

EAST BAY MUNICIPAL UTILITY DISTRICT QUARRY SITE RESTORATION PROJECT ARBORIST CONDITION REPORT

JULY 2021

PREPARED FOR:



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1 – PROJECT OVERVIEW

Insignia Environmental (Insignia) was subcontracted through Woodard & Curran to prepare an Arborist Condition Report (report) for East Bay Municipal Utility District's (EBMUD's) Quarry Site Restoration Project (Project), which is located at the approximately 60-acre San Leandro Rock Company quarry site at 13575 Lake Chabot Road in unincorporated Alameda County, California. EBMUD is considering the property as a permanent storage site for trench soils and for long-term restoration opportunities. As shown in **Figure 1: Project Overview Map**, the Project area is surrounded by undeveloped land owned by EBMUD to the north, undeveloped land owned by the East Bay Regional Park District to the east and south, and a tennis club and residential neighborhood to the west.

2 – SCOPE OF REPORT

This report is intended to provide reference information to inform planning and development processes for the Project. More specifically, this report details the findings from the arborist evaluation tree survey (survey), which was conducted by Casey Clark, an Insignia arborist and biologist, on April 12 and 13 and May 19, 2021. During the survey, the location, species, and general health condition were recorded for each tree, as well as whether the tree is native or non-native and whether it is invasive. Further, this report includes recommendations for tree removal based on health and hazard potential; maps and tables showing tree locations, species, and health; an evaluation of potential construction and operation effects on trees inventoried; and preliminary guidelines for tree protection and preservation.

3 – SURVEY METHODS

The approximately 53.9-acre survey area for the Project included the entire quarry site property with the following exceptions:

- an approximately 1.8-acre area in the southeastern corner of the Project area; and
- an approximately 3.0-acre area containing a wetland in the northwestern corner of the property.¹

All trees within and immediately adjacent to the survey area were surveyed for this report if they had at least one woody trunk with a diameter at breast height (DBH) of at least 6 inches. Information regarding the tree species, origin (native or non-native, and whether it is invasive), DBH, general health condition, removal recommendation, and tree preservation recommendations were determined in the field and logged in a digital data collection form. Each tree's number was sequential to the survey path, and the location was collected as close to the base of the trunk as possible using a submeter accurate Global Positioning System (GPS) device. In the event that the base of the trunk was not accessible due to hazardous slope conditions, the tree's location was found by applying the estimated distance and azimuth to the surveyor's

¹ Additional trees along the west-facing slope of this area were surveyed per the request of EBMUD. The additional trees surveyed are still classified as being adjacent to the survey area.

location. DBH measurements were taken with a diameter tape or Biltmore stick² in accordance with American Forests Champion Tree Measurement Guidelines (American Forests 2015). The health condition of each tree was evaluated by using a basic visual inspection method, and a general condition rating was assigned by the arborist based on the following categories:

- Good: Overall good tree vigor³, healthy foliage and cambium,⁴ and no significant defects. The location is optimal for the tree, and it will survive long-term.
- Fair: Overall moderate tree vigor, no serious defects or infestations. Further tree decline is not expected, but the tree's location is not optimal for that species.
- Declining due to abiotic factors (DDAF): Overall poor tree vigor due to abiotic factors, such as water, light, and nutrients. Typically, poor vigor results when a tree is outcompeted by other vascular plants or it is in the wrong location. A DDAF tree will likely not survive long-term.
- Declining due to biotic factors (DDBF): Overall poor tree vigor due to biotic factors, such as disease or insect infestation. A DDBF tree will likely not survive long-term.
- Dead: The tree is dead or very close to death and will not recover.

Individual tree ratings consider a variety of factors, including overall tree vigor, foliage condition, cambium condition, evidence of decay, insect or disease infestations, and any other notable structural defects. The survey was limited to visual examination of accessible parts without dissection, excavation, probing, or coring. There is no warranty or guarantee, expressed or implied, that problems or deficiencies regarding the trees discussed in this report may not arise in the future.

Removal recommendations were based on the tree's health condition and its hazard potential. In general, if the tree is dead or declining, but is located within a natural area with low to no human traffic, it was not recommended for removal. Dead trees (i.e., snags) provide wildlife habitat that could further benefit the ecosystem during decomposition. However, if the tree was located within a high-traffic area and is dead or declining, it was recommended for removal.

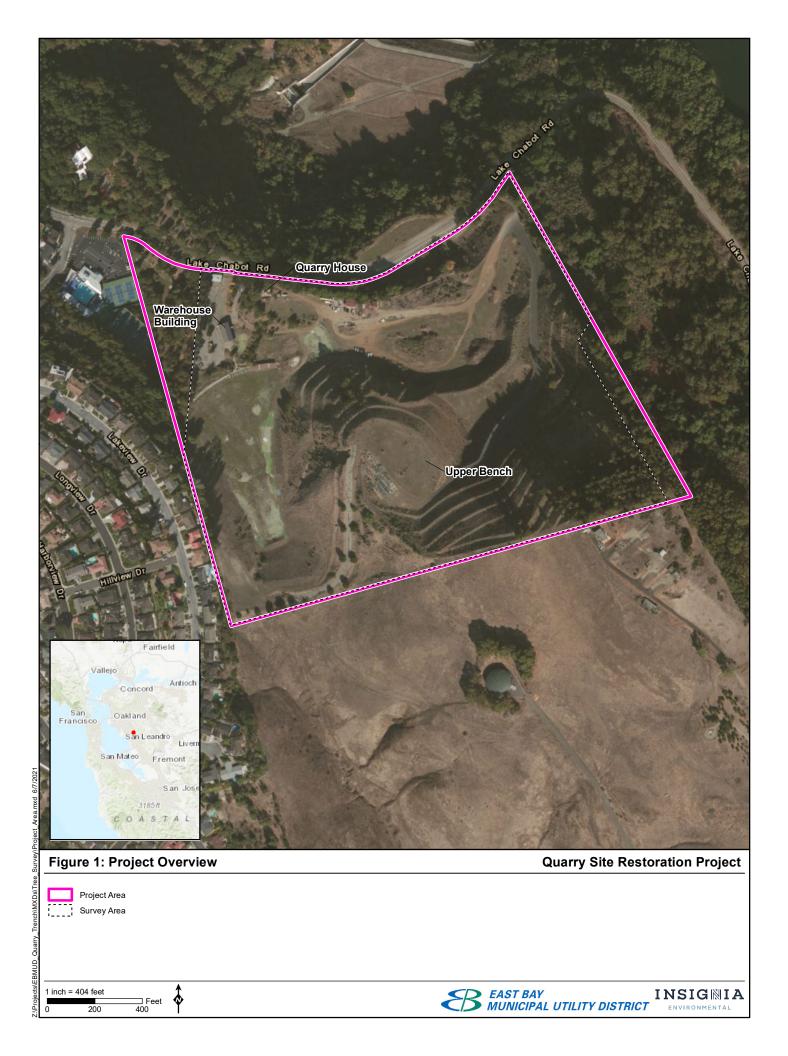
Each tree was then assigned one of three construction impact codes using the following categories:

• Potential Impacts Possible, Protection Recommended: This designation is for a locally native tree that is potentially affected by Project development. Tree protection measures are recommended, if feasible, and if consistent with the mass grading planned for the site.

 $^{^{2}}$ A Biltmore stick is a tool used by foresters and arborists to provide a measurement of tree diameter and height.

³ Vigor refers to the force of healthy growth in any living matter or organism.

⁴ Cambium is the cellular plant tissue from which phloem, xylem, or cork grows by division, resulting (in woody plants) in secondary thickening. It is commonly referred to as the tree's bark.



- Potential Impacts Possible, Non-Native Tree, Preservation not Warranted: The tree is located within or adjacent to construction limits; however, the tree is locally non-native or invasive, so preservation is not warranted.
- None: There is no chance the tree will be affected due to Project development. This is likely due to the tree being dead or declining.

4 – SURVEY RESULTS

Twenty-one different species of a total of 832 trees were documented during the survey. Attachment A: Tree Survey Results Summary provides a summary of all of the inventoried trees; lists each tree sequentially by tag number; and includes its species, origin, DBH, general health condition rating, removal recommendation, proximity to the survey area, and preservation recommendations. Specific comments regarding individual trees are included where relevant. A map summarizing the information is presented in Attachment B: Results Maps. Of the 832 inventoried trees, 113 trees were located outside of, but immediately adjacent to the survey boundaries.

