Appendix E

Tree Inventory

EXHIBIT A - GENERAL TREE LOCATION MAP

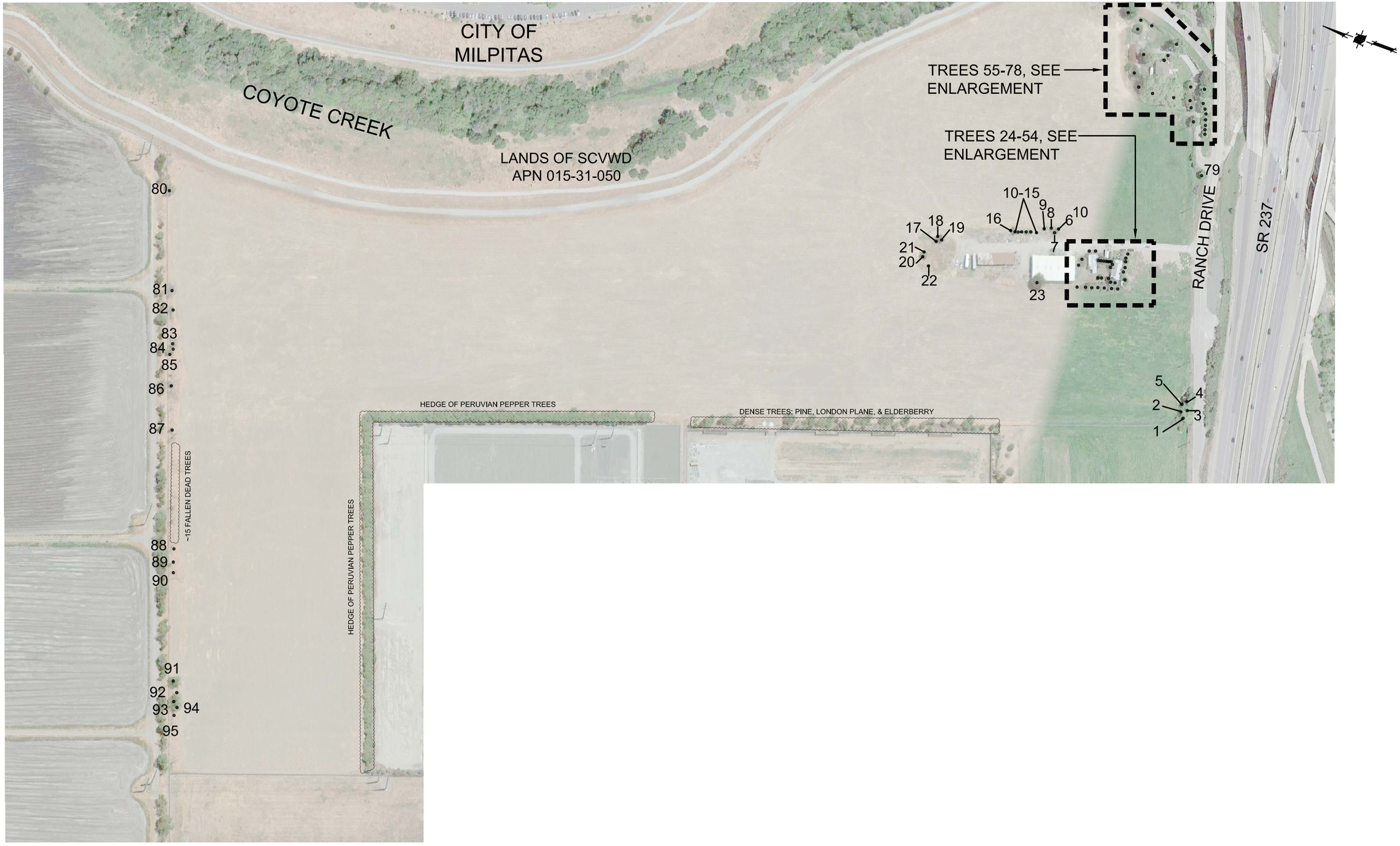
