

Subject: [PDF] A SUMMARY OF OBSERVATIONS & RECOMMENDATIONS CONCERNING THE BLUE GUM EUCALYPTUS TREE LOCATED BEHIND THE RESIDENCES AT 935 & 1001 BALBOA AVENUE, CAPITOLA - SITE VISIT ON APRIL 21, 2022:

May 19, 2022

Please find my analysis of this tree.

The tree of concern is a mature Blue Gum Eucalyptus (*Eucalyptus globulus*). The trunk of this tree transects the boundary between these residential properties.

Observations:

- This tree has a 60-inch diameter trunk, measured at 54-inches above ground and it is approximately 135-feet tall. The tree exhibit's good health and vitality, as evidenced by its good foliage condition.
- I determined that this tree has a fair structural condition, because it has a codominant growth pattern (two codominant stems attached to the trunk at about 12-feet above ground) and because there is some dead wood within its canopy.
- I inspected the base of the trunk at ground level and observed that it has a good root flare with no defects evident in this area. The trunk appeared to be sound, with no evidence of defects or fungal decay in it.
- I observed that this tree has two codominant stems (secondary trunks), attached to the trunk at about 12-feet above ground. The area of attachment in between the codominant stems appears to be strong, despite being narrow.
- I observed that this tree has developed a symmetrical canopy shape, having grown out in the open. The limb structure does not appear to be overly heavy or overextended in length. The attachment areas of these limbs to the codominant stems appeared to be strong when observed from the ground.
- I observed a number of dead branches within the tree's canopy that are over 1.5-inches in diameter.

Tree Risk Assessment:

I undertook an ISA Level-Two Risk Assessment by walking around the trunk and observing this tree from all sides.

I utilized the ISA Basic Tree Risk Assessment Form and made the following determinations based upon the likelihood of tree failure occurring within a three year period (see the attached form):

- I determined the likelihood of the tree falling or living branches falling within 3-years, to be improbable. I concluded that this tree represents a low risk regarding these concerns.
- I determined the likelihood of dead branches falling within 3-years to be possible. I concluded that this tree represents a moderate risk concerning the likelihood of the dead branches falling onto the properties below.
- I determined that the dead wood that is larger than 1-inch diameter needs to be removed at this time.
- I determined that this tree is inspected by a Certified Arborist every three-years.

Recommendations:

I recommend that this tree is pruned by a State Licensed Tree Service. This work must be done under the supervision of an ISA Certified Arborist (see the attached list of recommended tree service providers).

- I recommend that all dead branches over 1-inch diameter be removed.
- I also recommend that some of the heavier limbs be thinned in their ends in order to reduce their weight and the possibility of them failing in the future. This is skilled work and it must be done by a competent tree service provider, utilizing thinning cuts, not stub cuts or heading cuts.
- I recommend that consideration is given to installing a support cable in between the two codominant stems at this time, even though I determined the likelihood of them failing to be improbable within a period of three years. The installation of a cable will serve to reduce the chance of them failing the future. Tree support cables must consist of EHS-Grade galvanized cable attached to through rods or approved cable end-stops. I recommend that cables are periodically inspected by an arborist to ensure that they are in good condition.
- I recommend that this tree is inspected by a Certified Arborist every three years.

Please contact me if you have any questions.

Respectfully submitted

Nigel Belton

ISA - Tree Risk Assessment Qualification

Attachments:

- Assumptions & Limiting Conditions
- Basic ISA Tree Risk Assessment Form
- Photograph of the subject tree

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Nigel Belton - Consulting Arborist
ISA Certified Arborist WE-0410A

Assumptions and limiting Conditions

1. Any legal description given by the appraiser/consultant is assumed to be correct. No responsibility is assumed for matters legal in character nor is any opinion rendered as to the quality of any title.
2. The appraiser /consultant can neither guarantee nor be responsible for accuracy of information provided by others.
3. The appraiser/consultant shall not be required to give testimony or to attend court by reason of this appraisal unless subsequent written arrangements are made, including payment of an additional fee for services.
4. Loss or removal of any part of this report invalidates the entire appraisal/evaluation.
5. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person(s) to whom it is addressed without written consent of the appraiser/consultant.
6. This report and the values expressed herein represent the opinion of the appraiser/consultant, and the appraiser's/consultant's fee is in no way contingent upon the reporting of a specified value nor upon any finding to be reported.
7. Sketches, diagrams, graphs, photos, etc in this report, being intended as visual aids, are not necessarily to scale and should not be construed as engineering reports or surveys.
8. This report has been made in conformity with acceptable appraisal/evaluation/diagnostic reporting techniques and procedures, as recommended by the International Society of Arboriculture.
9. When applying any pesticide, fungicide, or herbicide, always follow label instructions.
10. No tree described in this report was climbed, unless otherwise stated. We cannot take responsibility for any defects which only could have been discovered by climbing. A full root collar inspection, consisting of excavating the soil around the tree to uncover the root collar and major buttress roots was not performed, unless otherwise stated. We cannot take responsibility for any root defects which could only have been discovered by such an inspection.