Table 1: Trees Documented by Species within the Project Area lists the total number of each species documented, whether they are native or non-native, and a California Invasive Plant Council (Cal-IPC) listing⁵ (if applicable). Seven trees were recommended for removal due to being dead/rapidly declining and presenting a hazard to property or people. The trees recommended for removal are listed in **Table 2: Trees Recommended for Removal within the Project Area** and are represented in **Attachment B: Results Maps**.

5 – DISCUSSION AND RECOMMENDATIONS

With the Project's goal involving long-term restoration opportunities, native trees in good to fair health with at least a 6-inch DBH⁶ within the Project area could be considered for preservation— if feasible, and if consistent with the mass grading planned for the site—in order to facilitate the restoration of the Project site back to its pre-quarry development condition.

Pre-quarry development condition of the site can be assumed to mimic the undisturbed natural vegetation community surrounding the Project on undeveloped land. The natural vegetation community surrounding the Project is considered to be within the *Quercus agrifolia* Forest and Woodland Alliance (coast live oak woodland and forest) (California Native Plant Society [CNPS] 2021) and contains a continuous tree canopy dominated by coast live oak (*Quercus agrifolia*), with California bay laurel (*Umbellularia californica*) and bigleaf maple (*Acer macrophyllum*) as co-dominates. Other common trees surveyed within the Project area that are found in this natural vegetation communities understory include blue elderberry (*Sambucus nigra* ssp. *caerulea*) and red willow (*Salix laevigata*)⁷.

⁵ Cal-IPC listings categorize invasive plants that threaten California's natural areas.

⁶ As the DBH of a tree increases, so could its age, value, and protection concern.

⁷ Red willows occur naturally within the coast live oak woodland when on the boundary of a riparian area.

Tree Species	Origin	Cal-IPC Listing ⁸	Count
African sumac (Searsia lancea)	Non-native	None	1
Bigleaf maple (Acer macrophyllum)	Native	None	8
Blue elderberry (Sambucus nigra ssp. caerulea)	Native	None	6
Blue gum eucalyptus (Eucalyptus globulus)	Non-native	Limited	156
Bradford pear (Pyrus calleryana)	Non-native	None	1
California bay laurel (Umbellularia californica)	Native	None	95
Coast live oak (Quercus agrifolia)	Native	None	273
Coast redwood (Sequoia sempervirens)	Native	None	24
Coulter pine (Pinus coulteri)	Native	None	1
Douglas-fir (<i>Pseudotsuga menziesii</i>)	Native	None	5
Fremont cottonwood (Populus fremontii)	Native	None	10
Incense cedar (Calocedrus decurrens)	Native	None	5
Italian buckthorn (Rhamnus alaternus)	Non-native	None	1
Italian stone pine (Pinus pinea)	Non-native	Pending assessment	39
Loquat (<i>Eriobotrya japonica</i>)	Non-native	None	1
Monterey pine (Pinus radiata)	Non-native	Limited	189
Olive (Olea europaea)	Non-native	Limited	2
Peruvian pepper tree (Schinus molle)	Non-native	Limited	5
Plum tree (Prunus cerasifera)	Non-native	Limited	2
Red willow (Salix laevigata)	Native	None	2
White ironbark (Eucalyptus leucoxylon)	Non-native	None	6

Table 1: Trees Documented by Species within the Project Area

Note: Though olive, Peruvian pepper tree, and plum tree have a Cal-IPC score of Limited, they are typically not considered invasive in the San Francisco Bay area. More specifically, they are not spreading invasively within the Project area.

⁸ Explanation of Cal-IPC listing codes:

[•] Limited: These species are invasive, but their ecological impacts are minor on a statewide level or there was not enough information to justify a higher score. Their reproductive biology and other attributes result in low to moderate rates of invasiveness. Ecological amplitude and distribution are generally limited, but these species may be locally persistent and problematic.

[•] Pending assessment: Species that need to be assessed for current invasiveness or risk of future invasiveness.

[•] None: Species that are not listed on the Cal-IPC inventory due to there being an insignificant current impact and/or insufficient risk of becoming invasive in the future.

Tree Number	Species	Health Status	General Location	Notes
8	Monterey pine	Dead	Just east of the warehouse building	
11	Monterey pine	Dead	Just east of the warehouse building	All trees are located within a high traffic
147	Coast live oak	Dead	Just southeast of the quarry site entrance	area and pose a hazard to property and/or people.
652	Monterey pine	Dead	West end of the parking lot	
653	Monterey pine	Dead	West end of the parking lot	
655	Monterey pine	DDBF	West end of the parking lot	Both trees are located within a high traffic
656	Monterey pine	DDBF	West end of the parking lot	area and pose a hazard to property and/or people. The primary cause of stress is likely due to natural causes. Due to stress, the trees are now declining rapidly from a bark beetle infestation.

Table 2: Trees Recommended for Removal within the Project Area

Multiple other native trees that do not belong to the natural vegetation communities of the area including coast redwood (*Sequoia sempervirens*), coulter pine (*Pinus coulteri*), Douglas-fir (*Pseudotsuga menziesii*), Fremont cottonwood (*Populus fremontii*), and incense cedar (*Calocedrus decurrens*)—occur within the Project area, as detailed in **Table 1: Trees Documented by Species within the Project Area**. Due to the presence of staking and close proximity to a residential neighborhood, these trees are assumed to have been planted or are volunteers⁹ due to wildlife seed dispersal or planted parent trees. Due to these trees providing natural aesthetic value and quality habitat and forage opportunities to native wildlife, it is also recommended that all trees of this class in good or fair condition with at least a 6-inch DBH be preserved, if feasible and if consistent with the mass grading planned for the site.

It is important to note that the Monterey pine trees (*Pinus radiata*) within the Project area are cultivars¹⁰ and are not within their native range, which is restricted to just five locations along the Monterey coast. According to the Cal-IPC, Monterey pine cultivars can be considered invasive when they are outside of their natural range in California (Cal-IPC 2021). Monterey pines are behaving as a moderate invasive in some portions of the survey area, primarily in the areas where they were planted, which includes the landscaped areas surrounding the warehouse building and the quarry house, as well as the tree stand just north of the upper bench. Along with Monterey pine, blue gum eucalyptus (*Eucalyptus globulus*) is another Cal-IPC-listed tree that is

⁹ A volunteer is defined as a plant that grows on its own, rather than being deliberately planted. Volunteers often grow from seeds that are dropped by wildlife, are inadvertently mixed into the soil due to human activity, or grow from a seed dropped from a parent plant.

¹⁰ A cultivar is a plant variety that has been produced in cultivation by selective breeding, typically for the use of ornamental planting.

spreading invasively on the property. Both trees have a Cal-IPC score of "Limited." The Cal-IPC defines a tree with a "Limited" score as follows:

"These species are invasive, but their ecological impacts are minor on a statewide level or there was not enough information to justify a higher score. Their reproductive biology and other attributes result in low to moderate rates of invasiveness. Ecological amplitude and distribution are generally limited, but these species may be locally persistent and problematic."

Blue gum eucalyptus is behaving as a severe invasive in the southeast corner of the property, where the conditions are favorable for this species and the property is adjacent to a naturally occurring blue gum eucalyptus stand. Both blue gum eucalyptus and Monterey pine forests are largely considered naturalized¹¹ in the state of California due to their widespread range, invasive nature, and the cost and challenges associated with their eradication.

Italian stone pine (*Pinus pinea*) is also spreading invasively on portions of the property, primarily within and adjacent to the tree stand just north of the upper bench. The Italian stone pine is currently on Cal-IPCs list for pending assessment.

Due to the invasive nature of these species within the Project area, protection or preservation is not warranted for any of these species.

Along with the three invasive species on the property, there are eight other non-native tree species. These species were mostly all planted as ornamentals throughout the property and do not pose a risk of becoming invasive. However, because they are non-native and the long-term goal of the Project is restoration, their preservation is not warranted.