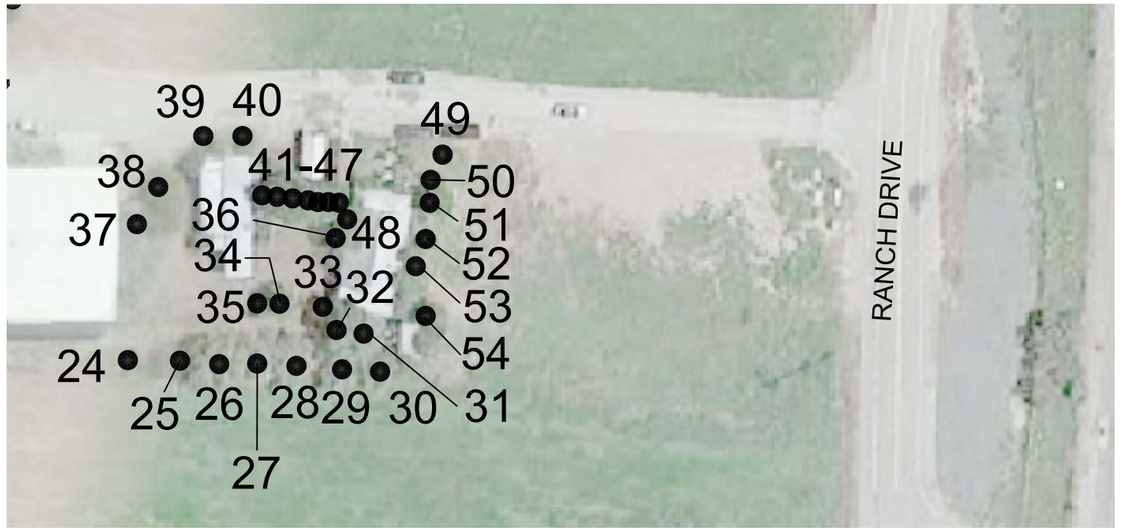
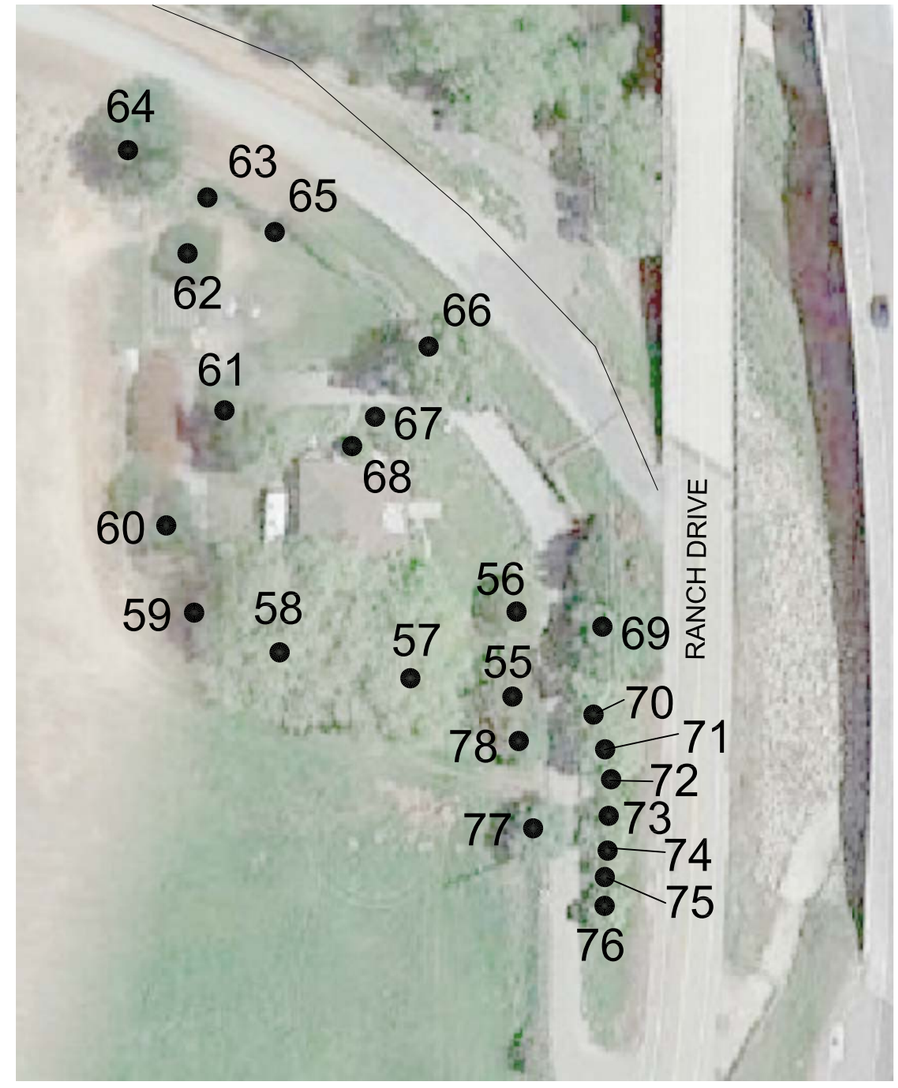


