

# **TOWN OF WINDSOR JAGUAR WAY EXTENSION PROJECT**

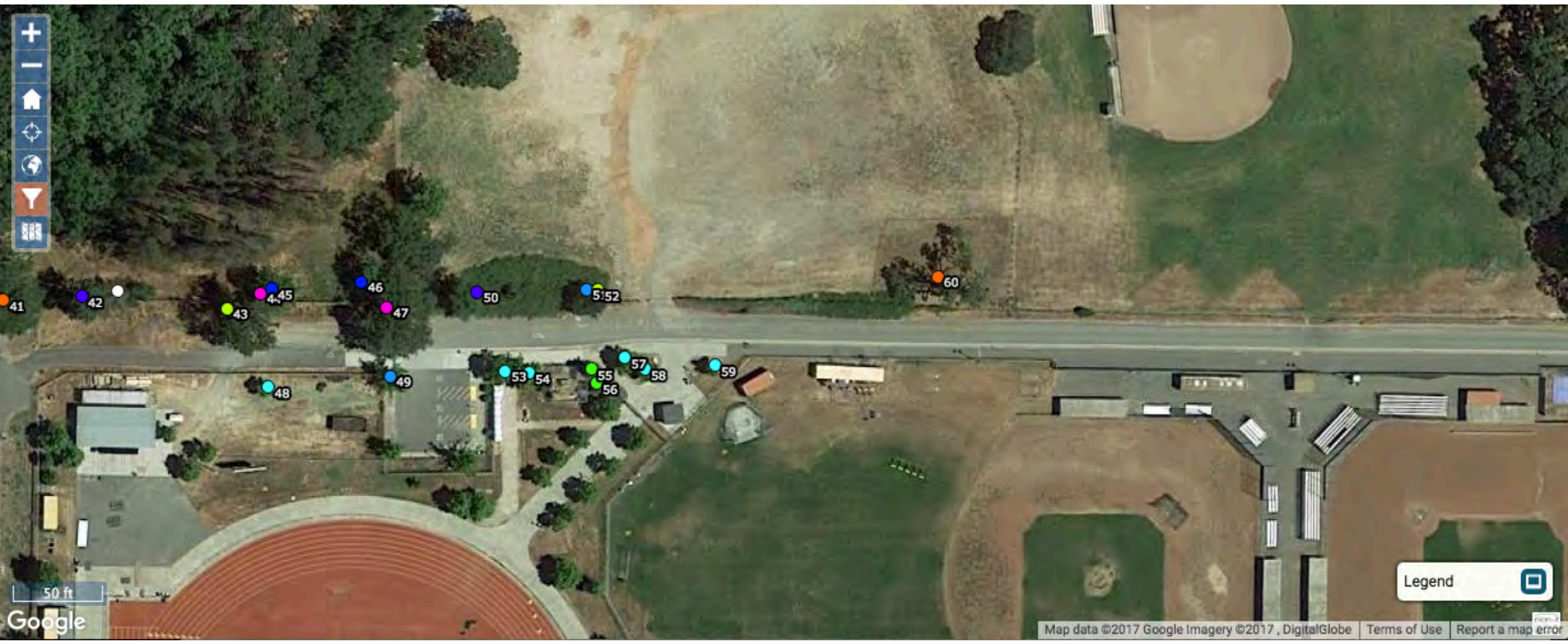
## **APPENDIX A TREE SURVEY**

**PREPARED BY:**

Merlin Arborist Group  
ISA Board Certified Master Arborist WE-7670B  
Registered Consulting Arborist #687  
ISA Tree Risk Assessor Qualified (TRAQ)  
CA Licensed Contractor #1008824  
[www.merlinarboristgroup.com](http://www.merlinarboristgroup.com)

November 7, 2017





50 ft

Google

Legend

Map data ©2017 Google Imagery ©2017, DigitalGlobe Terms of Use Report a map error



Precious Bottom

50 ft

Google

Legend

Map data ©2017 Google Imagery ©2017, DigitalGlobe Terms of Use Report a map error