6 – REFERENCES

- American Forests. 2015. American Forests Champion Tree Measurement Guidelines. Available online at <u>https://www.americanforests.org/wp-content/uploads/2014/12/AF-Tree-Measuring-Guidelines_LR.pdf</u>. Accessed on April 21, 2021.
- Cal-IPC. 2021. *Pinus radiata* cultivars Profile. Available online at <u>https://www.cal-ipc.org/plants/profile/pinus-radiata-cultivars-profile/</u>. Accessed on April 21, 2021.
- CNPS. 2021. A Manual of California Vegetation. Available online at <u>https://vegetation.cnps.org/alliance/78.</u> Accessed on April 21, 2021.
- Colorado State University. 2020. Protecting Trees During Construction. Available online at <u>https://extension.colostate.edu/docs/pubs/garden/07420.pdf</u>. Accessed on April 21, 2021.

¹¹ Naturalization is the process by which a non-native species spreads into the wild and its reproduction is sufficient to maintain its population. Such populations are said to be naturalized.

ATTACHMENT A: TREE SURVEY RESULTS SUMMARY

ATTACHMENT A: TREE SURVEY RESULTS SUMMARY

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
1	Coast live oak (Quercus agrifolia)	Native	18	Good	Within Survey Area	Potential impacts possible, protection recommended	
2	Coast live oak	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
3	Coast live oak	Native	10	Good	Within Survey Area	Potential impacts possible, protection recommended	
4	Coast live oak	Native	14	Good	Within Survey Area	Potential impacts possible, protection recommended	Damage or
5	Plum tree (Prunus cerasifera)	Non-native	8	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
6	Plum tree	Non-native	11	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
7	Coast live oak	Native	18	Fair	Within Survey Area	Potential impacts possible, protection recommended	Crack down
8	Monterey pine (Pinus radiata)	Non-native	15	Dead _R	Within Survey Area	None	Tree is with
9	Monterey pine	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
10	Monterey pine	Non-native	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
11	Monterey pine	Non-native	10	Dead _R	Within Survey Area	None	Tree is with
12	Monterey pine	Non-native	15	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
13	Monterey pine	Non-native	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
14	Monterey pine	Non-native	16	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
15	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
16	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
17	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
18	Red willow (Salix laevigata)	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
19	Red willow	Native	24	Good	Within Survey Area	Potential impacts possible, protection recommended	
20	Monterey pine	Non-native	23	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
21	California bay laurel (Umbellularia californica)	Native	25	Good	Within Survey Area	Potential impacts possible, protection recommended	
22	Bigleaf maple (Acer macrophyllum)	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
23	California bay laurel	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
24	California bay laurel	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
25	Monterey pine	Non-native	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
26	Monterey pine	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
27	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
28	Monterey pine	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	

Survey Notes
ge on the lower trunk from vehicle, healing well.
down base of tree. within a high traffic area and poses a hazard.
within a high traffic area and poses a hazard.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
29	Monterey pine	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
30	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
31	Monterey pine	Non-native _l	24	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
32	Coulter pine (Pinus coulteri)	Native	26	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
33	Coast redwood (Sequoia sempervirens)	Native	31	Good	Within Survey Area	Potential impacts possible, protection recommended	
34	Monterey pine	Non-native _l	25	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
35	Douglas-fir (Pseudotsuga menziesii)	Native	27	Good	Within Survey Area	Potential impacts possible, protection recommended	
36	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
37	Monterey pine	Non-native _l	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
38	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
39	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
40	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
41	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
42	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
43	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
44	Coast live oak	Native	26	Good	Within Survey Area	Potential impacts possible, protection recommended	
45	California bay laurel	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
46	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
47	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
48	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
49	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
50	Coast redwood	Native	25	Good	Within Survey Area	Potential impacts possible, protection recommended	
51	Douglas-fir	Native	9	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
52	Douglas-fir	Native	17	Good	Within Survey Area	Potential impacts possible, protection recommended	
53	Douglas-fir	Native	6	DDAF	Within Survey Area	None	Tree health preservation
54	Coast redwood	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
55	California bay laurel	Native	7	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
56	Douglas-fir	Native	9	DDAF	Within Survey Area	None	Tree is bei warranted.

Survey Notes
nealth is declining due to the presence of an invasive ivy, rvation not warranted.
s being outcompeted and is declining, preservation not nted.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
57	Coast redwood	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
58	Coast live oak	Native	16	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
59	Incense cedar (Calocedrus decurrens)	Native	6	DDAF	Adjacent to Survey Area	None	Tree is beir warranted.
60	Coast redwood	Native	11	Good	Within Survey Area	Potential impacts possible, protection recommended	
61	Incense cedar	Native	7	DDAF	Within Survey Area	None	
62	Loquat (Eriobotrya japonica)	Non-native	6	DDBF	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	Tree health
63	Incense cedar	Native	10	Fair	Within Survey Area	Potential impacts possible, protection recommended	
64	Coast live oak	Native	17	Good	Within Survey Area	Potential impacts possible, protection recommended	
65	Incense cedar	Native	8	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
66	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
67	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
68	Coast live oak	Native	15	Good	Within Survey Area	Potential impacts possible, protection recommended	
69	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
70	Incense cedar	Native	8	Fair	Within Survey Area	Potential impacts possible, protection recommended	
71	Coast live oak	Native	10	Good	Within Survey Area	Potential impacts possible, protection recommended	
72	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
73	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
74	Coast redwood	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
75	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
76	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
77	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
78	Coast live oak	Native	16	Good	Within Survey Area	Potential impacts possible, protection recommended	Covered in
79	Coast redwood	Native	15	Good	Within Survey Area	Potential impacts possible, protection recommended	
80	Coast live oak	Native	23	Good	Within Survey Area	Potential impacts possible, protection recommended	
81	Coast live oak	Native	24	Good	Within Survey Area	Potential impacts possible, protection recommended	
82	Coast live oak	Native	14	Good	Within Survey Area	Potential impacts possible, protection recommended	
83	Coast live oak	Native	24	Good	Within Survey Area	Potential impacts possible, protection recommended	
84	Olive (Olea europaea)	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
85	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
86	Coast live oak	Native	26	Good	Within Survey Area	Potential impacts possible, protection recommended	

Survey Notes
being outcompeted and is declining; preservation not ted.
ealth is declining due to the presence of an invasive ivy.
<u> </u>
ed in an invasive ivy (<i>Delairea odorata</i>).

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
87	Coast live oak	Native	31	Good	Within Survey Area	Potential impacts possible, protection recommended	
88	Coast live oak	Native	31	Good	Within Survey Area	Potential impacts possible, protection recommended	
89	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
90	Coast live oak	Native	23	Good	Within Survey Area	Potential impacts possible, protection recommended	
91	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
92	Coast live oak	Native	19	Good	Within Survey Area	Potential impacts possible, protection recommended	
93	Coast live oak	Native	24	Good	Within Survey Area	Potential impacts possible, protection recommended	
94	Coast live oak	Native	30	Good	Within Survey Area	Potential impacts possible, protection recommended	
95	Coast live oak	Native	26	Good	Within Survey Area	Potential impacts possible, protection recommended	
96	Olive	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
97	Coast live oak	Native	24	Good	Within Survey Area	Potential impacts possible, protection recommended	
98	Coast live oak	Native	21	Good	Within Survey Area	Potential impacts possible, protection recommended	
99	Italian stone pine (Pinus pinea)	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
100	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
101	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
102	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
103	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
104	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
105	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
106	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
107	Coast live oak	Native	19	Good	Within Survey Area	Potential impacts possible, protection recommended	
108	Coast live oak	Native	24	Good	Within Survey Area	Potential impacts possible, protection recommended	
109	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
110	Peruvian pepper tree (Schinus molle)	Non-native	18	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
111	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
112	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
113	Coast live oak	Native	19	Good	Within Survey Area	Potential impacts possible, protection recommended	
114	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
115	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
116	Coast live oak	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	

Survey Notes	

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
117	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
118	Italian stone pine	Non-native _l	20	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
119	Coast live oak	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
120	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
121	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
122	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
123	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
124	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
125	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
126	Italian stone pine	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
127	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
128	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
129	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
130	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
131	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
132	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
133	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
134	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
135	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
136	Coast redwood	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
137	Monterey pine	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
138	Italian stone pine	Non-native _l	23	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
139	Monterey pine	Non-native	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
140	Italian stone pine	Non-native _l	24	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
141	Italian stone pine	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
142	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
143	Fremont cottonwood (Populus fremontii)	Native	15	DDAF	Within Survey Area	None	Tree declin warranted.
144	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
145	Fremont cottonwood	Native	10	DDAF	Within Survey Area	None	Tree declini warranted.

