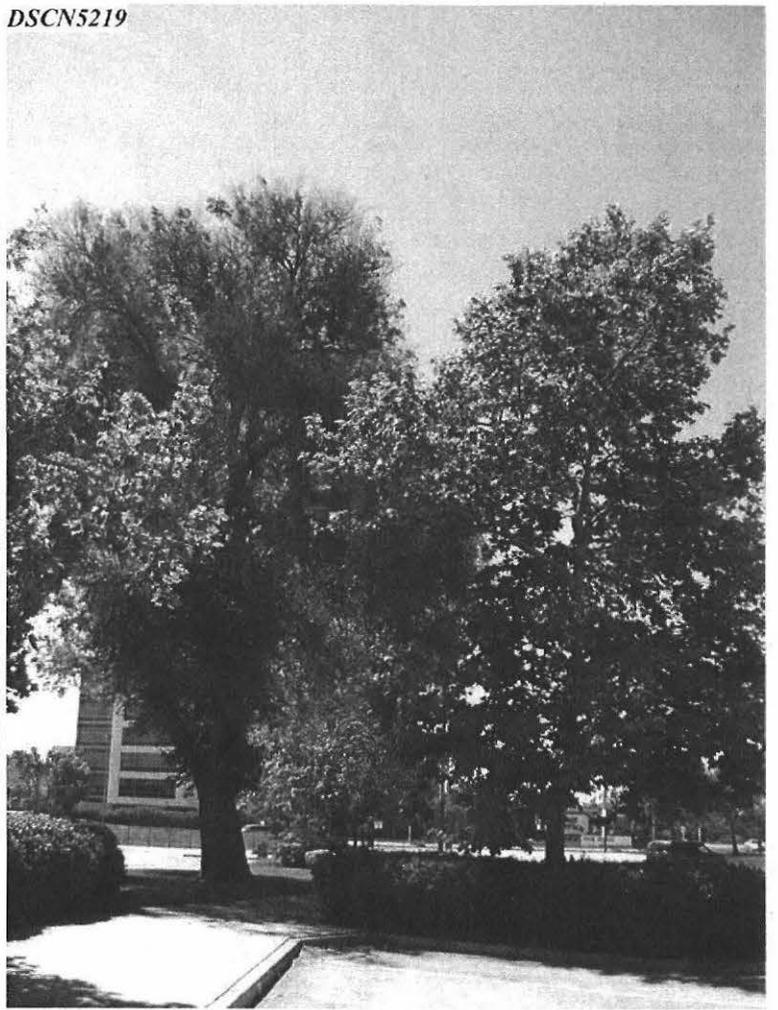
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DSCN5216



DSCN5219



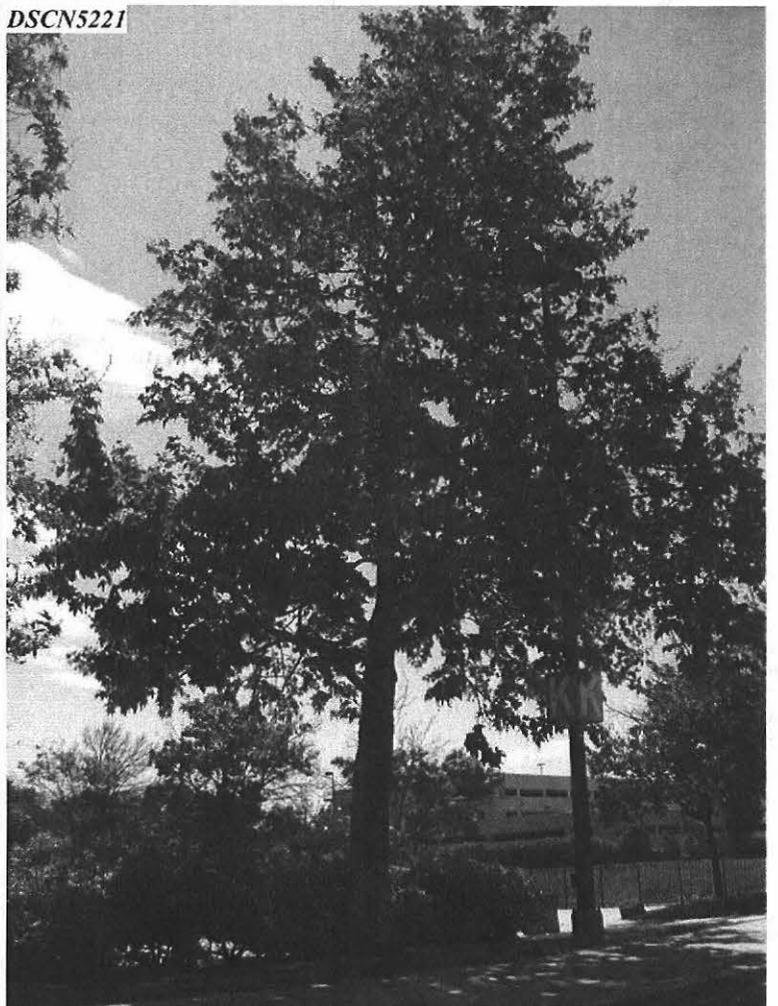
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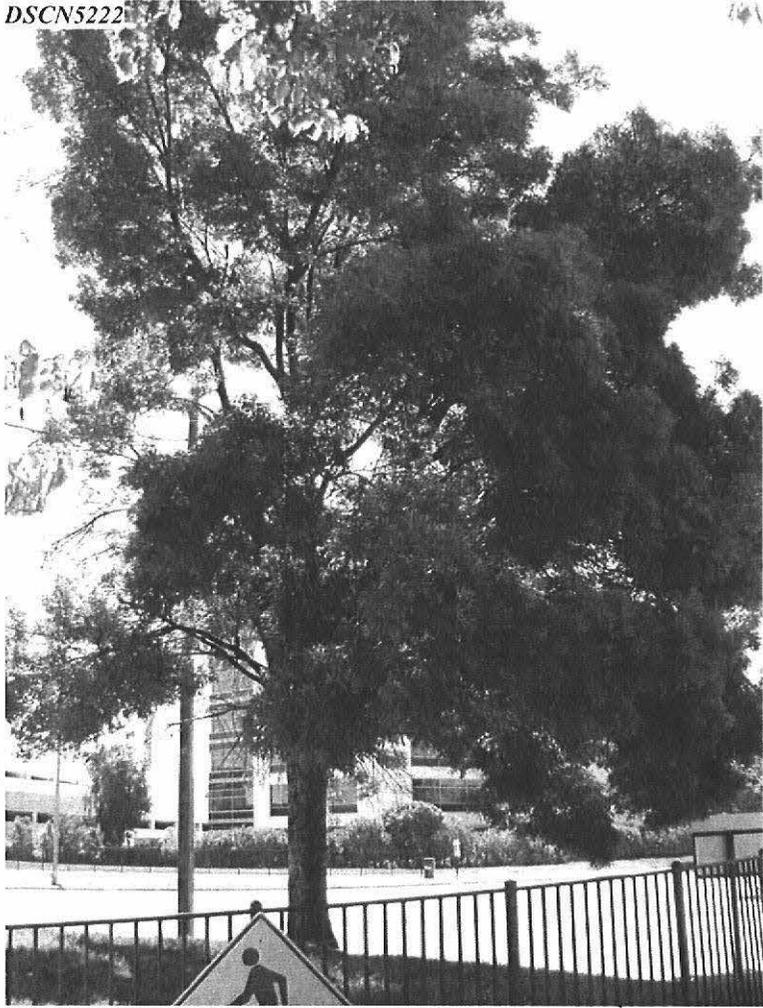
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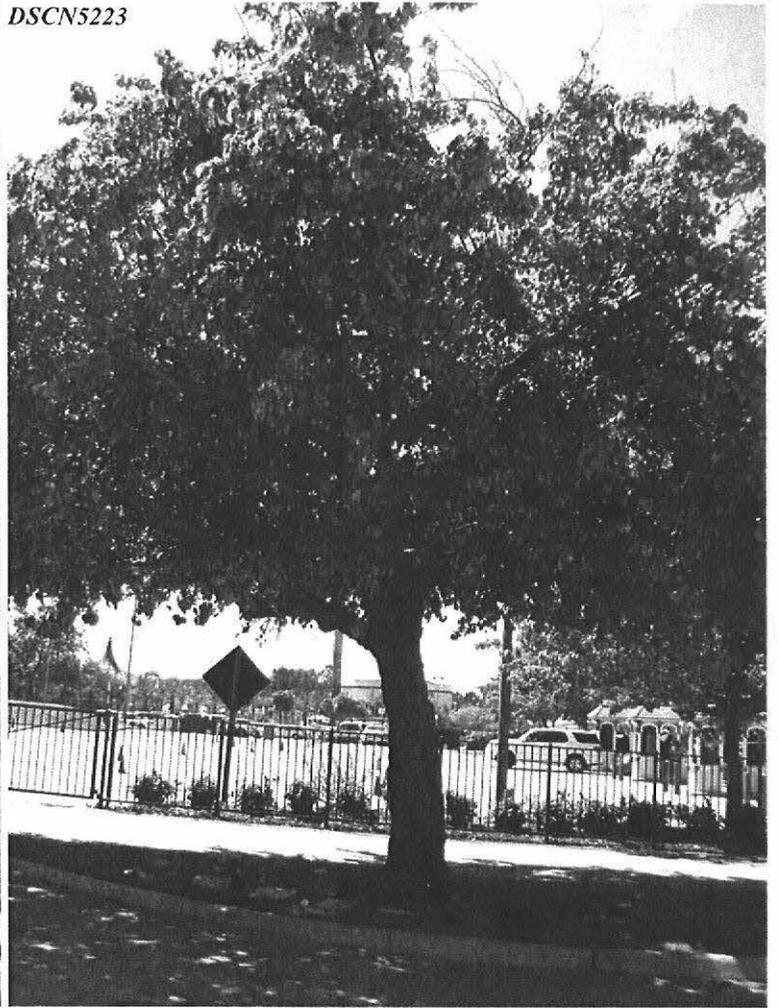
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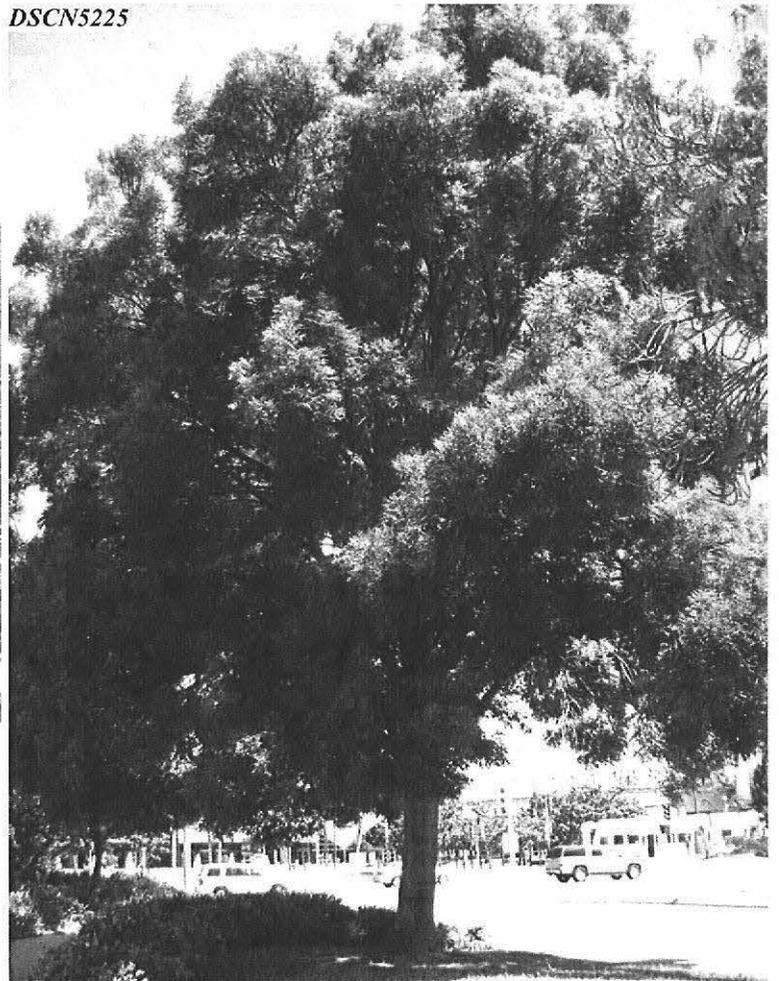
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DSCN5223