- Legend
- Acacia (2)
  - Black oak (14)
  - Black walnut
  - Blue Oak (28)
  - Coast redwood (27)
  - Coastal live oak (4)
  - Cottonwood (3)
  - London planetree (6)
  - Oregon Ash (9)
  - Oregon Oak (4)
  - Red oak (2)
  - Tulip tree (11)
  - Valley oak (9)
  - Willow (8)
  - Not Specified (2)

Merlin Arborist Group. Jaguar Way Extension Tree Survey. 11/09/2017

Tree Id	Common Name	Latin Name	DBH	Health	Structure	Observations-Characteristics	Observation Comments
1	Blue Oak	<i>Quercus douglasii</i>	38	Good	Poor	Co-dominant Limbs, Crack, Included Bark, Weak attachments	Included fencing
2	Blue Oak	<i>Quercus douglasii</i>	16	Good	Fair	Co-dominant Limbs	
3	Black oak	<i>Quercus kelloggii</i>	17	Poor	Poor	Cavity, Deadwood, Epicormic shoots	Retrenching, decay at base
4	Blue Oak	<i>Quercus douglasii</i>	26	Good	Fair	Co-dominant Limbs	
5	Black oak	<i>Quercus kelloggii</i>		Good	Fair	Co-dominant tree, Supressed Tree, Topped, Trunk Leaning (W)	
6	Blue Oak	<i>Quercus douglasii</i>	17	Good	Fair	Co-dominant Limbs, Trunk Leaning (S), Weak attachments	
7	Black oak	<i>Quercus kelloggii</i>	11	Good	Good	Deadwood, Supressed Tree, Trunk Leaning (E)	
8	Black oak	<i>Quercus kelloggii</i>	23	Good	Good	Deadwood	
9	Black oak	<i>Quercus kelloggii</i>	14	Good	Good	Supressed Tree	
10	Black oak	<i>Quercus kelloggii</i>	14	Good	Good	Trunk Leaning (S)	
11	Black oak	<i>Quercus kelloggii</i>	24	Good	Good	Deadwood, Dominant tree	
12	Valley oak	<i>Quercus lobata</i>	8	Good	Good	Supressed Tree	
13	Valley oak	<i>Quercus lobata</i>	23	Good	Good	Dominant tree, Trunk Leaning (S)	
14	Black oak	<i>Quercus kelloggii</i>	8	Good	Good	Over pruned, Supressed Tree, Trunk Leaning (W)	
15	Valley oak	<i>Quercus lobata</i>	31	Good	Good	Deadwood, Dominant tree	Previously tagged as 231
16	Black oak	<i>Quercus kelloggii</i>	5	Good	Good	Supressed Tree, Trunk Leaning (S)	
17	Oregon Ash	<i>Fraxinus latifolia</i>	7	Good	Fair	Co-dominant Limbs, Vine growth	
18	Oregon Ash	<i>Fraxinus latifolia</i>	8	Good	Good	Deadwood, Vine growth	
19	Valley oak	<i>Quercus lobata</i>	14	Good	Good	Deadwood, Trunk Leaning (E)	
20	Valley oak	<i>Quercus lobata</i>	8	Good	Good	Deadwood, Trunk Leaning (S), Vine growth	
21	Oregon Ash	<i>Fraxinus latifolia</i>		Good	Fair	Co-dominant tree	