Survey Notes
clining and planted in the wrong location; preservation not ed.
clining and planted in the wrong location; preservation not ed.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
146	Fremont cottonwood	Native	6	DDAF	Within Survey Area	None	Tree declin warranted.
147	Coast live oak	Native	9	Dead _R	Within Survey Area	None	Tree is with
148	Fremont cottonwood	Native	10	DDAF	Within Survey Area	None	Tree declin warranted.
149	Fremont cottonwood	Native	6	DDAF	Within Survey Area	None	Tree declin warranted.
150	Fremont cottonwood	Native	14	DDAF	Within Survey Area	None	Tree declin warranted.
151	Italian stone pine	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
152	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
153	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
154	Coast live oak	Native	40	Good	Within Survey Area	Potential impacts possible, protection recommended	
155	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
156	Coast live oak	Native	15	Good	Within Survey Area	Potential impacts possible, protection recommended	
157	Coast live oak	Native	20	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
158	Coast live oak	Native	15	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
159	Coast live oak	Native	10	Good	Within Survey Area	Potential impacts possible, protection recommended	
160	Coast live oak	Native	30	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
161	California bay laurel	Native	12	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
162	Bradford pear (Pyrus calleryana)	Non-native	13	DDAF	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
163	Monterey pine	Non-native	22	Dead	Within Survey Area	None	Not a hazar
164	Blue gum eucalyptus (Eucalyptus globulus)	Non-native _l	56	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
165	Coast live oak	Native	11	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
166	Coast live oak	Native	6	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
167	Coast live oak	Native	14	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
168	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
169	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
170	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
171	Blue gum eucalyptus	Non-native _l	40	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
172	Blue gum eucalyptus	Non-native _l	15	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
173	Blue gum eucalyptus	Non-native	28	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	

Survey Notes
eclining and planted in the wrong location; preservation not ted.
within a high traffic area and poses a hazard.
eclining and planted in the wrong location; preservation not ted.
eclining and planted in the wrong location; preservation not ted.
eclining and planted in the wrong location; preservation not ted.
azard. Good wildlife habitat.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
174	Blue gum eucalyptus	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
175	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
176	Italian stone pine	Non-native _l	24	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
177	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
178	Italian stone pine	Non-native _l	17	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
179	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
180	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
181	Italian stone pine	Non-native _l	18	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
182	Coast live oak	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
183	Coast live oak	Native	10	Good	Within Survey Area	Potential impacts possible, protection recommended	
184	Italian stone pine	Non-native _l	16	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
185	Italian stone pine	Non-native _l	16	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
186	Italian stone pine	Non-native _l	19	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
187	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
188	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
189	Italian stone pine	Non-native _l	15	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
190	Coast live oak	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
191	Italian stone pine	Non-native _l	16	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
192	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
193	Coast live oak	Native	11	Good	Within Survey Area	Potential impacts possible, protection recommended	
194	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
195	Coast redwood	Native	6	Dead	Within Survey Area	None	Tree prese
196	African sumac (Searsia lancea)	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
197	Italian stone pine	Non-native _l	22	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
198	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
199	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
200	Italian stone pine	Non-native _l	15	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
201	Peruvian pepper tree	Non-native	6	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
202	Peruvian pepper tree	Non-native	10	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
203	Peruvian pepper tree	Non-native	8	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
204	Coast live oak	Native	6	Fair	Within Survey Area	Potential impacts possible, protection recommended	

Survey Notes
presents no hazard.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
205	Coast live oak	Native	6	Fair	Within Survey Area	Potential impacts possible, protection recommended	
206	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
207	Coast live oak	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
208	Coast live oak	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
209	Italian stone pine	Non-native _l	17	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
210	Peruvian pepper tree	Non-native	8	DDAF	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
211	Italian stone pine	Non-native _l	16	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
212	Coast live oak	Native	8	Dead	Within Survey Area	None	Tree pres
213	Coast redwood	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
214	Coast live oak	Native	10	Good	Within Survey Area	Potential impacts possible, protection recommended	
215	Coast live oak	Native	14	Good	Within Survey Area	Potential impacts possible, protection recommended	
216	Coast live oak	Native	17	Good	Within Survey Area	Potential impacts possible, protection recommended	
217	Italian stone pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
218	California bay laurel	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
219	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
220	Coast live oak	Native	40	Good	Within Survey Area	Potential impacts possible, protection recommended	
221	Blue gum eucalyptus	Non-native _l	16	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
222	Coast live oak	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
223	Monterey pine	Non-native _l	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
224	Monterey pine	Non-native	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
225	Monterey pine	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
226	Monterey pine	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
227	Monterey pine	Non-native	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
228	Monterey pine	Non-native	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
229	Monterey pine	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
230	Monterey pine	Non-native	14	DDAF	Within Survey Area	None	
231	Monterey pine	Non-native	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
232	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
233	Blue gum eucalyptus	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
234	Monterey pine	Non-native _l	18	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
235	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	

Survey Notes
and as beyond
sents no hazard.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
236	Italian stone pine	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
237	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
238	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
239	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
240	Italian stone pine	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
241	Coast live oak	Native	10	Good	Within Survey Area	Potential impacts possible, protection recommended	
242	Monterey pine	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
243	Monterey pine	Non-native	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
244	Monterey pine	Non-native	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
245	Monterey pine	Non-native	9	Dead	Within Survey Area	None	Tree prese
246	Coast live oak	Native	14	Good	Within Survey Area	Potential impacts possible, protection recommended	
247	Coast live oak	Native	15	Good	Within Survey Area	Potential impacts possible, protection recommended	
248	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
249	Monterey pine	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
250	Monterey pine	Non-native	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
251	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
252	Italian stone pine	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
253	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
254	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
255	Coast live oak	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
256	Coast live oak	Native	14	Good	Within Survey Area	Potential impacts possible, protection recommended	
257	Monterey pine	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
258	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
259	Monterey pine	Non-native	35	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
260	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
261	Monterey pine	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
262	Monterey pine	Non-native	7	Dead	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
263	Monterey pine	Non-native	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
264	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
265	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
266	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	

esents no hazard.	Survey Notes
esents no hazard.	
	resents no hazard.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
267	Monterey pine	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
268	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
269	Coast live oak	Native	10	Good	Within Survey Area	Potential impacts possible, protection recommended	
270	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
271	Monterey pine	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
272	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
273	Monterey pine	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
274	Monterey pine	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
275	Italian buckthorn (Rhamnus alaternus)	Non-native	10	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
276	Italian stone pine	Non-native	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
277	Italian stone pine	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
278	Italian stone pine	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
279	Blue gum eucalyptus	Non-native _l	50	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
280	Coast live oak	Native	22	Good	Within Survey Area	Potential impacts possible, protection recommended	
281	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
282	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
283	Coast live oak	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
284	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
285	Blue elderberry (Sambucus nigra ssp. caerulea)	Native	7	DDAF	Within Survey Area	None	Tree decli
286	Bigleaf maple	Native	22	Good	Within Survey Area	Potential impacts possible, protection recommended	
287	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
288	Coast live oak	Native	19	Good	Within Survey Area	Potential impacts possible, protection recommended	
289	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
290	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
291	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
292	Coast live oak	Native	20	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
293	Coast live oak	Native	18	Fair	Within Survey Area	Potential impacts possible, protection recommended	Damage to
294	California bay laurel	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
295	Coast live oak	Native	16	Good	Within Survey Area	Potential impacts possible, protection recommended	
296	Coast live oak	Native	8	DDAF	Within Survey Area	None	Tree decli

Survey Notes
eclining; preservation not warranted.
ge to trunk from car, will likely heal.
eclining; preservation not warranted.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
297	Coast live oak	Native	18	Good	Within Survey Area	Potential impacts possible, protection recommended	
298	California bay laurel	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
299	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
300	Monterey pine	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
301	Coast live oak	Native	11	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
302	Monterey pine	Non-native _l	26	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
303	Monterey pine	Non-native _l	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
304	Monterey pine	Non-native _l	16	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
305	Monterey pine	Non-native _l	17	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
306	White ironbark (Eucalyptus leucoxylon)	Non-native	18	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
307	Monterey pine	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
308	Monterey pine	Non-native	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
309	Monterey pine	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
310	Monterey pine	Non-native	15	Dead	Within Survey Area	None	Tree preser
311	Monterey pine	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
312	Monterey pine	Non-native	14	Dead	Within Survey Area	None	Tree preser
313	White ironbark	Non-native	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
314	Monterey pine	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
315	White ironbark	Non-native	15	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
316	Monterey pine	Non-native	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
317	Monterey pine	Non-native	20	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
318	Monterey pine	Non-native	18	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
319	Monterey pine	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
320	Monterey pine	Non-native	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
321	Monterey pine	Non-native	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
322	Monterey pine	Non-native	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
323	Monterey pine	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
324	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
325	Monterey pine	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
326	Monterey pine	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	

Survey Notes	
sents no hazard.	
sents no hazard.	

