



DEVELOPMENT SERVICES DEPARTMENT
ENVIRONMENTAL COORDINATOR
450 110th Ave NE., P.O. BOX 90012
BELLEVUE, WA 98009-9012

OPTIONAL DETERMINATION OF NON-SIGNIFICANCE (DNS) NOTICE MATERIALS

The attached materials are being sent to you pursuant to the requirements for the Optional DNS Process (WAC 197-11-355). A DNS on the attached proposal is likely. This may be the only opportunity to comment on environmental impacts of the proposal. Mitigation measures from standard codes will apply. Project review may require mitigation regardless of whether an EIS is prepared. A copy of the subsequent threshold determination for this proposal may be obtained upon request.

File No. 15-122538-LO

Project Name/Address: Khan Property Restoration

Planner: Reilly Pittman

Phone Number: 425-452-4350

Minimum Comment Period: October 15, 2015

Materials included in this Notice:

- Blue Bulletin
- Checklist
- Vicinity Map
- Plans
- Other:

OTHERS TO RECEIVE THIS DOCUMENT:

- State Department of Fish and Wildlife / Sterwart.Reinbold@dfw.gov; Christa.Heller@dfw.wa.gov;
- State Department of Ecology, Shoreline Planner N.W. Region / Jobu461@ecy.wa.gov; sepaunit@ecy.wa.gov
- Army Corps of Engineers Susan.M.Powell@nws02.usace.army.mil
- Attorney General ecyolyef@atg.wa.gov
- Muckleshoot Indian Tribe Karen.Walter@muckleshoot.nsn.us; Fisheries.fileroom@muckleshoot.nsn.us

City of Bellevue Submittal Rec, nents	27
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ENVIRONMENTAL CHECKLIST

10/9/2009

Thank you in advance for your cooperation and adherence to these procedures. If you need assistance in completing the checklist or have any questions regarding the environmental review process, please visit or call Development Services (425-452-6800) between 8 a.m. and 4 p.m., Monday through Friday (Wednesday, 10 to 4). Assistance for the hearing impaired: Dial 711 (Telecommunications Relay Service).

INTRODUCTION

Purpose of the Checklist:

The State Environmental Policy Act (SEPA), Chapter 43.21c RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the City of Bellevue identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the City decide whether an EIS is required.

Received
 SEP - 4 2009
 Permit Processing

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Answer the questions briefly, with the most precise information known, or give the best description you can. You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer or if a question does not apply to your proposal, write "do not know" or "does not apply." Giving complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the Planner in the Permit Center can assist you.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. Include reference to any reports on studies that you are aware of which are relevant to the answers you provide. The City may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impacts.

Use of a Checklist for Nonproject Proposals: *A nonproject proposal includes plans, policies, and programs where actions are different or broader than a single site-specific proposal.*

For nonproject proposals, complete the Environmental Checklist even though you may answer "does not apply" to most questions. In addition, complete the Supplemental Sheet for Nonproject Actions available from Permit Processing.

For nonproject actions, the references in the checklist to the words *project*, *applicant*, and *property* or *site* should be read as *proposal*, *proposer*, and *affected geographic area*, respectively.

Attach an 8 ½" x 11 vicinity map which accurately locates the proposed site.

BACKGROUND INFORMATION

Property Owner: MALIK KHAN.

Proponent:

Contact Person: MALIK KHAN.

(If different from the owner. All questions and correspondence will be directed to the individual listed.)

Address: 1202 - 132nd Ave. N.E. BELLEVUE, WA 98005

Phone: 425-753-9894

Proposal Title:

Proposal Location: 1202 - 132nd Ave. N.E. BELLEVUE, WA 98005
(Street address and nearest cross street or intersection) Provide a legal description if available.

Please attach an 8 1/2" x 11" vicinity map that accurately locates the proposal site.

Give an accurate, brief description of the proposal's scope and nature:

1. General description: **Restoration of the portion of wetland and buffers that were cleared.**
 2. Acreage of site: 1.75 Acre
 3. Number of dwelling units/buildings to be demolished: N/A
 4. Number of dwelling units/buildings to be constructed: ONE
 5. Square footage of buildings to be demolished: N/A
 6. Square footage of buildings to be constructed: 5100
 7. Quantity of earth movement (in cubic yards): None
 8. Proposed land use:
 9. Design features, including building height, number of stories and proposed exterior materials: BY city
 10. Other
- The required action to address the code violation is restoration only. No plans are submitted proposing house construction. If plans are proposed the application will be re-noticed.**

Estimated date of completion of the proposal or timing of phasing: UNKNOWN.

Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

only need to build my own single family Residence

List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

attached.

Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. List dates applied for and file numbers, if known.

None

List any government approvals or permits that will be needed for your proposal, if known. If permits have been applied for, list application date and file numbers, if known.

N/A

Please provide one or more of the following exhibits, if applicable to your proposal. (Please check appropriate box(es) for exhibits submitted with your proposal):

- Land Use Reclassification (rezone) Map of existing and proposed zoning
- Preliminary Plat or Planned Unit Development
Preliminary plat map
- Clearing & Grading Permit
Plan of existing and proposed grading
Development plans
- Building Permit (or Design Review)
Site plan
Clearing & grading plan
- Shoreline Management Permit
Site plan

A. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site: Flat Rolling Hilly Steep slopes Mountains Other

b. What is the steepest slope on the site (approximate percent slope)? **Slope of 6 percent or less**

c. What general types of soil are found on the site (for example, clay, sand, gravel, peat, and muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

clay.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. *None.*

e. Describe the purpose, and approximate quantities of any filling or grading proposed. Indicate source of fill.

N/A

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

N/A

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

do not know.



No structures or surfaces are proposed.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

N/A

2. AIR

a. What types of emissions to the air would result from the proposal (i.e. dust, automobile odors, and industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

None.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

No.

c. Proposed measures to reduce or control emissions or other impacts to the air, if any:

N/A.

3. WATER

a. Surface

(1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.

Goff Creek.

(2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If Yes, please describe and attach available plans.

Report attached.

Restoration of a portion of the wetland, buffer, and buffer of Goff Creek is required to remove the code enforcement action.



- (3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None.

- (4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

N/A.

- (5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.

Please See Report.

- (6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

N/A.

b. Ground

- (1) Will ground water be withdrawn, or will water be discharged to ground water? Give general description.

N/A.

- (2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals...; agricultural; etc.) Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

N/A.

c. Water Runoff (Including storm water)

- (1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

N/A

- (2) Could waste materials enter ground or surface waters? If so, generally describe.

N/A

d. Proposed measures to reduce or control surface, ground, and runoff water impacts, if any:

4. Plants

a. Check or circle types of vegetation found on the site:

- deciduous tree: alder, maple, aspen, other
- evergreen tree: fir, cedar, pine, other
- shrubs
- grass
- pasture
- crop or grain
- wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

Please See Ecologist report.

b. What kind and amount of vegetation will be removed or altered?

N/A

Vegetation was cleared from the western portion of the property and consisted of a deciduous forest plant community.

c. List threatened or endangered species known to be on or near the site.

N/A

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Proposed plan attached

5. ANIMALS

a. Check or circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

- Birds: hawk, heron, eagle, songbirds, other:
- Mammals: deer, bear, elk, beaver, other:
- Fish: bass, salmon, trout, herring, shellfish, other:

N/A

b. List any threatened or endangered species known to be on or near site. *N/A*

c. Is the site part of a migration route? If so, explain. *N/A* **Cutthroat and Sockeye can be found in Goff Creek. Cutthroat are a species of concern per USFWS.**

d. Proposed measures to preserve or enhance wildlife, if any: *N/A*

6. Energy and Natural Resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy need? Describe whether it will be used for heating, manufacturing, etc. *PSE on St. + attached*

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. *N/A*

c. What kinds of energy conservation features are included in the plans of the proposal? List other proposed measures to reduce or control energy impacts, if any: *N/A*

7. Environmental Health

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. *N/A*

(1) Describe special emergency services that might be required. *N/A*

(2) Proposed measures to reduce or control environmental health hazards, if any. *None*



b. Noise

(1) What types of noise exist in the area which may affect your project (for example, traffic, equipment, operation, other)? *N/A.*

(2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example, traffic, construction, operation, other)? Indicate what hours noise would come from the site. *N/A.*

Noise is regulated per BCC 9.18.