Merlin Arborist Group. Jaguar Way Extension Tree Survey. 11/09/2017

22	Valley oak	<i>Quercus lobata</i>	12	Good	Good		
23	Oregon Ash	<i>Fraxinus latifolia</i>	4	Good	Good	Supressed Tree, Trunk Leaning (S)	
24	Oregon Ash	<i>Fraxinus latifolia</i>	5	Good	Good	Cavity	
25	Willow	<i>Salix species</i>		Good	Fair	Broken Limb	In creek
26	Willow	<i>Salix species</i>		Good	Fair	Broken Limb, Co-dominant tree	In creek
27	Willow	<i>Salix species</i>	5	Good	Fair	Co-dominant Limbs, Trunk Leaning (W)	In creek at high water, leaning at base
28	Willow	<i>Salix species</i>	6	Good	Good		In creek
29	Willow	<i>Salix species</i>	7	Good	Good	Co-dominant Limbs	In creek
30	Willow	<i>Salix species</i>		Good	Fair	Leaning Trunk	In creek, leaning/spreading all directions
31	Willow	<i>Salix species</i>		Good		Broken Limb, Deadwood, Epicormic shoots, Leaning Trunk	Leaning all directions, in creek
32	Oregon Ash	<i>Fraxinus latifolia</i>	4	Good	Excellent		
33	Willow	<i>Salix species</i>	6	Good	Fair	Co-dominant Limbs, Epicormic shoots, Leaning Trunk, Trunk Leaning (W)	In creek at high water
34	Black oak	<i>Quercus kelloggii</i>	8	Good	Fair	Cavity, Vine growth	Stumpsprout
35	Black oak	<i>Quercus kelloggii</i>	7	Good	Fair	Cavity, Supressed Tree	Stumpsprout
36	Cottonwood	<i>Populus species</i>	7	Good	Good	Co-dominant Limbs	D@ 3'
37	Cottonwood	<i>Populus species</i>	7	Good	Good		
38	Cottonwood	<i>Populus species</i>	6	Good	Good	Trunk Leaning (S)	Growing in asphalt
39	Oregon Ash	<i>Fraxinus latifolia</i>	4	Good	Good		
40	Black oak	<i>Quercus kelloggii</i>	12	Good	Good	Deadwood, Supressed Tree, Trunk Leaning (S)	
41	Black oak	<i>Quercus kelloggii</i>	25	Good	Fair	Cavity, Co-dominant tree, Deadwood, Vine growth	D@2'
42	Oregon Oak	<i>Quercus garryana</i>	13	Good	Fair	Co-dominant Limbs	
43	Blue Oak	<i>Quercus douglasii</i>	22	Good	Good		
44	Valley oak	<i>Quercus lobata</i>	10	Good	Good	Trunk Leaning (W)	

Merlin Arborist Group. Jaguar Way Extension Tree Survey. 11/09/2017

45	Oregon Ash	<i>Fraxinus latifolia</i>	16	Good	Fair	Co-dominant tree, Included Bark	
46	Oregon Ash	<i>Fraxinus latifolia</i>	11	Good	Good	Trunk Leaning (N)	
47	Valley oak	<i>Quercus lobata</i>	27	Good	Good	Co-dominant tree	Fencing grown into tree
48	London planetree	<i>Platanus hybrida</i>	5	Good	Fair	Trunk Leaning (S)	
49	Red oak	<i>Quercus rubra</i>	6	Good	Good		
50	Oregon Oak	<i>Quercus garryana</i>	11	Good	Good	Co-dominant Limbs	
51	Red oak	<i>Quercus rubra</i>	6	Good	Good		Shares base with tree 52
52	Blue Oak	<i>Quercus douglasii</i>	10	Good	Fair	Co-dominant Limbs, Included Bark, Trunk Leaning (E)	Shares base with tree 51
53	London planetree	<i>Platanus hybrida</i>	7	Good	Good	Co-dominant Limbs	
54	London planetree	<i>Platanus hybrida</i>	7	Good	Excellent		
55	Coast redwood	<i>Sequoia sempervirens</i>	8	Good	Excellent		
56	Coast redwood	<i>Sequoia sempervirens</i>	5	Good	Excellent		
57	London planetree	<i>Platanus hybrida</i>	5	Good	Excellent		
58	London planetree	<i>Platanus hybrida</i>	5	Good	Excellent		
59	London planetree	<i>Platanus hybrida</i>	4	Good	Excellent		
60	Black oak	<i>Quercus kelloggii</i>	42	Poor	Poor	Broken Limb, Cavity, Deadwood, Over pruned	Burrowing animals near root base
61	Blue Oak	<i>Quercus douglasii</i>	27	Good	Good	Co-dominant tree, Trunk Leaning (S)	
62	Blue Oak	<i>Quercus douglasii</i>	35	Good	Fair	Co-dominant tree, Included Bark	Diameter at 2.5 feet
63	Blue Oak	<i>Quercus douglasii</i>	32	Good	Fair	Weak attachments	
64	Blue Oak	<i>Quercus douglasii</i>	41	Fair	Fair	Cavity, Co-dominant tree, Deadwood, Epicormic shoots, Over pruned	Retrenching
65	Blue Oak	<i>Quercus douglasii</i>	14	Good	Good	Supressed Tree, Trunk Leaning (S)	Shares base with tree 66
66	Blue Oak	<i>Quercus douglasii</i>	22	Good	Good	Supressed Tree, Trunk Leaning (S)	Shares base with tree 65



