

Appendix D: **Biological Resources Supporting Information**

THIS PAGE INTENTIONALLY LEFT BLANK

D.1 - Arborist's Report

THIS PAGE INTENTIONALLY LEFT BLANK

ELNOKA CCRC
SANTA ROSA
ARBORIST'S REPORT

May 19, 2017

Prepared & Submitted for OSL By:

Becky Duckles, ISA Certified Arborist #WE-0796A
8876 Occidental Rd.
Sebastopol, CA.

707 . 829 . 0555 PH 707 . 824 . 0516 FAX

BECKY DUCKLES
CONSULTING ARBORIST & LANDSCAPE ADVISOR
SEBASTOPOL, CA.
707.829.0555 PH.

ELNOKA CCRC – Santa Rosa
ARBORIST'S SUMMARY

May 19, 2017

The following report provides an inventory and evaluations of all trees over 4" diameter (at 54" above grade, unless noted otherwise) on the site of the Elnoka project in Santa Rosa, California, adjacent to Highway 12, that could potentially be impacted by proposed construction. The project site encompasses 68+ acres total. Tree locations are based on the Tree Protection Plan by Brelje & Race dated April 2017; their survey crew had located all trees on site except for some trees within creek setbacks that would remain undisturbed.

The site is gently sloping with a seasonal creek running east/west in the northern quadrant (near Hwy 12), and two other creeks on the west, upper portion. Many native oaks of several species as well as other natives are growing throughout the site. Some ornamentals were planted and are growing at residences on the western section of the site, with a few remnant orchard (apple and pear) trees. The ornamentals vary widely in condition, and are listed individually; some are protected species and some are not.

There are many acacias growing along the creekbeds in the eastern part of the site which have not been included because they are listed as exempt from protection in Santa Rosa's Tree Ordinance. Some non-protected species have been included near the existing residences for clarity during demolition.

All protected (and most non-protected) trees over 4" d.b.h. are included, tagged onsite, their ID numbers relating to the Tree Preservation Plan and the Inventory.

The format of the Arborist's Report – Elnoka CCRC is as follows:

Tree Preservation Plan - Plans titled 'Tree Preservation Plan' showing different sections of the site are submitted with this report showing tree locations by number, for reference in the Tree Inventory & Evaluation.

Tree Evaluation - A listing and discussion (in spreadsheet format) of the trees shown on the Tree Preservation Plan, including the following information:

Number - The number assigned (and as tagged) to a tree for location reference on the Tree Preservation Plan

Species (Common & Botanical Name)

Trunk Diameter – Trunk(s) diameter in inches at 54" above grade (d.b.h.), (unless noted otherwise)

General Condition - Rated Poor to Excellent. General comments about the tree's present condition. 'Poor' or 'Fair' may indicate severe loss of vigor, significant decay, possible disease, sparse foliage, branch dieback, suppressed growth due to competition, etc.

Structural Integrity - Rated Poor to Excellent, with specific comments regarding canopy development or angle of lean, significant defects, hazards or problems, etc.

Recommendations - Specific comments regarding tree potential for preservation, removal (if necessary for hazard reduction or adjacent tree health), and individual protection measures.

There are 1663 trees surveyed by the crew on this site. Many more within creek setbacks which would never be disturbed were not included in the survey or this inventory. Of these surveyed trees, we numbered, tagged, identified, measured, evaluated and discussed potential impact on 866 trees included in our inventory. Of those, 30 trees to be removed are not protected species; including Hollywood juniper, Monterey cypress, Monterey pine, and one flowering hawthorn. Of more than 1663 trees, 409 trees of protected species are proposed to be removed and mitigated. The project landscape architects are preparing mitigation calculations and landscape improvement plans which would provide hundreds of new trees, including many native oaks and many large specimens.

During the development of the improvement plans, I will continue to work closely with the project developer, landscape architect and engineers to refine solutions for preserving the existing trees on site.

Respectfully submitted,

Becky Duckles

Becky Duckles, Project Arborist
ISA Certified Consulting Arborist #WE-0796A

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
1	Coast Live Oak/ <i>Quercus agrifolia</i>	13" @ 2.5'	Good	Fair	To be preserved; outside zone of construction impact
2	Black Walnut/ <i>Juglans nigra</i>	8, 8, 18"	Fair	Poor	To be preserved; protected tree
3	Olive/ <i>Olea europaea</i>	17"	Excellent	Excellent	To be removed; can be transplanted; not a protected species
4	Douglas Fir/ <i>Pseudotsuga menziesii</i>	29"	Good	Excellent	To be preserved; outside zone of construction impact
5	Valley Oak/ <i>Quercus lobata</i>	10"	Good	Fair	To be preserved; outside zone of construction impact
6	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; outside zone of construction impact
7	Black Oak/ <i>Quercus kelloggii</i>	11"	Good	Fair	To be preserved; outside zone of construction impact
8	Valley Oak/ <i>Quercus lobata</i>	31"	Good	Good	To be preserved; outside zone of construction impact
9	Valley Oak/ <i>Quercus lobata</i>	30" @ 3'	Good	Good	To be preserved; outside zone of construction impact
10	Madrone/ <i>Arbutus menziesii</i>	27" @ 2' 19" @ 2'	Good	Good	To be preserved; will need clearance pruning and deadwood removal; minimize grading within root zone
11	Douglas Fir/ <i>Pseudotsuga menziesii</i>	36"	Good	Fair	To be preserved; minimize excavation for retaining wall within rootzone
12	Madrone/ <i>Arbutus menziesii</i>	9"	Good	Fair	To be preserved; outside zone of construction impact
13	Valley Oak/ <i>Quercus lobata</i>	29"	Good	Good	To be preserved; outside zone of construction impact
14	California Buckeye/ <i>Aesculus californica</i>	11"	Good	Good	To be preserved; outside zone of construction impact
15	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Fair	To be preserved; outside zone of construction impact
16	Valley Oak/ <i>Quercus lobata</i>	22"	Good	Good	To be preserved; will need clearance pruning; minimize retaining wall excavation within rootzone
17	Valley Oak/ <i>Quercus lobata</i>	27"	Good	Good	To be preserved; will need clearance pruning; minimize retaining wall excavation within rootzone
18	Pine/ <i>Pinus sp.</i>	40"	Good	Good	To be removed; not a protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
19	Valley Oak/ <i>Quercus lobata</i>	28"	Excellent	Excellent	To be removed; protected tree
20	Valley Oak/ <i>Quercus lobata</i>	29"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone
21	Valley Oak/ <i>Quercus lobata</i>	15, 16"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone
22	Valley Oak/ <i>Quercus lobata</i>	17"	Fair	Fair	To be preserved; hollow lower trunk; will need clearance pruning; reassess prior to construction
23	Valley Oak/ <i>Quercus lobata</i>	23"	Good	Good	To be preserved; minimize grading within rootzone
24	Valley Oak/ <i>Quercus lobata</i>	10"	Good	Good	To be preserved; outside zone of construction impact
25	Valley Oak/ <i>Quercus lobata</i>	19" @ 3'	Good	Good	To be preserved; minimize excavation for retaining wall within rootzone
26	Valley Oak/ <i>Quercus lobata</i>	26"	Good	Good	To be preserved; outside zone of construction impact
27	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; outside zone of construction impact
28	Valley Oak/ <i>Quercus lobata</i>	22"	Good	Good	To be preserved; outside zone of construction impact
29	Valley Oak/ <i>Quercus lobata</i>	14, 18"	Good	Good	To be preserved; will need clearance pruning; minimize retaining wall excavation within rootzone
30	Valley Oak/ <i>Quercus lobata</i>	22"	Good	Good	To be preserved; outside zone of construction impact
31	Valley Oak/ <i>Quercus lobata</i>	21"	Good	Good	To be preserved; will need clearance pruning; minimize retaining wall excavation within rootzone
32	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; remove deadwood
33	Valley Oak/ <i>Quercus lobata</i>	19"	Good	Good	To be preserved; outside zone of construction impact
34	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be preserved; outside zone of construction impact
35	Valley Oak/ <i>Quercus lobata</i>	20"	Good	Good	To be preserved; outside zone of construction impact
36	Valley Oak/ <i>Quercus lobata</i>	24"	Good	Good	To be preserved; outside zone of construction impact

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
37	Valley Oak/ <i>Quercus lobata</i>	10, 20"	Good	Good	To be preserved; outside zone of construction impact
38	Valley Oak/ <i>Quercus lobata</i>	32"	Good	Good	To be preserved; outside zone of construction impact
39	Valley Oak/ <i>Quercus lobata</i>	27"	Good	Good	To be preserved; outside zone of construction impact
40	Valley Oak/ <i>Quercus lobata</i>	28"	Good	Good	To be preserved; outside zone of construction impact
41	Valley Oak/ <i>Quercus lobata</i>	28"	Good	Good	To be preserved; minimize grading within rootzone
42	Valley Oak/ <i>Quercus lobata</i>	28"	Good	Good	To be preserved; minimize grading within rootzone
43	Willow/ <i>Salix sp.</i>	4, 4, 6"	Good	Fair	To be removed; protected tree
44	Willow/ <i>Salix sp.</i>	4, 4, 5, 5, 12"	Good	Good	To be removed; protected tree
45	Willow/ <i>Salix sp.</i>	6, 7, 10, 15"	Good	Fair	To be removed; protected tree
46	Coast Redwood/ <i>Sequoia sempervirens</i>	30, 37, 39"	Good	Good	To be removed; protected tree
47	Italian Stone Pine/ <i>Pinus pinea</i>	36"	Good	Good	To be removed; protected tree
48	Monterey Pine/ <i>Pinus radiata</i>	47"	Fair	Good	To be removed; not a protected tree
49	Valley Oak/ <i>Quercus lobata</i>	4"	Good	Good	To be removed; protected tree
50	Italian Stone Pine/ <i>Pinus pinea</i>	28, 37"	Good	Poor	To be removed; actively failing tree; hazardous tree
51	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Fair	To be removed; protected tree
52	Deodar Cedar/ <i>Cedrus deodara</i>	6"	Good	Good	To be removed; protected tree
53	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be removed; protected tree
54	Italian Stone Pine/ <i>Pinus pinea</i>	10"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
55	Italian Stone Pine/ <i>Pinus pinea</i>	7"	Good	Good	To be removed; protected tree
56	Deodar Cedar/ <i>Cedrus deodara</i>	5"	Good	Good	To be removed; protected tree
57	Italian Stone Pine/ <i>Pinus pinea</i>	6"	Good	Good	To be removed; protected tree
58	Italian Stone Pine/ <i>Pinus pinea</i>	12"	Good	Good	To be removed; protected tree
59	Magnolia/ <i>Magnolia grandiflora</i>	13" @ 3'	Good	Good	To be removed; protected tree
60	Deodar Cedar/ <i>Cedrus deodara</i>	28"	Good	Good	To be removed; protected tree
61	Scotch Pine/ <i>Pinus sylvestris</i>	13"	Good	Fair	To be removed; protected tree
62	California Bay Laurel/ <i>Umbellularia californica</i>	4, 4, 5"	Fair	Good	To be removed; protected tree
63	Pine/ <i>Pinus</i> sp.	10, 18"	Good	Poor	To be removed; not a protected tree
64	Black Locust/ <i>Robinia pseudoacacia</i>	10"	Good	Good	To be removed; protected tree
65	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be removed; protected tree
66	Fern Pine/ <i>Podocarpus</i> sp.	5"	Good	Fair	To be removed; overgrown shrub; not a protected tree
67	Deodar Cedar/ <i>Cedrus deodara</i>	5"	Good	Good	To be removed; protected tree
68	Chinese Pistache/ <i>Pistacia chinensis</i>	9"	Fair	Good	To be removed; protected tree
69	English Walnut/ <i>Juglans regia</i>	8" @ 3'	Poor	Poor	To be removed; protected tree
70	Hawthorn/ <i>Crataegus</i> sp.	9"	Fair	Good	To be removed; not a protected tree
71	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
72	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Fair	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
73	Giant Sequoia/ <i>Sequoiadendron giganteum</i>	29"	Poor	Poor	To be removed; protected tree
74	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Fair	To be removed; protected tree
75	Chinese Pistache/ <i>Pistacia chinensis</i>	5"	Good	Good	To be removed; protected tree
76	Coast Live Oak/ <i>Quercus agrifolia</i>	5" @ 3'	Good	Good	To be removed; protected tree
77	Italian Stone Pine/ <i>Pinus pinea</i>	21"	Good	Good	To be removed; protected tree
78	Coast Redwood/ <i>Sequoia sempervirens</i>	20"	Poor	Good	To be removed; protected tree
79	Eucalyptus/ <i>Eucalyptus globulus</i>	25" @ 2'	Good	Fair	To be removed; protected tree
80	Italian Stone Pine/ <i>Pinus pinea</i>	7"	Good	Good	To be removed; protected tree
81	Coast Live Oak/ <i>Quercus agrifolia</i>	4, 4"	Good	Fair	To be removed; protected tree
82	Italian Stone Pine/ <i>Pinus pinea</i>	36"	Good	Fair	To be removed; protected tree
83	Italian Stone Pine/ <i>Pinus pinea</i>	6"	Good	Good	To be removed; protected tree
84	Italian Stone Pine/ <i>Pinus pinea</i>	7"	Good	Fair	To be removed; protected tree
85	Coast Redwood/ <i>Sequoia sempervirens</i>	7, 8"	Fair	Fair	To be removed; protected tree
86	Deodar Cedar/ <i>Cedrus deodara</i>	25"	Good	Good	To be removed; protected tree
87	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Fair	To be removed; protected tree
88	Pine/ <i>Pinus</i> sp.	10"	Good	Good	To be removed; not a protected tree
89	Douglas Fir/ <i>Pseudotsuga menziesii</i>	24"	Good	Good	To be removed; protected tree
90	Eucalyptus/ <i>Eucalyptus</i> sp.	14"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
91	Eucalyptus/ <i>Eucalyptus sp.</i>	10"	Good	Fair	To be removed; protected tree
92	Deodar Cedar/ <i>Cedrus deodara</i>	13"	Good	Good	To be preserved; protected tree
93	Valley Oak/ <i>Quercus lobata</i>	14, 24"	Good	Good	To be preserved; protected tree
94	Valley Oak/ <i>Quercus lobata</i>	29"	Good	Good	To be removed; protected tree
95	Madrone/ <i>Arbutus menziesii</i>	4" @ 7', 4" @ 3'	Good	Good	To be removed; protected tree
96	Valley Oak/ <i>Quercus lobata</i>	10, 15"	Good	Fair	To be preserved; may need clearance pruning
97	Valley Oak/ <i>Quercus lobata</i>	5"	Good	Good	To be preserved; outside zone of construction impact
98	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be preserved; outside zone of construction impact
99	Coast Live Oak/ <i>Quercus agrifolia</i>	9"	Good	Good	To be preserved; may need clearance pruning
100	Valley Oak/ <i>Quercus lobata</i>	4"	Good	Good	To be preserved; minimize grading within rootzone
101	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be preserved; minimize grading within rootzone
102	Valley Oak/ <i>Quercus lobata</i>	30"	Excellent	Excellent	To be preserved; may need clearance pruning; minimize grading within rootzone
103	Valley Oak/ <i>Quercus lobata</i>	43"	Excellent	Excellent	To be preserved; will need extensive clearance pruning; minimize grading within rootzone
104	Coast Live Oak/ <i>Quercus agrifolia</i>	57"	Excellent	Good	To be preserved; minimize grading within rootzone
105	Valley Oak/ <i>Quercus lobata</i>	22"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone
106	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be removed; protected tree
107	Valley Oak/ <i>Quercus lobata</i>	21"	Good	Good	To be removed; protected tree
108	Valley Oak/ <i>Quercus lobata</i>	32"	Good	Fair	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
109	Valley Oak/ <i>Quercus lobata</i>	28"	Fair	Good	To be preserved; will need clearance pruning; remove mistletoe
110	Valley Oak/ <i>Quercus lobata</i>	32"	Fair	Good	To be removed; protected tree
111	Valley Oak/ <i>Quercus lobata</i>	23"	Good	Fair	To be preserved; will need clearance pruning; minimize grading within rootzone
112	Valley Oak/ <i>Quercus lobata</i>	19"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone
113	Valley Oak/ <i>Quercus lobata</i>	22"	Excellent	Excellent	To be removed; protected tree
114	Blue Oak/ <i>Quercus douglasii</i>	16"	Good	Fair	To be removed; protected tree
115	Silver Dollar Gum/ <i>Eucalyptus cinerea</i>	10"	Good	Good	To be removed; protected tree
116	Silver Dollar Gum/ <i>Eucalyptus cinerea</i>	11, 15, 15"	Good	Good	To be removed; protected tree
117	Silver Dollar Gum/ <i>Eucalyptus cinerea</i>	11, 12, 13, 13"	Good	Fair	To be removed; protected tree
118	Valley Oak/ <i>Quercus lobata</i>	37"	Excellent	Good	To be removed; protected tree
119	Cypress/ <i>Cupressus sp.</i>	7, 9"	Good	Poor	To be removed; fallen; not a protected tree
120	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be removed; protected tree
121	Coast Live Oak/ <i>Quercus agrifolia</i>	15"	Good	Fair/Poor	To be preserved; may need clearance pruning
122	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Fair	To be preserved; will need extensive clearance pruning; minimize grading within rootzone
123	Blue Oak/ <i>Quercus douglasii</i>	23"	Good	Fair	To be preserved; will need clearance pruning; minimize grading within rootzone
124	Blue Oak/ <i>Quercus douglasii</i>	27"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone
125	Blue Oak/ <i>Quercus douglasii</i>	12"	Good	Fair	To be preserved; will need clearance pruning; minimize grading within rootzone
126	Hollywood Juniper/ <i>Juniperus chinensis 'Torulosa' Juniper</i>	12"	Good	Good	To be removed; not a protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
127	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be removed; protected tree
128	Valley Oak/ <i>Quercus lobata</i>	15"	Good	Good	To be removed; protected tree
129	Hollywood Juniper/ <i>Juniperus chinensis</i> 'Torulosa'	7"	Good	Good	To be removed; not a protected tree
130	Coast Live Oak/ <i>Quercus agrifolia</i>	6" @ 2'	Good	Fair	To be removed; protected tree
131	Coast Live Oak/ <i>Quercus agrifolia</i>	11"	Good	Good	To be removed; protected tree
132	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be removed; protected tree
133	Coast Live Oak/ <i>Quercus agrifolia</i>	9"	Good	Good	To be removed; protected tree
134	Coast Live Oak/ <i>Quercus agrifolia</i>	6, 7"	Good	Good	To be removed; protected tree
135	Hollywood Juniper/ <i>Juniperus chinensis</i> 'Torulosa' Juniper	8" @ 2'	Good	Good	To be removed; fallen; not a protected tree
136	Valley Oak/ <i>Quercus lobata</i>	12"	Fair	Good	To be removed; protected tree
137	Manzanita/ <i>Arctostaphylos</i> sp.	5, 5"	Excellent	Excellent	To be removed; shrub; not a protected tree
138	Coast Live Oak/ <i>Quercus agrifolia</i>	4, 4"	Good	Good	To be removed; protected tree
139	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be removed; protected tree
140	Monterey Cypress/ <i>Hesperocyparis macrocarpa</i>	23"	Fair	Fair	To be removed; not a protected tree
141	Blue Oak/ <i>Quercus douglasii</i>	19"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone; remove mistletoe
142	Valley Oak/ <i>Quercus lobata</i>	30"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone; remove mistletoe
143	Blue Oak/ <i>Quercus douglasii</i>	25"	Good	Good	To be preserved
144	Blue Oak/ <i>Quercus douglasii</i>	29"	Good	Good	To be preserved