(3) Proposed measures to reduce or control noise impacts, if any: *None.*

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties? *Residential & Business.*
The site is currently vacant. Prior structures were demolished.

b. Has the site been used for agriculture? If so, describe. *NO.*

c. Describe any structures on the site. *None except. Concrete Footing Shown in The Report.*

d. Will any structures be demolished? If so, what? *NO.*

e. What is the current zoning classification of the site? *Single Family Residence.*
R-2.5, Single-Family Residential

f. What is the current comprehensive plan designation of the site? *Restoration of Critical Area & Build Single Family Home.*
Single-Family Medium Density

g. If applicable, what is the current shoreline master program designation of the site? *N/A.*

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify. *NO.*
Yes, Goff Creek and the wetland on the site.

i. Approximately how many people would reside or work in the completed project? *Unknown.*
None

j. Approximately how many people would the completed project displace? *N/A.*

k. Proposed measures to avoid or reduce displacement impacts, if any: None.

i. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

N/A.

9. Housing

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

N/A.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

N/A.

c. Proposed measures to reduce or control housing impacts, if any: N/A.

10. Aesthetics

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? Height BY city Code.

b. What views in the immediate vicinity would be altered or obstructed? N/A.

c. Proposed measures to reduce or control aesthetic impacts, if any: N/A.

11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? *N/A.*
- b. Could light or glare from the finished project be a safety hazard or interfere with views? *N/A.*
- c. What existing off-site sources of light or glare may affect your proposal? *N/A.*
- d. Proposed measures to reduce or control light or glare impacts, if any: *N/A.*

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity? *Unknown.*
- b. Would the proposed project displace any existing recreational uses? If so, describe. *N/A. (None)*
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: *N/A.*

13. Historic and Cultural Preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe. *None.*
- b. Generally describe any landmarks or evidence of historic, archeological, scientific, or cultural importance known to be on or next to the site. *None*
- c. Proposed measures to reduce or control impacts, if any: *None*

14. Transportation

- a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any. *132nd N.E. Shown on Report.*
- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? *YES.*
- c. How many parking spaces would be completed project have? How many would the project eliminate? *Unknown.*

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). *N/A.*
- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. *N/A.*
- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. *do not know.*
- g. Proposed measures to reduce or control transportation impacts, if any: *N/A.*

15. Public Services

- a. Would the project result in an increased need for the public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe. *N/A.*
- b. Proposed measures to reduce or control direct impacts on public services, if any: *N/A.*

16. Utilities

a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

(Water/Power Metered) All utilities are on street other

Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature.....*Mahid S. Khan*.....Date Submitted.....*09/04/15*.....

Altmann Oliver Associates, LLC

PO Box 578

Carnation, WA 98014

Office (425) 333-4535

Fax (425) 333-4509

AOA

Environmental
Planning &
Landscape
Architecture



August 31, 2015

AOA-4962

Malik Khan
seamalik@msn.com

**SUBJECT: Critical Area Restoration for 1202 – 132nd Ave. NE
Bellevue, WA (Parcel 067210-0045)
File #14 147922 EA**

Received
SEP - 4 2015
Permit Processing

Dear Malik:

On August 17, 2015 I conducted a wetland and stream reconnaissance on the subject property utilizing the methodology outlined in the May 2010 *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)*.

One wetland (Wetland A) and one stream (Goff Creek) are located on the site. The wetland and stream boundaries were previously delineated in 2003 by Celeste Botha and were surveyed by Jim Hart and Associates (**Attachment A**). Although the flagging was not persistent, the critical area boundaries as depicted on the survey drawing do not appear to have significantly changed.

1.0 Background

A review of historical aerial photos indicates that a structure was located in the northwest portion of the site since at least 1936 (**Attachment B**). The Celeste Botha wetland report indicates a residence, two dilapidated outbuildings, and associated landscape were present in the northwest portion of the site at the time of the 2003 delineation. The 2007 aerial photo indicates that the structures had been removed and much of the northwest corner of the site had been disturbed.

2.0 Existing Conditions

At the time of the August 2015 site review, the only evidence of historical development was an old foundation immediately adjacent the creek and several piles of trash and inorganic debris. It is my understanding that these debris piles are remnant from dumping associated with several old enforcement actions that had previously occurred on the site (**Attachment C**).

Goff Creek flows from north to south through the central portion of the site. Wetland A is located adjacent the creek and throughout the eastern and southern portions of the property. Wetland A is part of a larger wetland that extends off-site to the south and southeast. The wetland contains Riverine, Slope, and Depressional Hydrogeomorphic (HGM) classes and per WA Department of Ecology guidance was rated as a Depressional wetland.

Wetland A consisted primarily of a deciduous forested plant community that included black cottonwood (*Populus trichocarpa*), willow (*Salix* sp.), red alder (*Alnus rubra*), salmonberry (*Rubus spectabilis*), Himalayan blackberry (*Rubus armeniacus*), red-osier dogwood (*Cornus sericea*), reed canarygrass (*Phalaris arundinacea*), lady fern (*Athyrium filix-femina*), hedge nettle (*Stachys* sp.), and skunk cabbage (*Lysichiton americanum*).

Goff Creek is considered a Type F stream. Type F streams on undeveloped sites require a standard 100-foot buffer plus 20-foot structure setback from the top of bank of the stream (LUC 20.25H.035.A). Wetland A appears to meet the criteria for a Category II wetland with 18 Habitat Points (**Attachment D**). Category II wetlands with 18 Habitat Points in the City of Bellevue require a standard 75-foot buffer plus 20-foot structure setback from the wetland edge.

The entire buffer area in northwest portion of the site currently consists of a mix of grasses, weeds, and small saplings.