DSCN5225



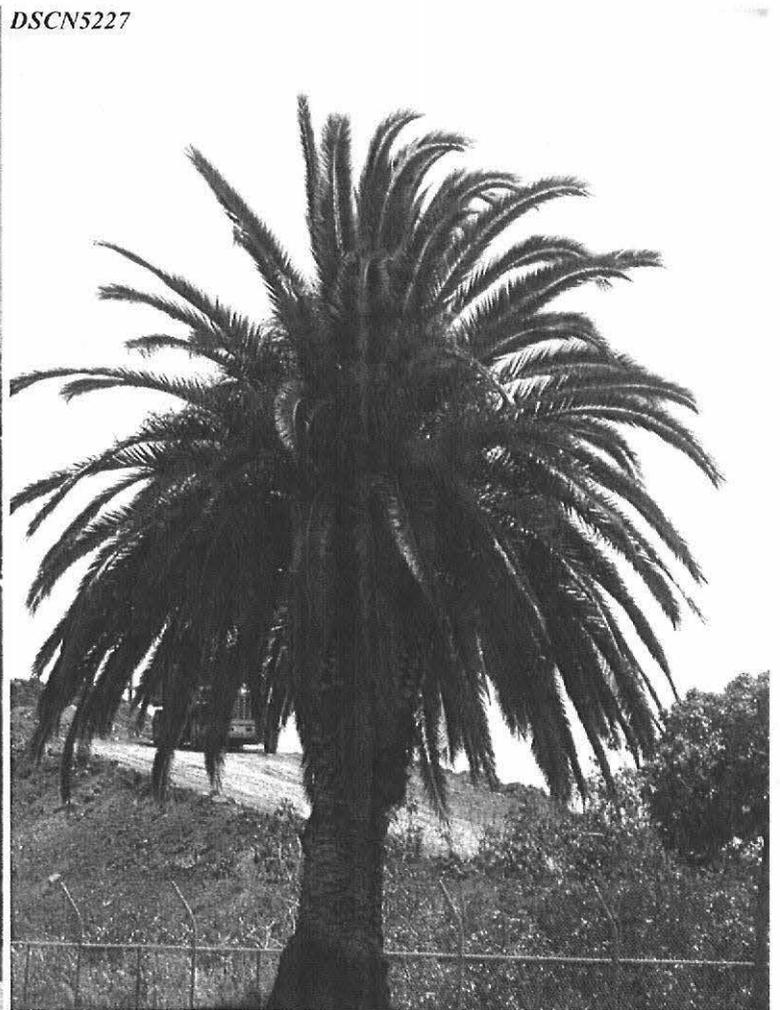
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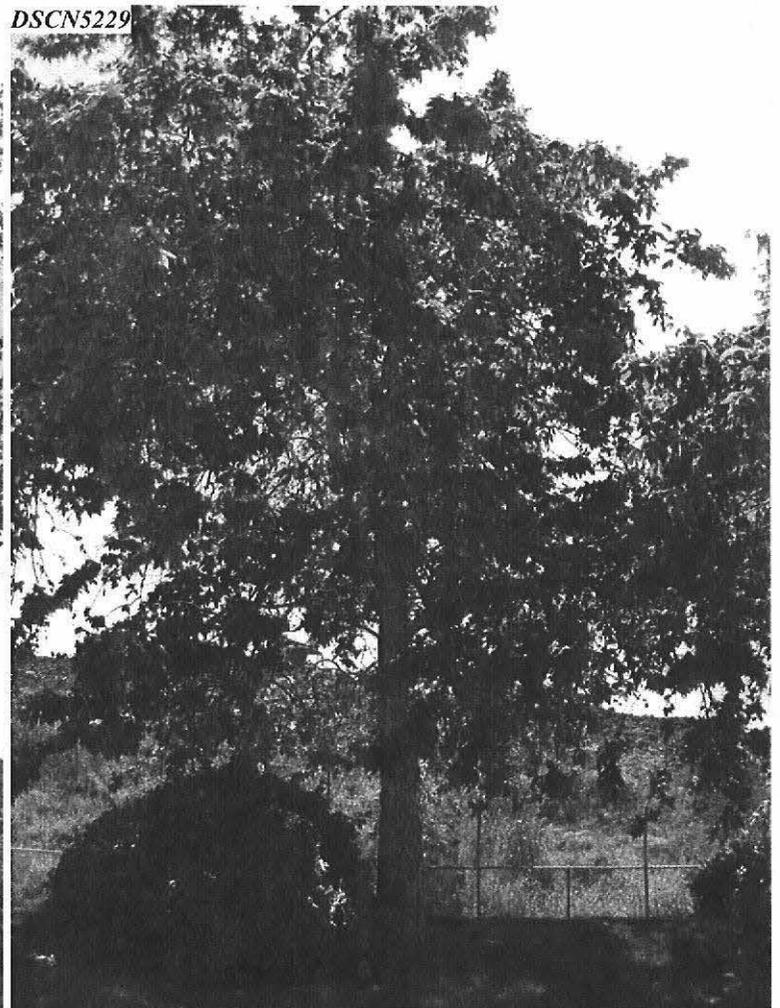
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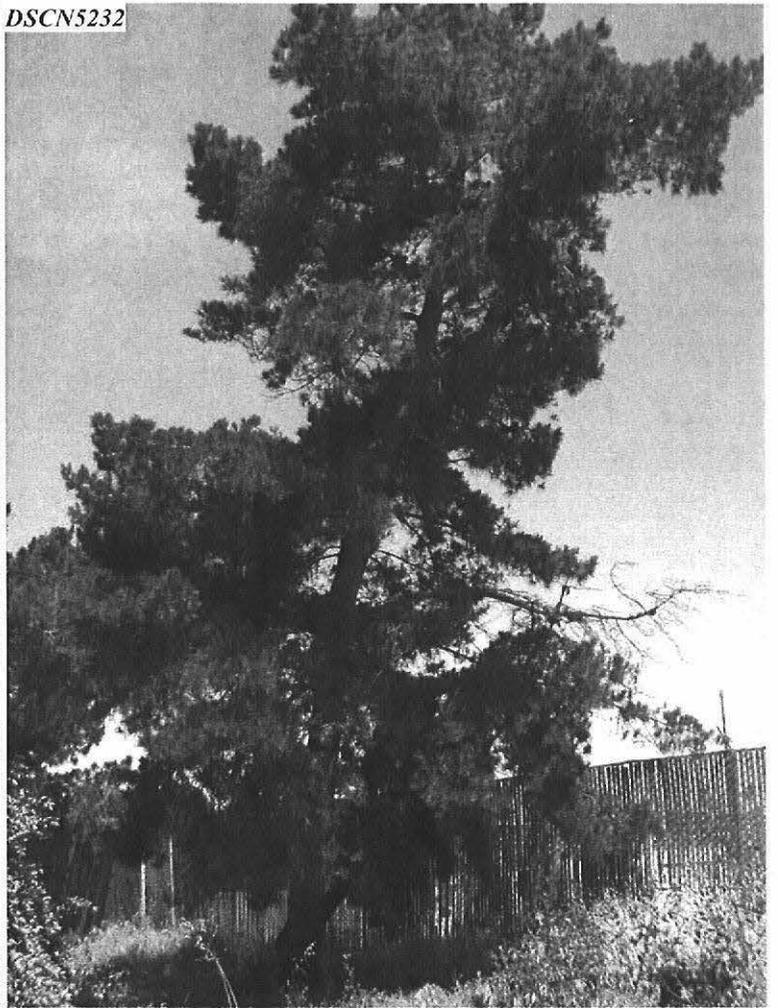
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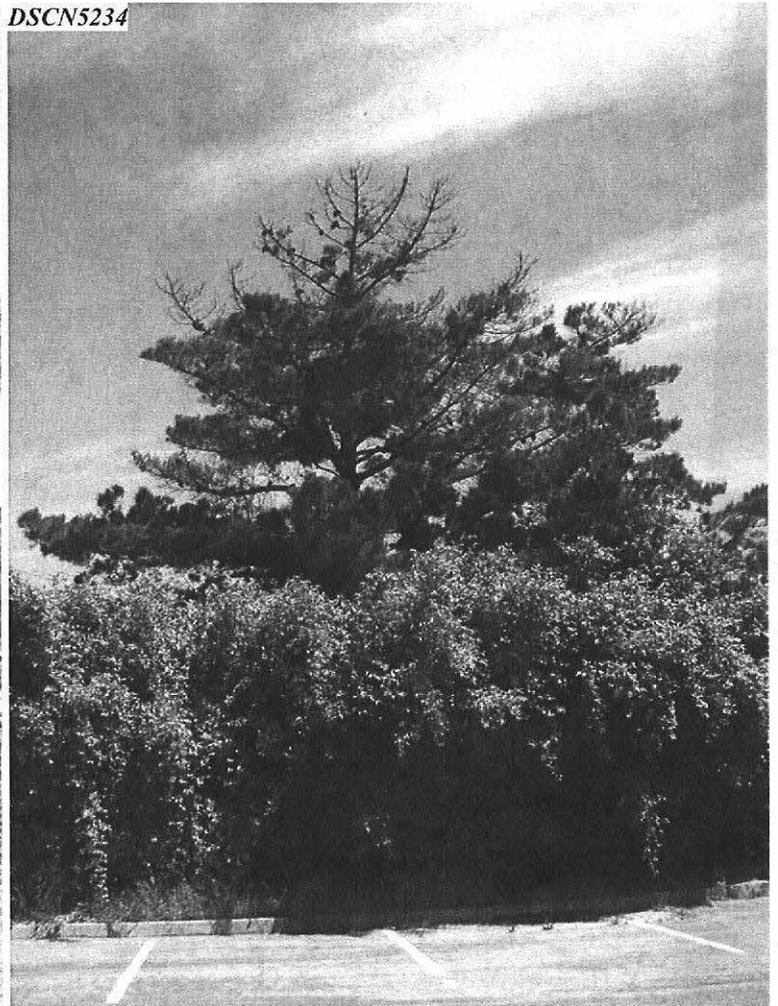