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
145	Monterey Cypress/ <i>Hesperocyparis macrocarpa</i>	20"	Good	Poor	To be removed; partially failed; not a protected tree
146	Blue Oak/ <i>Quercus douglasii</i>	14"	Fair	Good	To be preserved; will need clearance pruning; minimize grading within rootzone
147	Blue Oak/ <i>Quercus douglasii</i>	21"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone
148	Hollywood Juniper/ <i>Juniperus chinensis</i> 'Torulosa' Juniper	9, 10"	Good	Fair	To be removed; not a protected tree
149	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Fair	To be removed; protected tree
150	Coast Live Oak/ <i>Quercus agrifolia</i>	6" @ 3'	Good	Good	To be removed; protected tree
151	Blue Oak/ <i>Quercus douglasii</i>	7"	Fair	Fair	To be removed; protected tree
152	Coast Live Oak/ <i>Quercus agrifolia</i>	6, 6, 7" @ 2'	Good	Good	To be removed; protected tree
153	Coast Live Oak/ <i>Quercus agrifolia</i>	4, 4, 5"	Good	Poor	To be removed; protected tree
154	Coast Live Oak/ <i>Quercus agrifolia</i>	7" @ 3'	Good	Poor	To be removed; protected tree
155	Coast Live Oak/ <i>Quercus agrifolia</i>	5, 6, 6, 7, 9"	Good	Fair	To be removed; protected tree
156	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be removed; protected tree
157	Coast Live Oak/ <i>Quercus agrifolia</i>	9"	Good	Good	To be removed; protected tree
158	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be removed; protected tree
159	Hollywood Juniper/ <i>Juniperus chinensis</i> 'Torulosa' Juniper	5, 9, 10, 12"	Good	Good	To be removed; not a protected tree
160	Coast Live Oak/ <i>Quercus agrifolia</i>	12"	Good	Good	To be removed; protected tree
161	Italian Stone Pine/ <i>Pinus pinea</i>	42" @ 1'	Fair	Poor	To be removed; protected tree
162	Coast Live Oak/ <i>Quercus agrifolia</i>	6" @ 2', 7" @ 3'	Good	Poor	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
163	Coast Live Oak/ <i>Quercus agrifolia</i>	28"	Good	Fair	To be removed; protected tree
164	Blue Oak/ <i>Quercus douglasii</i>	22"	Fair	Good	To be preserved; poor condition; may not survive construction
165	Coast Live Oak/ <i>Quercus agrifolia</i>	33" @ 2'	Good	Fair	To be preserved; needs cable; past root loss
166	Coast Live Oak/ <i>Quercus agrifolia</i>	10"	Good	Fair	To be preserved
167	Coast Live Oak/ <i>Quercus agrifolia</i>	9"	Good	Good	To be preserved; will need clearance pruning
168	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	To be removed; protected tree
169	Coast Live Oak/ <i>Quercus agrifolia</i>	5, 7"	Good	Fair	To be removed; protected tree
170	Coast Live Oak/ <i>Quercus agrifolia</i>	6" @ 1'	Good	Fair	To be removed; protected tree
171	Coast Live Oak/ <i>Quercus agrifolia</i>	8" @ 3'	Good	Good	To be removed; protected tree
172	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be removed; protected tree
173	Coast Live Oak/ <i>Quercus agrifolia</i>	12"	Good	Good	To be removed; protected tree
174	Willow/ <i>Salix</i> sp.	21"	Good	Fair	To be removed; protected tree
175	Hollywood Juniper/ <i>Juniperus chinensis</i> 'Torulosa' Juniper	4, 5, 7, 10"	Good	Good	To be removed; partially failed; not a protected tree
176	Coast Live Oak/ <i>Quercus agrifolia</i>	23"	Good	Good	To be removed; protected tree
177	Magnolia/ <i>Magnolia grandiflora</i>	4"	Good	Good	To be removed; protected tree
178	Blue Oak/ <i>Quercus douglasii</i>	19, 21, 24"	Good	Good	To be preserved
179	Hollywood Juniper/ <i>Juniperus chinensis</i> 'Torulosa' Juniper	4"	Good	Good	To be removed; not a protected tree
180	Blue Oak/ <i>Quercus douglasii</i>	22"	Good	Good	To be preserved

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
181	Blue Oak/ <i>Quercus douglasii</i>	17"	Good	Good	To be preserved
182	Blue Oak/ <i>Quercus douglasii</i>	16"	Good	Fair	To be preserved
183	Blue Oak/ <i>Quercus douglasii</i>	17"	Good	Good	To be preserved
184	Monterey Cypress/ <i>Hesperocyparis macrocarpa</i>	4"	Poor	Fair	To be removed; not a protected tree
185	Blue Oak/ <i>Quercus douglasii</i>	13"	Fair	Fair	To be preserved
186	Blue Oak/ <i>Quercus douglasii</i>	14"	Good	Good	To be preserved
187	Blue Oak/ <i>Quercus douglasii</i>	23"	Good	Good	To be preserved
188	Blue Oak/ <i>Quercus douglasii</i>	18"	Good	Good	To be preserved
189	Valley Oak/ <i>Quercus lobata</i>	11, 18"	Good	Good	To be preserved
190	Blue Oak/ <i>Quercus douglasii</i>	16, 32"	Good	Good	To be preserved
191	Hybrid Oak/ <i>Quercus x sp.</i>	16"	Good	Good	To be preserved
192	Hybrid Oak/ <i>Quercus x sp.</i>	25" @ 3'	Good	Good	To be preserved
193	Valley Oak/ <i>Quercus lobata</i>	4"	Good	Good	To be removed; protected tree
194	Monterey Pine/ <i>Pinus radiata</i>	7"	Good	Excellent	To be removed; not a protected tree
195	Monterey Pine/ <i>Pinus radiata</i>	34" @ 2'	Good	Good	To be removed; not a protected tree
196	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
197	Monterey Pine/ <i>Pinus radiata</i>	27"	Fair	Fair	To be removed; not a protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
198	Monterey Pine/ <i>Pinus radiata</i>	25"	Fair	Fair	To be removed; not a protected tree
199	Monterey Pine/ <i>Pinus radiata</i>	28"	Poor	Fair	To be removed; not a protected tree
200	Maple/ <i>Acer sp.</i>	9"	Good	Good	To be removed; protected tree
201	Valley Oak/ <i>Quercus lobata</i>	4"	Good	Excellent	To be removed; protected tree
202	Monterey Cypress <i>Hesperocyparis macrocarpa</i>	14"	Fair	Fair	To be removed; not a protected tree
203	Valley Oak/ <i>Quercus lobata</i>	6"	Good	Good	To be removed; protected tree
204	Deodar Cedar/ <i>Cedrus deodara</i>	13"	Fair	Fair	To be removed; protected tree
205	Coast Live Oak/ <i>Quercus agrifolia</i>	12" @ 2'	Good	Fair	To be removed; protected tree
206	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Excellent	To be removed; protected tree
207	Coast Live Oak/ <i>Quercus agrifolia</i>	4, 6, 8"	Good	Excellent	To be removed; protected tree
208	Valley Oak/ <i>Quercus lobata</i>	7"	Good	Excellent	To be removed; protected tree
209	Coast Live Oak/ <i>Quercus agrifolia</i>	5, 7"	Good	Fair	To be removed; protected tree
210	Willow/ <i>Salix sp.</i>	4, 5"	Good	Fair	To be removed; protected tree
211	Ash/ <i>Fraxinus sp.</i>	4, 7, 8"	Good	Fair	To be removed; protected tree
212	Ash/ <i>Fraxinus sp.</i>	5, 6, 11"	Good	Fair	To be removed; protected tree
213	Deodar Cedar/ <i>Cedrus deodara</i>	7"	Fair	Good	To be removed; protected tree
214	Deodar Cedar/ <i>Cedrus deodara</i>	11"	Good	Fair	To be removed; protected tree
215	Italian Stone Pine/ <i>Pinus pinea</i>	8" @ 2'	Good	Fair	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
216	Deodar Cedar/ <i>Cedrus deodara</i>	8"	Poor	Fair	To be removed; protected tree
217	Deodar Cedar/ <i>Cedrus deodara</i>	10"	Fair	Fair	To be removed; protected tree
218	Deodar Cedar/ <i>Cedrus deodara</i>	7"	Poor	Fair	To be removed; protected tree
219	Liquidambar/ <i>Liquidambar styraciflua</i>	7"	Good	Fair	To be removed; protected tree
220	Liquidambar/ <i>Liquidambar styraciflua</i>	8, 8"	Good	Fair	To be removed; protected tree
221	Monterey Pine/ <i>Pinus radiata</i>	4"	Fair	Fair	To be removed; not a protected tree
222	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Fair	To be removed; protected tree
223	Liquidambar/ <i>Liquidambar styraciflua</i>	8"	Good	Fair	To be removed; protected tree
224	Liquidambar/ <i>Liquidambar styraciflua</i>	8"	Good	Fair	To be removed; protected tree
225	Liquidambar/ <i>Liquidambar styraciflua</i>	13"	Good	Good	To be removed; protected tree
226	Liquidambar/ <i>Liquidambar styraciflua</i>	7, 10"	Good	Fair	To be removed; protected tree
227	Liquidambar/ <i>Liquidambar styraciflua</i>	8"	Good	Good	To be removed; protected tree
228	Liquidambar/ <i>Liquidambar styraciflua</i>	8"	Fair	Fair	To be removed; protected tree
229	Valley Oak/ <i>Quercus lobata</i>	5"	Good	Good	To be removed; protected tree
230	Liquidambar/ <i>Liquidambar styraciflua</i>	7"	Good	Good	To be removed; protected tree
231	Liquidambar/ <i>Liquidambar styraciflua</i>	5, 6, 9"	Good	Fair	To be removed; protected tree
232	Liquidambar/ <i>Liquidambar styraciflua</i>	5, 9"	Good	Fair	To be removed; protected tree
233	Black Walnut/ <i>Juglans nigra</i>	10"	Fair	Fair	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
234	Valley Oak/ <i>Quercus lobata</i>	5"	Good	Good	To be removed; protected tree
235	Valley Oak/ <i>Quercus lobata</i>	4" @ 3'	Good	Good	To be removed; protected tree
236	Liquidambar/ <i>Liquidambar styraciflua</i>	7"	Good	Good	To be removed; protected tree
237	Valley Oak/ <i>Quercus lobata</i>	4"	Good	Good	To be removed; protected tree
238	Liquidambar/ <i>Liquidambar styraciflua</i>	9"	Good	Fair	To be removed; protected tree
239	Liquidambar/ <i>Liquidambar styraciflua</i>	10" @ 3'	Good	Good	To be removed; protected tree
240	Liquidambar/ <i>Liquidambar styraciflua</i>	6, 8"	Good	Fair	To be removed; protected tree
241	Liquidambar/ <i>Liquidambar styraciflua</i>	6" @ 3', 8'	Fair	Fair	To be removed; protected tree
242	Liquidambar/ <i>Liquidambar styraciflua</i>	6"	Fair	Fair	To be removed; protected tree
243	Liquidambar/ <i>Liquidambar styraciflua</i>	8"	Good	Fair	To be removed; protected tree
244	Liquidambar/ <i>Liquidambar styraciflua</i>	9"	Good	Fair	To be removed; protected tree
245	Liquidambar/ <i>Liquidambar styraciflua</i>	6, 7"	Good	Fair	To be removed; protected tree
246	Liquidambar/ <i>Liquidambar styraciflua</i>	4,4,4,5,8" @ 3'	Fair	Poor	To be removed; protected tree
247	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
248	Liquidambar/ <i>Liquidambar styraciflua</i>	4, 6"	Good	Fair	To be removed; protected tree
249	Liquidambar/ <i>Liquidambar styraciflua</i>	4, 6, 6, 7"	Fair	Fair	To be removed; protected tree
250	Liquidambar/ <i>Liquidambar styraciflua</i>	10"	Fair	Fair	To be removed; protected tree
251	Coast Live Oak/ <i>Quercus agrifolia</i>	8" @ 2'	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
252	Liquidambar/ <i>Liquidambar styraciflua</i>	4, 8, 10"	Good	Fair	To be removed; protected tree
253	Liquidambar/ <i>Liquidambar styraciflua</i>	5, 7, 7"	Fair	Poor	To be removed; protected tree
254	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
255	Coast Live Oak/ <i>Quercus agrifolia</i>	6" @ 3'	Good	Good	To be removed; protected tree
256	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
257	Liquidambar/ <i>Liquidambar styraciflua</i>	6, 7, 7"	Good	Fair	To be removed; protected tree
258	Liquidambar/ <i>Liquidambar styraciflua</i>	4"	Good	Good	To be removed; protected tree
259	Coast Live Oak/ <i>Quercus agrifolia</i>	5, 6"	Good	Fair	To be removed; protected tree
260	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be removed; protected tree
261	Liquidambar/ <i>Liquidambar styraciflua</i>	5, 9"	Poor	Poor	To be removed; protected tree
262	Coast Live Oak/ <i>Quercus agrifolia</i>	7" @ 3'	Good	Good	To be removed; protected tree
263	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Fair	To be removed; protected tree
264	Liquidambar/ <i>Liquidambar styraciflua</i>	7"	Good	Fair	To be removed; protected tree
265	Liquidambar/ <i>Liquidambar styraciflua</i>	11"	Good	Fair	To be removed; protected tree
266	Liquidambar/ <i>Liquidambar styraciflua</i>	7"	Fair	Poor	To be removed; protected tree
267	Liquidambar/ <i>Liquidambar styraciflua</i>	7"	Fair	Fair	To be removed; protected tree
268	Liquidambar/ <i>Liquidambar styraciflua</i>	8"	Fair	Fair	To be removed; protected tree
269	Liquidambar/ <i>Liquidambar styraciflua</i>	6"	Fair	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
270	Coast Live Oak/ <i>Quercus agrifolia</i>	4, 6"	Good	Good	To be removed; protected tree
271	Liquidambar/ <i>Liquidambar styraciflua</i>	11" @ 2'	Good	Fair	To be removed; protected tree
272	Liquidambar/ <i>Liquidambar styraciflua</i>	9" @ 3'	Good	Fair	To be removed; protected tree
273	Monterey Pine/ <i>Pinus radiata</i>	11"	Fair	Good	To be removed; not a protected tree
274	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be removed; protected tree
275	Raywood Ash/ <i>Fraxinus angustifolia</i> 'Raywood'	5, 33"	Good	Fair	To be removed; protected tree
276	Monterey Pine/ <i>Pinus radiata</i>	24"	Fair	Good	To be removed; not a protected tree
277	Blue Oak/ <i>Quercus douglasii</i>	5"	Good	Fair	To be removed; protected tree
278	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Fair	Fair	To be removed; protected tree
279	Coast Live Oak/ <i>Quercus agrifolia</i>	4, 7"	Good	Fair	To be removed; protected tree
280	Coast Live Oak/ <i>Quercus agrifolia</i>	4, 7, 14"	Good	Good	To be removed; protected tree
281	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Excellent	To be removed; protected tree
282	Monterey Cypress/ <i>Hesperocyparis macrocarpa</i>	7, 8, 9"	Good	Good	To be removed; not a protected tree
283	Italian Stone Pine/ <i>Pinus pinea</i>	23"	Good	Fair	To be removed; protected tree
284	Silver Maple/ <i>Acer saccharinum</i>	25"	Good	Good	To be removed; not a protected tree
285	Monterey Cypress/ <i>Hesperocyparis macrocarpa</i>	9, 11, 13, 23"	Good	Fair	To be removed; not a protected tree
286	Hybrid Oak/ <i>Quercus x sp.</i>	7"	Good	Good	To be preserved