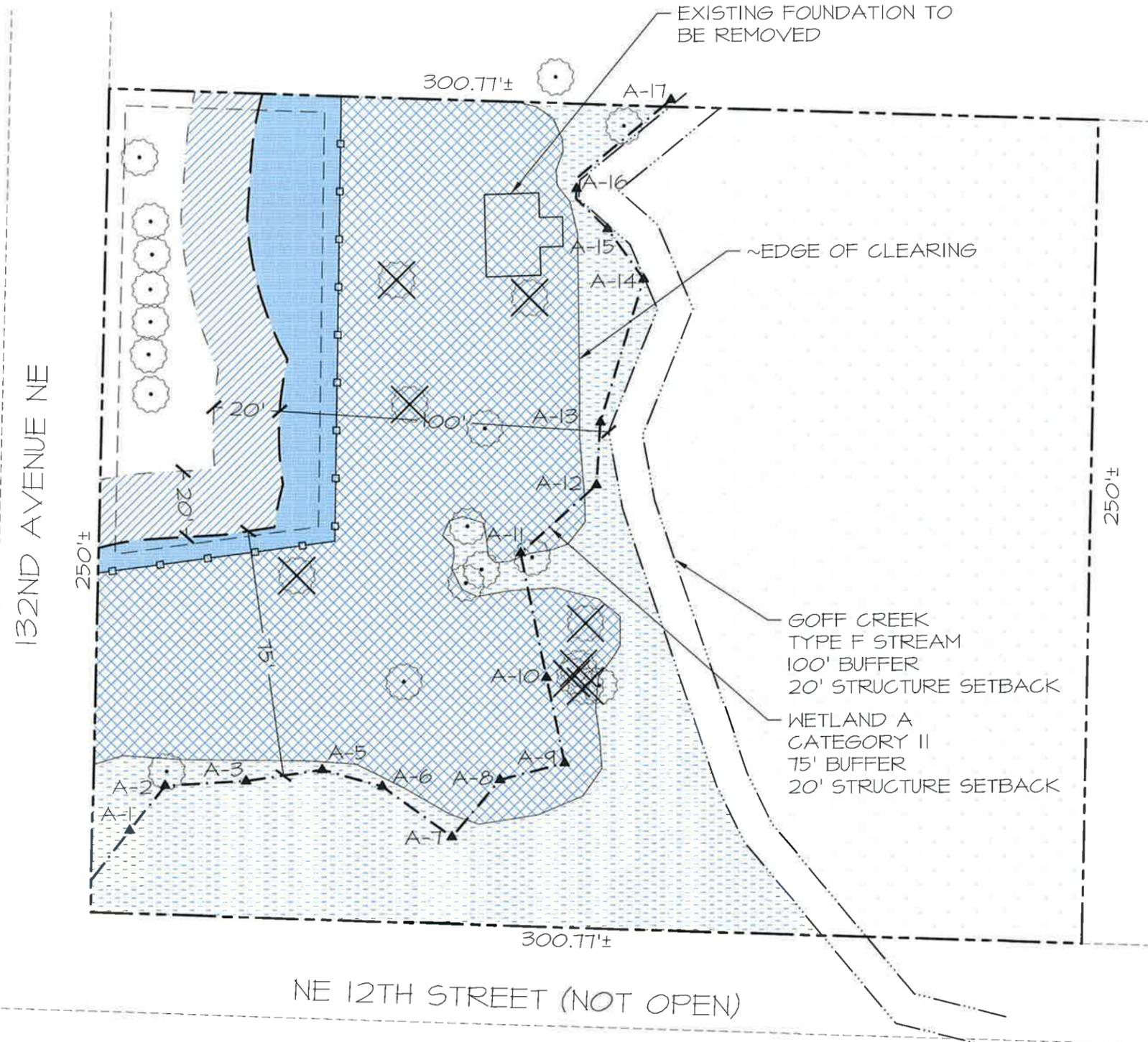
3.0 Proposed Critical Area Restoration

The City of Bellevue has issued an enforcement action on the site for unauthorized clearing within a critical area. It is my understanding based on our conversations that the missing trees depicted on the old tree survey were removed by the previous owner and that it is your contention that your activity was limited to the removal of brush, downed trees, and inorganic debris piles.

We have prepared a conceptual wetland and stream restoration and enhancement plan based on the current disturbed area regardless of the extent and timing of the historical vs. recent clearing activity. The restoration plan includes removing the existing foundation adjacent the creek and all invasive and non-native species from the restoration area. The critical areas would then be planted with a variety of native trees and shrubs to increase the plant species and structural diversity of the buffer. This would increase the wildlife habitat value of the buffer while also providing a physical and visual screen to the wetland and stream that is currently lacking.

4.0 Proposed Future Residence

A building permit for a single-family residence in the northwest portion of the site was issued in 2007. It is my understanding that this permit has expired and was issued using the outdated critical areas ordinance.



PLAN LEGEND

- PROPERTY LINE
- WETLAND BOUNDARY
- OHWL OF TYPE F STREAM
- ▲ A-# WETLAND FLAG LOCATION
- CRITICAL AREA BUFFER
- STRUCTURE SETBACK
- 5' BSBL
- SPLIT-RAIL FENCE ALONG EDGE OF 10,000 SF FOOTPRINT
- EXISTING TREES
- ⊗ REMOVED TREES

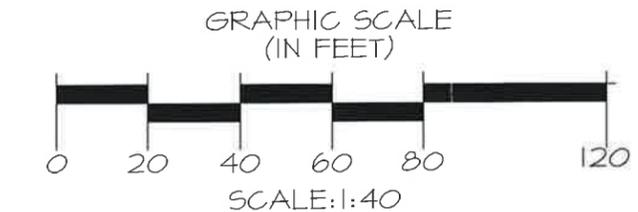
IMPACT LEGEND

- [Blue Hatched] BUFFER IMPACT 3,357 SF
- [Diagonal Hatched] STRUCTURE SETBACK IMPACT 3,401 SF

MITIGATION LEGEND

- [Cross-hatched] WETLAND AND BUFFER RESTORATION FOR CLEARING VIOLATION 19,752 SF
- [Dotted] WETLAND AND BUFFER ENHANCEMENT FOR BUFFER AND FUTURE STRUCTURE SETBACK IMPACTS 13,029 SF

NOTE: 1) ALL EXISTING WOODY PLANT MATERIAL IN THE CLEARED AREA SHALL BE REDISTRIBUTED THROUGHOUT THE RESTORATION AREA PRIOR TO PLANTING. 2) THIS PLAN IS PRELIMINARY AND SHOULD NOT BE USED FOR CONSTRUCTION. 3) PRIOR TO PLANTING, ALL INVASIVE PLANT MATERIAL SHALL BE REMOVED, OLD CONCRETE FOUNDATION SHALL BE REMOVED AND FILLED WITH TOPSOIL, SOILS SHALL BE AMENDED AND TILLED - SEE FINAL MITIGATION PLAN.



NOTES

- I. BASE INFORMATION PROVIDED BY JIM HART AND ASSOCIATES, 220 6TH STREET, KIRKLAND, WA 98033, (425) 822-4171.

PROJECT	4962
DRAWN	SO
SCALE	AS NOTED
DATE	08-31-15
REVISION	1/2

FIGURE 1: SITE PLAN IMPACTS & MITIGATION BUFFER MITIGATION PLAN KHAN PROPERTY 1202 - 132ND AVE. NE, BELLEVUE, WASHINGTON



Altmann Oliver Associates, LLC
 PO Box 576 Camas, WA 98614
 Offices: (253) 835-4333 Fax: (253) 334-1899

CANDIDATE PLANT LIST (FOR RESTORATION)

TREES

SCIENTIFIC NAME	COMMON NAME
ACER CIRCINATUM	VINE MAPLE
ACER MACROPHYLLUM	BIG LEAF MAPLE
CORYLUS CORNUTA	WESTERN HAZELNUT
FRAXINUS LATIFOLIA	OREGON ASH
PICEA SITCHENSIS	SITKA SPRUCE
PSEUDOTSUGA MENZIESII	DOUGLAS FIR
THUJA PLICATA	WESTERN RED CEDAR

SHRUBS

SCIENTIFIC NAME	COMMON NAME
HOLODISCUS DISCOLOR	OCEAN SPRAY
LONICERA INVOLUCRATA	BLACK TWIN-BERRY
MAHONIA AQUIFOLIUM	TALL OREGON GRAPE
OEMLERIA CERASIFORMIS	INDIAN PLUM
PHYSOCARPUS CAPITATUS	PACIFIC NINEBARK
RIBES SANGUINEUM	RED CURRANT
ROSA PISOCARPA	CLUSTERED ROSE
SALIX SCOULERIANA	SCOULER WILLOW
SYMPHORICARPOS ALBUS	SNOWBERRY

GROUND COVER

SCIENTIFIC NAME	COMMON NAME
ARCTOSTAPHYLOS UVA-URSI	KINNIKINNICK
GAULTHERIA SHALLON	SALAL

CANDIDATE PLANT LIST (FOR ENHANCEMENT)

TREES

SCIENTIFIC NAME	COMMON NAME
FRAXINUS LATIFOLIA	OREGON ASH
PICEA SITCHENSIS	SITKA SPRUCE
THUJA PLICATA	WESTERN RED CEDAR

SHRUBS

SCIENTIFIC NAME	COMMON NAME
CORNUS SERICEA	RED-OSIER DOGWOOD
LONICERA INVOLUCRATA	BLACK TWIN-BERRY
PHYSOCARPUS CAPITATUS	PACIFIC NINEBARK
SALIX LASIANDRA	PACIFIC WILLOW
SALIX SCOULERIANA	SCOULER WILLOW

PROJECT	4962
DRAWN	SO
SCALE	AS NOTED
DATE	08-31-15
REVISED	2/2

FIGURE 2: CANDIDATE PLANT LISTS
 BUFFER MITIGATION PLAN
 KHAN PROPERTY
 1202 - 132ND AVE. NE, BELLEVUE, WASHINGTON



Altmann Oliver Associates, LLC
 Environmental Planning & Landscape Architecture
 PO Box 578 Camas, WA 98014 Office (253) 332-4333 Fax (253) 332-4309

2007 Aerial Parcel 067210-0045



King County, Pierce County

The information included on this map has been compiled by King County staff from a variety of sources and is subject to change without notice. King County makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a survey product. King County shall not be liable for any general, special, indirect, incidental, or consequential damages including, but not limited to, lost revenues or lost profits resulting from the use or misuse of the information contained on this map. Any sale of this map or information on this map is prohibited except by written permission of King County.