Consulting Arborist Disclosure Statement

Arborists are tree specialists who use their education, knowledge, training, and experience to examine trees, recommend measures to enhance the beauty and health of trees, and attempt to reduce risk of living near trees. Clients may choose to accept or disregard the recommendations of the arborist, or to seek additional advice.

Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. Trees are living organisms that fail in ways we do not fully understand. Conditions are often hidden within the trees and below ground. Arborists cannot guarantee that a tree will be healthy or safe under all circumstances, or for a specified period of time. Likewise, remedial treatments, like medicine, cannot be guaranteed.

Trees can be managed, but they cannot be controlled. To live near trees is to accept some degree of risk. The only way to eliminate all risk associated with trees is to eliminate all trees.

Nigel Belton
ISA Certified Arborist – WE 410A

ISA Basic Tree Risk Assessment Form

Client City of Capitola Date 4/21/22 Time _____
 Address/Tree location 935 + 1001 Balboa Ave, Capitola Tree no. _____ Sheet _____ of _____
 Tree species Blue Gum Eucalyptus dbh 60" Height 135' Crown spread dia. _____
 Assessor(s) Nigel Betton Tools used Nikon Range Finder Time frame 3-Years

Target Assessment

Target number	Target description	Target protection	Target zone			Occupancy rate 1-rare 2-occasional 3-frequent 4-constant	Practical to move target?	Restriction practical?
			Target within drip line	Target within 1x Ht.	Target within 1.5x Ht.			
1	935 Balboa Ave - Residence + yard	None	✓			4	No	No
2	1001 " " " " "	"	✓			4	No	No
3								
4								

Site Factors

History of failures None that I am aware of. Topography Flat Slope % Aspect _____
 Site changes None Grade change Site clearing Changed soil hydrology Root cuts Describe _____
 Soil conditions Limited volume Saturated Shallow Compacted Pavement over roots % Describe _____
 Prevailing wind direction West Common weather Strong winds Ice Snow Heavy rain Describe Winter Storms

Tree Health and Species Profile

Vigor Low Normal High Foliage None (seasonal) None (dead) Normal _____ % Chlorotic _____ % Necrotic _____ %
 Pests/Biotic _____ Abiotic _____
 Species failure profile Branches Trunk Roots Describe Low

Load Factors

Wind exposure Protected Partial Full Wind funneling From West Relative crown size Small Medium Large
 Crown density Sparse Normal Dense Interior branches Few Normal Dense Vines/Mistletoe/Moss
 Recent or expected change in load factors None

Tree Defects and Conditions Affecting the Likelihood of Failure

— Crown and Branches —

Unbalanced crown LCR 75 %
 Dead twigs/branches 5.5 % overall Max. dia. 3"
 Broken/Hangers Number _____ Max. dia. _____
 Over-extended branches
 Pruning history
 Crown cleaned Thinned Raised
 Reduced Topped Lion-tailed
 Flush cuts Other _____
 Cracks Lightning damage
 Codominant Included bark
 Weak attachments Cavity/Nest hole _____ % circ.
 Previous branch failures Similar branches present
 Dead/Missing bark Cankers/Galls/Burls Sapwood damage/decay
 Conks Heartwood decay
 Response growth _____
No significant defects but dead wood requires to be removed in high winds Condition(s) of concern _____
 Part Size 3" diameter Fall Distance 75'
 Load on defect N/A Minor Moderate Significant
 Likelihood of failure Improbable Possible Probable Imminent

— Trunk —

Dead/Missing bark Abnormal bark texture/color
 Codominant stems Included bark Cracks
 Sapwood damage/decay Cankers/Galls/Burls Sap ooze
 Lightning damage Heartwood decay Conks/Mushrooms
 Cavity/Nest hole _____ % circ. Depth _____ Poor taper
 Lean _____ ° Corrected? _____
 Response growth _____
 Condition(s) of concern Codominant stems not a significant defect
 Part Size _____ Fall Distance _____
 Load on defect N/A Minor Moderate Significant
 Likelihood of failure Improbable Possible Probable Imminent

— Roots and Root Collar —

Collar buried/Not visible Depth _____ Stem girdling
 Dead Decay Conks/Mushrooms
 Ooze Cavity _____ % circ.
 Cracks Cut/Damaged roots Distance from trunk _____
 Root plate lifting Soil weakness
 Response growth _____
 Condition(s) of concern No defects seen
 Part Size _____ Fall Distance _____
 Load on defect N/A Minor Moderate Significant
 Likelihood of failure Improbable Possible Probable Imminent