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
287	Monterey Cypress/ <i>Hesperocyparis macrocarpa</i>	26" @ 3'	Fair	Fair	To be removed; protected tree
288	Coast Live Oak/ <i>Quercus agrifolia</i>	4, 10"	Good	Fair	To be removed; protected tree
289	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
290	Coast Live Oak/ <i>Quercus agrifolia</i>	4, 4, 6"	Good	Fair	To be removed; protected tree
291	Coast Live Oak/ <i>Quercus agrifolia</i>	5, 8"	Good	Fair	To be removed; protected tree
292	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Fair	To be removed; protected tree
293	Coast Live Oak/ <i>Quercus agrifolia</i>	9" @ 4'	Good	Fair	To be removed for construction; protected tree
294	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be removed for construction; protected tree
295	Coast Live Oak/ <i>Quercus agrifolia</i>	8" @ 4'	Good	Good	Sidewalk will be moved to preserve; protected tree
296	Coast Live Oak/ <i>Quercus agrifolia</i>	16, 22" @ 3'	Good	Poor	To be removed for construction; protected tree
297	Coast Live Oak/ <i>Quercus agrifolia</i>	10"	Good	Fair	To be removed; protected tree
298	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be removed; protected tree
299	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
300	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Fair	Good	To be removed for construction; protected tree
301	Pin Oak/ <i>Quercus palustris</i>	18"	Fair	Fair	To be removed; protected tree
302	Pin Oak/ <i>Quercus palustris</i>	26"	Fair	Fair	To be removed; protected tree
303	Mexican Fan Palm/ <i>Washingtonian robusta</i>	11"	Good	Good	To be removed; protected tree
304	Coast Live Oak/ <i>Quercus agrifolia</i>	4", 6"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
305	Bunya Bunya Tree/ <i>Araucaria bidwillii</i>	23"	Excellent	Excellent	To be removed; protected tree
306	Coast Live Oak/ <i>Quercus agrifolia</i>	4", 7"	Good	Good	To be removed; protected tree
307	Valley Oak/ <i>Quercus lobata</i>	6"	Good	Good	To be removed; protected tree
308	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
309	Liquidambar/ <i>Liquidambar styraciflua</i>	4"	Good	Good	To be removed; protected tree
310	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Fair	To be removed; protected tree
311	Coast Live Oak/ <i>Quercus agrifolia</i>	6" @ 3'	Good	Good	To be removed; protected tree
312	Liquidambar/ <i>Liquidambar styraciflua</i>	10"	Good	Good	To be removed; protected tree
313	Liquidambar/ <i>Liquidambar styraciflua</i>	10"	Good	Good	To be removed; protected tree
314	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
315	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
316	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
317	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Fair	To be removed; protected tree
318	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Fair	To be removed; protected tree
319	Deodar Cedar/ <i>Cedrus deodara</i>	13"	Good	Good	To be removed; protected tree
320	Pin Oak/ <i>Quercus palustris</i>	14"	Fair	Fair	To be removed; protected tree
321	Pin Oak/ <i>Quercus palustris</i>	13"	Good	Fair	To be removed; protected tree
322	Pin Oak/ <i>Quercus palustris</i>	11"	Fair	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
323	Pin Oak/ <i>Quercus palustris</i>	11"	Fair	Good	To be removed; protected tree
324	Valley Oak/ <i>Quercus lobata</i>	27"	Good	Excellent	To be preserved; protected tree
325	Valley Oak/ <i>Quercus lobata</i>	24"	Good	Good	To be preserved; protected tree
326	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be preserved; protected tree
327	Valley Oak/ <i>Quercus lobata</i>	20"	Good	Good	To be preserved; protected tree
328	Valley Oak/ <i>Quercus lobata</i>	13"	Good	Good	To be preserved; protected tree
329	Valley Oak/ <i>Quercus lobata</i>	22"	Good	Fair	To be preserved; protected tree
330	Valley Oak/ <i>Quercus lobata</i>	15"	Good	Good	To be removed; protected tree
331	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be removed; protected tree
332	Valley Oak/ <i>Quercus lobata</i>	13"	Good	Fair	To be removed; protected tree
333	Valley Oak/ <i>Quercus lobata</i>	5", 6"	Good	Fair	To be preserved; protected tree
334	Valley Oak/ <i>Quercus lobata</i>	13"	Good	Good	To be preserved; protected tree
335	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; protected tree
336	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; protected tree
337	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; protected tree
338	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be preserved; protected tree
339	Valley Oak/ <i>Quercus lobata</i>	18"	Good	Good	To be preserved; protected tree
340	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Good	To be preserved; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
341	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; protected tree
342	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be preserved; protected tree
343	Valley Oak/ <i>Quercus lobata</i>	14" @ 3'	Good	Good	To be preserved; protected tree
344	Valley Oak/ <i>Quercus lobata</i>	13"	Good	Good	To be preserved; protected tree
345	Valley Oak/ <i>Quercus lobata</i>	8"	Good	Good	To be preserved; protected tree
346	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be preserved; protected tree
347	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be preserved; protected tree
348	Valley Oak/ <i>Quercus lobata</i>	25"	Good	Good	To be removed; protected tree
349	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; outside zone of construction impact; protected tree
350	Valley Oak/ <i>Quercus lobata</i>	21"	Good	Good	To be preserved; outside zone of construction impact; protected tree
351	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be preserved; outside zone of construction impact; protected tree
352	Valley Oak/ <i>Quercus lobata</i>	24"	Good	Good	To be preserved; outside zone of construction impact; protected tree
353	Valley Oak/ <i>Quercus lobata</i>	13"	Good	Good	To be preserved; outside zone of construction impact; protected tree
354	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be preserved; outside zone of construction impact; protected tree
355	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Good	To be preserved; outside zone of construction impact; protected tree
356	Valley Oak/ <i>Quercus lobata</i>	15"	Good	Fair	To be preserved; outside zone of construction impact; protected tree
357	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be preserved; outside zone of construction impact; protected tree
358	California Buckeye/ <i>Aesculus californica</i>	17"	Good	Good	To be preserved; outside zone of construction impact; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
359	Valley Oak/ <i>Quercus lobata</i>	21"	Good	Good	To be preserved; outside zone of construction impact; protected tree
360	California Bay Laurel/ <i>Umbellularia californica</i>	8", 9", 9", 10", 12"	Good	Good	To be preserved; outside zone of construction impact; protected tree
361	California Bay Laurel/ <i>Umbellularia californica</i>	12", 13"	Good	Fair	To be preserved; outside zone of construction impact; protected tree
362	California Buckeye/ <i>Aesculus californica</i>	5"	Good	Fair	To be preserved; outside zone of construction impact; protected tree
363	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be preserved; outside zone of construction impact; protected tree
364	California Bay Laurel/ <i>Umbellularia californica</i>	4", 6", 6", 7"	Good	Good	To be preserved; outside zone of construction impact; protected tree
365	California Bay Laurel/ <i>Umbellularia californica</i>	10", 13" @3'	Good	Good	To be preserved; outside zone of construction impact; protected tree
366	Valley Oak/ <i>Quercus lobata</i>	28"	Good	Fair	To be preserved; outside zone of construction impact; protected tree
367	Valley Oak/ <i>Quercus lobata</i>	22"	Good	Good	To be preserved; outside zone of construction impact; protected tree
368	Black Oak/ <i>Quercus kelloggii</i>	14"	Good	Fair	To be preserved; outside zone of construction impact; protected tree
369	California Bay Laurel/ <i>Umbellularia californica</i>	4", 9", 10", 15", 15", 16", 19"	Good	Good	To be preserved; outside zone of construction impact; protected tree
370	Valley Oak/ <i>Quercus lobata</i>	20"	Good	Good	To be preserved; outside zone of construction impact; protected tree
371	Coast Live Oak/ <i>Quercus agrifolia</i>	10", 12"	Good	Good	To be preserved; outside zone of construction impact; protected tree
372	Valley Oak/ <i>Quercus lobata</i>	13"	Good	Good	To be preserved; outside zone of construction impact; protected tree
373	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be preserved; outside zone of construction impact; protected tree
374	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be preserved; outside zone of construction impact; protected tree
375	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; outside zone of construction impact; protected tree
376	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; will need clearance pruning