Date: 8/31/2015

Notes:



King County
GIS CENTER

ATTACHMENT A

Keith's - Copy

I Need This
Back

KB.
5/22/14

WETLAND EVALUATION
FOR THE
SITZMANN PROPERTY
1202 132nd Avenue NE
Bellevue, Washington

Prepared for:
Keith Sitzmann
1407 132nd Avenue NE, #7
Bellevue, WA 98005

(425) 454-4336

Prepared by

Celeste Botha
Wetlands Ecology

2025 S. Norman Street
Seattle, WA 98144
(206) 328-7775

May 13, 2003

WETLAND DELINEATION REPORT

SITE DESCRIPTION

The Sitzmann property (parcel # 0672100045) is located southeast of the intersection of 132nd Avenue NE and Bellevue-Redmond Road, in the City of Bellevue, Washington (Figure 1 – Vicinity Map.) The 1.75 -acre site is nearly square and mostly level. Goff Creek flows south through the center of the site. A single-family residence is situated near the northwest corner of the site and two collapsed structures are present, on either side of the stream. With the exception of the landscaping surrounding the home, the site is comprised of second-growth forest with mixed deciduous and coniferous overstory and contains a Type A Stream and a Type A Wetland. The purpose of this report is to verify that wetlands are present, establish their boundaries, and to support that determination.

METHODS

Wetland Determination

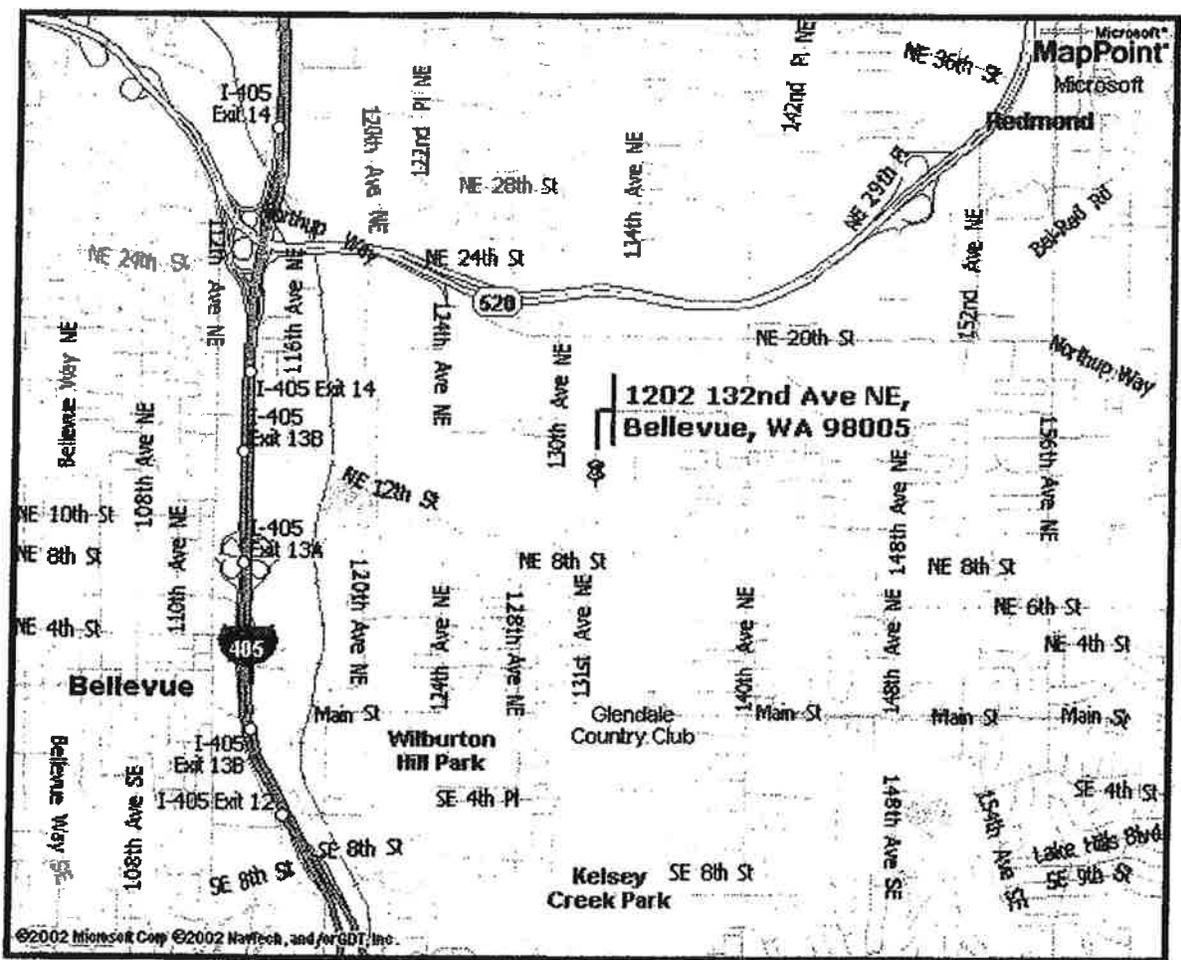
Methods recommended in the Washington Wetland Identification and Delineation Manual (Ecology 1997) (which describes the 1987 Corps of Engineers wetland identification methodology) were used to determine the presence and extent of wetlands on the subject property. The methodology outlined in this manual is based upon three essential characteristics of wetlands: (1) hydrophytic vegetation; (2) hydric soils; and (3) wetland hydrology. These three characteristics must all be present in order to make a positive wetland determination.

Vegetation

Plants must be specially adapted for life under saturated or anaerobic conditions in order to grow in wetlands. The USFWS has determined the estimated probability of each plant species' occurrence in wetlands and has accordingly assigned a "wetland indicator status" to each species (Reed, 1988). The wetland indicator status is a category assigned each plant species based upon the estimated probability (expressed as a frequency of occurrence) of a species' occurring in a wetland or non-wetland. Wetland indicator statuses include the following:

- Obligate (OBL): species that almost always occur in wetlands under natural conditions (estimated probability >99%).
- Facultative wetland (FACW): species that usually occur in wetlands (estimated probability 67 to 99%), but are occasionally found in non-wetlands.
- Facultative (FAC): Species that are equally likely to occur in wetlands or non-wetlands (estimated probability 34 to 66%).
- Facultative upland (FACU): species that usually occur in non-wetlands (estimated probability 67 to 99%), but are occasionally found in wetlands.

1202 132nd Ave NE, Bellevue, WA 98005



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- Upland (UPL): species that almost always occur in non-wetlands under normal conditions (estimated probability >99%).
- Not listed (NL): species that are not listed and are presumed to be upland species.
- No indicator status (NI): species that have not yet been evaluated.

Species with an indicator status of OBL, FACW, or FAC are considered adapted for life in saturated or anaerobic soil conditions. Such species are referred to as "hydrophytic" vegetation, or "hydrophytes."

The indicator status of the dominant species within each vegetative strata is used to determine if the plant community of the area may be characterized as hydrophytic. The dominant species were determined using the 50/20 method. The vegetation of an area of relatively homogeneous community composition is hydrophytic if more than 50% of the dominant plant species have an indicator status of OBL, FACW, or FAC.

The common and taxonomic (scientific) names and wetland indicator status for each plant noted are presented in the text. Scientific nomenclature of all plant species follows that of Hitchcock and Cronquist (1973). Where the taxonomic names of plant species have been changed since 1973, plant names follow the 1988 list of synonymies (Reed, 1988).

Soils

Hydric soils are another indicator of wetlands. The Soil Conservation Service (SCS) (now known as the NRCS--Natural Resource Conservation Service) has defined hydric soils as soils that are saturated, flooded, or ponded long enough during the growing season to develop anaerobic conditions in the upper part of the soil profile (SCS, 1987). The SCS, in cooperation with the National Technical Committee for Hydric Soils, has compiled lists of hydric soils of the United States. These lists identify soil series mapped by the SCS that meet hydric soil criteria. It is common, however, for a map unit of non-wetland (non-hydric) soil to have inclusions of hydric soil, and vice versa; field examination of soil conditions is therefore important to determine if hydric conditions exist. Due to anaerobic conditions, hydric soils exhibit certain characteristics, collectively known as "redoximorphic features," that can be observed in the field. Redoximorphic features include: histic epipedon, an 8 to 16 inch layer of organic material, (e.g. peat or muck) overlying mineral soil; histosol (peat or muck greater than 80 cm deep; an accumulation of sulfidic material (rotten egg odor); greenish- or bluish-gray color (gley formation); spots or blotches of different color interspersed with the dominant, or matrix, color (mottling); and dark soil colors (low soil chroma). Soil colors are described by a number indicating their hue, value, and chroma (for example, 10YR 2/2), as identified on a Munsell soil color chart (Munsell Color, 1992).