Merlin Arborist Group. Jaguar Way Extension Tree Survey. 11/09/2017

67	Blue Oak	<i>Quercus douglasii</i>	22	Good	Good	Over pruned, Trunk Leaning (S)	Habitat tree
68	Blue Oak	<i>Quercus douglasii</i>	28	Good	Fair	Co-dominant Limbs	
69	Coast redwood	<i>Sequoia sempervirens</i>	14	Good	Excellent		
70	Coast redwood	<i>Sequoia sempervirens</i>	13	Good	Excellent		
71	Coast redwood	<i>Sequoia sempervirens</i>	12	Good	Excellent		
72	Coast redwood	<i>Sequoia sempervirens</i>	13	Good	Excellent		
73	Coast redwood	<i>Sequoia sempervirens</i>	16	Good	Excellent		
74	Tulip tree	<i>Liriodendron tulipifera</i>	9	Good	Poor		
75	Blue Oak	<i>Quercus douglasii</i>	6	Good	Good		
76	Blue Oak	<i>Quercus douglasii</i>	6	Good	Fair	Co-dominant tree, Included Bark, Weak attachments	
77	Coastal live oak	<i>Quercus agrifolia</i>		Good	Fair	Co-dominant tree, Included Bark	
78	Blue Oak	<i>Quercus douglasii</i>	16	Good	Good	Trunk Leaning (W)	
79	Blue Oak	<i>Quercus douglasii</i>	11	Fair	Good	Deadwood, Epicormic shoots, Trunk Leaning (N)	
80	Blue Oak	<i>Quercus douglasii</i>	28	Good	Good	Deadwood	
81	Blue Oak	<i>Quercus douglasii</i>	18	Good	Good	Trunk Leaning (W)	No tag, estimated diameter, private property
82	Blue Oak	<i>Quercus douglasii</i>	20	Excellent	Good	Trunk Leaning (S)	Estimated diameter private property
83	Blue Oak	<i>Quercus douglasii</i>	18	Fair	Fair	Co-dominant tree, Deadwood	No tag estimated diameter private property
84	Coast redwood	<i>Sequoia sempervirens</i>	14	Good	Excellent		
85	Coast redwood	<i>Sequoia sempervirens</i>	13	Good	Excellent		
86	Coast redwood	<i>Sequoia sempervirens</i>	14	Good	Excellent		
87	Tulip tree	<i>Liriodendron tulipifera</i>	6	Good	Poor		
88	Coast redwood	<i>Sequoia sempervirens</i>	14	Good	Excellent		