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
327	Monterey pine	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
328	Monterey pine	Non-native _l	18	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
329	Monterey pine	Non-native _l	17	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
330	Monterey pine	Non-native _l	20	Dead	Within Survey Area	None	Tree pres
331	Monterey pine	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
332	Monterey pine	Non-native _l	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
333	Monterey pine	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
334	Monterey pine	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
335	Monterey pine	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
336	Monterey pine	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
337	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
338	Coast live oak	Native	11	Good	Within Survey Area	Potential impacts possible, protection recommended	
339	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
340	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
341	Monterey pine	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
342	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
343	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
344	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
345	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
346	Monterey pine	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
347	Monterey pine	Non-native _l	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
348	Monterey pine	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
349	Monterey pine	Non-native _l	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
350	Blue gum eucalyptus	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
351	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
352	Blue gum eucalyptus	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
353	Blue gum eucalyptus	Non-native _l	25	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
354	Blue gum eucalyptus	Non-native _l	35	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
355	Monterey pine	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
356	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
357	Blue gum eucalyptus	Non-native _l	23	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	

Survey Notes
sents no hazard.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
358	Blue gum eucalyptus	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
359	Monterey pine	Non-native _l	22	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
360	Monterey pine	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
361	Blue gum eucalyptus	Non-native _l	17	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
362	Blue gum eucalyptus	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
363	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
364	Blue gum eucalyptus	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
365	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
366	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
367	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
368	Blue gum eucalyptus	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
369	Monterey pine	Non-native _l	22	Dead	Within Survey Area	None	
370	Monterey pine	Non-native _l	21	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
371	Blue gum eucalyptus	Non-native _l	24	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
372	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
373	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
374	Blue gum eucalyptus	Non-native _l	19	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
375	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
376	Monterey pine	Non-native _l	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
377	Monterey pine	Non-native _l	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
378	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
379	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
380	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
381	Blue gum eucalyptus	Non-native _l	18	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
382	Blue gum eucalyptus	Non-native _l	15	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
383	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
384	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
385	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
386	Monterey pine	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
387	Blue gum eucalyptus	Non-native _l	16	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
388	Blue gum eucalyptus	Non-native	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	

Survey Notes

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
389	Blue gum eucalyptus	Non-native _l	20	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
390	Blue gum eucalyptus	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
391	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
392	Monterey pine	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
393	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
394	Blue gum eucalyptus	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
395	Blue gum eucalyptus	Non-native _l	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
396	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
397	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
398	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
399	Monterey pine	Non-native _l	8	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
400	Blue gum eucalyptus	Non-native _l	22	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
401	Blue gum eucalyptus	Non-native _l	19	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
402	Blue gum eucalyptus	Non-native _l	39	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
403	Monterey pine	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
404	White ironbark	Non-native	20	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
405	White ironbark	Non-native	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
406	White ironbark	Non-native	18	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
407	Monterey pine	Non-native _l	15	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
408	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
409	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
410	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
411	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
412	Blue gum eucalyptus	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
413	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
414	Blue gum eucalyptus	Non-native _l	18	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
415	Monterey pine	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
416	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
417	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
418	Monterey pine	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
419	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	

Survey Notes	
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Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
420	Fremont cottonwood	Native	6	DDAF	Within Survey Area	None	Tree declini warranted.
421	Fremont cottonwood	Native	8	DDAF	Within Survey Area	None	Tree declini warranted.
422	Blue gum eucalyptus	Non-native _l	23	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
423	Monterey pine	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
424	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
425	Blue gum eucalyptus	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
426	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
427	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
428	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
429	Blue gum eucalyptus	Non-native _l	15	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
430	Blue gum eucalyptus	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
431	Blue gum eucalyptus	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
432	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
433	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
434	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
435	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
436	Blue gum eucalyptus	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
437	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
438	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
439	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
440	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
441	Blue gum eucalyptus	Non-native _l	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
442	Blue gum eucalyptus	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
443	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
444	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
445	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
446	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
447	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
448	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
449	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	

East Bay Municipal Utility District Quarry Site Restoration Project

Survey Notes
leclining and planted in the wrong location; preservation not nted.
leclining and planted in the wrong location; preservation not nted.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
450	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
451	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
452	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
453	Blue gum eucalyptus	Non-native _l	19	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
454	Blue gum eucalyptus	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
455	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
456	Blue gum eucalyptus	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
457	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
458	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
459	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
460	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
461	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
462	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
463	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
464	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
465	Blue gum eucalyptus	Non-native _l	15	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
466	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
467	Fremont cottonwood	Native	6	Dead	Within Survey Area	None	
468	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
469	Blue gum eucalyptus	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
470	Blue gum eucalyptus	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
471	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
472	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
473	Coast redwood	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
474	Coast redwood	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
475	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
476	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
477	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
478	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
479	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
480	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	

Survey Notes	
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Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
481	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
482	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
483	Monterey pine	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
484	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
485	Monterey pine	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
486	Monterey pine	Non-native _l	14	Dead	Within Survey Area	None	
487	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
488	Monterey pine	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
489	Blue gum eucalyptus	Non-native _l	60	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
490	Blue gum eucalyptus	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
491	Coast redwood	Native	7	DDAF	Within Survey Area	None	Tree is bei warranted.
492	Blue gum eucalyptus	Non-native	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
493	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
494	Blue gum eucalyptus	Non-native	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
495	Monterey pine	Non-native	16	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
496	Blue gum eucalyptus	Non-native	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
497	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
498	Blue gum eucalyptus	Non-native	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
499	Monterey pine	Non-native	11	DDAF	Within Survey Area	None	
500	Blue gum eucalyptus	Non-native	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
501	Coast redwood	Native	6	DDAF	Within Survey Area	None	Tree is bei warranted.
502	Blue gum eucalyptus	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
503	Monterey pine	Non-native _l	12	DDAF	Within Survey Area	None	
504	Blue gum eucalyptus	Non-native _l	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
505	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
506	Fremont cottonwood	Native	6	DDAF	Within Survey Area	None	
507	Monterey pine	Non-native _l	14	Dead	Within Survey Area	None	
508	Coast redwood	Native	6	DDAF	Within Survey Area	None	Tree is bei warranted.
509	Monterey pine	Non-native _l	16	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	

Survey Notes
being outcompeted by the eucalyptus stand; preservation not ted.
being outcompeted by the eucalyptus stand; preservation not ted.
being outcompeted by the eucalyptus stand; preservation not ted.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
510	Monterey pine	Non-native _l	14	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
511	Monterey pine	Non-native _l	14	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
512	Blue gum eucalyptus	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
513	Monterey pine	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
514	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
515	Monterey pine	Non-native _l	9	DDAF	Within Survey Area	None	Tree is be
516	Monterey pine	Non-native _l	12	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	Tree is be
517	Monterey pine	Non-native _l	16	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	Tree is be
518	Monterey pine	Non-native _l	18	Dead	Within Survey Area	None	Tree is be
519	Monterey pine	Non-native _l	14	DDAF	Within Survey Area	None	Tree is be
520	Monterey pine	Non-native _l	14	DDAF	Within Survey Area	None	Tree is be
521	Blue gum eucalyptus	Non-native _l	15	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
522	Monterey pine	Non-native _l	11	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	Tree is be
523	Blue gum eucalyptus	Non-native _l	30	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
524	Coast live oak	Native	20	Good	Within Survey Area	Potential impacts possible, protection recommended	
525	Coast live oak	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
526	Coast live oak	Native	26	Good	Within Survey Area	Potential impacts possible, protection recommended	
527	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
528	Monterey pine	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
529	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
530	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
531	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
532	Blue gum eucalyptus	Non-native _l	10	Good	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
533	Blue gum eucalyptus	Non-native _l	19	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
534	Coast redwood	Native	6	DDAF	Within Survey Area	None	Tree is be warranted
535	Blue gum eucalyptus	Non-native	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
536	Monterey pine	Non-native	12	Dead	Within Survey Area	None	
537	Blue gum eucalyptus	Non-native	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
538	Blue gum eucalyptus	Non-native	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
539	Blue gum eucalyptus	Non-native	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	

Survey Notes

being outcompeted by the eucalyptus stand.

being outcompeted by the eucalyptus stand; preservation not ted.