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
377	California Bay Laurel <i>/Umbellularia californica</i>	5", 12", 14"	Good	Good	To be removed; protected tree
378	Valley Oak/ <i>Quercus lobata</i>	25"	Good	Good	To be removed; protected tree
379	Valley Oak/ <i>Quercus lobata</i>	13"	Good	Good	To be preserved; may need clearance pruning
380	Valley Oak/ <i>Quercus lobata</i>	19"	Good	Good	To be preserved; protected tree
381	California Bay Laurel <i>/Umbellularia californica</i>	4', 4"	Good	Good	To be preserved; may need clearance pruning
382	California Bay Laurel <i>/Umbellularia californica</i>	8", 9", 9", 9"	Good	Good	To be preserved; outside zone of construction impact; protected tree
383	Valley Oak/ <i>Quercus lobata</i>	9"	Fair	Fair	To be preserved; outside zone of construction impact; protected tree
384	Valley Oak/ <i>Quercus lobata</i>	18"	Good	Fair	To be preserved; outside zone of construction impact; protected tree
385	Valley Oak/ <i>Quercus lobata</i>	9"	Good	Fair	To be preserved; outside zone of construction impact; protected tree
386	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be preserved; outside zone of construction impact; protected tree
387	Valley Oak/ <i>Quercus lobata</i>	19"	Good	Good	To be preserved; outside zone of construction impact; protected tree
388	California Bay Laurel <i>/Umbellularia californica</i>	5"	Good	Good	To be preserved; outside zone of construction impact; protected tree
389	California Bay Laurel <i>/Umbellularia californica</i>	4"	Good	Good	To be preserved; outside zone of construction impact; protected tree
390	California Bay Laurel <i>/Umbellularia californica</i>	4"	Good	Good	To be preserved; outside zone of construction impact; protected tree
391	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be preserved; outside zone of construction impact; protected tree
392	Valley Oak/ <i>Quercus lobata</i>	10"	Good	Fair	To be preserved; outside zone of construction impact; protected tree
393	Valley Oak/ <i>Quercus lobata</i>	9"	Good	Good	To be preserved; may need clearance pruning
394	Valley Oak/ <i>Quercus lobata</i>	8"	Fair	Fair	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
395	Valley Oak/ <i>Quercus lobata</i>	18"	Good	Good	To be removed; protected tree
396	Black Oak/ <i>Quercus kelloggii</i>	22"	Good	Fair	To be removed; protected tree
397	Blue Oak/ <i>Quercus douglasii</i>	18"	Good	Good	To be removed; protected tree
398	Valley Oak/ <i>Quercus lobata</i>	21"	Good	Good	To be removed; protected tree
399	Valley Oak/ <i>Quercus lobata</i>	13"	Good	Good	To be removed; protected tree
400	California Bay Laurel / <i>Umbellularia californica</i>	7"	Good	Good	To be removed; protected tree
401	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be removed; protected tree
402	Oregon Ash/ <i>Fraxinus latifolia</i>	19"	Fair	Fair	To be removed; protected tree
403	Valley Oak/ <i>Quercus lobata</i>	11"	Fair	Fair	To be removed; protected tree
404	Valley Oak/ <i>Quercus lobata</i>	12"	Fair	Fair	To be removed; protected tree
405	Valley Oak/ <i>Quercus lobata</i>	7"	Good	Good	To be removed; protected tree
406	Valley Oak/ <i>Quercus lobata</i>	9"	Good	Good	To be preserved; outside zone of construction impact; protected tree
407	California Bay Laurel / <i>Umbellularia californica</i>	13" @ 3'	Good	Fair	To be preserved; protected tree
408	California Buckeye/ <i>Aesculus californica</i>	15"	Good	Good	To be preserved; protected tree
409	California Bay Laurel / <i>Umbellularia californica</i>	9", 12"	Good	Fair	To be preserved; protected tree
410	Valley Oak/ <i>Quercus lobata</i>	13"	Good	Good	To be preserved; may need clearance pruning
411	California Bay Laurel / <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
412	Valley Oak/ <i>Quercus lobata</i>	10"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
413	Coast Live Oak/ <i>Quercus agrifolia</i>	19"	Good	Poor	To be removed; protected tree
414	Valley Oak/ <i>Quercus lobata</i>	8", 9"	Good	Fair	To be removed; protected tree
415	Valley Oak/ <i>Quercus lobata</i>	26"	Good	Good	To be removed; protected tree
416	California Bay Laurel / <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
417	California Bay Laurel / <i>Umbellularia californica</i>	13", 14"	Good	Good	To be removed; protected tree
418	Oregon Ash/ <i>Fraxinus latifolia</i>	12"	Good	Good	To be removed; protected tree
419	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Fair	To be preserved; protected tree
420	California Bay Laurel / <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
421	Valley Oak/ <i>Quercus lobata</i>	8", 9", 11", 13"	Good	Good	To be removed; protected tree
422	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be removed; protected tree
423	Valley Oak/ <i>Quercus lobata</i>	31" @ 3'	Good	Excellent	To be preserved; protected tree
424	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Fair	To be removed; protected tree
425	Valley Oak/ <i>Quercus lobata</i>	8", 9", 10"	Good	Good	To be removed; protected tree
426	California Bay Laurel / <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
427	Valley Oak/ <i>Quercus lobata</i>	15"	Good	Good	To be removed; protected tree
428	California Bay Laurel / <i>Umbellularia californica</i>	7"	Good	Good	To be removed; protected tree
429	California Bay Laurel / <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
430	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
431	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Poor	To be removed; protected tree
432	Valley Oak/ <i>Quercus lobata</i>	13"	Good	Good	To be removed; protected tree
433	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be removed; protected tree
434	Valley Oak/ <i>Quercus lobata</i>	9"	Good	Good	To be removed; protected tree
435	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be removed; protected tree
436	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be removed; protected tree
437	Coast Live Oak/ <i>Quercus agrifolia</i>	6", 8", 8"	Good	Fair	To be removed; protected tree
438	California Bay Laurel / <i>Umbellularia californica</i>	14"	Good	Good	To be removed; protected tree
439	California Bay Laurel / <i>Umbellularia californica</i>	7"	Good	Fair	To be removed; protected tree
440	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Fair	To be preserved; protected tree
441	Valley Oak/ <i>Quercus lobata</i>	8"	Good	Good	To be removed; protected tree
442	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Good	To be removed; protected tree
443	Valley Oak/ <i>Quercus lobata</i>	9"	Good	Fair	To be removed; protected tree
444	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be removed; protected tree
445	Coast Live Oak/ <i>Quercus agrifolia</i>	14"	Good	Good	To be preserved; protected tree
446	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Excellent	To be preserved; outside zone of construction impact; protected tree
447	Coast Live Oak/ <i>Quercus agrifolia</i>	11"	Good	Good	To be preserved; outside zone of construction impact; protected tree
448	Coast Live Oak/ <i>Quercus agrifolia</i>	12"	Good	Good	To be preserved; outside zone of construction impact; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
449	Coast Live Oak/ <i>Quercus agrifolia</i>	20" @ 3'	Good	Poor	To be preserved; outside zone of construction impact; protected tree
450	Valley Oak/ <i>Quercus lobata</i>	19"	Good	Fair	To be preserved; protected tree
451	Coast Live Oak/ <i>Quercus agrifolia</i>	20"	Good	Fair	To be preserved; may need clearance pruning; protected tree
452	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be preserved; protected tree
453	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be removed; protected tree
454	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be removed; protected tree
455	Valley Oak/ <i>Quercus lobata</i>	8"	Good	Fair	To be preserved; protected tree
456	Black Oak/ <i>Quercus kelloggii</i>	9"	Good	Good	To be preserved; protected tree
457	California Bay Laurel <i>/Umbellularia californica</i>	4", 6"	Good	Good	To be preserved; protected tree
458	California Bay Laurel <i>/Umbellularia californica</i>	13"	Good	Good	To be preserved; protected tree
459	Valley Oak/ <i>Quercus lobata</i>	14", 18", 26"	Good	Good	To be preserved; may need clearance pruning; protected tree
460	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; protected tree
461	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; protected tree
462	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; protected tree
463	Coast Live Oak/ <i>Quercus agrifolia</i>	14"	Good	Good	To be preserved; protected tree
464	Valley Oak/ <i>Quercus lobata</i>	19"	Good	Good	To be removed for construction; protected tree
465	California Bay Laurel <i>/Umbellularia californica</i>	6"	Good	Good	To be preserved; protected tree
466	Valley Oak/ <i>Quercus lobata</i>	15"	Good	Good	To be preserved; may need clearance pruning; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
467	Coast Live Oak/ <i>Quercus agrifolia</i>	13"	Good	Good	To be preserved; may need clearance pruning; protected tree
468	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Good	To be preserved; protected tree
469	Coast Live Oak/ <i>Quercus agrifolia</i>	13"	Good	Good	To be preserved; protected tree
470	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; will need clearance pruning; will be some impact from construction; protected tree
471	Coast Live Oak/ <i>Quercus agrifolia</i>	16"	Good	Fair	To be preserved; protected tree
472	Coast Live Oak/ <i>Quercus agrifolia</i>	10", 15"	Good	Good	To be preserved; protected tree
473	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be removed for construction; protected tree
474	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; protected tree
475	California Bay Laurel <i>/Umbellularia californica</i>	5", 6", 6"	Good	Good	To be preserved; protected tree
476	Valley Oak/ <i>Quercus lobata</i>	8", 9"	Good	Good	To be preserved; protected tree
477	California Bay Laurel <i>/Umbellularia californica</i>	6", 7", 8", 9", 10"	Good	Good	To be preserved; protected tree
478	California Bay Laurel <i>/Umbellularia californica</i>	11"	Good	Good	To be preserved; may need clearance pruning; protected tree
479	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Good	To be preserved; may need clearance pruning; protected tree
480	Valley Oak/ <i>Quercus lobata</i>	10"	Good	Good	To be preserved; protected tree
481	Oregon Ash/ <i>Fraxinus latifolia</i>	16"	Good	Good	To be preserved; will need clearance pruning; will be some impact from construction; protected tree
482	Valley Oak/ <i>Quercus lobata</i>	7"	Good	Poor	To be preserved; will need clearance pruning; will be some impact from construction; protected tree
483	Valley Oak/ <i>Quercus lobata</i>	8"	Good	Good	To be removed; protected tree
484	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
485	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Good	To be removed; protected tree
486	Valley Oak/ <i>Quercus lobata</i>	10"	Good	Good	To be removed; protected tree
487	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Poor	To be removed; protected tree
488	Valley Oak/ <i>Quercus lobata</i>	23"	Good	Excellent	To be removed; protected tree
489	Oregon Ash/ <i>Fraxinus latifolia</i>	18"	Good	Good	To be preserved; will need clearance pruning; protected tree
490	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be preserved; may need clearance pruning; protected tree
491	Coast Live Oak/ <i>Quercus agrifolia</i>	29"	Fair	Poor	To be removed; protected tree
492	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
493	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
494	California Bay Laurel/ <i>Umbellularia californica</i>	5", 5"	Good	Good	To be removed; protected tree
495	Coast Live Oak/ <i>Quercus agrifolia</i>	20"	Good	Fair	To be preserved; will need clearance pruning; protected tree
496	Coast Live Oak/ <i>Quercus agrifolia</i>	14", 19"	Good	Poor	To be removed; protected tree
497	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
498	California Bay Laurel/ <i>Umbellularia californica</i>	9"	Good	Good	To be removed; protected tree
499	California Bay Laurel/ <i>Umbellularia californica</i>	16"	Good	Good	To be removed; protected tree
500	Valley Oak/ <i>Quercus lobata</i>	14", 17"	Good	Good	To be preserved; protected tree
501	California Bay Laurel/ <i>Umbellularia californica</i>	5", 9"	Good	Good	To be removed; protected tree
502	California Bay Laurel/ <i>Umbellularia californica</i>	9", 10", 11"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
503	California Bay Laurel/ <i>Umbellularia californica</i>	7", 8"	Good	Fair	To be removed; protected tree
504	California Bay Laurel/ <i>Umbellularia californica</i>	5", 7"	Fair	Fair	To be removed; protected tree
505	California Bay Laurel/ <i>Umbellularia californica</i>	7", 7"	Good	Good	To be removed; protected tree
506	California Bay Laurel/ <i>Umbellularia californica</i>	9", 18"	Good	Good	To be preserved; protected tree
507	California Bay Laurel/ <i>Umbellularia californica</i>	14"	Good	Good	To be removed; protected tree
508	California Bay Laurel/ <i>Umbellularia californica</i>	9"	Good	Good	To be removed; protected tree
509	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
510	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
511	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
512	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
513	California Bay Laurel/ <i>Umbellularia californica</i>	5, 7, 9"	Good	Good	To be removed; protected tree
514	California Bay Laurel/ <i>Umbellularia californica</i>	6", 8"	Good	Fair	To be removed; protected tree
515	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
516	California Bay Laurel/ <i>Umbellularia californica</i>	7", 7"	Good	Fair	To be removed; protected tree
517	Valley Oak/ <i>Quercus lobata</i>	18"	Good	Excellent	To be removed; protected tree
518	Valley Oak/ <i>Quercus lobata</i>	24"	Good	Good	To be removed; protected tree
519	Coast Live Oak/ <i>Quercus agrifolia</i>	17", 18"	Good	Fair	To be removed; protected tree
520	Coast Live Oak/ <i>Quercus agrifolia</i>	13"	Good	Fair	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
521	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
522	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
523	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be removed; protected tree
524	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be removed; protected tree
525	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Fair	To be removed; protected tree
526	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Fair	To be removed; protected tree
527	California Bay Laurel/ <i>Umbellularia californica</i>	6", 11", 13"	Good	Good	To be removed; protected tree
528	Coast Live Oak/ <i>Quercus agrifolia</i>	10"	Good	Good	To be removed; protected tree
529	Coast Live Oak/ <i>Quercus agrifolia</i>	33"	Fair	Fair	To be removed; protected tree
530	Valley Oak/ <i>Quercus lobata</i>	12", 18" @ 3'	Good	Good	To be removed; protected tree
531	Black Oak/ <i>Quercus kelloggii</i>	25"	Fair	Poor	To be removed; protected tree
532	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
533	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	To be preserved; protected tree
534	Valley Oak/ <i>Quercus lobata</i>	8"	Good	Good	To be removed; protected tree
535	Valley Oak/ <i>Quercus lobata</i>	7"	Good	Good	To be removed; protected tree
536	California Bay Laurel/ <i>Umbellularia californica</i>	7", 8", 10"	Good	Good	To be removed; protected tree
537	Coast Live Oak/ <i>Quercus agrifolia</i>	10"	Good	Fair	To be removed; protected tree
538	Valley Oak/ <i>Quercus lobata</i>	25"	Good	Excellent	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
539	Valley Oak/ <i>Quercus lobata</i>	22"	Good	Good	To be removed; protected tree
540	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Good	To be removed; protected tree
541	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be removed; protected tree
542	Oregon Ash/ <i>Fraxinus latifolia</i>	23"	Good	Fair	To be removed; protected tree
543	Valley Oak/ <i>Quercus lobata</i>	15", 17", 19"	Fair	Fair	To be preserved; protected tree
544	Valley Oak/ <i>Quercus lobata</i>	9"	Good	Fair	To be removed; protected tree
545	California Bay Laurel/ <i>Umbellularia californica</i>	19" @ 3'	Good	Good	To be preserved; will need clearance pruning; protected tree
546	Valley Oak/ <i>Quercus lobata</i>	31"	Good	Excellent	To be removed; protected tree
547	California Bay Laurel/ <i>Umbellularia californica</i>	9"	Good	Good	To be removed; protected tree
548	Coast Live Oak/ <i>Quercus agrifolia</i>	30"	Good	Fair	To be removed; protected tree
549	Valley Oak/ <i>Quercus lobata</i>	15"	Good	Good	To be removed; protected tree
550	Coast Live Oak/ <i>Quercus agrifolia</i>	16"	Good	Good	To be removed; protected tree
551	California Bay Laurel/ <i>Umbellularia californica</i>	18"	Good	Poor	To be preserved; will need clearance pruning; protected tree
552	California Bay Laurel/ <i>Umbellularia californica</i>	11"	Good	Good	To be removed; protected tree
553	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
554	California Bay Laurel/ <i>Umbellularia californica</i>	9"	Good	Poor	To be removed; protected tree; recently failed no mitigation
555	California Bay Laurel/ <i>Umbellularia californica</i>	7"	Good	Good	To be removed; protected tree
556	California Bay Laurel/ <i>Umbellularia californica</i>	9"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
557	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Poor	To be removed; protected tree
558	Coast Live Oak/ <i>Quercus agrifolia</i>	20", 29"	Failed	Failed	To be removed; protected tree; recently failed no mitigation
559	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
560	California Bay Laurel/ <i>Umbellularia californica</i>	10"	Good	Good	To be removed; protected tree
561	Coast Live Oak/ <i>Quercus agrifolia</i>	8", 14", 32"	Failed	Failed	To be removed; protected tree; recently failed; no mitigation
562	Valley Oak/ <i>Quercus lobata</i>	30"	Excellent	Excellent	To be removed; protected tree
563	Valley Oak/ <i>Quercus lobata</i>	20"	Good	Good	To be removed; protected tree
564	Coast Live Oak/ <i>Quercus agrifolia</i>	35"	Good	Good	To be removed; protected tree
565	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
566	California Bay Laurel/ <i>Umbellularia californica</i>	8"	Good	Fair	To be removed; protected tree
567	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Fair	To be preserved; will need clearance pruning; protected tree
568	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
569	California Bay Laurel/ <i>Umbellularia californica</i>	8", 8"	Good	Good	To be preserved; protected tree
570	California Bay Laurel/ <i>Umbellularia californica</i>	10" @ 3'	Good	Poor	To be preserved; protected tree
571	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be preserved; protected tree
572	California Bay Laurel/ <i>Umbellularia californica</i>	7"	Good	Good	To be removed; protected tree
573	Valley Oak/ <i>Quercus lobata</i>	21"	Good	Good	To be preserved; protected tree
574	California Bay Laurel/ <i>Umbellularia californica</i>	6", 7"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
575	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
576	California Bay Laurel/ <i>Umbellularia californica</i>	9"	Good	Good	To be removed; protected tree
577	Valley Oak/ <i>Quercus lobata</i>	19"	Good	Good	To be removed; protected tree
578	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be removed; protected tree
579	Valley Oak/ <i>Quercus lobata</i>	24"	Good	Excellent	To be removed; protected tree
580	Valley Oak/ <i>Quercus lobata</i>	18"	Good	Good	To be preserved; protected tree
581	California Bay Laurel/ <i>Umbellularia californica</i>	4", 6"	Good	Good	To be preserved; protected tree
582	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
583	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
584	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
585	California Bay Laurel/ <i>Umbellularia californica</i>	10"	Good	Good	To be removed; protected tree
586	California Bay Laurel/ <i>Umbellularia californica</i>	6", 8"	Good	Good	To be removed; protected tree
587	Coast Live Oak/ <i>Quercus agrifolia</i>	68"	Good	Good	To be preserved; will require cabling and pruning
588	California Bay Laurel/ <i>Umbellularia californica</i>	7", 8"	Good	Good	To be removed; protected tree
589	California Bay Laurel/ <i>Umbellularia californica</i>	10"	Good	Good	To be removed; protected tree
590	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
591	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
592	California Bay Laurel/ <i>Umbellularia californica</i>	7", 15", 15"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
593	Coast Live Oak/ <i>Quercus agrifolia</i>	12"	Good	Good	To be removed; protected tree
594	California Bay Laurel/ <i>Umbellularia californica</i>	22", 22", 29"	Good	Good	To be removed; protected tree
595	California Bay Laurel/ <i>Umbellularia californica</i>	33"	Good	Failed	To be removed; protected tree; fallen but alive; mitigation?
596	California Bay Laurel/ <i>Umbellularia californica</i>	12", 15"	Good	Good	To be removed; protected tree
597	California Bay Laurel/ <i>Umbellularia californica</i>	6", 6"	Good	Good	To be removed; protected tree
598	California Bay Laurel/ <i>Umbellularia californica</i>	8"	Good	Good	To be removed; protected tree
599	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
600	California Bay Laurel/ <i>Umbellularia californica</i>	6", 9"	Good	Fair	To be removed; protected tree
601	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
602	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
603	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
604	Coast Live Oak/ <i>Quercus agrifolia</i>	13", 15", 25"	Good	Good	To be removed; protected tree
605	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
606	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
607	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
608	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
609	California Bay Laurel/ <i>Umbellularia californica</i>	7" @ 3'	Good	Good	To be removed; protected tree
610	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
611	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
612	California Bay Laurel/ <i>Umbellularia californica</i>	8"	Good	Good	To be removed; protected tree
613	California Bay Laurel/ <i>Umbellularia californica</i>	4", 6"	Good	Good	To be removed; protected tree
614	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Good	To be removed; protected tree
615	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
616	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
617	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be removed; protected tree
618	Valley Oak/ <i>Quercus lobata</i>	24"	Poor	Fair	To be preserved; protected tree
619	Coast Live Oak/ <i>Quercus agrifolia</i>	11"	Good	Fair	To be removed; protected tree
620	Valley Oak/ <i>Quercus lobata</i>	47"	Good	Fair	To be preserved; protected tree
621	Willow/ <i>Salix sp.</i>	8"	Good	Poor	To be removed; protected tree
622	California Bay Laurel/ <i>Umbellularia californica</i>	11", 11"	Good	Good	To be removed; protected tree
623	California Bay Laurel/ <i>Umbellularia californica</i>	10"	Good	Good	To be removed; protected tree
624	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be removed; protected tree
625	Big Leaf Maple/ <i>Acer macrophyllum</i>	20"	Good	Fair	To be removed; protected tree
626	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be removed; protected tree
627	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	To be removed; protected tree
628	California Bay Laurel/ <i>Umbellularia californica</i>	6", 8"	Good	Good	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
629	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be preserved; protected tree
630	California Bay Laurel/ <i>Umbellularia californica</i>	7"	Good	Good	To be preserved; protected tree
631	Oregon Ash/ <i>Fraxinus latifolia</i>	6"	Good	Good	To be removed; protected tree
632	Oregon Ash/ <i>Fraxinus latifolia</i>	19"	Good	Good	To be removed; protected tree
633	Coast Live Oak/ <i>Quercus agrifolia</i>	20"	Good	Poor	To be preserved; will need clearance pruning
634	California Bay Laurel/ <i>Umbellularia californica</i>	5", 7", 8"	Good	Fair	To be preserved; will need clearance pruning; protected tree
635	Douglas Fir/ <i>Pseudotsuga menziesii</i>	7"	Good	Good	To be removed; protected tree
636	Coast Live Oak/ <i>Quercus agrifolia</i>	40", 48"	Good	Fair	To be preserved; will require extensive clearance pruning; may not survive construction and pruning
637	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be removed; protected tree
638	Big Leaf Maple/ <i>Acer macrophyllum</i>	7"	Good	Poor	To be preserved; protected tree
639	Valley Oak/ <i>Quercus lobata</i>	22"	Good	Good	To be preserved; protected tree
640	Valley Oak/ <i>Quercus lobata</i>	21"	Good	Good	To be preserved; protected tree
641	Coast Live Oak/ <i>Quercus agrifolia</i>	5", 5"	Good	Good	To be preserved; protected tree
642	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be preserved; protected tree
643	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be preserved; protected tree
644	Madrone/ <i>Arbutus menziesii</i>	4"	Good	Good	To be preserved; protected tree
645	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be preserved; protected tree
646	Big Leaf Maple/ <i>Acer macrophyllum</i>	4"	Good	Good	To be preserved; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
647	Big Leaf Maple/ <i>Acer macrophyllum</i>	8"	Good	Good	To be preserved; protected tree
648	Valley Oak/ <i>Quercus lobata</i>	26"	Good	Good	To be preserved; protected tree
649	Douglas Fir/ <i>Pseudotsuga menziesii</i>	6"	Good	Good	To be preserved; protected tree
650	Douglas Fir/ <i>Pseudotsuga menziesii</i>	11"	Good	Good	To be preserved; protected tree
651	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; outside zone of construction impact; protected tree
652	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be preserved; outside zone of construction impact; protected tree
653	California Bay Laurel/ <i>Umbellularia californica</i>	10", 17", 18"	Good	Good	To be preserved; outside zone of construction impact; protected tree
654	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be preserved; outside zone of construction impact; protected tree
655	Coast Live Oak/ <i>Quercus agrifolia</i>	9"	Good	Good	To be preserved; outside zone of construction impact; protected tree
656	Madrone/ <i>Arbutus menziesii</i>	4"	Good	Good	To be preserved; outside zone of construction impact; protected tree
657	Big Leaf Maple/ <i>Acer macrophyllum</i>	4"	Good	Good	To be preserved; outside zone of construction impact; protected tree
658	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Fair	To be preserved; outside zone of construction impact; protected tree
659	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be preserved; outside zone of construction impact; protected tree
660	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be preserved; outside zone of construction impact; protected tree
661	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be preserved; outside zone of construction impact; protected tree
662	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be preserved; outside zone of construction impact; protected tree
663	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be preserved; outside zone of construction impact; protected tree
664	Douglas Fir/ <i>Pseudotsuga menziesii</i>	7"	Good	Good	To be preserved; outside zone of construction impact; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
665	Coast Live Oak/ <i>Quercus agrifolia</i>	12"	Good	Good	To be preserved; outside zone of construction impact; protected tree
666	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be preserved; outside zone of construction impact; protected tree
667	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be preserved; outside zone of construction impact; protected tree
668	Coast Live Oak/ <i>Quercus agrifolia</i>	10"	Good	Good	To be preserved; outside zone of construction impact; protected tree
669	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	To be preserved; outside zone of construction impact; protected tree
670	Douglas Fir/ <i>Pseudotsuga menziesii</i>	7"	Good	Good	To be preserved; outside zone of construction impact; protected tree
671	California Bay Laurel/ <i>Umbellularia californica</i>	11"	Good	Good	To be preserved; outside zone of construction impact; protected tree
672	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be preserved; outside zone of construction impact; protected tree
673	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Good	To be preserved; outside zone of construction impact; protected tree
674	California Bay Laurel/ <i>Umbellularia californica</i>	17"	Good	Good	To be preserved; outside zone of construction impact; protected tree
675	Valley Oak/ <i>Quercus lobata</i>	18"	Good	Good	To be preserved; outside zone of construction impact; protected tree
676	Valley Oak/ <i>Quercus lobata</i>	21"	Good	Good	To be preserved; outside zone of construction impact; protected tree
677	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Poor	To be preserved; outside zone of construction impact; protected tree
678	California Bay Laurel/ <i>Umbellularia californica</i>	20"	Good	Good	To be preserved; outside zone of construction impact; protected tree
679	California Bay Laurel/ <i>Umbellularia californica</i>	18"	Good	Good	To be preserved; outside zone of construction impact; protected tree
680	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	To be removed; protected tree
681	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	To be preserved; will need clearance pruning
682	Coast Live Oak/ <i>Quercus agrifolia</i>	16"	Good	Good	To be preserved; may need clearance pruning