EXHIBIT A - GENERAL TREE LOCATION MAP ENLARGEMENTS



ENLARGEMENT TREES 24-54



ENLARGEMENT TREES 55-78

TREE EVALUATION TABLE

Prepared By: Lisa Harris, ISA Certified Arborist #WE-9977A

DBH MEASUREMENT HEIGHT: 24"

Date of Evaluation:9/18/15

Suitability for Preservation is based on the following

Good - Trees with good health and structural stability that have the potential for longevity at the site.

Moderate - Trees in somewhat declining health and/or exhibits structural defects that cannot be abated with treatment. Trees will require more intense management and will have a shorter lifespan than those in the 'Good' category.

Poor - Trees in poor health or with significant structural defects that cannot be mitigated. Tree is expected to decline, regardless of treatment.

Health Rating

5	A healthy, vigorous tree, reasonably free of disease, with good structure and form typical of the species.
4	A tree with slight decline in vigor, small amount of twig dieback, minor structural defects that could be corrected.
3	A tree with moderate vigor, moderate twig and small branch dieback, thinning of crown, poor leaf color, moderate structural defects that may that might be mitigated with care.
2	A tree in decline, epicormic growth, extensive dieback of medium to large branches, significant structural defects that cannot be abated.
1	A tree in severe decline, dieback of scaffold branches and or trunk, mostly epicormic growth; extensive structural defects that cannot be abated.
0	Tree is dead.

Abbreviations and Definitions

CD	Codominant branches	Forked branches nearly the same size in diameter, arising from a common junction an lacking a normal branch union.
CDB	Dieback in Crown	Condition where branches in the tree crown die from the tips toward the center.
DB	Dieback	Progressive death of twigs and branches which generally starts at the tip
DBH	Diameter at Breast Height	Measurement of tree diameter in inches. Measurement height varies by City and is noted above.
FB	Fireblight	A disease in fruit trees resulting in burnt looking foliage.
H	Hazardous	A tree that in it's current condition, presents a hazard.
HD	Headed	Poor pruning practice of cutting back branches. Often practiced under utility lines to limit tree height.
IB	Included Bark	Structural defect where bark is included between the branch attachment so the wood can't join. Such defect can have a higher probability of failure.
LN	Leaning Tree	Tree leaning, see notes for severity.
MS	Multi-stem	A tree having 2 or more trunks, either originating at grade or branching after DBH height measurement.
ND	Nitrogen Deficiency	Deficiency often resulting in lack of growth and yellow or pale green leaves.
PA	Planting Area	
S	Suckers	Shoot arising from the roots.
SC	Soil Compaction	Compaction of soil around tree root system which can damage vitality.
SD	Structural Defects	Naturally or secondary conditions including cavities, poor branch attachments, cracks, or decayed wood in any part of the tree that may contribute to structural failure.
SR	Surface Roots	Roots visible at finished grade.
SS	Sunscald	Injury to bark tissues on the trunk/branches caused by rapid temperature changes
NT	Not Tagged	Tree not tagged due to small DBH, lack of access or stability concerns.
	Ordinance Tree	A tree defined in this section herein below and whose removal or topping is covered by and subject to the provisions of chapter 13. Ordinance tree means any live or dead woody perennial plant characterized by having a main stem or trunk which measures 56" or more in circumference at a height of 24" above natural grade slope. A multi-trunk tree shall be considered a single tree and measurement of that tree shall include the sum of the circumference of the trunks of that tree at a height of 24" above natural grade slope. "Tree" shall include the plural of that term" (13.32.020).