East Bay Municipal Utility District Quarry Site Restoration Project

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
540	Monterey pine	Non-native _l	14	DDAF	Within Survey Area	None	
541	Monterey pine	Non-native _l	13	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
542	Blue gum eucalyptus	Non-native _l	16	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
543	Blue gum eucalyptus	Non-native _l	23	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
544	Blue gum eucalyptus	Non-native _l	7	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
545	Blue gum eucalyptus	Non-native _l	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
546	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
547	Blue gum eucalyptus	Non-native _l	9	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
548	Blue gum eucalyptus	Non-native _l	8	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
549	Blue gum eucalyptus	Non-native _l	17	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
550	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
551	Blue gum eucalyptus	Non-native _l	6	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
552	Blue gum eucalyptus	Non-native _l	20	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
553	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
554	Blue gum eucalyptus	Non-native _l	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
555	Blue gum eucalyptus	Non-native _l	12	Good	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
556	Blue gum eucalyptus	Non-native _l	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
557	Blue gum eucalyptus	Non-native _l	18	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
558	Monterey pine	Non-native _l	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
559	Blue gum eucalyptus	Non-native _l	24	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
560	Blue gum eucalyptus	Non-native _l	37	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
561	Blue gum eucalyptus	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
562	Blue gum eucalyptus	Non-native _l	17	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
563	Blue gum eucalyptus	Non-native _l	19	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
564	Blue gum eucalyptus	Non-native _l	19	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
565	Blue gum eucalyptus	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
566	Blue gum eucalyptus	Non-native _l	10	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
567	Monterey pine	Non-native _l	12	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
568	Monterey pine	Non-native _l	7	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
569	Monterey pine	Non-native _l	10	Fair	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
570	Monterey pine	Non-native _l	14	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	

Survey Notes

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
571	Monterey pine	Non-native _l	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
572	Monterey pine	Non-native _l	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
573	Monterey pine	Non-native _l	13	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
574	Monterey pine	Non-native _l	11	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
575	Blue gum eucalyptus	Non-native _l	36	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
576	Blue gum eucalyptus	Non-native _l	24	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
577	Blue gum eucalyptus	Non-native _l	29	Good	Within Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
578	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
579	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
580	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
581	Coast live oak	Native	7	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
582	Coast live oak	Native	16	Good	Within Survey Area	Potential impacts possible, protection recommended	
583	Coast live oak	Native	9	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
584	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
585	Coast live oak	Native	14	Good	Within Survey Area	Potential impacts possible, protection recommended	
586	Blue elderberry	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
587	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
588	Blue elderberry	Native	11	Good	Within Survey Area	Potential impacts possible, protection recommended	
589	Blue elderberry	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
590	Coast live oak	Native	11	Good	Within Survey Area	Potential impacts possible, protection recommended	
591	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
592	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
593	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
594	Coast live oak	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
595	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
596	Blue elderberry	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
597	Blue elderberry	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
598	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
599	California bay laurel	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
600	California bay laurel	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
601	California bay laurel	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	

Survey Notes	
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Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
602	Coast redwood	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
603	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
604	Coast live oak	Native	24	Good	Within Survey Area	Potential impacts possible, protection recommended	
605	Coast live oak	Native	23	Good	Within Survey Area	Potential impacts possible, protection recommended	
606	Coast redwood	Native	15	Good	Within Survey Area	Potential impacts possible, protection recommended	
607	Coast redwood	Native	15	Good	Within Survey Area	Potential impacts possible, protection recommended	
608	Coast redwood	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
609	Coast redwood	Native	17	Good	Within Survey Area	Potential impacts possible, protection recommended	
610	Coast redwood	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
611	Coast live oak	Native	6	Good	Within Survey Area	Potential impacts possible, protection recommended	
612	California bay laurel	Native	24	Good	Within Survey Area	Potential impacts possible, protection recommended	
613	Coast redwood	Native	8	Good	Within Survey Area	Potential impacts possible, protection recommended	
614	Coast redwood	Native	9	Good	Within Survey Area	Potential impacts possible, protection recommended	
615	Coast live oak	Native	7	Good	Within Survey Area	Potential impacts possible, protection recommended	
616	Coast live oak	Native	6	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
617	Coast live oak	Native	6	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
618	Bigleaf maple	Native	8	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
619	Coast live oak	Native	17	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
620	Coast live oak	Native	10	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
621	Coast live oak	Native	8	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
622	Coast live oak	Native	18	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
623	Coast live oak	Native	8	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
624	Coast live oak	Native	11	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
625	Coast live oak	Native	12	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
626	Coast live oak	Native	15	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
627	Coast live oak	Native	6	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
628	Coast live oak	Native	6	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
629	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
630	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
631	Coast live oak	Native	11	Good	Within Survey Area	Potential impacts possible, protection recommended	
632	Coast live oak	Native	10	Good	Within Survey Area	Potential impacts possible, protection recommended	

Survey Notes

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
633	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
634	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
635	Coast live oak	Native	12	Good	Within Survey Area	Potential impacts possible, protection recommended	
636	Coast live oak	Native	13	Good	Within Survey Area	Potential impacts possible, protection recommended	
637	Coast live oak	Native	21	Good	Within Survey Area	Potential impacts possible, protection recommended	
638	Coast live oak	Native	20	Good	Within Survey Area	Potential impacts possible, protection recommended	
639	Coast live oak	Native	19	Good	Within Survey Area	Potential impacts possible, protection recommended	
640	Coast live oak	Native	19	Good	Within Survey Area	Potential impacts possible, protection recommended	
641	California bay laurel	Native	11	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
642	California bay laurel	Native	8	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
643	Monterey pine	Non-native _l	27	Good	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
644	Monterey pine	Non-native _l	25	Good	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
645	Monterey pine	Non-native _l	16	Good	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
646	Monterey pine	Non-native _l	14	Good	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
647	Monterey pine	Non-native _l	8	Good	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
648	Monterey pine	Non-native _l	11	Good	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
649	Coast live oak	Native	8	Good	Adjacent to Survey Area	Potential impacts possible, protection recommended	
650	Monterey pine	Non-native _l	18	Good	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
651	Monterey pine	Non-native _l	26	Fair	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
652	Monterey pine	Non-native _l	26	Dead _R	Adjacent to Survey Area	None	Tree is wit
653	Monterey pine	Non-native _l	26	Dead _R	Adjacent to Survey Area	None	Tree is wit
654	Monterey pine	Non-native _l	10	Good	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
655	Monterey pine	Non-native	26	DDBF _R	Adjacent to Survey Area	None	Tree is wit infested wit
656	Monterey pine	Non-native _l	26	DDBF _R	Adjacent to Survey Area	None	Tree is wit infested wit
657	Monterey pine	Non-native _l	12	Dead	Adjacent to Survey Area	None	Tree does
658	Monterey pine	Non-native _l	31	Good	Adjacent to Survey Area	Potential impacts expected - non-native tree, preservation not warranted	
659	California bay laurel	Native	18	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
660	Coast live oak	Native	16	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
661	Coast live oak	Native	12	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
662	California bay laurel	Native	18	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codor

Survey Notes
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oes not pose a hazard.
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odominant stems.
odominant stems.