Hydrology

Water must be present in order for wetlands to exist; however, it need not be present throughout the entire year. Wetland hydrology is considered to be present when there is permanent or periodic inundation or soil saturation for a significant period (usually a week or more) during the growing season. Indicators of wetland hydrology include visual observation of inundation (ponding or flooding), or of soil saturation to depths within 18-inches of the surface; oxidized

root channels; water marks on woody vegetation; drift lines; water-borne sediment deposits; water-stained leaves; surface scoured areas along flood plains; wetland drainage patterns; morphological plant adaptations, such as perched roots. Where positive indicators of wetland hydrology are observed, it is assumed that wetland hydrology occurs for a significant period of the growing season.

The "routine on-site determination method" was used to make the wetlands determination. The routine method is used for areas equal to or less than five acres in size, or for larger areas with relatively homogeneous vegetative, soil, and hydrologic properties. The current investigation occurred on March 13, 2003. Five formal data plots were established on the site in areas of homogeneous vegetation, where information regarding each of the three wetland parameters was recorded. This information was used to distinguish wetlands from non-wetlands. The data plots were flagged with wire flags labeled with the letters "DP" followed by the data plot number. Data forms, which correspond to formal data plots, are provided in Appendix 2. In addition to formal data plots, several soil pits were evaluated.

FINDINGS

Literature Review Result

The City of Bellevue Sensitive Areas Notebook shows palustrine forested and palustrine scrub-shrub wetland encompassing the entire site except for the northwest corner (Figure 2). The Wilburton Subarea Riparian Corridors map incorrectly locates Goff Creek to the west of 132nd Avenue NE, west of its actual location (Figure 3). Goff Creek is a Type A tributary of Kelsey Creek's West Tributary. The size and association of the wetland with Goff Creek qualify it as a Type A Wetland.

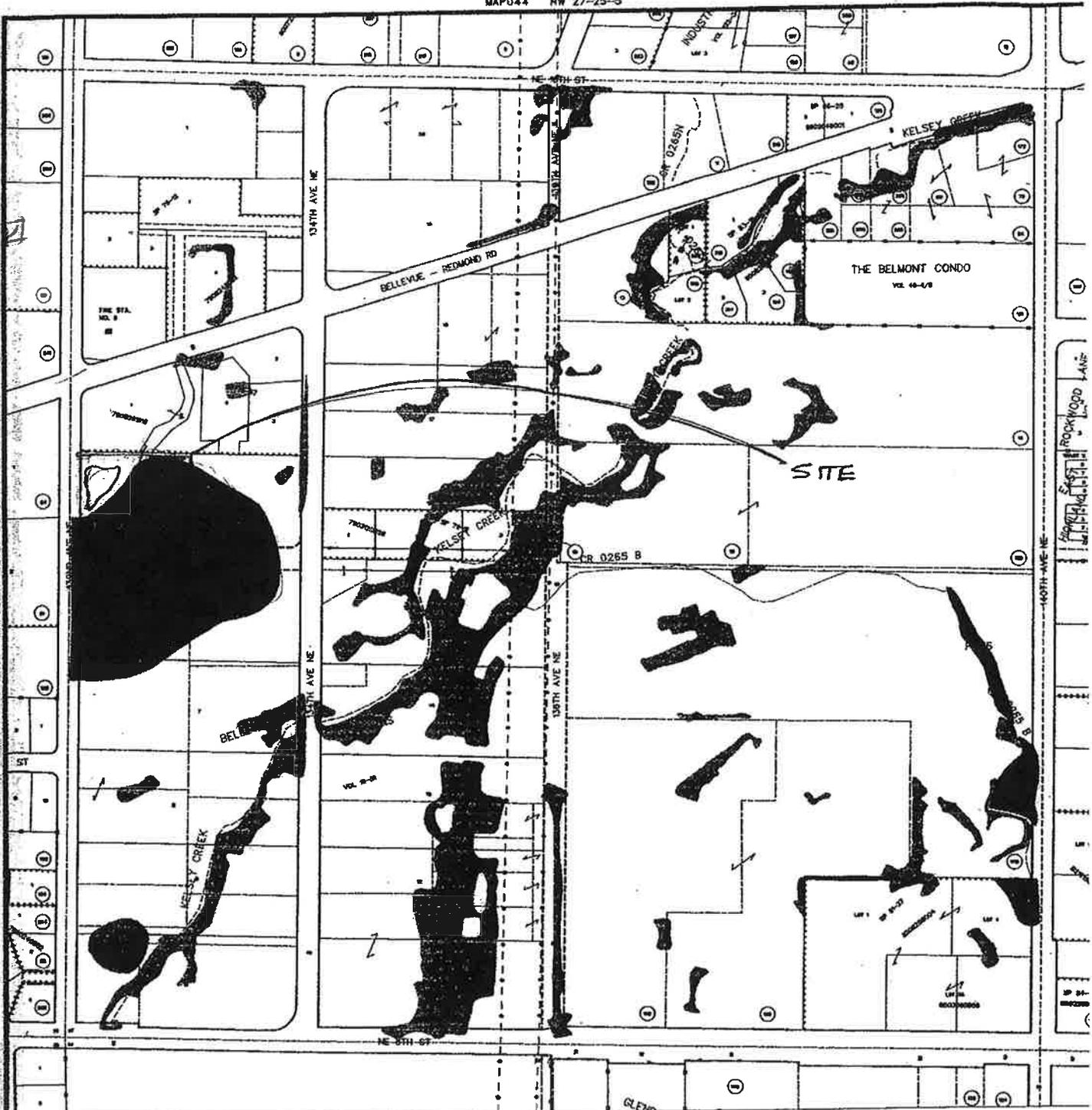
Current Investigation Results

Most of the data points were established around the perimeter of the area of proposed development. Data Point 1 was placed towards the northeast corner of the site, east of the stream. This data point was not surveyed.

Vegetation

The majority of the site is deciduous forest dominated by red alder (*Alnus rubra*), and black cottonwood (*Populus balsamifera*), with Pacific willow (*Salix lasiandra*) also present. The understory is comprised of salmonberry (*Rubus spectabilis*), Himalayan blackberry (*Rubus discolor*) and reed canarygrass (*Phalaris arundinaceae*). This is a hydrophytic plant community represented by Data Point 3. Southeast of the lawn, a patch of creeping buttercup is present. Large cottonwood and red alder trees are located near this area, represented by Data Point 5. This area is also dominated by hydrophytes.

The northeast corner of the site is comprised of a more mesic plant community, represented by Data Point 1 and dominated by red alder, with big-leaf maple (*Acer macrophyllum*) and black cottonwood also present in the overstory, and a combination of salmonberry, vine maple (*Acer circinnatum*) and Indian plum (*Oemleria cerasiformis*) comprising the understory. Bleeding heart (*Dicentra formosa*) is present in the ground layer. This is a small area of the site, however, lying within the buffer of the stream/wetland, so the Data Point was not surveyed.



MAP055 SS 28-25-5

1407TH AVE NE
ROCKWOOD LANE

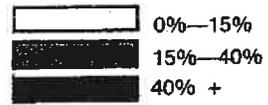
SW 1/4 27-25-5

MAP066 NW 34-25-5

MAP056

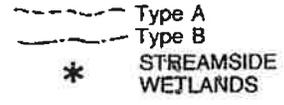


SLOPES



SEE SOILS/GEOLOGY REFERENCES SECTION 6

RIPARIAN CORRIDORS



SEE REACH BOUNDARY DESCRIPTIONS IN SECTION 8A
SEE FEMA MAPS FOR FLOODPLAIN BOUNDARIES, SEC 8C

WETLANDS



WETLAND NUMBER

WETLAND AREA

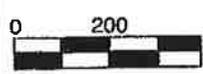


VEGETATION CLASSIFICATION ZONES

SEE WETLAND SUMMARIES SECTION 8B

SENSITIVE AREAS

Information shown on this map is of a generalized nature. In all cases, actual field conditions determine location and extent of sensitive areas



APRIL, 1987



Lawn is present south and east of the home with domestic apple and plum trees to the south, surrounded by Himalayan blackberries. These non-hydrophytic plant communities are represented by Data Points 2 and 4.