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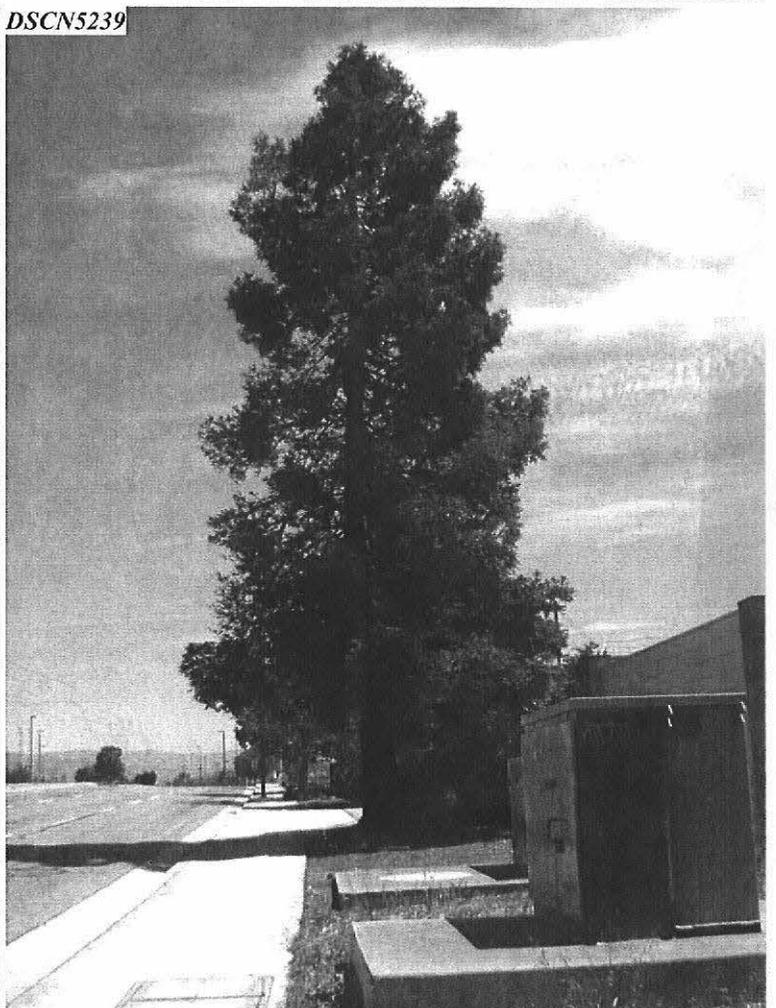
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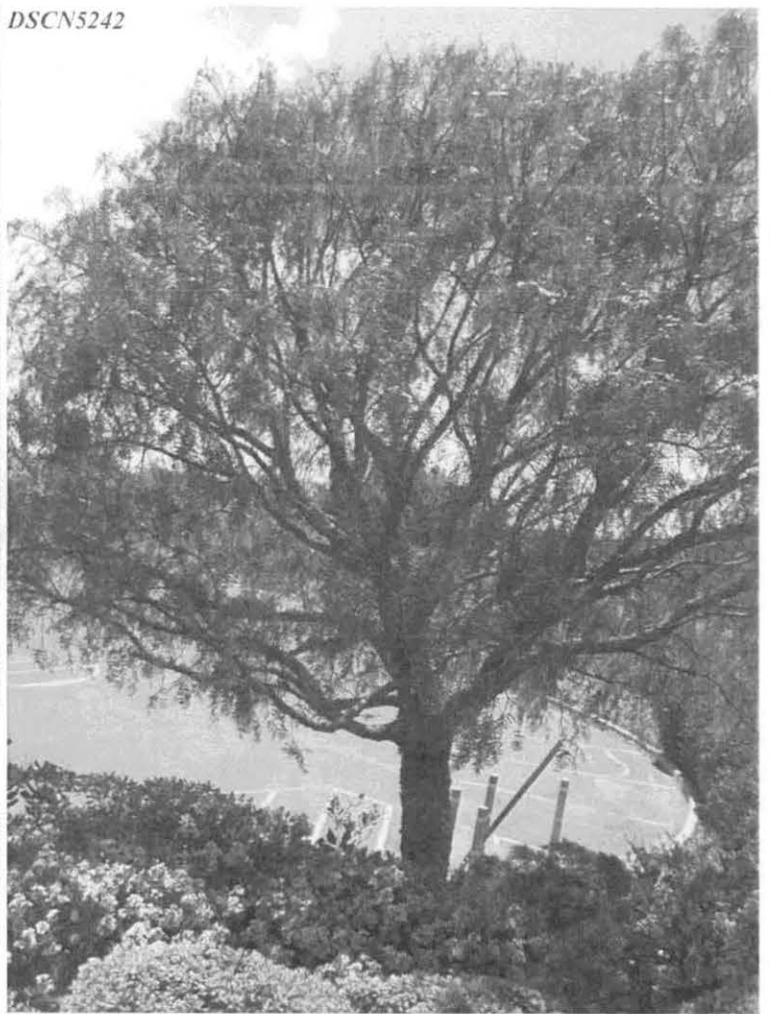
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Preliminary Tree Report