TREE #	BOTANICAL NAME	COMMON NAME	MS DBH	TOTAL DBH	CIRCUMF-ERENCE	(CIR. ≥ 56") ORDINANCE TREE	LOCATION	NATIVE	HEALTH	PRESERVAT-ION SUITABILITY	NOTES	RECOMMENDATIONS
1	Acer negundo californicum	California Box Elder		10.0	31		SW property corner off Ranch Drive	yes	3	Good	general area of trees 1-5 not accessible due to dense brush growth. NT	monitor for vigor in the spring
2	Acer negundo californicum	California Box Elder		5.0	16		SW property corner off Ranch Drive	yes	3	Moderate	NT	monitor for vigor in the spring
3	Acer negundo californicum	California Box Elder		10.0	31		SW property corner off Ranch Drive	yes	2	Poor	NT Covered in mistletoe, otherwise leafless, appears to have extensive DB	monitor for vigor in the spring
4	Sambucus caerulea	Blue Elderberry		16.0	50		SW property corner off Ranch Drive	no	3	Moderate	NT shrubby weeping habit	
5	Acer negundo californicum	California Box Elder	2"x4	8.0	25		SW property corner off Ranch Drive	yes	3	Moderate	NT	monitor for vigor in the spring
6	Jacaranda mimosifolia	Jacaranda		4.6	14		E side of gravel drive	no	4	Good	NT irrigated via drip system, slight LN	prune
7	Pistacia chinensis	Chinese pistache		6.2	19		E side of gravel drive	no	4	Good	NT irrigated via drip system, slight LN	prune
8	Jacaranda mimosifolia	Jacaranda		9.8	31		E side of gravel drive	no	3	Moderate	irrigated via drip system, curving trunk, LN	prune
9	Liquidambar styraciflua	Sweet Gum		5.5	17		E side of gravel drive	no	3	Moderate	tagged on tree stake, drooping branches, irregular habit, irrigated	prune
10	Prunus persica	Peach		6.1	19		E side of gravel drive	no	1	Moderate	planted as a fruit bearing tree, severe decay, near death, limb is leaning on brick	tree is not a danger and can remain if it is useful to the current site conditions.
11	Prunus persica	Peach		4.0	13		E side of gravel drive	no	4	Moderate	NT, leaf curl, low branching Measured before tree fork.	tree is not a danger and can remain if it is useful to the current site conditions.

TREE #	BOTANICAL NAME	COMMON NAME	MS DBH	TOTAL DBH	CIRCUMF-ERENCE	(CIR. ≥ 56") ORDINANCE TREE	LOCATION	NATIVE	HEALTH	PRESERVAT-ION SUITABILITY	NOTES	RECOMMENDATIONS
12	Prunus persica	Peach		6.4	20		E side of gravel drive	no	1	Moderate	severe decay, poor structure	tree is not a danger and can remain if it is useful to the current site conditions.
13	Prunus persica	Peach		4.0	13		E side of gravel drive	no	4	Moderate	NT, leaf curl, low branching Measured before tree fork.	tree is not a danger and can remain if it is useful to the current site conditions.
14	Prunus persica	Peach		4.0	13		E side of gravel drive	no	1	Moderate	severe decay, poor structure	tree is not a danger and can remain if it is useful to the current site conditions.
15	Prunus persica	Peach	7.3+8	15.3	48		E side of gravel drive	no	1	Moderate	hollow decaying base	tree is not a danger and can remain if it is useful to the current site conditions.
16	Quercus agrifolia	Coast Live Oak		12.7	40		E side of gravel drive	yes	3	Moderate	slight LN, low branching, flat topped, wound at base	
17	Quercus agrifolia	Coast Live Oak		10.0	31		at end of gravel drive	yes	4	Moderate	In tight cluster with trees 18 and 19. All are low branching, shrubby forms, growing on a mound of dirt.	
18	Quercus agrifolia	Coast Live Oak		6.0	19		at end of gravel drive	yes	4	Moderate	See tree #17 notes	
19	Quercus agrifolia	Coast Live Oak		14.0	44		at end of gravel drive	yes	4	Moderate	NT, see tree #17 notes	
20	Quercus agrifolia	Coast Live Oak		4.0	13		at end of gravel drive	yes	4	Moderate	NT growing in tight cluster with tree 21 on a	
21	Quercus agrifolia	Coast Live Oak		7.0	22		at end of gravel drive	yes	4	Moderate	NT, see tree #20 notes	