Soils

The site is mapped in the Soil Survey of King County Area, Washington as Everett gravelly sandy loam (EvC). The Everett series is a very deep, somewhat excessively drained non-hydric soil on terraces and outwash plains. Typically, the surface layer, where mixed to a depth of about 6 inches, is dark brown (7.5YR 3/4) gravelly sandy loam. The subsoil is dark brown very gravelly sandy loam about 12 inches thick. The upper part of the substratum is brown (10YR 4/3) very gravelly loamy sand about 5 inches thick. Permeability of the Everett soil is rapid; available water capacity is low; and effective rooting depth is 60 inches or more.

Soil at Data Point 1 matched the mapped soil description, as did the soil at data points 2, 4 and 5. Soil at Data Point 3 was 10YR 3/2 sandy loam to 10 inches, with mottled 2.5Y 4/2 sandy loam below to 16 inches.

Hydrology

The investigation took place during the height of the rainy/growing season, so direct observations were taken as reliable indicators for purposes of determining wetland hydrology. Soils were either saturated to the surface or inundated within areas represented by Data Point 3. Elsewhere, soils were not saturated above 12 inches.

WETLAND DETERMINATION

Areas east of Goff Creek, as well as the southern half of the site on both sides of the stream exhibited all three wetland indicators and were thus determined to be wetland (Figure 4 -- Wetland Survey). The northwestern corner of the site did not exhibit all three indicators, though vegetation was hydrophytic within the area represented by Data Point 5, and was thus determined to be upland.

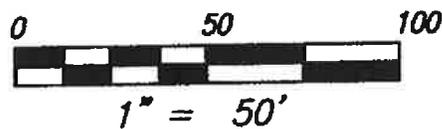
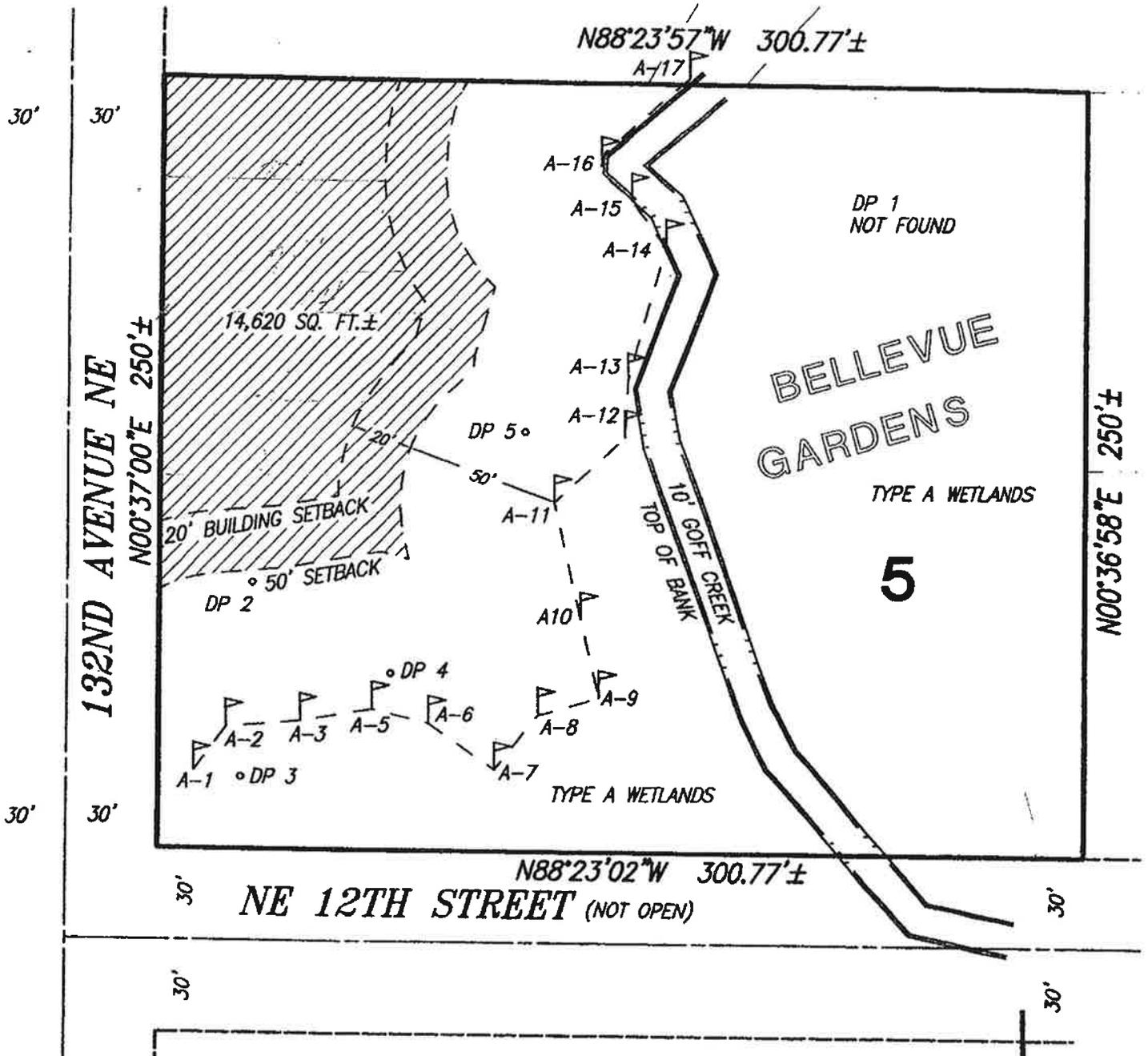
REGULATORY IMPLICATIONS

The City of Bellevue protects Type A streams and wetlands with 50-foot primary setbacks, with an additional 20-foot building setback. No impacts to the wetland, stream or buffer areas are proposed for this project.

LIMITATIONS

It should be recognized that the delineation of wetland boundaries and functional assessments are inexact sciences; individuals will often disagree on the precise location of wetland boundaries or the functions of a wetland. The final determination of wetland boundaries is the responsibility of the resource agencies that regulate activities in and around wetlands. The primary delineator for this project, Celeste Botha, is a Professional Wetland Scientist, certified by the Society of

EXHIBIT



LEGAL DESCRIPTION:

THE WEST HALF OF LOT 5, BELLEVUE GARDENS, AS PER PLAT RECORDED IN VOLUME 19 OF PLATS ON PAGE 51, RECORDS OF KING COUNTY, WASHINGTON.