49er Parking Structure
Santa Clara, CA

Prepared for:

David J. Powers & Associates
1885 The Alameda Suite 204
San Jose, CA 95126

Prepared by:

Concentric Ecologies
190 Ryland Street
San Jose, CA 95110

January 2009

Preliminary Tree Report
49er Parking Structure
Santa Clara, CA

Table of Contents

Listing of Attached Files

List of Reports

- Complete Inventory
- Ordinance Sized Tree Report
- Number of Trees in Preservation Classification
- Tree Protection Zones
- Count by Species
- Tree Health and Frequency of Occurrence
- Health by Species

Overheads/ Photos

- Tree Photos
- Satellite View with Tree Locations

Introduction and Overview

David J. Powers & Assoc., while coordinating an Initial Study, has contracted with

Concentric Ecologies to develop a Tree Report for review by the City of Los Altos, California. The site will be referred to as:

49er Parking Structure
Santa Clara, CA

The report includes the following information:

- An evaluation of the health of the trees from a ground level, visual inspection.
- An evaluation of the impacts of the proposed development on the trees.
- Overhead maps showing tree locations.

The inspection was done at ground level and no biological tests were performed.

Methods

The inventory includes the diameter of all trees on the project site measured at 48 inches above grade as well as the overall health/ vigor, the preservation classification and the potential hazards the trees may pose to structures and pedestrians. The inspection was done visually and no biological tests were performed. The survey followed the following steps:

Tree Identification, as per species and variety, where able.

- Measuring the diameter of each tree at 48 inches above grade.
- Evaluating the overall health of each individual tree using a 1 through 5 rating system whereas;

- 5. = Poor Health
- 6. = Fair Health
- 7. = Average
- 8. = Good Health
- 9. = Excellent Health

- Rated the suitability for preservation whereas:

Good = Trees with good or excellent health and good or excellent structure and have a reasonable chance to survive construction.

Moderate = Trees that have a average or fair health and average or fair structure and, with adequate care, may survive the construction.

Poor = Trees that, either because of poor health or poor structure, are not good candidates for survival. This category may include species that are unsuitable for landscapes.

Tree preservation considers several different factors.

- Overall tree health is the main consideration when ascertaining a trees chance of surviving the ordeal of surviving in a construction zone.
- Species life span or longevity – if a tree is near the end of its useful life it may not be a good candidate for preservation.
- Structure – Often overlooked, improper structure can limit a trees lifespan and therefore lower the trees overall suitability for preservation.
- Individual tree responses – Some trees are more tolerant of disturbance; while others are not.

TYPES OF CONSTRUCTION DAMAGE

Tree decline and mortality, around newly constructed homes, is a result primarily from damage to the root system. During construction, roots are frequently cut when installing foundations, water and sewer lines or other utilities, driveways, curbs, sidewalks, etc.

Many roots are also lost when soil is removed during grading. Feeder roots occur primarily within the top six to eight inches of soil, and removing just a few inches of soil during grading can result in the elimination of much of these roots. Loss of feeder roots will reduce the water and nutrient absorption capability, which can eventually lead to decline. Cutting large roots increases the possibility of windthrow during severe storms and may lead to future hazardous decay. Compaction of the soil or placing fill over a tree root system during grading is equally as destructive as cutting and removing roots. All plant cells, including those in the roots, require oxygen to survive. Root cells obtain oxygen from pores within the soil. When the soil over the root system of a tree is compacted or fill is added during grading, the amount of soil air is greatly reduced. At the same time, gases toxic to plant roots tend to accumulate in the soil. These adverse factors result in root mortality and tree decline. Mechanical injuries to the stem and limbs also contribute to tree decline. Bark injuries inhibit transport of water and nutrients to the crown and allow entrance of decay and other disease organisms.

PREVENTING CONSTRUCTION DAMAGE

Root Damage - Reducing root damage is the key to preventing tree decline and death after building construction. Physical barriers such as fencing should be erected around trees to prevent encroachment by construction equipment. This will minimize soil compaction and also prevent fill and other debris from being placed over the root system. Barriers preferably should be placed at least midway between the bole of the tree and the drip line. If construction equipment must pass close to the tree, a bridge can be constructed over the root system. This is done by placing a steel plate over railroad ties, which are placed at intervals along the ground as supports.

Grade Changes - Grade changes around trees should be avoided whenever possible. If fill must be placed over the root system of a tree, construction of a tree well will help minimize the impact of the fill. If the grade must be cut, this should be done outside the tree's root system. Methods for cutting the grade near trees are described in the aforementioned technical report.

Pruning - Prior to the initiation of construction, interfering lower limbs on trees to be saved should be pruned to allow access for construction equipment. Large deadwood also should be removed at this time in order to eliminate a possible safety hazard to construction workers. Trees remaining on the building lot may be pruned to compensate for damage to the root system that inevitably occurs during construction, if they are excessively damaged. The objective is to reduce the size of the crown to a level that the root system can support. If removing live limbs choose sucker growth, competing and

conflicting limbs and low, interfering branches. Lightly cutting back side branches may be necessary to further "lighten" the crown if root disturbance was severe.