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
683	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be preserved; outside zone of construction impact
684	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be preserved; outside zone of construction impact
685	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be preserved; outside zone of construction impact
686	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be preserved; outside zone of construction impact
687	Coast Live Oak/ <i>Quercus agrifolia</i>	11"	Good	Good	To be preserved; will need clearance pruning
688	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	To be preserved; may need clearance pruning
689	Valley Oak/ <i>Quercus lobata</i>	32"	Good	Good	To be preserved; outside zone of construction impact
690	Valley Oak/ <i>Quercus lobata</i>	24"	Good	Good	To be preserved; protected tree
691	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be removed; protected tree
692	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be removed; protected tree
693	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
694	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be removed; protected tree
695	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be removed; protected tree
696	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be removed; protected tree
697	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
698	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be removed; protected tree
699	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
700	Coast Live Oak/ <i>Quercus agrifolia</i>	6", 7", 7", 9"	Good	Poor	To be removed; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
701	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be removed; protected tree
702	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be removed; protected tree
703	Coast Live Oak/ <i>Quercus agrifolia</i>	11"	Good	Good	To be removed; protected tree
704	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be removed; protected tree
705	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Good	To be removed; protected tree
706	Coast Live Oak/ <i>Quercus agrifolia</i>	4", 7"	Good	Fair	To be removed; protected tree
707	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be preserved; protected tree
708	Coast Live Oak/ <i>Quercus agrifolia</i>	10" @ 2.5'	Good	Good	To be removed; protected tree
709	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be preserved; protected tree
710	Coast Live Oak/ <i>Quercus agrifolia</i>	7", 8"	Good	Fair	To be preserved; protected tree
711	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Fair	To be preserved; protected tree
712	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be preserved; protected tree
713	Valley Oak/ <i>Quercus lobata</i>	58"	Good	Good	To be preserved; outside zone of construction impact
714	California Bay Laurel/ <i>Umbellularia californica</i>	47" @ 3'	Good	Good	To be preserved; protected tree
715	Valley Oak/ <i>Quercus lobata</i>	26"	Good	Fair	To be preserved; protected tree
716	Valley Oak/ <i>Quercus lobata</i>	29"	Good	Good	To be preserved; outside zone of construction impact
717	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Poor	To be preserved; protected tree
718	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be preserved; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
719	California Bay Laurel/ <i>Umbellularia californica</i>	7"	Good	Good	To be preserved; outside zone of construction impact
720	California Bay Laurel/ <i>Umbellularia californica</i>	4", 6"	Good	Poor	To be preserved; outside zone of construction impact
721	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Poor	To be preserved; outside zone of construction impact
722	California Bay Laurel/ <i>Umbellularia californica</i>	4,5,7,7, 8,9,13"	Good	Good	To be preserved; outside zone of construction impact
723	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be preserved; outside zone of construction impact
724	Valley Oak/ <i>Quercus lobata</i>	7"	Good	Good	To be preserved; outside zone of construction impact
725	Valley Oak/ <i>Quercus lobata</i>	9"	Good	Good	To be preserved; outside zone of construction impact
726	Black Oak/ <i>Quercus kelloggii</i>	11"	Good	Fair	To be preserved; outside zone of construction impact
727	Black Oak/ <i>Quercus kelloggii</i>	14"	Good	Good	To be preserved; outside zone of construction impact
728	California Bay Laurel <i>/Umbellularia californica</i>	20" @ 3'	Good	Good	To be preserved; may need clearance pruning
729	Valley Oak/ <i>Quercus lobata</i>	19", 22"	Good	Good	To be removed; protected tree
730	Hybrid Oak/ <i>Quercus x sp.</i>	17"	Good	Fair	To be preserved; outside zone of construction impact
731	California Bay Laurel/ <i>Umbellularia californica</i>	7" @ 3'	Good	Good	To be preserved; outside zone of construction impact
732	Black Oak/ <i>Quercus kelloggii</i>	7"	Good	Good	To be preserved; outside zone of construction impact
733	California Bay Laurel/ <i>Umbellularia californica</i>	6", 11" @ 3'	Good	Good	To be preserved; outside zone of construction impact
734	Hybrid Oak/ <i>Quercus x sp.</i>	10"	Good	Poor	To be preserved; outside zone of construction impact
735	California Bay Laurel/ <i>Umbellularia californica</i>	10"	Good	Good	To be preserved; outside zone of construction impact
736	Black Oak/ <i>Quercus kelloggii</i>	9"	Good	Fair	To be preserved; outside zone of construction impact

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
737	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; outside zone of construction impact
738	Hybrid Oak/ <i>Quercus x sp.</i>	18"	Good	Good	To be preserved; outside zone of construction impact
739	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be preserved; outside zone of construction impact
740	California Bay Laurel/ <i>Umbellularia californica</i>	12" @ 3'	Good	Good	To be preserved; outside zone of construction impact
741	Hybrid Oak/ <i>Quercus x sp.</i>	18"	Good	Good	To be preserved; outside zone of construction impact
742	California Bay Laurel/ <i>Umbellularia californica</i>	29" @ 3'	Good	Good	To be preserved; outside zone of construction impact
743	Valley Oak/ <i>Quercus lobata</i>	23"	Good	Good	To be preserved; outside zone of construction impact
744	California Bay Laurel/ <i>Umbellularia californica</i>	15"	Good	Good	To be preserved; outside zone of construction impact
745	Valley Oak/ <i>Quercus lobata</i>	14"	Poor	Poor	To be preserved; outside zone of construction impact
746	California Bay Laurel/ <i>Umbellularia californica</i>	6", 9"	Good	Good	To be preserved; outside zone of construction impact
747	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; outside zone of construction impact
748	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; outside zone of construction impact
749	Coast Live Oak/ <i>Quercus agrifolia</i>	16"	Good	Good	To be preserved; outside zone of construction impact
750	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be preserved; outside zone of construction impact
751	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; outside zone of construction impact
752	Valley Oak/ <i>Quercus lobata</i>	18"	Good	Good	To be preserved; outside zone of construction impact
753	Hybrid Oak/ <i>Quercus x sp.</i>	20"	Good	Good	To be preserved; outside zone of construction impact
754	California Bay Laurel/ <i>Umbellularia californica</i>	7", 9"	Good	Good	To be preserved; outside zone of construction impact

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
755	California Bay Laurel/ <i>Umbellularia californica</i>	9"	Good	Good	To be preserved; outside zone of construction impact
756	Valley Oak/ <i>Quercus lobata</i>	14", 26"	Good	Good	To be preserved; outside zone of construction impact
757	Valley Oak/ <i>Quercus lobata</i>	5"	Good	Good	To be preserved; outside zone of construction impact
758	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; outside zone of construction impact
759	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; outside zone of construction impact
760	California Bay Laurel/ <i>Umbellularia californica</i>	15"	Good	Good	To be preserved; outside zone of construction impact
761	California Bay Laurel/ <i>Umbellularia californica</i>	9"	Good	Good	To be preserved; outside zone of construction impact
762	California Bay Laurel/ <i>Umbellularia californica</i>	9"	Good	Fair	To be preserved; outside zone of construction impact
763	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Poor	To be preserved; outside zone of construction impact
764	Valley Oak/ <i>Quercus lobata</i>	11", 12"	Good	Good	To be preserved; outside zone of construction impact
765	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be preserved; outside zone of construction impact
766	Hybrid Oak/ <i>Quercus x sp.</i>	12"	Good	Good	To be preserved; outside zone of construction impact
767	California Bay Laurel/ <i>Umbellularia californica</i>	8", 8"	Good	Good	To be preserved; outside zone of construction impact
768	California Bay Laurel/ <i>Umbellularia californica</i>	13"	Good	Good	To be preserved; outside zone of construction impact
769	Valley Oak/ <i>Quercus lobata</i>	16", 45"	Good	Good	To be preserved; outside zone of construction impact
770	California Bay Laurel/ <i>Umbellularia californica</i>	7", 9"	Good	Good	To be preserved; outside zone of construction impact
771	California Bay Laurel/ <i>Umbellularia californica</i>	6", 7"	Good	Good	To be preserved; outside zone of construction impact
772	Valley Oak/ <i>Quercus lobata</i>	8"	Good	Good	To be preserved; outside zone of construction impact

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
773	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be preserved; outside zone of construction impact
774	California Bay Laurel/ <i>Umbellularia californica</i>	8"	Good	Good	To be preserved; outside zone of construction impact
775	California Bay Laurel/ <i>Umbellularia californica</i>	7", 8"	Good	Fair	To be preserved; outside zone of construction impact
776	Valley Oak/ <i>Quercus lobata</i>	12", 14"	Good	Fair	To be preserved; outside zone of construction impact
777	Valley Oak/ <i>Quercus lobata</i>	24"	Good	Good	To be preserved; outside zone of construction impact
778	Coast Live Oak/ <i>Quercus agrifolia</i>	17"	Good	Good	To be preserved; outside zone of construction impact
779	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be preserved; outside zone of construction impact
780	California Bay Laurel/ <i>Umbellularia californica</i>	10"	Good	Good	To be preserved; outside zone of construction impact
781	Valley Oak/ <i>Quercus lobata</i>	11"	Good	Good	To be preserved; outside zone of construction impact
782	Valley Oak/ <i>Quercus lobata</i>	7"	Good	Good	To be preserved; outside zone of construction impact
783	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	To be preserved; outside zone of construction impact
784	California Bay Laurel/ <i>Umbellularia californica</i>	9"	Good	Good	To be preserved; outside zone of construction impact
785	Valley Oak/ <i>Quercus lobata</i>	17"	Good	Good	To be preserved; outside zone of construction impact
786	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; outside zone of construction impact
787	Coast Live Oak/ <i>Quercus agrifolia</i>	21" @ 2.5'	Good	Good	To be preserved; outside zone of construction impact
788	Black Oak/ <i>Quercus kelloggii</i>	7"	Good	Good	To be preserved; outside zone of construction impact
789	Black Oak/ <i>Quercus kelloggii</i>	14"	Good	Good	To be preserved; outside zone of construction impact
790	Coast Live Oak/ <i>Quercus agrifolia</i>	14"	Good	Good	To be preserved; outside zone of construction impact

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
791	Oregon Ash/ <i>Fraxinus latifolia</i>	15"	Good	Good	To be preserved; outside zone of construction impact
792	Black Oak/ <i>Quercus kelloggii</i>	32"	Good	Excellent	To be preserved; outside zone of construction impact
793	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be preserved; outside zone of construction impact
794	Valley Oak/ <i>Quercus lobata</i>	24"	Good	Fair	To be preserved; outside zone of construction impact
795	Black Oak/ <i>Quercus kelloggii</i>	24" @ 3'	Good	Fair	To be preserved; will need clearance pruning; protected tree
796	Coast Live Oak/ <i>Quercus agrifolia</i>	9"	Good	Good	To be preserved; outside zone of construction impact
797	California Bay Laurel/ <i>Umbellularia californica</i>	6"	Good	Good	To be preserved; outside zone of construction impact
798	Black Oak/ <i>Quercus kelloggii</i>	22"	Good	Good	To be preserved; outside zone of construction impact
799	Black Oak/ <i>Quercus kelloggii</i>	18", 19"	Good	Fair	To be preserved; outside zone of construction impact
800	Coast Live Oak/ <i>Quercus agrifolia</i>	9"	Good	Good	To be preserved; outside zone of construction impact
801	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be preserved; outside zone of construction impact
802	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; outside zone of construction impact
803	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be preserved; outside zone of construction impact
804	Coast Live Oak/ <i>Quercus agrifolia</i>	4"	Good	Fair	To be preserved; outside zone of construction impact
805	Oregon Ash/ <i>Fraxinus latifolia</i>	9"	Good	Good	To be preserved; protected tree
806	California Bay Laurel/ <i>Umbellularia californica</i>	7"	Good	Good	To be removed; protected tree
807	Black Oak/ <i>Quercus kelloggii</i>	9"	Fair	Poor	To be preserved; protected tree
808	Coast Live Oak/ <i>Quercus agrifolia</i>	7"	Good	Good	To be preserved; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
809	Coast Live Oak/ <i>Quercus agrifolia</i>	19"	Good	Good	To be preserved; may need clearance pruning; protected tree
810	Big Leaf Maple/ <i>Acer macrophyllum</i>	13"	Good	Good	To be preserved; outside zone of construction impact
811	California Bay Laurel/ <i>Umbellularia californica</i>	12"	Good	Good	To be preserved; outside zone of construction impact
812	Black Oak/ <i>Quercus kelloggii</i>	20", 25"	Good	Fair	To be preserved; outside zone of construction impact
813	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be preserved; outside zone of construction impact
814	Valley Oak/ <i>Quercus lobata</i>	12"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone
815	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Fair	To be preserved; outside zone of construction impact
816	Big Leaf Maple/ <i>Acer macrophyllum</i>	15"	Good	Good	To be preserved; outside zone of construction impact
817	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	To be preserved; outside zone of construction impact
818	Big Leaf Maple/ <i>Acer macrophyllum</i>	10"	Good	Good	To be preserved; outside zone of construction impact
819	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be preserved; outside zone of construction impact
820	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be preserved; outside zone of construction impact
821	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be preserved; outside zone of construction impact
822	California Bay Laurel/ <i>Umbellularia californica</i>	4"	Good	Good	To be preserved; outside zone of construction impact
823	California Bay Laurel/ <i>Umbellularia californica</i>	5"	Good	Good	To be preserved; outside zone of construction impact
824	Valley Oak/ <i>Quercus lobata</i>	20"	Good	Good	To be preserved; outside zone of construction impact
825	Douglas Fir/ <i>Pseudotsuga menziesii</i>	5"	Good	Good	To be preserved; outside zone of construction impact
826	Black Oak/ <i>Quercus kelloggii</i>	33"	Good	Good	To be preserved; outside zone of construction impact