Risk Categorization

Target (Target number or description)	Tree part	Condition(s) of concern	Likelihood											Consequences				Risk rating (from Matrix 2)	
			Failure				Impact				Failure & Impact (from Matrix 1)								
			Improbable	Possible	Probable	Imminent	Very low	Low	Medium	High	Unlikely	Somewhat	Likely	Very likely	Negligible	Minor	Significant		Severe
1-935 Balboa 2-1001 Balboa	Trunk & living branches	No significant defects	<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>	Low
	dead branches	dead		<input checked="" type="checkbox"/>							<input checked="" type="checkbox"/>							<input checked="" type="checkbox"/>	Moderate

Matrix 1. Likelihood matrix.

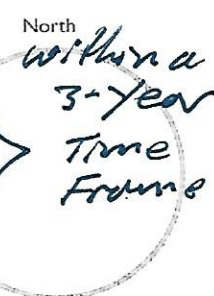
Likelihood of Failure	Likelihood of Impact			
	Very low	Low	Medium	High
Imminent	Unlikely	Somewhat likely	Likely	Very likely
Probable	Unlikely	Unlikely	Somewhat likely	Likely
Possible	Unlikely	Unlikely	Unlikely	Somewhat likely
Improbable	Unlikely	Unlikely	Unlikely	Unlikely

Matrix 2. Risk rating matrix.

Likelihood of Failure & Impact	Consequences of Failure			
	Negligible	Minor	Significant	Severe
Very likely	Low	Moderate	High	Extreme
Likely	Low	Moderate	High	High
Somewhat likely	Low	Low	Moderate	Moderate
Unlikely	Low	Low	Low	Low

Notes, explanations, descriptions

Likelihood of tree falling is improbable = Low risk
 Likelihood of living branches falling is improbable = Low Risk
 Likelihood of dead wood falling is possible = Moderate Risk
 Overall Risk Rating for this tree is Moderate



Mitigation options

1. Remove the dead branches Residual risk _____
2. _____ Residual risk _____
3. _____ Residual risk _____
4. _____ Residual risk _____

Overall tree risk rating Low Moderate High Extreme

Overall residual risk None Low Moderate High Extreme Recommended inspection interval every 3 years

Data Final Preliminary Advanced assessment needed No Yes-Type/Reason _____

Inspection limitations None Visibility Access Vines Root collar buried Describe None



Nigel Belton

Consulting Arborist

Recommended Tree Services and Pest and Disease Specialists:

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Please find below a list of recommended tree service providers. Note that all tree service providers must be State Licensed Contractors and should have an ISA Certified Arborist on staff concerning any tree pruning and maintenance work. I recommended that prospective contractors provide proof of current General Liability and Workman's Compensation Insurance coverage for your own protection.

Recommended Companies for Tree Pruning and Support Cable Installation Work:

- Lewis Tree Service (Crew with Tito) – 831 476 1200
- Nature First Tree Service – (now Davey Residential) - 831 462 8233
- Peter Quintanilla – 831 760 0160 (small tree specialist in Monterey & Santa Cruz Counties)
- Area Custom Tree Service – 650 969 7076
- Smith Tree Service 831 649 4343 (Monterey Peninsula Area)
- Quality Arborcare 831 423 6441
- Arborwell (888) 969 8733

Recommended Companies for Tree Removal Work:

- Lewis Tree Service – 831 476 1200
- Community Tree Service – 831 763 2391
- Christianson Tree Experts – 831 425 0801
- Quality Arborcare – 831 423 6441
- La Selva Tree Service (831) 708 8733
- Econo Tree Service – 650 367 4900
- Professional Tree Care Co. – 888 335 8733
- Atlas Tree Surgery 707 523 4399 (Santa Rosa)



Ph / Fax (831) 688-1239

P.O. Box 1744 ~ Aptos, CA 95001 ~

~ beltonnigel@gmail.com

Recommended Tree Services and Pest and Disease Specialists:

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Recommended Pest and Disease Control People:

- Geno Vitale – Vitale Tree Care - (831) 234 3520
- Don Cox – drtreelove@gmail.com
- West Valley Spray Company – 408 378 8530
- Peninsula Pest Management (Monterey County) - 831 753 2847
- Smith's Pest Management – 408 514 5703

Fruit Tree Pruning and Orchard Management:

- Terence Welch – 831 435 8733
- Orchard Keepers – 831 854 7811

Olive Tree Specialist:

John Hadley – (707) 887-0240 – From Santa Rosa – Comes down to existing clients in this area periodically.

Referred by:

**Nigel Belton – Consulting Arborist – ISA Certified Arborist WE-0410A
831 688 1239 – beltonnigel@gmail.com**