The crown should not be cut back harshly (topped).

Corrective pruning can be undertaken either before construction begins or immediately following completion.

Removing more than 15% of foliage may be detrimental.

Description of Trees

My survey was conducted in January 2009. The project site consists of 1 flat and level lots. The property is host to some 16 trees. Another 54 trees may be impacted by the construction and have been included in this report.

This property has 15 Carob (*Ceratonia x*) trees planted in front of the tennis courts, the carob trees are in various states of vigor. 12 of the Carobs are in average health. 2 are in fair health and 1 in in poor health. All 15 of the Carobs are moderate candidates for preservation. The carob tree is a hearty species and is well acclimatized to the Santa Clara valley.

There are 54 Pine trees (*Pinus x*) planted along the San Tomas Aquino riparian corridor. These Pine trees lie outside of the fenced area that defines the parking lot but enough of the foliage has grown over into the parking area to include them in this survey.

27 of the Pine tree are in average health and 27 of the Pines are in fair health. All of the pines are moderate candidates for preservation.

There is one California Pepper Tree (*Schinus molle*) that has sprung up as a volunteer along Tasman Drive, this tree is in fair health and is a moderate candidate for preservation.

Comments on each individual tree, when warranted, are included in the Complete Inventory report below.

49er Parking Structure

Report Description:

Complete Inventory

<u>Tag</u>	<u>Diameter</u>	<u>Common Name</u>	<u>Health Description</u>	<u>Preservation Description</u>	<u>Comment</u>	<u>Picture</u>
469	18	Pine	Fair Health	Moderate Suitability	Leaning	469
470	14	Pine	Fair Health	Moderate Suitability	Leaning	
471	10	Pine	Fair Health	Moderate Suitability	Leaning	
472	17	Pine	Average Health	Moderate Suitability	Leaning	472
473	14	Pine	Fair Health	Moderate Suitability	Leaning co- dominant stems	
474	12	Pine	Fair Health	Moderate Suitability	Leaning co- dominant stems	
475	11	Pine	Average Health	Moderate Suitability		
476	12	Pine	Average Health	Moderate Suitability		
477	10	Pine	Average Health	Moderate Suitability		
478	11	Pine	Average Health	Moderate Suitability		
479	7	Pine	Fair Health	Moderate Suitability	Leaning	
480	11	Pine	Average Health	Moderate Suitability		
481	11	Pine	Fair Health	Moderate Suitability	Leaning	
482	12	Pine	Average Health	Moderate Suitability		
483	9	Pine	Fair Health	Moderate Suitability	Leaning	
484	13	Pine	Average Health	Moderate Suitability		
485	17	Pine	Fair Health	Moderate Suitability	co- dominant stems	485
486	9	Pine	Fair Health	Moderate Suitability	Leaning	
487	9	Pine	Average Health	Moderate Suitability		
488	14	Pine	Average Health	Moderate Suitability		
489	16	Pine	Fair Health	Moderate Suitability	Leaning	489
490	11	Pine	Average Health	Moderate Suitability		
491	6	Pine	Average Health	Moderate Suitability		
492	15	Pine	Fair Health	Moderate Suitability	co- dominant stems	
493	14	Pine	Fair Health	Moderate Suitability	co- dominant stems	
494	12	Pine	Fair Health	Moderate Suitability	Leaning	
495	13	Pine	Fair Health	Moderate Suitability	Leaning	
496	13	Pine	Fair Health	Moderate Suitability	Leaning	
497	4	Pine	Fair Health	Moderate Suitability	Leaning	
498	11	Pine	Average Health	Moderate Suitability		
498	11	Pine	Average Health	Moderate Suitability		
499	14	Pine	Fair Health	Moderate Suitability	co- dominant stems	
500	6	Pine	Fair Health	Moderate Suitability	co- dominant stems	
501	14	Pine	Fair Health	Moderate Suitability	co- dominant stems	
502	14	Pine	Fair Health	Moderate Suitability	Leaning	
503	14	Pine	Fair Health	Moderate Suitability	Leaning	
504	6	Pine	Fair Health	Moderate Suitability		
505	11	Pine	Average Health	Moderate Suitability		
506	11	Pine	Average Health	Moderate Suitability		
507	16	Pine	Fair Health	Moderate Suitability	Leaning	507
508	13	Pine	Average Health	Moderate Suitability	Beetles	
509	13	Pine	Average Health	Moderate Suitability	Leaning co-dominant stems	
510	16	Pine	Average Health	Moderate Suitability		
511	11	Pine	Average Health	Moderate Suitability	Leaning co-dominant stems	
512	11	Pine	Average Health	Moderate Suitability		
513	13	Pine	Fair Health	Moderate Suitability	Leaning	
514	13	Pine	Average Health	Moderate Suitability		
515	6	Pine	Fair Health	Moderate Suitability		
516	11	Pine	Average Health	Moderate Suitability	co-dominant stems	
517	13	Pine	Average Health	Moderate Suitability		
518	6	Pine	Fair Health	Moderate Suitability		
519	13	Pine	Average Health	Moderate Suitability		
520	13	Pine	Average Health	Moderate Suitability	leaning	
521	11	Pine	Average Health	Moderate Suitability		
522	10	Carob	Average Health	Moderate Suitability		
523	8	Carob	Average Health	Moderate Suitability		
524	8	Carob	Average Health	Moderate Suitability		
525	10	Carob	Fair Health	Moderate Suitability		
526	10	Carob	Average Health	Moderate Suitability		
527	6	Carob	Poor Health	Moderate Suitability		

49er Parking Structure

Report Description: Complete Inventory

<u>Tag</u>	<u>Diameter</u>	<u>Common Name</u>	<u>Health Description</u>	<u>Preservation Description</u>	<u>Comment</u>	<u>Picture</u>
528	11	Carob	Average Health	Moderate Suitability		
529	11	Carob	Fair Health	Moderate Suitability		
530	9	Carob	Average Health	Moderate Suitability		
531	8	Carob	Average Health	Moderate Suitability		
532	8	Carob	Average Health	Moderate Suitability		
533	9	Carob	Average Health	Moderate Suitability		
534	10	Carob	Average Health	Moderate Suitability		
535	10	Carob	Average Health	Moderate Suitability		
536	9	Carob	Average Health	Moderate Suitability		
537	10	Pepper	Fair Health	Moderate Suitability	Co-dominant stems	

Total Number Of Trees:

70

Average Diameter:

11

Count by Species

Printed Date: 1/25/2009

Last modified: 8/24/2008

Report Description:

Carob	Ceratonia	siliqua	15
Pepper	Schinus	molle	1
Pine	Pinus	x	54

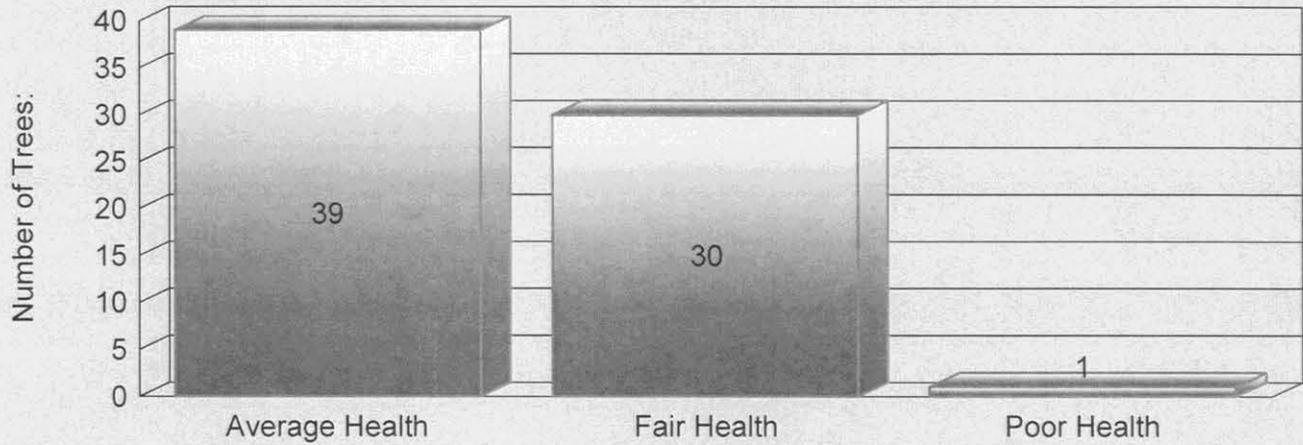
49er Parking Structure

Printed Date: 1/25/2009

Last modified: 1/25/2009

Report Description: Tree Health and Frequency of Occurrence

Number of Trees in Health Condition



Tag	Circ.	Common Name	genus	varitey	comment
Average Health					
Tag	Circ.	Common Name	genus	varitey	comment
472	17	Pine	Pinus	x	Leaning
475	11	Pine	Pinus	x	
476	12	Pine	Pinus	x	
477	10	Pine	Pinus	x	
478	11	Pine	Pinus	x	
480	11	Pine	Pinus	x	
482	12	Pine	Pinus	x	
484	13	Pine	Pinus	x	
487	9	Pine	Pinus	x	
488	14	Pine	Pinus	x	
490	11	Pine	Pinus	x	
491	6	Pine	Pinus	x	
498	11	Pine	Pinus	x	
498	11	Pine	Pinus	x	
505	11	Pine	Pinus	x	
506	11	Pine	Pinus	x	
508	13	Pine	Pinus	x	Beetles
509	13	Pine	Pinus	x	Leaning co-dominant stems
510	16	Pine	Pinus	x	
511	11	Pine	Pinus	x	Leaning co-dominant stems
512	11	Pine	Pinus	x	
514	13	Pine	Pinus	x	
516	11	Pine	Pinus	x	co-dominant stems
517	13	Pine	Pinus	x	
519	13	Pine	Pinus	x	
520	13	Pine	Pinus	x	leaning
521	11	Pine	Pinus	x	
522	10	Carob	Ceratonia	siliqua	
523	8	Carob	Ceratonia	siliqua	
524	8	Carob	Ceratonia	siliqua	
526	10	Carob	Ceratonia	siliqua	
528	11	Carob	Ceratonia	siliqua	
530	9	Carob	Ceratonia	siliqua	
531	8	Carob	Ceratonia	siliqua	
532	8	Carob	Ceratonia	siliqua	
533	9	Carob	Ceratonia	siliqua	
534	10	Carob	Ceratonia	siliqua	
535	10	Carob	Ceratonia	siliqua	

Tag	Circ.	Common Name	genus	varitey	comment
536	9	Carob	Ceratonia	siliqua	

Total for Average Health: 39

Fair Health

Tag	Circ.	Common Name	genus	varitey	comment
469	18	Pine	Pinus	x	Leaning
470	14	Pine	Pinus	x	Leaning
471	10	Pine	Pinus	x	Leaning
473	14	Pine	Pinus	x	Leaning co- dominant stems
474	12	Pine	Pinus	x	Leaning co- dominant stems
479	7	Pine	Pinus	x	Leaning
481	11	Pine	Pinus	x	Leaning
483	9	Pine	Pinus	x	Leaning
485	17	Pine	Pinus	x	co- dominant stems
486	9	Pine	Pinus	x	Leaning
489	16	Pine	Pinus	x	Leaning
492	15	Pine	Pinus	x	co- dominant stems
493	14	Pine	Pinus	x	co- dominant stems
494	12	Pine	Pinus	x	Leaning
495	13	Pine	Pinus	x	Leaning
496	13	Pine	Pinus	x	Leaning
497	4	Pine	Pinus	x	Leaning
499	14	Pine	Pinus	x	co- dominant stems
500	6	Pine	Pinus	x	co- dominant stems
501	14	Pine	Pinus	x	co- dominant stems
502	14	Pine	Pinus	x	Leaning
503	14	Pine	Pinus	x	Leaning
504	6	Pine	Pinus	x	
507	16	Pine	Pinus	x	Leaning
513	13	Pine	Pinus	x	Leaning
515	6	Pine	Pinus	x	
518	6	Pine	Pinus	x	
525	10	Carob	Ceratonia	siliqua	
529	11	Carob	Ceratonia	siliqua	
537	10	Pepper	Schinus	molle	Co-dominant stems

Total for Fair Health: 30

Poor Health

Tag	Circ.	Common Name	genus	varitey	comment
527	6	Carob	Ceratonia	siliqua	

Total for Poor Health: 1

49er Parking Structure Health by Species Report:

Printed Date: 1/25/2009

Last modified: 1/25/2009

Report Description:

Carob

Common name	diameter	tag	health desc	genus	varitey
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Average Health : Carob

Carob	10	522	Average Health	Ceratonia	siliqua
Carob	8	523	Average Health	Ceratonia	siliqua
Carob	8	524	Average Health	Ceratonia	siliqua
Carob	10	526	Average Health	Ceratonia	siliqua
Carob	11	528	Average Health	Ceratonia	siliqua
Carob	9	530	Average Health	Ceratonia	siliqua
Carob	8	531	Average Health	Ceratonia	siliqua
Carob	8	532	Average Health	Ceratonia	siliqua
Carob	9	533	Average Health	Ceratonia	siliqua
Carob	10	534	Average Health	Ceratonia	siliqua
Carob	10	535	Average Health	Ceratonia	siliqua
Carob	9	536	Average Health	Ceratonia	siliqua

Total for Average Health: 12

Fair Health : Carob

Carob	10	525	Fair Health	Ceratonia	siliqua
Carob	11	529	Fair Health	Ceratonia	siliqua

Total for Fair Health: 2

Poor Health : Carob

Carob	6	527	Poor Health	Ceratonia	siliqua
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Total for Poor Health: 1

Total for Carob: 15

Pepper

Common name	diameter	tag	health desc	genus	varitey
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Fair Health : Pepper

Pepper 10 537 Fair Health Schinus molle

Total for Fair Health: 1

Total for Pepper: 1

Pine

Common name	diameter	tag	health desc	genus	varitey
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Average Health : Pine

Pine	11	475	Average Health	Pinus	x
Pine	12	476	Average Health	Pinus	x
Pine	10	477	Average Health	Pinus	x
Pine	11	478	Average Health	Pinus	x
Pine	11	480	Average Health	Pinus	x
Pine	12	482	Average Health	Pinus	x
Pine	13	484	Average Health	Pinus	x
Pine	9	487	Average Health	Pinus	x
Pine	14	488	Average Health	Pinus	x
Pine	11	490	Average Health	Pinus	x
Pine	6	491	Average Health	Pinus	x
Pine	11	498	Average Health	Pinus	x
Pine	11	498	Average Health	Pinus	x
Pine	11	505	Average Health	Pinus	x
Pine	11	506	Average Health	Pinus	x
Pine	13	508	Average Health	Pinus	x
Pine	13	509	Average Health	Pinus	x
Pine	16	510	Average Health	Pinus	x
Pine	11	511	Average Health	Pinus	x
Pine	11	512	Average Health	Pinus	x
Pine	13	514	Average Health	Pinus	x
Pine	11	516	Average Health	Pinus	x
Pine	13	517	Average Health	Pinus	x
Pine	13	519	Average Health	Pinus	x
Pine	13	520	Average Health	Pinus	x
Pine	11	521	Average Health	Pinus	x
Pine	17	472	Average Health	Pinus	x