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
827	Big Leaf Maple/ <i>Acer macrophyllum</i>	15"	Good	Good	To be preserved; outside zone of construction impact
828	Oregon Ash/ <i>Fraxinus latifolia</i>	15"	Good	Good	To be preserved; outside zone of construction impact
829	California Bay Laurel/ <i>Umbellularia californica</i>	4", 4", 5"	Good	Good	To be preserved; outside zone of construction impact
830	Big Leaf Maple/ <i>Acer macrophyllum</i>	17"	Good	Fair	To be preserved; will need clearance pruning; minimize grading within rootzone
831	Coast Live Oak/ <i>Quercus agrifolia</i>	8"	Good	Good	To be preserved; outside zone of construction impact
832	Black Oak/ <i>Quercus kelloggii</i>	17"	Good	Good	To be preserved; may need clearance pruning; protected tree
833	California Bay Laurel/ <i>Umbellularia californica</i>	8" @ 3'	Good	Fair	To be preserved; outside zone of construction impact
834	Valley Oak/ <i>Quercus lobata</i>	17", 21"	Good	Fair	To be preserved; outside zone of construction impact
835	California Bay Laurel/ <i>Umbellularia californica</i>	10"	Good	Good	To be preserved; outside zone of construction impact
836	Valley Oak/ <i>Quercus lobata</i>	15"	Good	Good	To be preserved; may need clearance pruning; protected tree
837	Coast Live Oak/ <i>Quercus agrifolia</i>	21"	Good	Good	To be preserved; outside zone of construction impact
838	Coast Live Oak/ <i>Quercus agrifolia</i>	12"	Good	Good	To be preserved; may need clearance pruning
839	Coast Live Oak/ <i>Quercus agrifolia</i>	16"	Good	Fair	To be preserved; outside zone of construction impact
840	Coast Live Oak/ <i>Quercus agrifolia</i>	5"	Good	Good	To be preserved; outside zone of construction impact
841	Coast Live Oak/ <i>Quercus agrifolia</i>	6"	Good	Good	To be preserved; outside zone of construction impact
842	Coast Live Oak/ <i>Quercus agrifolia</i>	12"	Good	Good	To be preserved; outside zone of construction impact
843	California Bay Laurel/ <i>Umbellularia californica</i>	21"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone
844	California Bay Laurel/ <i>Umbellularia californica</i>	9", 9"	Good	Fair	To be preserved; protected tree

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
845	Coast Live Oak/ <i>Quercus agrifolia</i>	11"			To be preserved; protected tree; will need clearance pruning
846	Big Leaf Maple/ <i>Acer macrophyllum</i>	28"	Good	Fair	To be preserved; protected tree; will require clearance pruning and hazard reduction pruning
847	Coast Live Oak/ <i>Quercus agrifolia</i>	12"	Good	Good	To be preserved; outside zone of construction impact
848	Valley Oak/ <i>Quercus lobata</i>	15"	Good	Good	To be preserved; outside zone of construction impact
849	Valley Oak/ <i>Quercus lobata</i>	13"	Good	Good	To be preserved; outside zone of construction impact
850	Black Oak/ <i>Quercus kelloggii</i>	21", 32"	Good	Good	To be preserved; outside zone of construction impact
851	Douglas Fir/ <i>Pseudotsuga menziesii</i>	14"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone
852	Valley Oak/ <i>Quercus lobata</i>	16"	Good	Good	To be preserved; will need clearance pruning; minimize grading within rootzone
853	California Bay Laurel/ <i>Umbellularia californica</i>	8"	Good	Good	To be preserved; may need clearance pruning
854	California Bay Laurel/ <i>Umbellularia californica</i>	14"	Good	Good	To be preserved; will need clearance pruning; some root loss
855	California Bay Laurel/ <i>Umbellularia californica</i>	9"	Good	Fair	To be preserved; may need clearance pruning
856	Coast Live Oak/ <i>Quercus agrifolia</i>	31"	Fair	Poor	To be preserved; may need clearance pruning; assess condition at time of construction
857	Valley Oak/ <i>Quercus lobata</i>	23"	Good	Good	To be preserved; may need clearance pruning
858	Valley Oak/ <i>Quercus lobata</i>	21"	Good	Good	To be removed; protected tree
859	Valley Oak/ <i>Quercus lobata</i>	36"	Good	Good	To be preserved; half of tree is dead, good habitat; minimize grading within rootzone
860	Valley Oak/ <i>Quercus lobata</i>	10"	Good	Good	To be preserved; outside zone of construction impact
861	Valley Oak/ <i>Quercus lobata</i>	14"	Good	Good	To be preserved; outside zone of construction impact
862	Valley Oak/ <i>Quercus lobata</i>	18", 25"	Good	Good	To be preserved; outside zone of construction impact

ELNOKA CCRC - SANTA ROSA

TREE #	SPECIES	DIAMETER (In.)	GEN.HEALTH CONDITION	STRUCTURE	CONSTRUCTION IMPACT/RECOMMENDATIONS
863	Valley Oak/ <i>Quercus lobata</i>	15" @ 3'	Good	Good	To be preserved; may need clearance pruning; minimize grading within rootzone
864	Valley Oak/ <i>Quercus lobata</i>	37" @ 3'	Good	Good	To be preserved; may need clearance pruning; minimize grading within rootzone
865	Black Walnut/ <i>Juglans nigra</i>	38"	Fair	Poor	To be preserved; may need clearance pruning; minimize grading within rootzone
866	Monterey Pine/ <i>Pinus radiata</i>	18"	Fair	Good	To be preserved; not a protected tree; may be dying, reassess

D.2 - CNNDB, CNPS, and USFWS Inventory Results

THIS PAGE INTENTIONALLY LEFT BLANK



Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad IS (Santa Rosa (3812246) OR Kenwood (3812245))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Accipiter cooperii</i> Cooper's hawk	ABNKC12040	None	None	G5	S4	WL
<i>Allium peninsulare</i> var. <i>franciscanum</i> Franciscan onion	PMLIL021R1	None	None	G5T2	S2	1B.2
<i>Alopecurus aequalis</i> var. <i>sonomensis</i> Sonoma alopecurus	PMPOA07012	Endangered	None	G5T1	S1	1B.1
<i>Ambystoma californiense</i> California tiger salamander	AAAAA01180	Threatened	Threatened	G2G3	S2S3	WL
<i>Amorpha californica</i> var. <i>napensis</i> Napa false indigo	PDFAB08012	None	None	G4T2	S2	1B.2
<i>Amsinckia lunaris</i> bent-flowered fiddleneck	PDBOR01070	None	None	G3	S3	1B.2
<i>Andrena blennospermatis</i> Blennosperma vernal pool andrenid bee	IIHYM35030	None	None	G2	S2	
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G5	S3	SSC
<i>Arctostaphylos stanfordiana</i> ssp. <i>decumbens</i> Rincon Ridge manzanita	PDERI041G4	None	None	G3T1	S1	1B.1
<i>Astragalus claranus</i> Clara Hunt's milk-vetch	PDFAB0F240	Endangered	Threatened	G1	S1	1B.1
<i>Balsamorhiza macrolepis</i> big-scale balsamroot	PDAST11061	None	None	G2	S2	1B.2
<i>Blennosperma bakeri</i> Sonoma sunshine	PDAST1A010	Endangered	Endangered	G1	S1	1B.1
<i>Bombus caliginosus</i> obscure bumble bee	IIHYM24380	None	None	G4?	S1S2	
<i>Bombus occidentalis</i> western bumble bee	IIHYM24250	None	Candidate Endangered	G2G3	S1	
<i>Brodiaea leptandra</i> narrow-anthered brodiaea	PMLIL0C022	None	None	G3?	S3?	1B.2
<i>Ceanothus confusus</i> Rincon Ridge ceanothus	PDRHA04220	None	None	G1	S1	1B.1
<i>Ceanothus divergens</i> Calistoga ceanothus	PDRHA04240	None	None	G2	S2	1B.2
<i>Ceanothus purpureus</i> holly-leaved ceanothus	PDRHA04160	None	None	G2	S2	1B.2
<i>Ceanothus sonomensis</i> Sonoma ceanothus	PDRHA04420	None	None	G2	S2	1B.2
<i>Coturnicops noveboracensis</i> yellow rail	ABNME01010	None	None	G4	S1S2	SSC



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Dicamptodon ensatus</i> California giant salamander	AAAAH01020	None	None	G3	S2S3	SSC
<i>Downingia pusilla</i> dwarf downingia	PDCAM060C0	None	None	GU	S2	2B.2
<i>Elanus leucurus</i> white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Fritillaria liliacea</i> fragrant fritillary	PMLIL0V0C0	None	None	G2	S2	1B.2
<i>Hemizonia congesta ssp. congesta</i> congested-headed hayfield tarplant	PDAST4R065	None	None	G5T2	S2	1B.2
<i>Hydroporus leechi</i> Leech's skyline diving beetle	IICOL55040	None	None	G1?	S1?	
<i>Lasthenia burkei</i> Burke's goldfields	PDAST5L010	Endangered	Endangered	G1	S1	1B.1
<i>Layia septentrionalis</i> Colusa layia	PDAST5N0F0	None	None	G2	S2	1B.2
<i>Leptosiphon jepsonii</i> Jepson's leptosiphon	PDPLM09140	None	None	G2G3	S2S3	1B.2
<i>Limnanthes vincularis</i> Sebastopol meadowfoam	PDLIM02090	Endangered	Endangered	G1	S1	1B.1
<i>Linderiella occidentalis</i> California linderiella	ICBRA06010	None	None	G2G3	S2S3	
<i>Navarretia leucocephala ssp. bakeri</i> Baker's navarretia	PDPLM0C0E1	None	None	G4T2	S2	1B.1
<i>Northern Vernal Pool</i> Northern Vernal Pool	CTT44100CA	None	None	G2	S2.1	
<i>Penstemon newberryi var. sonomensis</i> Sonoma beardtongue	PDSCR1L483	None	None	G4T2	S2	1B.3
<i>Rana boylei</i> foothill yellow-legged frog	AAABH01050	None	Candidate Threatened	G3	S3	SSC
<i>Rana draytonii</i> California red-legged frog	AAABH01022	Threatened	None	G2G3	S2S3	SSC
<i>Sidalcea oregana ssp. valida</i> Kenwood Marsh checkerbloom	PDMAL110K5	Endangered	Endangered	G5T1	S1	1B.1
<i>Syncaris pacifica</i> California freshwater shrimp	ICMAL27010	Endangered	Endangered	G2	S2	
<i>Taricha rivularis</i> red-bellied newt	AAAAF02020	None	None	G4	S2	SSC
<i>Trifolium amoenum</i> two-fork clover	PDFAB40040	Endangered	None	G1	S1	1B.1



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Trifolium buckwestiorum</i> Santa Cruz clover	PDFAB402W0	None	None	G2	S2	1B.1
<i>Trifolium hydrophilum</i> saline clover	PDFAB400R5	None	None	G2	S2	1B.2
<i>Triquetrella californica</i> coastal triquetrella	NBMUS7S010	None	None	G2	S2	1B.2
Valley Needlegrass Grassland Valley Needlegrass Grassland	CTT42110CA	None	None	G3	S3.1	
<i>Viburnum ellipticum</i> oval-leaved viburnum	PDCPR07080	None	None	G4G5	S3?	2B.3

Record Count: 46

*The database used to provide updates to the Online Inventory is under construction. [View updates and changes made since May 2019 here.](#)

Plant List

43 matches found. [Click on scientific name for details](#)

Search Criteria

Found in Quads 3812246 and 3812245;

[Modify Search Criteria](#) [Export to Excel](#) [Modify Columns](#) [Modify Sort](#) [Remove Photos](#)

Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank	Photo
Allium peninsulare var. franciscanum	Franciscan onion	Alliaceae	perennial bulbiferous herb	(Apr)May-Jun	1B.2	S2	G5T2	
Alopecurus aequalis var. sonomensis	Sonoma alopecurus	Poaceae	perennial herb	May-Jul	1B.1	S1	G5T1	
Amorpha californica var. napensis	Napa false indigo	Fabaceae	perennial deciduous shrub	Apr-Jul	1B.2	S2	G4T2	

2007 Toni Corelli

2010 Robert Steers/NPS

2014 Zoya Akulova

Amsinckia
lunarisbent-flowered
fiddleneck

Boraginaceae

annual herb

Mar-Jun

1B.2 S3

G3



2011 Neal Kramer

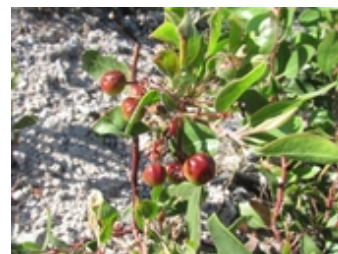
Arctostaphylos
stanfordiana
ssp.
decumbensRincon Ridge
manzanita

Ericaceae

perennial
evergreen
shrubFeb-
Apr(May)

1B.1 S1

G3T1



2012 Aaron Arthur

Astragalus
claranusClara Hunt's
milk-vetch

Fabaceae

annual herb

Mar-May

1B.1 S1

G1



2011 Jake Ruygt

Balsamorhiza
macrolepisbig-scale
balsamroot

Asteraceae

perennial herb

Mar-Jun

1B.2 S2

G2



1998 Dean Wm. Taylor

Blennosperma
bakeriSonoma
sunshine

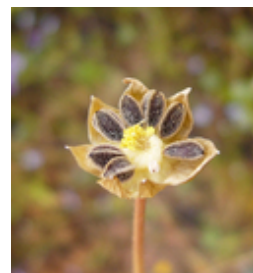
Asteraceae

annual herb

Mar-May

1B.1 S1

G1



2010 Zoya Akulova

Brodiaea
leptandranarrow-
anthered
brodiaea

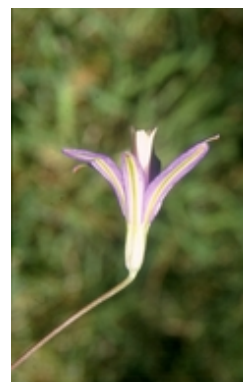
Themidaceae

perennial
bulbiferous
herb

May-Jul

1B.2 S3?

G3?

2004 Robert E.
Preston, Ph.D.

<u>Calamagrostis</u> <u>ophitidis</u>	serpentine reed grass	Poaceae	perennial herb	Apr-Jul	4.3	S3	G3
--	--------------------------	---------	----------------	---------	-----	----	----



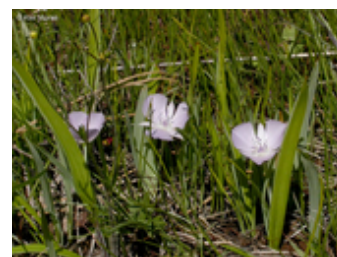
2003 Doreen L. Smith

<u>Calandrinia</u> <u>breweri</u>	Brewer's calandrinia	Montiaceae	annual herb	(Jan)Mar- Jun	4.2	S4	G4
--------------------------------------	-------------------------	------------	-------------	------------------	-----	----	----



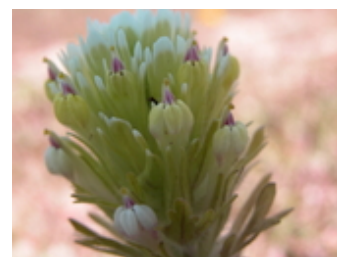
2009 Barry Breckling

<u>Calochortus</u> <u>uniflorus</u>	pink star-tulip	Liliaceae	perennial bulbiferous herb	Apr-Jun	4.2	S4	G4
--	-----------------	-----------	----------------------------------	---------	-----	----	----



2008 Keir Morse

<u>Castilleja</u> <u>ambigua</u> var. <u>ambigua</u>	johnny-nip	Orobanchaceae	annual herb (hemiparasitic)	Mar-Aug	4.2	S3S4	G4T4
--	------------	---------------	--------------------------------	---------	-----	------	------



2010 Toni Corelli

<u>Ceanothus</u> <u>confusus</u>	Rincon Ridge ceanothus	Rhamnaceae	perennial evergreen shrub	Feb-Jun	1B.1	S1	G1
-------------------------------------	---------------------------	------------	---------------------------------	---------	------	----	----



2006 Barrett Jeffery

<u>Ceanothus</u> <u>divergens</u>	Calistoga ceanothus	Rhamnaceae	perennial evergreen shrub	Feb-Apr	1B.2	S2	G2
--------------------------------------	------------------------	------------	---------------------------------	---------	------	----	----

Ceanothus
gloriosus var.
exaltatus

glory brush

Rhamnaceae

perennial
evergreen
shrub

Mar-
Jun(Aug)

4.3

S4

G4T4



2006 Steve Matson



2010 Neal Kramer

Ceanothus
purpureus

holly-leaved
ceanothus

Rhamnaceae

perennial
evergreen
shrub

Feb-Jun

1B.2

S2

G2



2008 Jorg Fleige

Ceanothus
sonomensis

Sonoma
ceanothus

Rhamnaceae

perennial
evergreen
shrub

Feb-Apr

1B.2

S2

G2



1998 Dean Wm. Taylor

Clarkia breweri

Brewer's
clarkia

Onagraceae

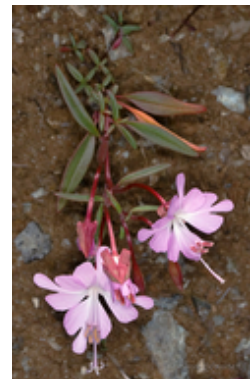
annual herb

Apr-Jun

4.2

S4

G4



2011 Aaron Schusteff

Cordylanthus
tenuis ssp.
brunneus

serpentine
bird's-beak

Orobanchaceae

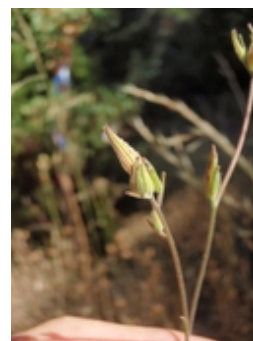
annual herb
(hemiparasitic)

Jul-Aug

4.3

S3

G4G5T3



2009 Aaron Arthur

[Downingia pusilla](#)

dwarf
downingia

Campanulaceae

annual herb

Mar-May

2B.2

S2

GU



2011 Dylan Neubauer

[Erigeron biolettii](#)

streamside
daisy

Asteraceae

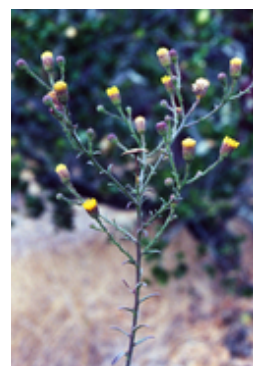
perennial herb

Jun-Oct

3

S3?