JIM HART AND ASSOCIATES
PROFESSIONAL LAND SURVEYOR

220 6TH STREET - KIRKLAND, WA 98033
PH (425) 822-4171 / FAX (425) 827-3085

OWNER: KEITH SITZMANN

ADDRESS: 4751 148TH AVE NE #A-107

CITY: BELLEVUE STATE: WA

PHONE: 425-444-2294 ZIP: 98007

SCALE: 1" = 50'

DATE: 5/6/03

JOB NO.: 03-19

DATA FORM I (Revised)
Routine Wetland Determination
 (WA State Wetland Delineation Manual or
 1987 Corps Wetland Delineation Manual)

Project/Site: 1207 132nd Ave NE Date: 3/13/03
 Applicant/owner: Keith Sitzman County: _____
 Investigator(s): CBode State: King
 S/T/R: _____
 Do Normal Circumstances exist on the site? yes no
 Is the site significantly disturbed (atypical situation)? yes no
 Is the area a potential Problem Area? yes no
 Explanation of atypical or problem area: _____
 Community ID: _____
 Transect ID: DP-1
 Plot ID: _____

VEGETATION (For strata, indicate T = tree; S = shrub; H = herb; V = vine)

Dominant Plant Species	Stratum	% cover	Indicator	Dominant Plant Species	Stratum	% cover	Indicator
<u>Acer macr.</u>	<u>T</u>	<u>10</u>	<u>FACU</u>	<u>Hex</u>	<u>S</u>	<u>T</u>	<u>NL</u>
<u>Alnus rubr.</u>	<u>T</u>	<u>75*</u>	<u>FAC</u>	<u>Rubudisc</u>	<u>V</u>	<u>5</u>	<u>FACU</u>
<u>Popu bals</u>	<u>T</u>	<u>T</u>	<u>FAC</u>	<u>Dicen form</u>	<u>H</u>		<u>NL</u>
<u>Rubus spec</u>	<u>S</u>	<u>50*</u>	<u>FACT</u>				
<u>Oeml cera</u>	<u>S</u>	<u>30*</u>	<u>FACU</u>				
<u>Acer circ</u>	<u>S</u>	<u>7</u>	<u>FAC</u>				

HYDROPHYTIC VEGETATION INDICATORS:

% of dominants OBL, FACW, & FAC 66%

Check all indicators that apply & explain below:

Visual observation of plant species growing in areas of prolonged inundation/saturation _____
 Morphological adaptations _____
 Technical Literature _____
 Physiological/reproductive adaptations _____
 Wetland plant database _____
 Personal knowledge of regional plant communities _____
 Other (explain) _____

Hydrophytic vegetation present? yes no
 Rationale for decision/Remarks: _____

HYDROLOGY

Is it the growing season? yes no
 Based on: Oeml. leafing out soil temp (record temp _____)
 other (explain) _____

Dept. of inundation: _____ inches none
 Depth to free water in pit: _____ inches
 Depth to saturated soil: _____ inches

Water Marks: yes <input type="radio"/> no <input checked="" type="radio"/>	Sediment Deposits: yes <input type="radio"/> no <input checked="" type="radio"/>
Drift Lines: yes <input type="radio"/> no <input checked="" type="radio"/>	Drainage Patterns: yes <input type="radio"/> no <input checked="" type="radio"/>
Oxidized Root (live roots) Channels <12 in. yes <input type="radio"/> no <input checked="" type="radio"/>	Local Soil Survey: yes <input type="radio"/> no <input checked="" type="radio"/>
FAC Neutral: yes <input type="radio"/> no <input checked="" type="radio"/>	Water-stained Leaves yes <input type="radio"/> no <input checked="" type="radio"/>

Check all that apply & explain below:

Stream, Lake or gage data: _____
 Aerial photographs: _____ Other: _____
 Wetland hydrology present? yes no

Rationale for decision/Remarks: _____

SOILS

Map Unit Name Everett gsl
(Series & Phase)

Drainage Class _____

Field observations confirm Yes No
mapped type?

Taxonomy (subgroup) _____

Profile Description						Drawing of soil profile (match description)
Depth (inches)	Horizon	Matrix color (Munsell moist)	Mottle colors (Munsell moist)	Mottle abundance size & contrast	Texture, concretions, structure, etc.	
0-8	A	10YR3/2			Sandy loam	
8-16+	B	10YR4/4			S l	

Hydric Soil Indicators: (check all that apply)

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Matrix chroma ≤ 2 with mottles |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Mg or Fe Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soil |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on National/Local Hydric Soils List |
| <input type="checkbox"/> Gleyed or Low-Chroma (=1) matrix | <input type="checkbox"/> Other (explain in remarks) |

Hydric soils present? yes no

Rationale for decision/Remarks:

Wetland Determination (circle)

Hydrophytic vegetation present?	<input checked="" type="radio"/> yes <input type="radio"/> no	Is the sampling point within a wetland?	yes <input checked="" type="radio"/> no
Hydric soils present?	yes <input checked="" type="radio"/> no		
Wetland hydrology present?	yes <input checked="" type="radio"/> no		

Rationale/Remarks:

NOTES:

DATA FORM (REVISED)
 Routine Wetland Determination
 (WA State Wetland Delineation Manual or
 1987 Corps Wetland Delineation Manual)

Project/Site: <u>1202 132nd Ave NE</u>	Date: <u>3/13/03</u>
Applicant/owner: <u>Keith Sizerman</u>	County: _____ State: <u>King</u> S/TR: _____
Investigator(s): <u>C. Boothe</u>	Community ID: _____ Transect ID: _____ Plot ID: <u>DP-2</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> yes <input type="radio"/> no	
Is the site significantly disturbed (atypical situation)? <input type="radio"/> yes <input checked="" type="radio"/> no	
Is the area a potential Problem Area? <input type="radio"/> yes <input checked="" type="radio"/> no	
Explanation of atypical or problem area: _____	

VEGETATION (For strata, indicate T = tree; S = shrub; H = herb; V = vine)

Dominant Plant Species	Stratum	% cover	Indicator	Dominant Plant Species	Stratum	% cover	Indicator
<u>Rubus disc</u>	<u>V</u>	<u>100</u>	<u>FACU</u>				
<u>Malus (domestic)</u>		<u>15</u>	<u>NL</u>				

HYDROPHYTIC VEGETATION INDICATORS:

% of dominants OBL, FACW, & FAC: 0

Check all indicators that apply & explain below:

Visual observation of plant species growing in areas of prolonged inundation/saturation	_____	Physiological/reproductive adaptations	_____
Morphological adaptations	_____	Wetland plant database	_____
Technical Literature	_____	Personal knowledge of regional plant communities	_____
	_____	Other (explain)	_____

Hydrophytic vegetation present? yes no

Rationale for decision/Remarks: _____

HYDROLOGY

Is it the growing season? yes no

Based on: date soil temp (record temp _____) other (explain) _____

Dept. of inundation: _____ inches

Depth to free water in pit: 14 inches

Depth to saturated soil: _____ inches

Water Marks: yes <input checked="" type="radio"/> no <input type="radio"/>	Sediment Deposits: yes <input type="radio"/> no <input checked="" type="radio"/>
Drift Lines: yes <input checked="" type="radio"/> no <input type="radio"/>	Drainage Patterns: yes <input type="radio"/> no <input checked="" type="radio"/>
Oxidized Root (live roots): _____	Local Soil Survey: yes <input type="radio"/> no <input checked="" type="radio"/>
Channels <12 in. yes <input checked="" type="radio"/> no <input type="radio"/>	Water-stained Leaves: yes <input type="radio"/> no <input checked="" type="radio"/>
FAC Neutral: yes <input checked="" type="radio"/> no <input type="radio"/>	

Check all that apply & explain below:

Stream, Lake or gage data: _____

Aerial photographs: _____ Other: _____

Other (explain): _____

Wetland hydrology present? yes no

Rationale for decision/Remarks: _____

SOILS

Map Unit Name Everett gsl
(Series & Phase)

Drainage Class _____

Field observations confirm Yes No
mapped type?

Taxonomy (subgroup) _____

Profile Description						Drawing of soil profile (match description)
Depth (inches)	Horizon	Matrix color (Munsell moist)	Mottle colors (Munsell moist)	Mottle abundance size & contrast	Texture, concretions, structure, etc.	
0-11	A	10YR 2/2			sl	
11-16+	B	10YR 4/4			sl	

Hydric Soil Indicators: (check all that apply)

- | | |
|---|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Matrix chroma ≤ 2 with mottles |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Mg or Fe Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on National/Local Hydric Soils List |
| <input type="checkbox"/> Gleyed or Low-Chroma (=1) matrix | <input type="checkbox"/> Other (explain in remarks) |

Hydric soils present? yes no

Rationale for decision/Remarks:

Wetland Determination (circle)

Hydrophytic vegetation present?	yes <input checked="" type="radio"/> no	Is the sampling point within a wetland?	yes <input checked="" type="radio"/> no
Hydric soils present?	yes <input checked="" type="radio"/> no		
Wetland hydrology present?	yes <input checked="" type="radio"/> no		

Rationale/Remarks:

NOTES:

DATA FORM 1 (REVISED)
 Routine Wetland Determination
 (WA State Wetland Delineation Manual or
 1987 Corps Wetland Delineation Manual)