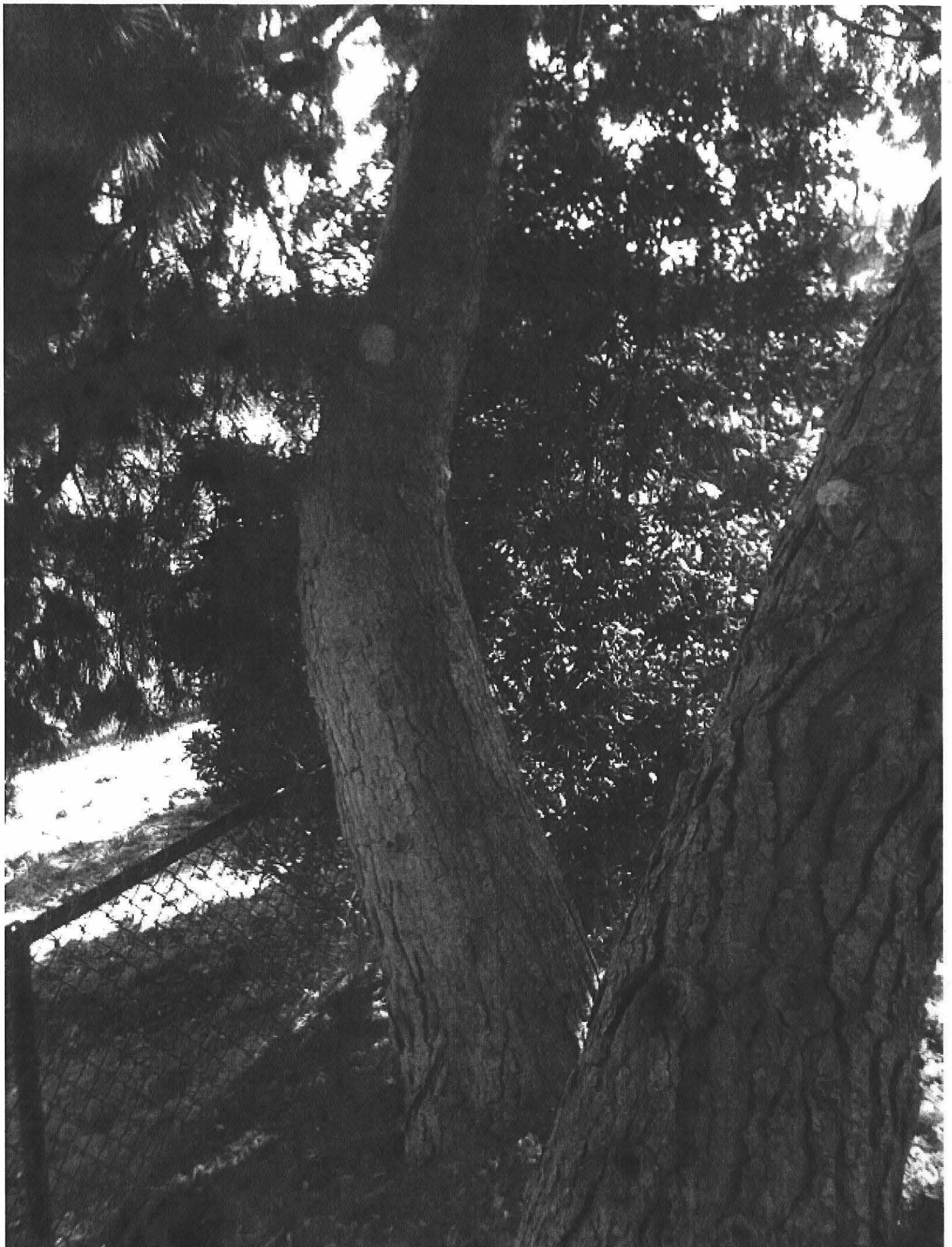
Total for Average Health: 27

Fair Health : Pine

Pine	14	473	Fair Health	Pinus	x
Pine	12	474	Fair Health	Pinus	x
Pine	7	479	Fair Health	Pinus	x
Pine	11	481	Fair Health	Pinus	x
Pine	9	483	Fair Health	Pinus	x
Pine	17	485	Fair Health	Pinus	x
Pine	9	486	Fair Health	Pinus	x
Pine	16	489	Fair Health	Pinus	x
Pine	15	492	Fair Health	Pinus	x
Pine	14	493	Fair Health	Pinus	x
Pine	12	494	Fair Health	Pinus	x
Pine	13	495	Fair Health	Pinus	x
Pine	13	496	Fair Health	Pinus	x
Pine	4	497	Fair Health	Pinus	x
Pine	14	499	Fair Health	Pinus	x
Pine	6	500	Fair Health	Pinus	x
Pine	14	501	Fair Health	Pinus	x
Pine	14	502	Fair Health	Pinus	x
Pine	14	503	Fair Health	Pinus	x
Pine	6	504	Fair Health	Pinus	x
Pine	16	507	Fair Health	Pinus	x
Pine	13	513	Fair Health	Pinus	x
Pine	6	515	Fair Health	Pinus	x
Pine	6	518	Fair Health	Pinus	x
Pine	18	469	Fair Health	Pinus	x
Pine	10	471	Fair Health	Pinus	x
Pine	14	470	Fair Health	Pinus	x