G3?



2003 Doreen L. Smith

[Fritillaria liliacea](#)

fragrant
fritillary

Liliaceae

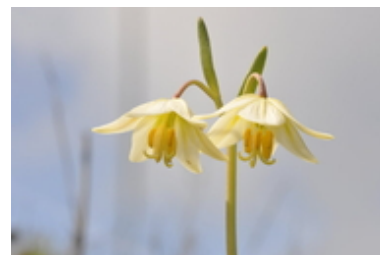
perennial
bulbiferous
herb

Feb-Apr

1B.2

S2

G2



2009 Shawn DeCew

[Hemizonia congesta ssp. congesta](#)

congested-
headed
hayfield
tarplant

Asteraceae

annual herb

Apr-Nov

1B.2

S2

G5T2



2015 John Doyen

[Iris longipetala](#)

coast iris

Iridaceae

perennial
rhizomatous
herb

Mar-May

4.2

S3

G3



2014 Aaron Schusteff

[Lasthenia](#)
[burkei](#)

Burke's
goldfields

Asteraceae

annual herb

Apr-Jun

1B.1 S1

G1



2002 John Game

[Layia](#)
[septentrionalis](#)

Colusa layia

Asteraceae

annual herb

Apr-May

1B.2 S2

G2



2008 Aaron Arthur

[Leptosiphon](#)
[acicularis](#)

bristly
leptosiphon

Polemoniaceae

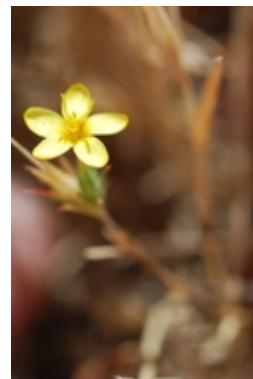
annual herb

Apr-Jul

4.2

S4?

G4?



2009 Genevieve K. Walden

[Leptosiphon](#)
[jepsonii](#)

Jepson's
leptosiphon

Polemoniaceae

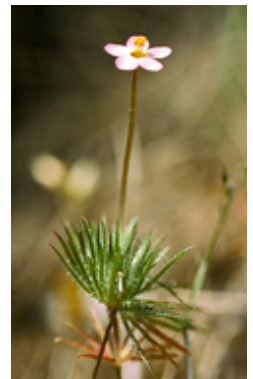
annual herb

Mar-May

1B.2

S2S3

G2G3



2009 Bob Patterson
and CNPSLessingia
hololeucawoolly-
headed
lessingia

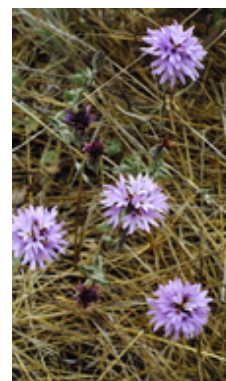
Asteraceae

annual herb

Jun-Oct

3

S2S3 G3?



2006 Doreen L. Smith

Limnanthes
vinculansSebastopol
meadowfoam

Limnanthaceae

annual herb

Apr-May

1B.1 S1

G1

Jo-Ann Ordano 2005
California Academy of
SciencesLomatium
repostumNapa
lomatium

Apiaceae

perennial herb

Mar-Jun

4.3

S3

G3



2006 Jeffery Barrett

Navarretia
heterandraTehama
navarretia

Polemoniaceae

annual herb

Apr-Jun

4.3

S4

G4



2008 Steve Matson

Navarretia
leucocephala
ssp. bakeriBaker's
navarretia

Polemoniaceae

annual herb

Apr-Jul

1B.1 S2

G4T2



2003 Doreen L. Smith

Navarretia
leucocephalamany-
flowered

Polemoniaceae

annual herb

May-Jun

1B.2 S1

G4T1

no photo available

ssp. plieantha navarretia

Penstemon
newberryi var.
sonomensis

Sonoma
beardtongue

Plantaginaceae

perennial herb

Apr-Aug

1B.3 S2

G4T2



1995 Saint Mary's College of California

Ranunculus
lobbii

Lobb's
aquatic
buttercup

Ranunculaceae

annual herb
(aquatic)

Feb-May

4.2 S3

G4



2008 Jorg Fleige

Sidalcea
oregana ssp.
valida

Kenwood
Marsh
checkerbloom

Malvaceae

perennial
rhizomatous
herb

Jun-Sep

1B.1 S1

G5T1



2010 US Fish & Wildlife Service

Trifolium
amoenum

two-fork
clover

Fabaceae

annual herb

Apr-Jun

1B.1 S1

G1



2009 Doreen L. Smith

Trifolium
buckwestiorum

Santa Cruz
clover

Fabaceae

annual herb

Apr-Oct

1B.1 S2

G2



1997 Doreen L. Smith

Trifolium
hydrophilum

saline clover

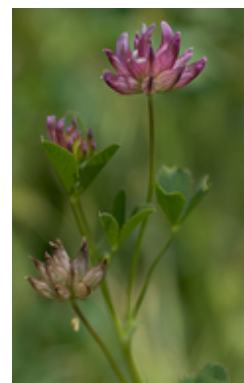
Fabaceae

annual herb

Apr-Jun

1B.2 S2

G2



2005 Aaron Schusteff

[Triquetrella californica](#)

coastal
triquetrella

Pottiaceae

moss

1B.2 S2 G2

no photo available

[Viburnum ellipticum](#)

oval-leaved
viburnum

Adoxaceae

perennial
deciduous
shrub

May-Jun 2B.3 S3? G4G5



2006 Tom Engstrom

Suggested Citation

California Native Plant Society, Rare Plant Program. 2019. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website <http://www.rareplants.cnps.org> [accessed 01 November 2019].

Search the Inventory

[Simple Search](#)

[Advanced Search](#)

[Glossary](#)

Information

[About the Inventory](#)

[About the Rare Plant Program](#)

[CNPS Home Page](#)

[About CNPS](#)

[Join CNPS](#)

Contributors

[The Calflora Database](#)

[The California Lichen Society](#)

[California Natural Diversity Database](#)

[The Jepson Flora Project](#)

[The Consortium of California Herbaria](#)

[CalPhotos](#)

Questions and Comments

rareplants@cnps.org

© Copyright 2010-2018 California Native Plant Society. All rights reserved.

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Sonoma County, California



Local office

Sacramento Fish And Wildlife Office

☎ (916) 414-6600

📠 (916) 414-6713

Federal Building

2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service.

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.

The following species are potentially affected by activities in this location:

Birds

NAME	STATUS
Northern Spotted Owl <i>Strix occidentalis caurina</i> There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. https://ecos.fws.gov/ecp/species/1123	Threatened

Amphibians

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. https://ecos.fws.gov/ecp/species/2891	Threatened
California Tiger Salamander <i>Ambystoma californiense</i> There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. https://ecos.fws.gov/ecp/species/2076	Endangered

Fishes

NAME	STATUS
Delta Smelt <i>Hypomesus transpacificus</i> There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. https://ecos.fws.gov/ecp/species/321	Threatened
Steelhead <i>Oncorhynchus</i> (=Salmo) <i>mykiss</i> There is a final critical habitat designated for this species. Your location is outside the designated critical habitat. https://ecos.fws.gov/ecp/species/1007	Threatened

Insects

NAME	STATUS
San Bruno Elfin Butterfly <i>Callophrys mossii bayensis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3394	Endangered

Crustaceans

NAME	STATUS
------	--------

California Freshwater Shrimp *Syncaris pacifica*
 No critical habitat has been designated for this species.
<https://ecos.fws.gov/ecp/species/7903>

Endangered

Flowering Plants

NAME	STATUS
Burke's Goldfields <i>Lasthenia burkei</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/4338	Endangered
Clara Hunt's Milk-vetch <i>Astragalus clarianus</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3300	Endangered
Kenwood Marsh Checker-mallow <i>Sidalcea oregana</i> ssp. <i>valida</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1622	Endangered
Sebastopol Meadowfoam <i>Limnanthes vinculans</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/404	Endangered
Showy Indian Clover <i>Trifolium amoenum</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/6459	Endangered
Sonoma Alopecurus <i>Alopecurus aequalis</i> var. <i>sonomensis</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/557	Endangered
Sonoma Sunshine <i>Blennosperma bakeri</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1260	Endangered
White Sedge <i>Carex albida</i> No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/3063	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any activity that results in the take (to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct) of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service³. There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

Any person or organization who plans or conducts activities that may result in the take of migratory birds is responsible for complying with the appropriate regulations and implementing appropriate conservation measures.

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Conservation measures for birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Year-round bird occurrence data <http://www.birdscanada.org/birdmon/default/datasummaries.jsp>

The migratory birds species listed below are species of particular conservation concern (e.g. [Birds of Conservation Concern](#)) that may be potentially affected by activities in this location. It is not a list of every bird species you may find in this location, nor a guarantee that all of the bird species on this list will be found on or near this location. Although it is important to try to avoid and minimize impacts to all birds, special attention should be made to avoid and minimize impacts to birds of priority concern. To view available data on other bird species that may occur in your project area, please visit the [AKN Histogram Tools](#) and [Other Bird Data Resources](#). To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

NAME	SEASON(S)
Allen's Hummingbird <i>Selasphorus sasin</i> https://ecos.fws.gov/ecp/species/9637	Migrating

Bald Eagle	<i>Haliaeetus leucocephalus</i> https://ecos.fws.gov/ecp/species/1626	Year-round
Bell's Sparrow	<i>Amphispiza belli</i> https://ecos.fws.gov/ecp/species/9303	Year-round
Burrowing Owl	<i>Athene cunicularia</i> https://ecos.fws.gov/ecp/species/9737	Year-round
Fox Sparrow	<i>Passerella iliaca</i>	Wintering
Least Bittern	<i>Ixobrychus exilis</i> https://ecos.fws.gov/ecp/species/6175	Breeding
Lesser Yellowlegs	<i>Tringa flavipes</i> https://ecos.fws.gov/ecp/species/9679	Wintering
Lewis's Woodpecker	<i>Melanerpes lewis</i> https://ecos.fws.gov/ecp/species/9408	Wintering
Long-billed Curlew	<i>Numenius americanus</i> https://ecos.fws.gov/ecp/species/5511	Wintering
Nuttall's Woodpecker	<i>Picoides nuttallii</i> https://ecos.fws.gov/ecp/species/9410	Year-round
Oak Titmouse	<i>Baeolophus inornatus</i> https://ecos.fws.gov/ecp/species/9656	Year-round
Olive-sided Flycatcher	<i>Contopus cooperi</i> https://ecos.fws.gov/ecp/species/3914	Breeding
Peregrine Falcon	<i>Falco peregrinus</i> https://ecos.fws.gov/ecp/species/8831	Year-round

Rufous Hummingbird <i>elasphorus rufus</i> https://ecos.fws.gov/ecp/species/8002	Migrating
Rufous-crowned Sparrow <i>Aimophila ruficeps</i> https://ecos.fws.gov/ecp/species/9718	Year-round
Short-eared Owl <i>Asio flammeus</i> https://ecos.fws.gov/ecp/species/9295	Wintering
Tricolored Blackbird <i>Agelaius tricolor</i> https://ecos.fws.gov/ecp/species/3910	Year-round
Western Grebe <i>aechmophorus occidentalis</i> https://ecos.fws.gov/ecp/species/6743	Year-round

What does IPaC use to generate the list of migratory bird species potentially occurring in my specified location?

Landbirds:

Migratory birds that are displayed on the IPaC species list are based on ranges in the latest edition of the National Geographic Guide, Birds of North America (6th Edition, 2011 by Jon L. Dunn, and Jonathan Alderfer). Although these ranges are coarse in nature, a number of U.S. Fish and Wildlife Service migratory bird biologists agree that these maps are some of the best range maps to date. These ranges were clipped to a specific Bird Conservation Region (BCR) or USFWS Region/Regions, if it was indicated in the 2008 list of Birds of Conservation Concern (BCC) that a species was a BCC species only in a particular Region/Regions. Additional modifications have been made to some ranges based on more local or refined range information and/or information provided by U.S. Fish and Wildlife Service biologists with species expertise. All migratory birds that show in areas on land in IPaC are those that appear in the 2008 Birds of Conservation Concern report.

Atlantic Seabirds:

Ranges in IPaC for birds off the Atlantic coast are derived from species distribution models developed by the National Oceanic and Atmospheric Association (NOAA) National Centers for Coastal Ocean Science (NCCOS) using the best available seabird survey data for the offshore Atlantic Coastal region to date. NOAA/NCCOS assisted USFWS in developing seasonal species ranges from their models for specific use in IPaC. Some of these birds are not BCC species but were of interest for inclusion because they may occur in high abundance off the coast at different times throughout the year, which potentially makes them more susceptible to certain types of development and activities taking place in that area. For more refined details about the abundance and richness of bird species within your project area off the Atlantic Coast, see the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other types of taxa that may be helpful in your project review.

About the NOAA/NCCOS models: the models were developed as part of the NOAA/NCCOS project: [Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#). The models resulting from this project are being used in a number of decision-support/mapping products in order to help guide decision-making on activities off the Atlantic Coast with the goal of reducing impacts to migratory birds. One such product is the [Northeast Ocean Data Portal](#), which can be used to explore details about the relative occurrence and abundance of bird species in a particular area off the Atlantic Coast.

All migratory bird range maps within IPaC are continuously being updated as new and better information becomes available.

Can I get additional information about the levels of occurrence in my project area of specific birds or groups of birds listed in IPaC?

Landbirds:

The [Avian Knowledge Network \(AKN\)](#) provides a tool currently called the "Histogram Tool", which draws from the data within the AKN (latest, survey, point count, citizen science datasets) to create a view of relative abundance of species within a particular location over the course of the year. The results of the tool depict the frequency of detection of a species in survey events, averaged between multiple datasets within AKN in a particular week of the year. You may access the histogram tools through the [Migratory Bird Programs AKN Histogram Tools](#) webpage.

The tool is currently available for 4 regions (California, Northeast U.S., Southeast U.S. and Midwest), which encompasses the following 32 states: Alabama, Arkansas, California, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia, West Virginia, and Wisconsin.

In the near future, there are plans to expand this tool nationwide within the AKN, and allow the graphs produced to appear with the list of trust resources generated by IPaC, providing you with an additional level of detail about the level of occurrence of the species of particular concern potentially occurring in your project area throughout the course of the year.

Atlantic Seabirds:

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS [Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project](#) webpage.