TREE #	BOTANICAL NAME	COMMON NAME	MS DBH	TOTAL DBH	CIRCUMF-ERENCE	(CIR. ≥ 56") ORDINANCE TREE	LOCATION	NATIVE	HEALTH	PRESERVAT-ION SUITABILITY	NOTES	RECOMMENDATIONS
22	Sambucus caerulea	Blue Elderberry		12.0	38		at end of gravel drive near bee boxes	no	3	Moderate	NT, low branching shrubby habit	
23	Fraxinus uhdei	Shamel Ash		30.0	94	yes	NW corner of greenhouse bldg.	no	3	Moderate	IB at base and poor branching pattern, very close to structure	
24	Prunus species	Cherry		6.0	19		along E side of house and trailers	no	3	Moderate	NT, low branching shrubby habit, not accessible	
25	Olea europaea	European Olive	12+1+2+3+3+3+10	34.0	107	yes	along E side of house and trailers	no	4	Moderate	trees #25-30 are fruit bearing olives, typical specimen of the species-low branching MS	
26	Olea europaea	European Olive	4.5+7	11.5	36		along E side of house and trailers	no	4	Moderate		
27	Olea europaea	European Olive	7+6+1+1+1	16.0	50		along E side of house and trailers	no	4	Moderate		
28	Olea europaea	European Olive	4.5+6.7+1+2+3+5	22.2	70	yes	along E side of house and trailers	no	4	Moderate		
29	Olea europaea	European Olive	10+2+1+1+1+2	16.0	50		along E side of house and trailers	no	4	Moderate		
30	Olea europaea	European Olive	11+1+1	13.0	41		along E side of house and trailers	no	4	Moderate		
31	Ligustrum lucidum	Glossy Privet	2.5+3	5.5	17		E side of house	no	3	Poor	volunteer tree with a low crotch	

TREE #	BOTANICAL NAME	COMMON NAME	MS DBH	TOTAL DBH	CIRCUMF-ERENCE	(CIR. ≥ 56") ORDINANCE TREE	LOCATION	NATIVE	HEALTH	PRESERVAT-ION SUITABILITY	NOTES	RECOMMENDATIONS
32	Juniperus species	Juniper		11.0	35		E side of house	no	2	Poor	severe LN	
33	Ligustrum lucidum	Glossy Privet	6.6+2+7	15.6	49		E side of house	no	1	Poor	at house foundation	remove
34	Lagerstroemia indica	Crape Myrtle	4+4+4	12.0	38		yard between house and trailer	no	4	Moderate	NT, low branching,MS specimen	prune
35	Podocarpus gracilior	Fern Pine		5.0	16		yard between house and trailer	no	3	Moderate	low branching	prune to improved structure
36	Ligustrum lucidum	Glossy Privet	6.5+4.7	11.2	35		yard between house and trailer	no	2	Poor	NT	
37	Schinus Molle	Peruvian Pepper		12.3	39		yard between house and trailer	no	3	Moderate	LN, covered with spiders	
38	Ligustrum lucidum	Glossy Privet	4+4+3	11.0	35		yard between house and trailer	no	4	Moderate	low branching	
39	Ligustrum lucidum	Glossy Privet		4.8	15		front of trailer	no	3	Poor	low branching	
40	Ligustrum lucidum	Glossy Privet		4.8	15		front of trailer	no	3	Poor		
41	Ligustrum lucidum	Glossy Privet		13.0	41			no	3	Poor		
42	Ligustrum lucidum	Glossy Privet		12.0	38			no	3	Poor		
43	Ligustrum lucidum	Glossy Privet	8+7+7	22.0	69	yes		no	3	Poor		

TREE #	BOTANICAL NAME	COMMON NAME	MS DBH	TOTAL DBH	CIRCUMF-ERENCE	(CIR. ≥ 56") ORDINANCE TREE	LOCATION	NATIVE	HEALTH	PRESERVAT-ION SUITABILITY	NOTES	RECOMMENDATIONS
44	Ligustrum lucidum	Glossy Privet		14.0	44		front of yard between house and trailer	no	3	Poor	Trees #41-47 are growing as a tightly clustered hedge	
45	Ligustrum lucidum	Glossy Privet		12.0	38			no	3	Poor		
46	Ligustrum lucidum	Glossy Privet		12.0	38			no	3	Poor		
47	Ligustrum lucidum	Glossy Privet		10.0	31			no	3	Poor		
48	Ligustrum lucidum	Glossy Privet	5+7	12.0	38		close to house foundation	no	2	Poor	growing close to house foundation	remove
49	Pistacia chinensis	Chinese pistache		7.2	23		house front yard grass	no	4	Moderate		
50	Ligustrum lucidum	Glossy Privet		8.0	25		S side of house, grass	no	1	Poor		remove
51	Pseudotsuga menziesii	Douglas Fir		5.4	17		S side of house, grass	no	1	Poor		remove
52	Ligustrum lucidum	Glossy Privet		5.1	16		S side of house, close to house	no	1	Poor	volunteer	remove
53	Ligustrum lucidum	Glossy Privet		7.3	23		S side of house, close to house	no	2	Poor		
54	Ligustrum lucidum	Glossy Privet	3+3+3+3+3+3+1	19.0	60	yes	S side of house, close to house	no	2	Poor		
55	Sequoia sempervirens	Coast Redwood		39.0	122	yes	1657 Ranch Dr. yard	no	4	Good	upright sizeable tree in good health	
56	Lagerstroemia indica	Crape Myrtle	8.1+6+8+8	30.1	95	yes	1657 Ranch Dr. yard	no	4	Moderate	nice specimen, low branching, slightly stressed, likely due to drought	

