

# Arborist Evaluation & Recommendations



PENINSULA  
ENVIRONMENTAL  
GROUP, INC.

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**Report Date:** 6/25/19 **Project Number:** PEG0103

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**Project Address:** Parcel Number 931 900 019  
Bayview Village Tract A  
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**Project Name:** Bayview Village Detention Pond

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Thank you for the opportunity to evaluate and address your project. We appreciate your business and look forward to working with you in the future. If you have questions do not hesitate to contact us. Peninsula Environmental Group, Inc. (PEG) is a Western-Washington based company specializing in advanced evaluation and interpretation of natural resources in urban areas, rural communities and natural ecosystems. We provide excellent evidence-based, scientific natural resource consulting and stewardship services. Our analysis, evaluation, interpretation and recommendations are included in this letter.

## 1 Summary:

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A stand of adolescent red alders (*Alnus rubra*) is determined to be affecting a stormwater detention pond by a licensed engineer. The trees growing in the detention pond are all red alder, are adolescent in size, being generally less than 12 inches in diameter. Due to their conflict with stormwater infrastructure, we recommend their removal.

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**Community Specific – Resource Specific Planning**  
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## 2 Introduction

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Bayview Village HOA (the "Client") contracted with the Consultant to manage trees on a Jefferson County mapped geologically hazardous areas. Kyle Craig visited Bayview Village and further John Bornsworth visited the property later. Our assessment, opinions and recommendations are included in this letter. Please contact us with questions you may have regarding this report.

### **Assignment & Purpose:**

1. Evaluate stand of red alder (*Alnus rubra*) trees around community detention pond.
2. Provide management recommendations for the tree.

### **Professional Assumptions & Limitations**

This report summarizes the data collected during our site reconnaissance and assessment, our conversations regarding the project, and our professional opinions and recommendations. The results and recommendations of this report represent our professional opinion compiled from biological forensics, information provided to us, referenced material and our experience. Our recommendations are compiled with industry standards, best-available-science and currently accepted best management practices.

Additional project specific limitations:

- Consultant's employees visited the property on 6/19/19 and 6/28/19. This report summarizes site characteristics as they were observed this day only.
- This report is intended for the exclusive use of the Client and their agents and only for specific application to the referenced property. This report should not be applied to any other tree or other property for any purpose.
- Our evaluation assesses only the trees identified within the scope of this project.
- Fungal isolation, laboratory diagnostics, subsurface explorations, aerial inspections, and other advanced diagnostics were not applied unless specifically identified in this report.
- Base of trees were covered in dirt and groundcover species.

### 3 Project Description/Action Area

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- The storm water detention ponds are located between Windrose Dr. and Ludlow Bay Rd. in the community of Port Ludlow, Washington. They occupy the base of the north-facing hillside slope overlooking Port Ludlow Bay. On the aerial map provided by the HOA, the pods are located on the northeastern edge of area 3.
- The Bayview Village Homeowners Association is seeking the necessary permits to allow the removal of a number of trees (red alders) along the base of the slope which are encroaching upon the southern edge of the storm water detention ponds and potentially jeopardizing their function.

### 4 Observations & Assessment

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- The stand of alder trees is growing along and into the detention ponds along their southern edge. At least one of the alder trees has collapsed into the pond, and there are numerous saplings growing from within the pond.
- The detention ponds are almost entirely filled with detritus and decaying plant matter from the annual leaf-fall of red alder. According to the HOA, the routine dredging of sediment that should occur has not been possible due to the presence of the alders, which block equipment access. Due to this, the detention ponds are filled with sediment.
- According to the HOA, the presence of vegetation in the detention ponds is a significant threat to their proper functioning and they could potentially overflow onto Ludlow Bay Rd. and properties to the north.
- A letter from professional engineers and licensed geologists with Coastal Solutions LLC dated January 5<sup>th</sup>, 2016 indicates the red alders must be removed to retain detention pond function.

### 5 Recommendations

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- We recommend the full removal of red alders, per Coastal Solutions LLC report dated January 5<sup>th</sup>, 2016.
- The cut red alders should be removed in a manner that minimizes disturbance to slope and lower vegetation and debris should be chipped and retained at a depth of no more than 3 inches within the forested area, away from stormwater lagoon.

## 6 Closing

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Work for this project was performed and this report prepared in accordance with generally accepted professional practices for the nature and conditions of work completed in the same or similar localities, at the time the work was performed. No warranty, expressed or implied, is made. Neither myself, nor Peninsula Environmental Group, Inc., has any current or prospective interest in the plants or properties discussed. Acceptance of this report acknowledges receipt and agreement with Peninsula Environmental Groups, Inc. attached Assumptions & Limiting Conditions.

Thank you for the opportunity to evaluate your project. We appreciate your business and look forward to working with you in the future. If you have questions now, or in the future, do not hesitate to contact us.