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
663	Coast live oak	Native	14	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
664	Monterey pine	Non-native _l	22	Dead	Adjacent to Survey Area	None	
665	Monterey pine	Non-native _l	23	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
666	Monterey pine	Non-native _l	27	Dead	Adjacent to Survey Area	None	
667	Coast live oak	Native	9	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
668	Coast live oak	Native	6	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
669	Coast live oak	Native	11	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
670	Coast live oak	Native	10	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
671	Coast live oak	Native	6	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
672	California bay laurel	Native	9	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
673	Monterey pine	Non-native _l	22	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
674	Monterey pine	Non-native _l	24	Fair	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
675	Monterey pine	Non-native _l	24	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
676	Monterey pine	Non-native _l	21	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
677	Monterey pine	Non-native _l	20	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
678	Monterey pine	Non-native _l	26	Dead	Adjacent to Survey Area	None	
679	Coast live oak	Native	7	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
680	Monterey pine	Non-native _l	20	Fair	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
681	Monterey pine	Non-native _l	21	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
682	Coast live oak	Native	11	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
683	Monterey pine	Non-native _l	18	Dead	Adjacent to Survey Area	None	
684	Coast live oak	Native	7	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
685	Monterey pine	Non-native _l	27	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
686	Monterey pine	Non-native _l	22	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
687	Monterey pine	Non-native _l	27	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
688	Monterey pine	Non-native _l	21	Dead	Adjacent to Survey Area	None	
689	Monterey pine	Non-native _l	25	Dead	Adjacent to Survey Area	None	
690	Coast live oak	Native	7	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
691	Coast live oak	Native	6	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
692	Monterey pine	Non-native _l	29	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
693	Monterey pine	Non-native _l	24	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	

Survey Notes

Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
694	Monterey pine	Non-native _l	28	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
695	Monterey pine	Non-native _l	26	Dead	Adjacent to Survey Area	None	
696	Monterey pine	Non-native _l	26	Dead	Adjacent to Survey Area	None	
697	Monterey pine	Non-native _l	28	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
698	Monterey pine	Non-native _l	25	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
699	Monterey pine	Non-native _l	24	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
700	Monterey pine	Non-native _l	6	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
701	Monterey pine	Non-native _l	18	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
702	Monterey pine	Non-native _l	14	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
703	Monterey pine	Non-native _l	15	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
704	Monterey pine	Non-native _l	14	Dead	Adjacent to Survey Area	None	
705	Monterey pine	Non-native _l	28	Good	Adjacent to Survey Area	Potential Impacts Expected - Non-Native Tree, Preservation not Warranted	
706	Coast live oak	Native	7	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
707	Coast live oak	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
708	Coast live oak	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
709	Coast live oak	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
710	California bay laurel	Native	7	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
711	California bay laurel	Native	11	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Eight codo
712	California bay laurel	Native	14	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
713	California bay laurel	Native	14	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Three codo
714	California bay laurel	Native	7	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
715	California bay laurel	Native	10	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
716	California bay laurel	Native	10	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codon
717	California bay laurel	Native	14	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codon
718	California bay laurel	Native	16	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
719	California bay laurel	Native	13	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
720	California bay laurel	Native	14	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
721	California bay laurel	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codon
722	California bay laurel	Native	7	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
723	California bay laurel	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
724	California bay laurel	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	

Survey Notes
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Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
725	California bay laurel	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Three coo
726	California bay laurel	Native	9	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Three coo
727	California bay laurel	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
728	California bay laurel	Native	7	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
729	California bay laurel	Native	9	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
730	California bay laurel	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
731	California bay laurel	Native	14	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
732	Coast live oak	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
733	Bigleaf maple	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
734	Bigleaf maple	Native	9	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
735	Coast live oak	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
736	Coast live oak	Native	11	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
737	Coast live oak	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
738	Coast live oak	Native	11	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
739	California bay laurel	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
740	Coast live oak	Native	16	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
741	Coast live oak	Native	23	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
742	Coast live oak	Native	7	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
743	Coast live oak	Native	9	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
744	Coast live oak	Native	7	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
745	Coast live oak	Native	7	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
746	Coast live oak	Native	7	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
747	Coast live oak	Native	7	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
748	Coast live oak	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
749	Coast live oak	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
750	California bay laurel	Native	13	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
751	California bay laurel	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
752	California bay laurel	Native	6	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
753	California bay laurel	Native	14	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
754	California bay laurel	Native	7	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
755	California bay laurel	Native	9	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	Two codo

Survey Notes
odominant stems.
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Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
756	California bay laurel	Native	20	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
757	California bay laurel	Native	22	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
758	California bay laurel	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
759	California bay laurel	Native	6	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
760	California bay laurel	Native	7	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
761	California bay laurel	Native	28	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
762	California bay laurel	Native	10	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
763	California bay laurel	Native	10	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	Three cod
764	California bay laurel	Native	11	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
765	Coast live oak	Native	16	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
766	Bigleaf maple	Native	11	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
767	California bay laurel	Native	6	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
768	Coast live oak	Native	12	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
769	Coast live oak	Native	7	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
770	California bay laurel	Native	18	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Three cod
771	Coast live oak	Native	10	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
772	Bigleaf maple	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
773	Bigleaf maple	Native	10	Fair	Within Survey Area	Potential Impacts Possible - Protection Recommended	
774	Coast live oak	Native	9	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
775	Coast live oak	Native	9	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
776	Coast live oak	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
777	Coast live oak	Native	10	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
778	Coast live oak	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
779	Coast live oak	Native	15	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
780	Coast live oak	Native	16	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
781	California bay laurel	Native	12	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
782	California bay laurel	Native	15	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
783	California bay laurel	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
784	California bay laurel	Native	15	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
785	California bay laurel	Native	13	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codo
786	California bay laurel	Native	10	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codo

	Survey Notes
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Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
787	Coast live oak	Native	11	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Î
788	Coast live oak	Native	18	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
789	California bay laurel	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codon
790	California bay laurel	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Three code
791	California bay laurel	Native	11	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
792	Coast live oak	Native	15	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
793	California bay laurel	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
794	California bay laurel	Native	10	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Three code
795	California bay laurel	Native	9	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Three code
796	Coast live oak	Native	20	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
797	Coast live oak	Native	10	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
798	California bay laurel	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
799	California bay laurel	Native	12	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
800	California bay laurel	Native	14	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Three code
801	California bay laurel	Native	14	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
802	Coast live oak	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
803	California bay laurel	Native	13	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
804	California bay laurel	Native	13	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
805	Coast live oak	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
806	California bay laurel	Native	15	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codon
807	California bay laurel	Native	13	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codon
808	California bay laurel	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
809	California bay laurel	Native	14	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Three code
810	California bay laurel	Native	10	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
811	California bay laurel	Native	9	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
812	California bay laurel	Native	16	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Six codomi
813	California bay laurel	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
814	California bay laurel	Native	11	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codon
815	California bay laurel	Native	8	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
816	California bay laurel	Native	10	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
817	California bay laurel	Native	9	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codon