TREE #	BOTANICAL NAME	COMMON NAME	MS DBH	TOTAL DBH	CIRCUMF-ERENCE	(CIR. ≥ 56") ORDINANCE TREE	LOCATION	NATIVE	HEALTH	PRESERVAT-ION SUITABILITY	NOTES	RECOMMENDATIONS
57	Platanus acerifolia	London Plane		47.0	148	yes	1657 Ranch Dr. yard	no	5	Good	beautiful tree, limbs overhang the house	monitor branches, prune to avoid limb drop onto structure
58	Platanus acerifolia	London Plane		52.5	165	yes	1657 Ranch Dr. yard	no	4	Good		remove ivy from tree, monitor branches, prune to avoid limb drop onto structure
59	Quercus agrifolia	Coast Live Oak		13.0	41		1657 Ranch Dr. yard	yes	3	Moderate	slight LN, upright form, large cankers apparent on trunk	
60	Ligustrum lucidum	Glossy Privet		16.5	52		1657 Ranch Dr. yard	no	2	Poor	severe leaf scale	
61	Umbellularia californica	California Bay Laurel		37.0	116	yes	1657 Ranch Dr. yard, asphalt drive	yes	4	Moderate	severe aphid infestation	spray off foliage, prune out any heavily infested areas as a first measure. Additional measures may be necessary to control
62	Prunus species	Cherry	8.1+5.9+5.4+6.5+9	34.9	110	yes	1657 Ranch Dr. yard	no	3	Moderate	leaf curl, low crotch	tree is not a danger and can remain if it is useful to the current site conditions.
63	Malus species	Apple		7.6	24		1657 Ranch Dr. yard	no	1	Poor	fruit bearing	tree is not a danger and can remain if it is useful to the current site conditions.
64	Juglans californica	California Walnut		20.0	63	yes	SCVWD slope behind chain link fence	yes	4	Good	NT	
65	Malus species	Apple		6.0	19		1657 Ranch Dr. yard	no	3	Poor	fruit bearing	tree is not a danger and can remain if it is useful to the current site conditions.

TREE #	BOTANICAL NAME	COMMON NAME	MS DBH	TOTAL DBH	CIRCUMF-ERENCE	(CIR. ≥ 56") ORDINANCE TREE	LOCATION	NATIVE	HEALTH	PRESERVAT-ION SUITABILITY	NOTES	RECOMMENDATIONS
66	Platanus acerifolia	London Plane	24+23.8	47.8	150	yes	1657 Ranch Dr. yard	no	4	Good	low forking tree with aged trunk, sooty mold	
67	Malus species	Apple		4.0	13		1657 Ranch Dr. yard	no	0	Poor	measured low	remove
68	Camellia species	Camellia	3.7+3+3+3	12.7	40		1657 Ranch Dr. yard, near front door	no	4	Moderate		
69	Quercus agrifolia	Coast Live Oak		16.0	50		near 1657 Ranch Dr. yard behind chain link fence	yes	4	Good	NT, not accessible	
70	Sambucus caerulea	Blue Elderberry	3+3+3+8+10+12	39.0	122	yes	in corner of fencing near gate to 1657 Ranch Dr.	no	3	Moderate	low branching	
71	Platanus acerifolia	London Plane		8.2	26		along S side of drive to 1657 Ranch Drive	no	3	Moderate	Planted in a row with trees #71-76, covered by canopy of tree #70	
72	Platanus acerifolia	London Plane		6.6	21			no	3	Moderate		
73	Platanus acerifolia	London Plane	11.7+11.7	23.4	73	yes		no	4	Good		
74	Platanus acerifolia	London Plane		10.3	32			no	4	Good		
75	Platanus acerifolia	London Plane		5.8	18			no	3	Moderate	irregular uneven habit	prune
76	Platanus acerifolia	London Plane		8.2	26			no	4	Moderate		prune
77	Sambucus caerulea	Blue Elderberry	12+4+14	30.0	94	yes	corner near gate to 1657 Ranch Dr.	no	2	Poor	low branching, dead canopy	
78	Sambucus caerulea	Blue Elderberry	7+3+3	13.0	41		corner near gate to 1657 Ranch Dr.	no	3	Moderate		