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1. Any legal description provided to Consultant is assumed to be correct. Any titles and ownerships to any property are assumed to be good and marketable. Consultant assumes no responsibility for verification of ownership or locations of property lines, or for results of any actions or recommendations based on inaccurate information. It is assumed that any property is not in violation of any applicable codes, ordinances, statutes or other governmental regulations, unless explicitly stated otherwise.
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3. Any evaluation or assessment carried out was restricted to the property and the plants or landscapes within the Scope of Assignment. No assessment of any other plants or landscapes has been undertaken by Consultant. The conclusions of this report do not apply to any zones, landscapes, trees, plants, or any other property not explicitly covered in the Scope of Assignment.
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9. This report and any values expressed herein represent the opinion of the Consultant, and the Consultant's fee is in no way contingent upon the reporting of a specific value, a stipulated result, the occurrence of a subsequent event or upon any finding to be reported.
10. All photographs included in this report were taken by Consultant during the documented site visit, unless otherwise noted.
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13. This report is based on the condition of the trees, landscape, or plants at the time of inspection.
14. Loss or alteration of any part of this report invalidates the entire report. This report is only valid if reproduced from a digital file.

## 7 Appendix A: Area Map

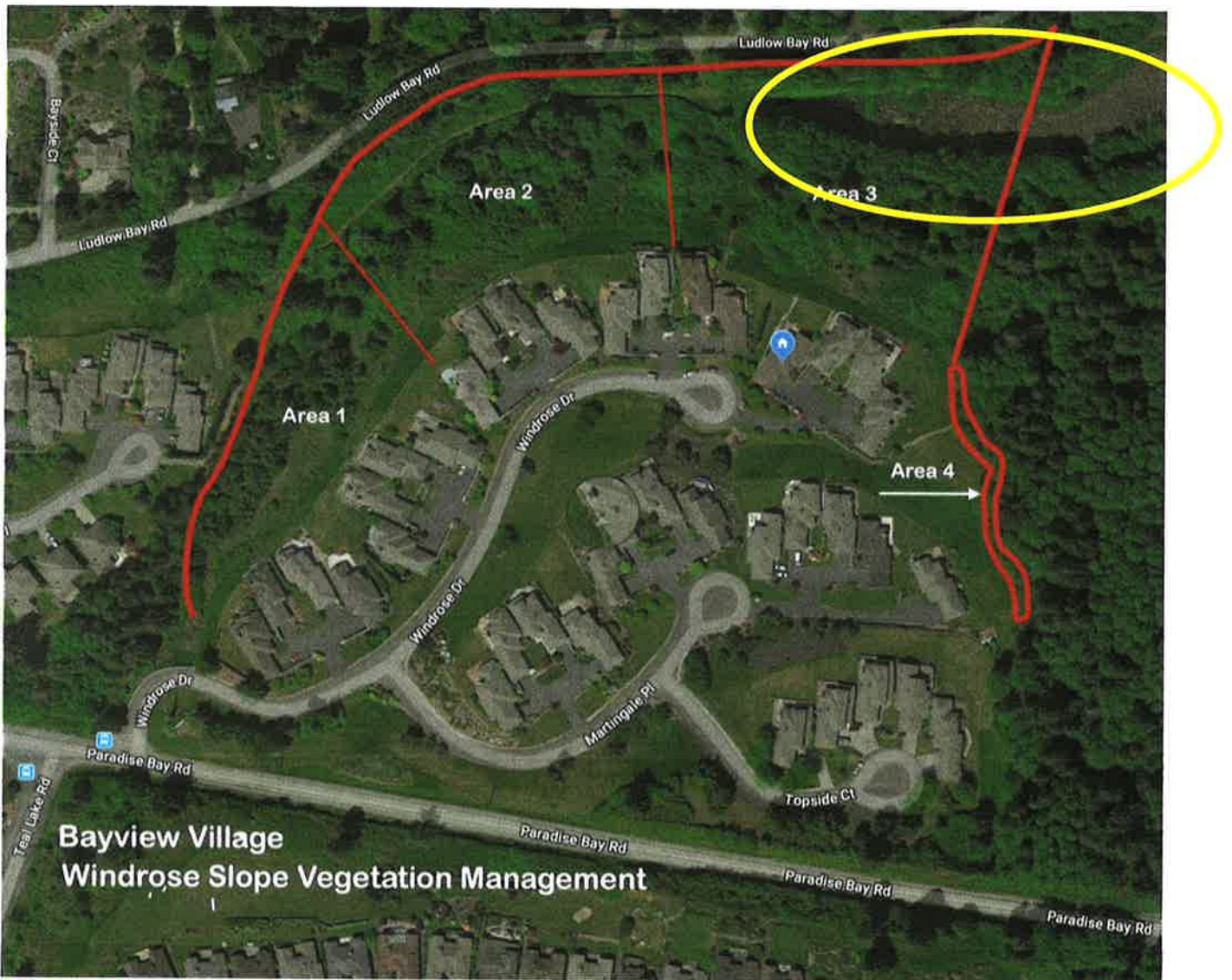


Figure 1: Yellow circle identifies areas of red alder stand growing in stormwater detention pond.

## 8 Appendix B: Photos

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*Photo 1: Alders growing on Southern edge of detention ponds*