Total for Fair Health: 27

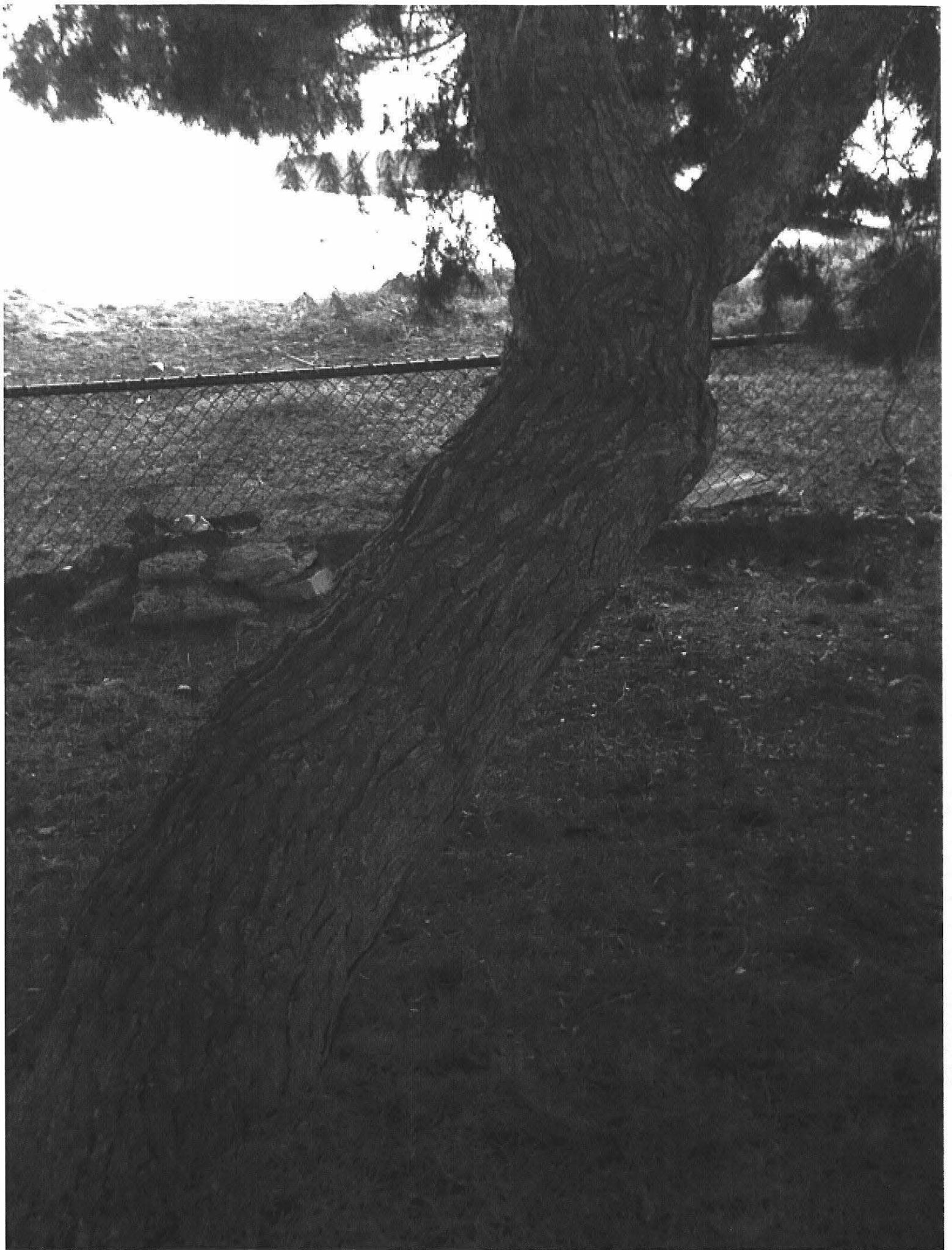
Total for Pine: 54

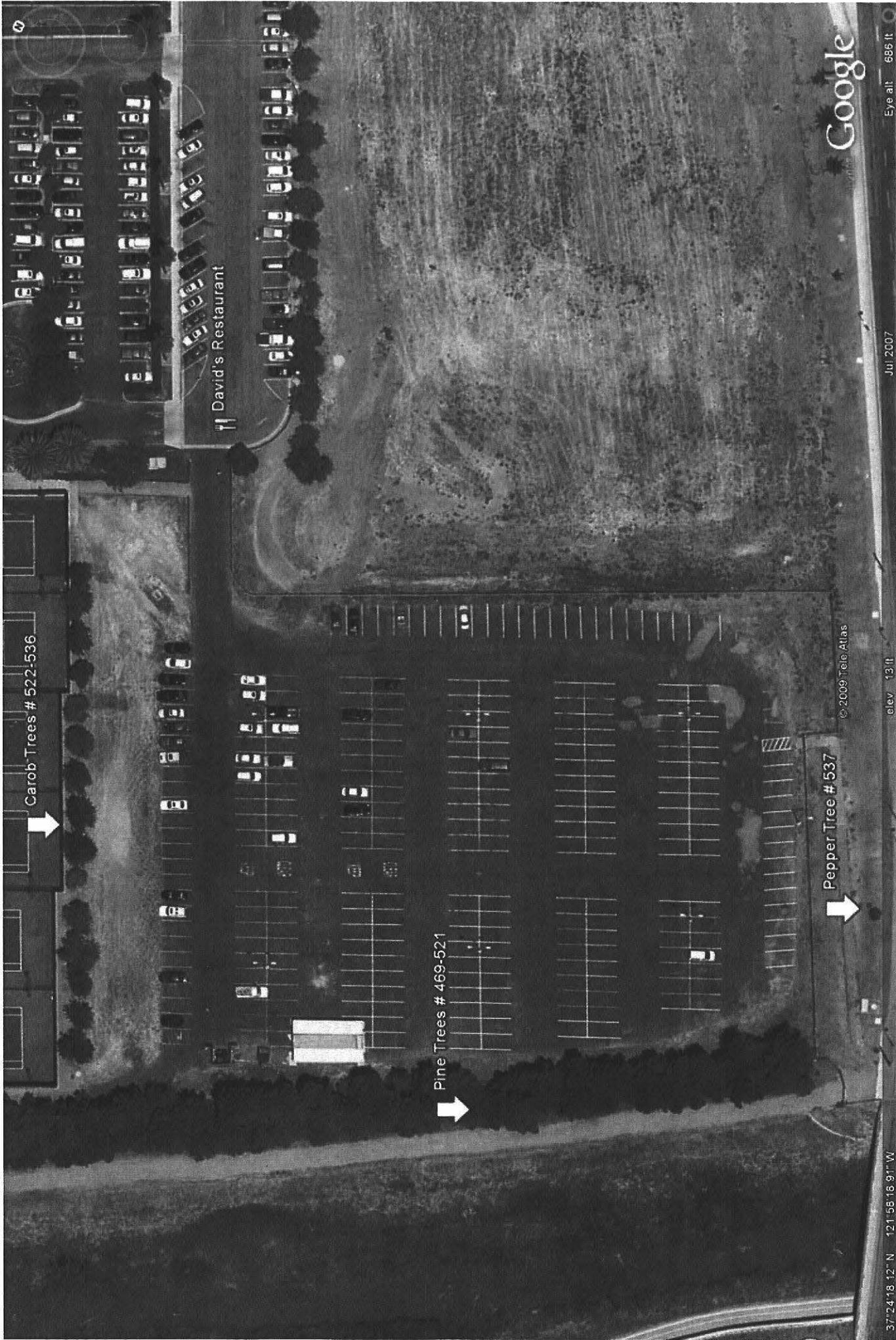












Carob Trees # 522-536



Pine Trees # 469-521



Pepper Tree # 537



David's Restaurant

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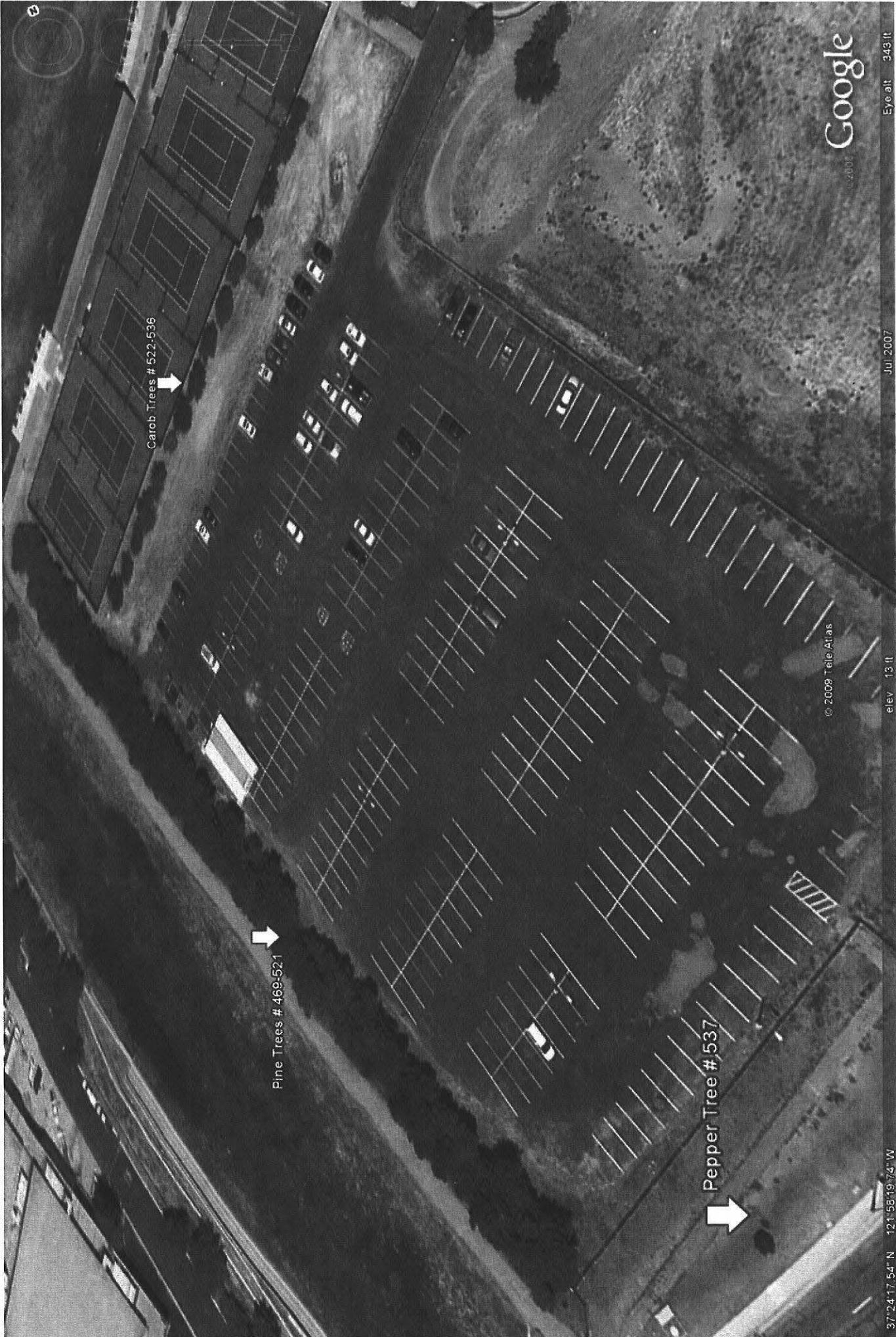
37°24'18.12" N 121°56'16.91" W

elev 131ft

Jul 2007

Eye alt: 686 ft

Google



Carob Trees # 522-536

Pine Trees # 469-521

Pepper Tree # 537

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Google

Eye alt 343 ft

Jul 2007

elev 13 ft

37°24'17.54" N 121°58'19.74" W