Facilities

Wildlife refuges

Any activity proposed on [National Wildlife Refuge](#) lands must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGES AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

THERE ARE NO KNOWN WETLANDS AT THIS LOCATION.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

THIS PAGE INTENTIONALLY LEFT BLANK

D.3 - Special-status Species Tables

THIS PAGE INTENTIONALLY LEFT BLANK

Special-status Plant Species Potentially Occurring within the Project

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
<i>Allium peninsulare</i> var. <i>franciscanum</i> Franciscan onion	—	—	1B.1	Monocot, perennial herb found in valley and dry hillsides, often in serpentine soils. Bloom period: May–June 20–740m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of serpentine soils. No recorded occurrences are within 1 miles of the Project.	No
<i>Alopecurus aequalis</i> var. <i>sonomensis</i> Sonoma alopecurus	FE	—	1B.1	Monocot, perennial grass found in freshwater marshes and swamps, and riparian scrub. Bloom period: May–July 20-120 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of marshes. No recorded occurrences are within 1 mile of the Project.	No
<i>Amorpha californica</i> var. <i>napensis</i> Napa false indigo	—	—	1B.2	Dicot, perennial shrub found in broadleaf upland forest or chaparral openings Bloom period: April–July 30–590 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of chaparral habitat. No recorded occurrences are within 1 mile of the Project.	No
<i>Amsinckia lunaris</i> Bent-flowered fiddleneck	—	—	1B.2	Dicot annual herb found in shaded or sheltered slopes in openings of oak woodland and steep grassy banks in woodland openings. Bloom period: March–June. 30–680 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of shaded or sheltered slopes. No recorded occurrences are within 1 mile of the Project.	No
<i>Arctostaphylos stanfordiana</i> ssp. <i>decumbens</i> Rincon Ridge manzanita	—	—	1B.1	Dicot shrub found on chaparral slopes and ridges with good sun exposure and above average drainage. Bloom period: February–April 50–550 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of chaparral slopes. No recorded occurrences are within 1 mile of the Project.	No
<i>Astragalus claranus</i> Clara Hunt’s milk-vetch	FE	ST	1B.1	Dicot annual herb found in grasslands and in openings of blue oak and manzanita woodland; thin, rocky clay soils from volcanic or serpentine substrates. Bloom period: March–May 60–3,090 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of serpentine soils. No recorded occurrences are within 1 mile of the Project.	No

Special-status Plant Species Potentially Occurring within the Project

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
<i>Balsamorhiza macrolepis</i> Big-scale balsamroot	—	—	1B.2	Dicot perennial herb found in open grassy or rocky slopes of the western Sierra Nevada foothills and eastern coastal ranges. Bloom period: March–June 90–1,740 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of rocky slopes. No recorded occurrences are within 1 mile of the Project.	No
<i>Blennosperma bakeri</i> Sonoma sunshine	FE	SE	1B.1	Dicot annual herb found in vernal pools and wet grasslands in the Sonoma Valley and Santa Rosa Plain. Bloom period: March–May 19–210 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of vernal pools. No recorded occurrences are within 1 mile of the Project.	No
<i>Brodiaea leptandra</i> Narrow-anthered brodiaea	—	—	1B.2	Monocot perennial herb found in open mixed-evergreen forest, chaparral, and gravelly soils. Bloom period: May–July 70–610 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of open mixed evergreen forest or chaparral habitat. A recorded occurrence was documented within 1 mile of the Project, not observed in the project vicinity since 2001.	No
<i>Ceanothus confusus</i> Rincon Ridge ceanothus	—	—	1B.1	Dicot shrub found in closed-cone coniferous forests and chaparral habitat. Volcanic or serpentine soils with dry shrubby slopes. Bloom period: February–June 90–1,190m.	Unlikely to Occur: no suitable habitat is present within the Project due to the lack of serpentine soils and closed-cone conifer habitat. No recorded occurrences are within 1 mile of the Project.	No
<i>Ceanothus divergens</i> Calistoga ceanothus	—	—	1B.2	Dicot shrub found in dry rocky chaparral slopes of Marin, Sonoma, and Napa counties. Bloom period: February–April 150–1,310 m.	Unlikely to occur: no suitable habitat is present within the Project due to a lack of rocky chaparral slopes. A recorded occurrence was documented within 1 mile of the Project, but not observed in the project vicinity since 1979.	No

Special-status Plant Species Potentially Occurring within the Project

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
<i>Ceanothus purpureus</i> Holly-leaved ceanothus	—	—	1B.2	Dicot shrub found in the Inner North Coast Range on dry, shrub-covered, rocky volcanic slopes. Bloom period: March–May 40–640 m.	Unlikely to occur: no suitable habitat is present within the Project due to a lack of rocky volcanic slopes. A recorded occurrence was documented within 1 mile of the Project, not observed in the project vicinity since 1936.	No
<i>Ceanothus sonomensis</i> Sonoma ceanothus	—	—	1B.2	Dicot shrub found in chaparral on sandy, serpentine, or volcanic soils. Bloom period: February–April 160–710 m.	Unlikely to occur: no suitable habitat is present within the Project due to a lack of suitable soils. A recorded occurrence was documented within 1 mile of the Project, not observed in the project vicinity since 1993.	No
<i>Downingia pusilla</i> Dwarf downingia	—	—	2B.2	Dicot annual herb found in valley and foothill grasslands, also on margins of vernal pools and wetlands. Bloom period: March–May 0–400 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of vernal pools. No recorded occurrences are within 1 mile of the Project.	No
<i>Fritillaria liliacea</i> Fragrant fritillary	—	—	1B.2	Monocot perennial herb found in open hilly grasslands in heavy soils. Bloom period: February–April 6–370 m.	Unlikely to occur: no habitat is present within the Project due to a lack of heavy, adobe like soils. A recorded occurrence was documented within 1 mile of the Project, not observed in the project vicinity since 1986.	No
<i>Hemizonia congesta</i> ssp. <i>congesta</i> Congested-headed hayfield tarplant	—	—	1B.2	Dicot annual herb found in open grassy valleys and in northern coastal scrub; also along marsh edges. Bloom period: April–November 30–1,060 m.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of marshes. No recorded occurrences are within 1 mile of the Project.	No

Special-status Plant Species Potentially Occurring within the Project

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
<i>Lasthenia burkei</i> Burke's goldfields	FE	SE	1B.1	Dicot annual herb found in vernal pools and swales. Bloom period: April–June 16–580 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of vernal pools and swales. No recorded occurrences are within 1 mile of the Project.	No
<i>Layia septentrionalis</i> Colusa layia	—	—	1B.2	Dicot annual herb found in chaparral, valley and foothill grassland on rocky soils or grassy slopes; occurs on serpentine or rocky soils, mostly ultramafic. Bloom period: April–May 220–720 m.	Unlikely to occur: no suitable habitat is present within the Project due to lack of suitable soils. A recorded occurrence was documented within 5 miles of the Project, not observed in the project vicinity since 2015.	No
<i>Leptosiphon jepsonii</i> Jepson's leptosiphon	—	—	1B.2	Dicot annual herb found in open to partially shaded grassy slopes. On volcanic soils or the periphery of serpentine substrates. Blooming period: March–May 100–570 m.	Unlikely to occur: no habitat is present within the Project due to lack of serpentine and volcanic soils. A recorded occurrence was documented within 1 mile of the Project, not observed in the project vicinity since 1931.	No
<i>Lessingia hololeuca</i> Woolly-headed lessingia	—	—	3	Annual herb found broad-leaved upland forest, coastal scrub, lower montane coniferous forest, valley and foothill grassland. Bloom period: June–October 15–305 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of suitable vegetation communities. No recorded occurrences are within 1 mile of the Project.	No
<i>Limnanthes vinculans</i> Sebastopol meadowfoam	FE	SE	1B.1	Dicot annual herb found in swales, marshy areas in valley oak; on poorly drained soils of clay or sandy loam. Bloom period: April–May 16–60 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of swales and marshes. No recorded occurrences are within 1 mile of the Project.	No

Special-status Plant Species Potentially Occurring within the Project

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
<i>Navarretia leucocephala</i> ssp. <i>bakeri</i> Baker's navarretia	—	—	1B.1	Dicot annual herb found in vernal pools and swales; adobe or alkaline soils. Blooming period: April—July 9–1,620 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of adobe or alkaline soils. No recorded occurrences are within 1 mile of the Projects.	No
<i>Penstemon newberryi</i> var. <i>sonomensis</i> Sonoma beardtongue	—	—	1B.3	Dicot perennial herb found in chaparral within crevices in rock outcrops and talus slopes. Blooming period: April–August 580–1330 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of talus slopes or rock outcroppings. No recorded occurrences are within 1 mile of the Project.	No
<i>Sidalcea oregana</i> ssp. <i>valida</i> Kenwood Marsh checkerbloom	FE	SE	1B.1	Dicot perennial herb (rhizomatous) found in freshwater marshes and swamps in Sonoma County. Bloom period: June–September 120–180 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of freshwater marshes or swamps. No recorded occurrences are within 1 mile of the Project.	No
<i>Trifolium amoenum</i> Two-fork clover	FE	—	1B.1	Dicot annual herb found in low, wet swales, grasslands and grassy hillsides. Bloom period: April–June 8–160 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of swales. No recorded occurrences are within 1 mile of the Project.	No
<i>Trifolium buckwestiorum</i> Santa Cruz clover	—	—	1B.1	Dicot annual herb found in Broad-leafed upland forest cismontane woodland, coastal prairie Bloom period: April–October 105–610 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of suitable vegetation communities. No recorded occurrences are within 1 mile of the Project.	No
<i>Trifolium hydrophilum</i> Saline clover	—	—	1B.2	Dicot annual herb found in salt marshes, grasslands, and open areas in alkaline soils. Bloom period: April–June 0–220 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of salt marshes or suitable soil. No recorded occurrences are within 1 mile of the Project.	No

Special-status Plant Species Potentially Occurring within the Project

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
<i>Triquetrella californica</i> Coastal triquetrella	—	—	1B.2	Bryophyte found within 30 miles from the coast in coastal scrub, grasslands and in open gravels and roadsides, rock slopes, and fields. Bloom period: N/A 10–100 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of rock slopes or outcroppings. No recorded occurrences are within 1 mile of the Project.	No
<i>Viburnum ellipticum</i> Oval-leaved viburnum	—	—	2B.3	Dicot shrub found in chaparral and coniferous forests generally on north facing slopes. Bloom period: May–June 100–1,160 m.	Unlikely to Occur: no suitable habitat is present within the Project due to a lack of coniferous forest habitat. No recorded occurrences are within 1 mile of the Project.	No
Code Designations						
¹ Federal Status: 2015 USFWS Listing				² State Status: 2015 CDFW Listing		³ CNPS: 2015 CNPS Listing
FE = Listed as endangered under the Endangered Species Act FT = Listed as threatened under the Endangered Species Act FC = Candidate for listing (threatened or endangered) under Endangered Species Act FD = Delisted in accordance with the Endangered Species Act — = Not federally listed				SE = Listed as endangered under the California Endangered Species Act ST = Listed as threatened under the California Endangered Species Act SSC = Species of Special Concern as identified by CDFW CFP = Listed as fully protected under FGC CR = Species identified as rare by CDFW — = Not state listed		Rank 1A Plants presumed Extinct in California. Rank 1B Plants Rare, Threatened, or Endangered in California and elsewhere. Rank 2 Plants Rare, Threatened, or Endangered in California, but more numerous elsewhere. Rank 3 Plants about which we need more information—A Review List. Rank 4 Plants of limited distribution—A Watch List. Blooming period: Months in parentheses are uncommon.
⁴ Habitat description: Habitat description adapted from CNDDB (CDFW 2015) and CNPS online inventory (CNPS 2015).						

Special-status Wildlife Species Potentially Occurring within the Project

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale	Included in Impact Analysis
	USFWS ¹	CDFW ²			
Amphibians					
Ambystoma californiense California tiger salamander	FT	ST	Occurs in grassland or open woodland habitats, where it lives in vacant or mammal-occupied burrows, and occasionally in other underground retreats, throughout most of the year. Eggs are laid on submerged stems and leaves, usually in shallow ephemeral or semi-permanent pools and ponds that fill during heavy winter rains, sometimes in permanent ponds; adults spend little time in breeding sites.	Unlikely to Occur: no suitable habitat is present within the project (i.e. vernal pools or seasonal ponds). No recorded occurrences are within 1 mile of the project. Furthermore, the project site is not located on the Santa Rosa plain (i.e. critical habitat).	No
Dicamptodon ensatus California giant salamander	—	SSC	Known from wet coastal forests near streams and seeps from Mendocino County south to Monterey County, and east to Napa County. Aquatic larvae found in cold, clear streams, occasionally in lakes and ponds. Adults known from wet forests under rocks and logs near streams and lakes.	Potential to occur: suitable habitat is present within the project in riparian area. An occurrence within 1 mile of the project was recorded on the Santa Rosa Creek; last observance within area was in 2002.	Yes
Rana boylei Foothill yellow-legged frog	—	CT SSC	Swift, flowing perennial water, underground refuges, especially ground squirrel burrows, and vernal pools or other seasonal water sources for breeding.	Potential to occur: suitable habitat is present within the project, as Oakmont Creek contains perennial water.	Yes
Rana draytonii California red-legged frog	FT	SSC	Lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation.	Potential to occur: suitable habitat is present within the project in the riparian area. The project site is not located on the Santa Rosa plain (i.e. critical habitat). An occurrence was recorded within 5 miles of the project in Annadel State Park; last observation within the area was in 2016.	Yes
Taricha rivularis Red-bellied newt	—	SSC	Lives in terrestrial habitats, juveniles generally underground, adults active at surface in moist environments. Will migrate over 1 km to breed, typically in streams with moderate flow and clean, rocky substrate.	Potential to occur: suitable habitat is present within the project in the riparian area.	Yes

Special-status Wildlife Species Potentially Occurring within the Project

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale	Included in Impact Analysis
	USFWS ¹	CDFW ²			
Birds					
<i>Accipiter cooperii</i> Cooper's hawk	— MBTA	WL	Found in forests and woodlands birds, but are often a regular sight in parks, quiet neighborhoods, over fields, at backyard feeders, and even along busy streets if there are trees around.	Potential to occur: suitable habitat for both foraging and nesting are present within the project.	Yes
<i>Coturnicops noveboracensis</i> yellow rail	— MBTA	SSC	Often occur in marshes where water is shallower and vegetation shorter. They often nest among sedges	Unlikely to Occur: no suitable habitat is present within the project. No recorded occurrences are within 1 mile of the project	No
<i>Elanus leucurus</i> White-tailed kite	— MBTA	FP FGC	Found in rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland. Requires open grasslands, meadows, or marshes for foraging close to the isolated, dense-topped trees for nesting and perching.	Potential to occur: suitable habitat for both foraging and nesting are present within the project.	Yes
<i>Lanius ludovicianus</i> Loggerhead shrike	MBTA	SCC	Found in open woodlands with fair amount of grass cover. They require tall shrubs or trees (also fences or power lines) for hunting perches. Open areas of short grasses for hunting and large trees for nesting.	Potential to occur: suitable habitat for both foraging and nesting are present within the project.	Yes
Crustaceans					
<i>Linderiella occidentalis</i> California linderiella	—	—	Seasonal pools in unplowed grasslands with old alluvial soils underlain by hardpan or in sandstone depressions. Water in the pools has very low alkalinity, conductivity, and TDS.	Unlikely to Occur: no suitable habitat is present within the project due to a lack of vernal pools. No recorded occurrences are within 1 mile of the project.	No
<i>Syncaris pacifica</i> California freshwater shrimp	FE	SE	Shallow pools away from main streamflow. Winter: undercut banks with exposed roots. Summer: leafy branches touching water.	Unlikely to Occur: no suitable habitat is present within the project. No recorded occurrences are within 1 mile of the project.	No

Special-status Wildlife Species Potentially Occurring within the Project

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale	Included in Impact Analysis
	USFWS ¹	CDFW ²			
Insects					
<i>Andrena blennospermatis</i> Blennosperma vernal pool andrenid bee	—	—	Bees nest in the uplands around vernal pools.	Unlikely to Occur: no suitable habitat is present within the project due to a lack of vernal pools. No recorded occurrences are within 1 mile of the project.	No
<i>Bombus occidentalis</i> Western bumble bee	—	CE	Wide range of habitats as this species are generalist pollinators of a wide variety of flowering plants and crops.	Unlikely to Occur: No recorded occurrences are within 1 mile of the project.	No
<i>Bombus caliginosus</i> Obscure bumble bee	—	—	Coastal areas from Santa Barbara county to Washington State. Food plant genera include <i>Baccharis</i> , <i>Cirsium</i> , <i>Lupinus</i> , <i>Lotus</i> , <i>Grindelia</i> and <i>Phacelia</i> .	Unlikely to Occur: no suitable habitat is present within the project. No recorded occurrences are within 1 mile of the project.	No
<i>Hydroporus leechi</i> Leech’s skyline diving beetle	—	—	Aquatic habitats, usually in pond shores.	Unlikely to Occur: no suitable habitat is present within the project due to a lack of ponds. No recorded occurrences are within 1 mile of the project.	No
Mammals					
<i>Antrozous pallidus</i> Pallid bat	—	SSC	Deserts, grasslands, shrublands, woodlands and forests. Most common in open, dry habitats with rocky areas for roosting. Very sensitive to disturbance of roosting sites.	Potential to occur: suitable habitat for both foraging and nesting are present within the project. Residential development and roads surround the project site which could create disturbance.	Yes
Reptiles					
<i>Emys marmorata</i> Western pond turtle	—	SSC	This species is a thoroughly aquatic turtle found in ponds, marshes, rivers, streams, and irrigation ditches, usually with aquatic vegetation below 6000 feet elevation. Requires basking sites and suitable upland habitat (sandy banks or grassy open fields) up to 0.5 km from water for egg-laying.	Potential to occur: suitable habitat is present within the project in the riparian area. Recorded occurrences have been documented within 1 mile of the project, last observation was in 2007.	Yes

Special-status Wildlife Species Potentially Occurring within the Project

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale	Included in Impact Analysis		
	USFWS ¹	CDFW ²					
Code Designations							
¹ Federal Status: 2015 USFWS Listing						² State Status: 2015 CDFW Listing	
ESU = Evolutionary Significant Unit is a distinctive population. FE = Listed as endangered under the FESA. FT = Listed as threatened under the FESA. FC = Candidate for listing (threatened or endangered) under FESA. FD = Delisted in accordance with the FESA. FPD = Federally Proposed to be Delisted. MBTA = Protected by the Migratory Bird Treaty Act — = Not federally listed						SE = Listed as endangered under the CESA. ST = Listed as threatened under the CESA. SSC = Species of Special Concern as identified by the CDFW. FP = Listed as fully protected under FGC. CFG = FGC =protected by FGC 3503.5 CE = Candidate endangered under the CESA. CT = Candidate threatened under the CESA. WL = On CDFW watchlist — = Not state listed	
³ Habitat description: Habitat description adapted from CNDDDB (CDFW 2015a).							