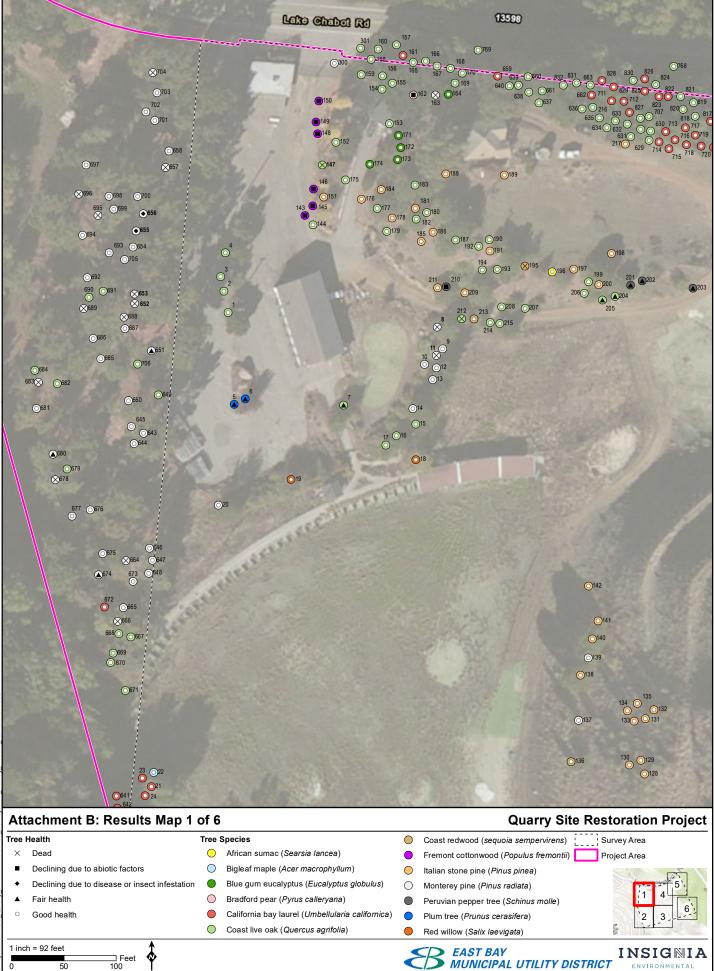
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Tree Number	Species	Origin	Diameter at Breast Height	Health Rating	Proximity to Survey Area	Potential Impacts and Recommendations	
818	Coast live oak	Native	9	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
819	Coast live oak	Native	10	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Three coo
820	Coast live oak	Native	12	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
821	Coast live oak	Native	7	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
822	California bay laurel	Native	17	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
823	California bay laurel	Native	15	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Five codo
824	Coast live oak	Native	13	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
825	California bay laurel	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Six codon
826	California bay laurel	Native	11	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
827	California bay laurel	Native	13	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Nine codo
828	California bay laurel	Native	19	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	Nine codo
829	California bay laurel	Native	16	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Five codo
830	Coast live oak	Native	6	Good	Adjacent to Survey Area	Potential Impacts Possible - Protection Recommended	
831	Coast live oak	Native	16	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	
832	Coast live oak	Native	6	Good	Within Survey Area	Potential Impacts Possible - Protection Recommended	Two codo

Note: DDAF = declining due to abiotic factors; DDBF = declining due to biotic factors; R = This tree is recommended for removal; I = This species is spreading invasively in the Project area.

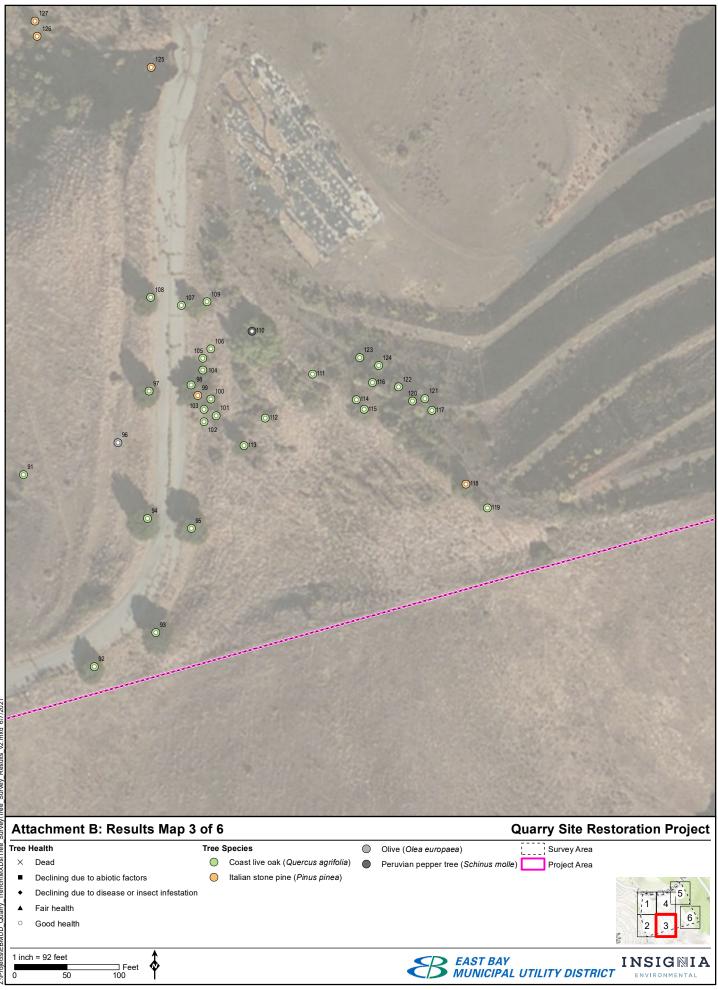
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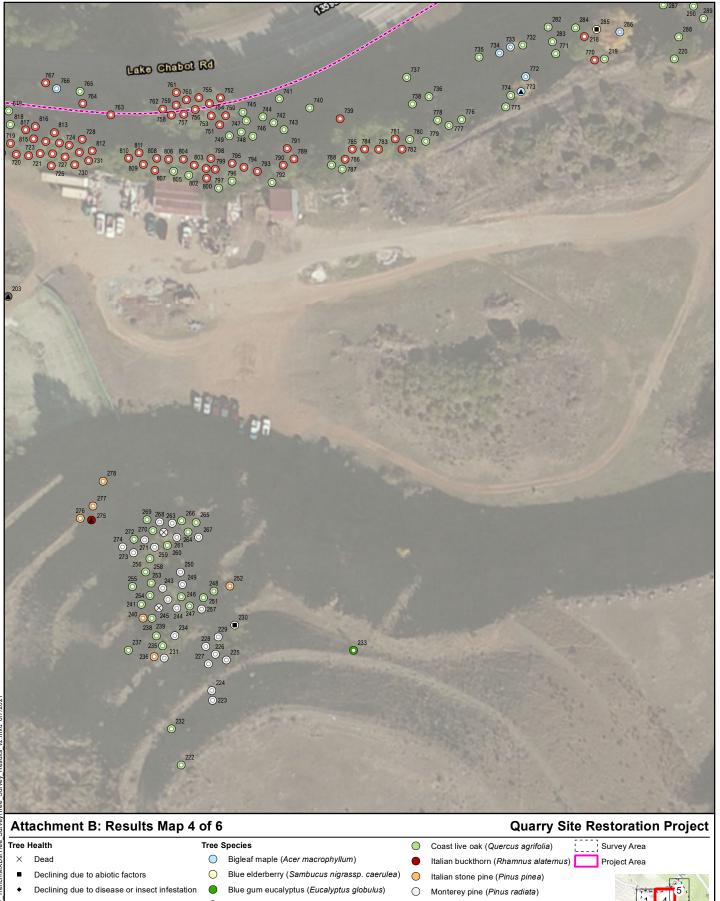
ATTACHMENT B: RESULTS MAPS





At	achment B: Results Map 2	of 6	;	Quarry Site Restoration Project		
Tree × ■ ▲	Health Dead Declining due to abiotic factors Declining due to disease or insect infestation Fair health Good health	•	Species California bay laurel (<i>Umbellularia californica</i>) Coast live oak (<i>Quercus agrifolia</i>) Coast redwood (<i>sequoia sempervirens</i>) Coulter pine (<i>Pinus coulteri</i>)			vey Area liect Area
1 inch = 92 feet 0 50 100					B EAST BAY MUNICIPAL UTILITY DISTRIC	





0 Good health

50

1 inch = 92 feet

0

	California bay laurel (Umbellularia californica)	Peruvian pepper tree (Schinus molle)	2 3 -
Feet		EAST BAY MUNICIPAL UTILITY DISTR	



At	achment B: Results Map 5	of 6	i i i i i i i i i i i i i i i i i i i		Quarry Site Restoration Project
Tree × ■ •	Health Dead Declining due to abiotic factors Declining due to disease or insect infestation Fair health Good health	Tree	Species Bigleaf maple (Acer macrophyllum) Blue elderberry (Sambucus nigrassp. caerulea) Blue gum eucalyptus (Eucalyptus globulus)		California bay laurel (Umbellularia californica) Survey Area Coast live oak (Quercus agrifolia) Project Area Coast redwood (sequoia sempervirens)
1 inc 0	h = 92 feet 50 100			٤	EAST BAY MUNICIPAL UTILITY DISTRICT