Merlin Arborist Group. Jaguar Way Extension Tree Survey. 11/09/2017

89	Coast redwood	<i>Sequoia sempervirens</i>	13	Good	Excellent		
90	Coast redwood	<i>Sequoia sempervirens</i>	13	Good	Excellent		
91	Coast redwood	<i>Sequoia sempervirens</i>	15	Good	Excellent		
92	Blue Oak	<i>Quercus douglasii</i>	22	Good	Good		No tag estimated diameter private property
93	Blue Oak	<i>Quercus douglasii</i>	30	Good	Good	Deadwood, Vine growth	Estimated diameter private property
94	Tulip tree	<i>Liriodendron tulipifera</i>	7	Good	Good		
95	Tulip tree	<i>Liriodendron tulipifera</i>	10	Good	Good	Co-dominant Limbs	
96	Tulip tree	<i>Liriodendron tulipifera</i>	8	Good	Good		
97	Coastal live oak	<i>Quercus agrifolia</i>	6	Good	Poor	Co-dominant tree, Included Bark, Weak attachments	Diameter at 3 feet
98	Coastal live oak	<i>Quercus agrifolia</i>	6	Good	Good		No tag estimated diameter no access
99	Coast redwood	<i>Sequoia sempervirens</i>	14	Good	Excellent		
100	Coast redwood	<i>Sequoia sempervirens</i>	15	Good	Excellent		
101	Coast redwood	<i>Sequoia sempervirens</i>	14	Good	Excellent		
102	Coast redwood	<i>Sequoia sempervirens</i>	12	Good	Excellent		
103	Black walnut	<i>Juglans nigra</i>	4	Good	Good	Trunk Leaning (S)	
104	Coast redwood	<i>Sequoia sempervirens</i>	12	Good	Excellent		
105	Coast redwood	<i>Sequoia sempervirens</i>	14	Good	Excellent		
106	Coast redwood	<i>Sequoia sempervirens</i>	14	Good	Excellent		
107	Coast redwood	<i>Sequoia sempervirens</i>	13	Good	Fair	Co-dominant tree, Included Bark, Weak attachments	Diameter measured at 3 feet
108	Coast redwood	<i>Sequoia sempervirens</i>	13	Good	Excellent		

Merlin Arborist Group. Jaguar Way Extension Tree Survey. 11/09/2017

109	Tulip tree	<i>Liriodendron tulipifera</i>	7	Poor	Fair	Co-dominant Limbs, Included Bark	
110	Tulip tree	<i>Liriodendron tulipifera</i>	8	Good	Excellent		
111	Blue Oak	<i>Quercus douglasii</i>	41	Good	Good	Broken Limb, Cavity, Deadwood	PG&E clearance pruned
112	Coastal live oak	<i>Quercus agrifolia</i>	4	Good	Good		Growing into fence
113	Tulip tree	<i>Liriodendron tulipifera</i>	6				
114	Acacia	<i>Acacia species</i>		Good	Poor	Co-dominant tree, Included Bark	
115	Blue Oak	<i>Quercus douglasii</i>	35	Poor	Fair	Cavity, Deadwood, Over pruned	Tree is in severe decline
116	Blue Oak	<i>Quercus douglasii</i>	25	Good	Good	Trunk Leaning (E)	
117	Tulip tree	<i>Liriodendron tulipifera</i>	7	Good	Good		
118	Coast redwood	<i>Sequoia sempervirens</i>	12	Good	Excellent		
119	Coast redwood	<i>Sequoia sempervirens</i>	14	Good	Excellent		
120	Coast redwood	<i>Sequoia sempervirens</i>	14	Good	Excellent		
121	Coast redwood	<i>Sequoia sempervirens</i>	13	Good	Excellent		
122	Blue Oak	<i>Quercus douglasii</i>	10	Good	Excellent		
123	Valley oak	<i>Quercus lobata</i>	12	Good	Excellent		
124	Tulip tree	<i>Liriodendron tulipifera</i>	7	Fair	Good		
125	Oregon Oak	<i>Quercus garryana</i>	14	Good	Good		
126	Oregon Oak	<i>Quercus garryana</i>	12	Good	Good	Trunk Leaning (W)	
127	Tulip tree	<i>Liriodendron tulipifera</i>	10	Good	Excellent		
128	Acacia	<i>Acacia species</i>		Good	Poor	Co-dominant tree, Included Bark	