TREE #	BOTANICAL NAME	COMMON NAME	MS DBH	TOTAL DBH	CIRCUMF-ERENCE	(CIR. ≥ 56") ORDINANCE TREE	LOCATION	NATIVE	HEALTH	PRESERVAT-ION SUITABILITY	NOTES	RECOMMENDATIONS
79	Sambucus caerulea	Blue Elderberry	3+3+3+3+3+3+8	24.0	75	yes	near 1657 Ranch Dr. mailbox	no	3	Poor		
80	Juglans californica	California Walnut	6+6+6	18.0	57	yes	N property boundary	yes	2	Poor	severe DB, decline	remove
81	Acer negundo californicum	California Box Elder	16+10+10+9	45.0	141	yes	N property boundary	yes	0	Poor	previously tagged #134	remove
82	Acer negundo californicum	California Box Elder		11.0	35		N property boundary	yes	0	Poor	previously tagged #133, next to tree #81	remove
83	Acer negundo californicum	California Box Elder		20.0	63	yes	N property boundary	yes	0	Poor	NT	remove
84	Acer negundo californicum	California Box Elder	18+8+8	34.0	107	yes	N property boundary	yes	0	Poor	NT	remove. Judging from the many fallen trees in the area, tree is a risk to fall soon as are most in this area of the site
85	Juglans californica	California Walnut		6.0	19		N property boundary	yes	2	Poor	NT, stressed	remove
86	Acer negundo californicum	California Box Elder		10.0	31		N property boundary	yes	0	Poor	NT	remove
87	Acer negundo californicum	California Box Elder		10.0	31		N property boundary	yes	0	Poor	NT	remove
88	Acer negundo californicum	California Box Elder	4+4+3	12.0	38		N property boundary	yes	0	Poor	NT, in cluster with trees #89, 90	remove
89	Acer negundo californicum	California Box Elder	6+2+7	15.0	47		N property boundary	yes	0	Poor	NT	remove
90	Acer negundo californicum	California Box Elder	7+7	14.0	44		N property boundary	yes	0	Poor	NT	remove
91	Populus fremontii	Fremont's Cottonwood	6+6	12.0	38		N property boundary	yes	2	Poor	low branching MS	remove
92	Populus fremontii	Fremont's Cottonwood	3+3+3+3+6	18.0	57	yes	N property boundary	yes	1	Poor	severe decay	remove
93	Populus fremontii	Fremont's Cottonwood	2+2+4	8.0	25		N property boundary	yes	0	Poor	low branching MS	remove
94	Populus fremontii	Fremont's Cottonwood	6+6+6+6	24.0	75	yes	N property boundary	yes	0	Poor	low branching MS	remove

TREE #	BOTANICAL NAME	COMMON NAME	MS DBH	TOTAL DBH	CIRCUMF-ERENCE	(CIR. ≥ 56") ORDINANCE TREE	LOCATION	NATIVE	HEALTH	PRESERVAT-ION SUITABILITY	NOTES	RECOMMENDATIONS
95	Populus fremontii	Fremont's Cottonwood	6+7+8	21.0	66	yes	N property boundary	yes	0	Poor	low branching MS	remove

TREE #	BOTANICAL NAME	COMMON NAME	MS DBH	TOTAL DBH	CIRCUMF-ERENCE	(CIR. ≥ 56") ORDINANCE TREE	LOCATION	NATIVE	HEALTH	PRESERVAT-ION SUITABILITY	NOTES	RECOMMENDATIONS
Offsite trees												

Trees along the western property edge and S perimeter adjoining the electrical facility were not included in the survey. See tree location map for general locations. Species consist of roughly 100 Peruvian Pepper and a mixture of roughly 75 Pine, London Plane, and Elderberry. These trees may be on the adjacent property owner's parcel. Ownership should be verified prior to any action.