Project/Site: <u>1202 132nd Ave NE</u>	Date: <u>3/13/03</u>
Applicant/owner: <u>Sitzmann</u>	County: <u>Belleme</u>
Investigator(s): <u>C. Booth</u>	State: <u>King</u>
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> yes <input type="radio"/> no	Community ID:
Is the site significantly disturbed (atypical situation)? <input type="radio"/> yes <input checked="" type="radio"/> no	Transect ID: <u>DP-3</u>
Is the area a potential Problem Area? <input type="radio"/> yes <input checked="" type="radio"/> no	Plot ID:
Explanation of atypical or problem area:	

VEGETATION (For strata, indicate T = tree; S = shrub; H = herb; V = vine)

Dominant Plant Species	Stratum	% cover	Indicator	Dominant Plant Species	Stratum	% cover	Indicator
<u>Alnu rubr</u>	<u>T</u>	<u>40*</u>	<u>FAC</u>				
<u>Cory corn</u>	<u>S</u>	<u>T</u>	<u>FACU</u>				
<u>Sali (inside edge)</u>	<u>T</u>	<u>T</u>	<u>FACW</u>				
<u>Rubus spec</u>	<u>S</u>	<u>30*</u>	<u>FAC</u>				
<u>Rubus disc</u>	<u>V</u>	<u>25*</u>	<u>FACU</u>				
<u>Phal arum</u>	<u>H</u>	<u>25*</u>	<u>FACW</u>				

HYDROPHYTIC VEGETATION INDICATORS:

% of dominants OBL, FACW, & FAC 75

Check all indicators that apply & explain below:

Visual observation of plant species growing in areas of prolonged inundation/saturation	_____	Physiological/reproductive adaptations	_____
Morphological adaptations	_____	Wetland plant database	_____
Technical Literature	_____	Personal knowledge of regional plant communities	_____
		Other (explain)	_____

Hydrophytic vegetation present? yes no

Rationale for decision/Remarks:

HYDROLOGY

Is it the growing season? yes no

Based on: date soil temp (record temp _____) other (explain)

Dept. of inundation: _____ inches	Water Marks: yes <input checked="" type="radio"/> no	Sediment Deposits: yes <input checked="" type="radio"/> no
Depth to free water in pit: <u>0</u> inches (<u>surf</u>)	Drift Lines: yes <input checked="" type="radio"/> no	Drainage Patterns: yes <input checked="" type="radio"/> no
Depth to saturated soil: _____ inches	Oxidized Root (live roots) Channels <12 in. yes <input type="radio"/> no	Local Soil Survey: yes <input checked="" type="radio"/> no
Check all that apply & explain below:	FAC Neutral: yes <input checked="" type="radio"/> no	Water-stained Leaves: yes <input checked="" type="radio"/> no
Stream, Lake or gage data: _____	Other (explain):	
Aerial photographs: _____ Other: _____		

Wetland hydrology present? yes no

Rationale for decision/Remarks:

Map Unit Name Everett gsl
 (Series & Phase)

Drainage Class _____

Field observations confirm Yes No
 mapped type?

Taxonomy (subgroup) _____

Profile Description						Drawing of soil profile (match description)
Depth (inches)	Horizon	Matrix color (Munsell moist)	Mottle colors (Munsell moist)	Mottle abundance size & contrast	Texture, concretions, structure, etc.	
0-10	A	10YR 3/2			SL	
10-16+	B	2.5Y 4/2		some	SL	

Hydric Soil Indicators: (check all that apply)

- Histosol
- Histic Epipedon
- Sulfidic Odor
- Aquic Moisture Regime
- Reducing Conditions
- Gleyed or Low-Chroma (=1) matrix

- Matrix chroma ≤ 2 with mottles
- Mg or Fe Concretions
- High Organic Content in Surface Layer of Sandy Soils
- Organic Streaking in Sandy Soils
- Listed on National/Local Hydric Soils List
- Other (explain in remarks)

Hydric soils present? yes no

Rationale for decision/Remarks:

Wetland Determination (circle)

Hydrophytic vegetation present? yes no

Hydric soils present? yes no

Wetland hydrology present? yes no

Is the sampling point within a wetland? yes no

Rationale/Remarks:

NOTES:

DATA FORM 1 (Revised)
 Routine Wetland Determination
 (WA State Wetland Delineation Manual or
 1987 Corps Wetland Delineation Manual)

Project/Site: <u>1202 132nd Ave NE</u>	Date: <u>3/13/03</u>
Applicant/owner: <u>Sitzmann</u>	County: <u>Bellevue</u>
Investigator(s): <u>C. Botha</u>	State: <u>Bellevue</u>
	S/T/R:
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> yes <input type="radio"/> no	Community ID:
Is the site significantly disturbed (atypical situation)? <input type="radio"/> yes <input checked="" type="radio"/> no	Transect ID:
Is the area a potential Problem Area? <input type="radio"/> yes <input checked="" type="radio"/> no	Plot ID: <u>DP-4</u>
Explanation of atypical or problem area:	

VEGETATION (For strata, indicate T = tree; S = shrub; H = herb; V = vine)

Dominant Plant Species	Stratum	% cover	Indicator	Dominant Plant Species	Stratum	% cover	Indicator
<u>Alnu rubr</u>	<u>T</u>	<u>75</u>	<u>FAC</u>				
<u>Rubus disc</u>	<u>V</u>	<u>85</u>	<u>FACU</u>				
<u>Ilex</u>	<u>S</u>	<u>T</u>	<u>NL</u>				
<u>Poly muni</u>	<u>H</u>	<u>T</u>	<u>FACU</u>				
<u>Phal arum</u>	<u>H</u>	<u>T</u>	<u>FACW</u>				

HYDROPHYTIC VEGETATION INDICATORS:

% of dominants OBL, FACW, & FAC 50

Check all indicators that apply & explain below:

Visual observation of plant species growing in areas of prolonged inundation/saturation	_____	Physiological/reproductive adaptations	_____
Morphological adaptations	_____	Wetland plant database	_____
Technical Literature	_____	Personal knowledge of regional plant communities	_____
		Other (explain)	_____

Hydrophytic vegetation present? yes no

Rationale for decision/Remarks:

HYDROLOGY

Is it the growing season? <input checked="" type="radio"/> yes <input type="radio"/> no	Water Marks: yes <input type="radio"/> <input checked="" type="radio"/> no	Sediment Deposits: yes <input type="radio"/> <input checked="" type="radio"/> no
Based on: <u>date</u> soil temp (record temp _____) other (explain)	Drift Lines: yes <input type="radio"/> <input checked="" type="radio"/> no	Drainage Patterns: yes <input type="radio"/> <input checked="" type="radio"/> no
Dept. of inundation: _____ inches	Oxidized Root (live roots) Channels <12 in. yes <input type="radio"/> <input checked="" type="radio"/> no	Local Soil Survey: yes <input type="radio"/> <input checked="" type="radio"/> no
Depth to free water in pit: <u>12</u> inches	FAC Neutral: yes <input type="radio"/> <input checked="" type="radio"/> no	Water-stained Leaves yes <input type="radio"/> <input checked="" type="radio"/> no
Depth to saturated soil: _____ inches	Other (explain):	

Check all that apply & explain below:

Stream, Lake or gage data: _____

Aerial photographs: _____ Other: _____

Wetland hydrology present? yes no

Rationale for decision/Remarks:

SOILS

Map Unit Name Everett gsl
(Series & Phase)

Drainage Class SW excessive

Field observations confirm Yes No
mapped type?

Taxonomy (subgroup) _____

Profile Description						
Depth (inches)	Horizon	Matrix color (Munsell moist)	Mottle colors (Munsell moist)	Mottle abundance size & contrast	Texture, concretions, structure, etc.	Drawing of soil profile (match description)
0-12	A	10YR 3/2			sl	
12-16+	B	10YR 4/4			sl	

Hydric Soil Indicators: (check all that apply)

- | | |
|---|--|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Matrix chroma ≤ 2 with mottles |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Mg or Fe Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soil |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on National/Local Hydric Soils List |
| <input type="checkbox"/> Gleyed or Low-Chroma (=1) matrix | <input type="checkbox"/> Other (explain in remarks) |

Hydric soils present? yes no

Rationale for decision/Remarks:

Wetland Determination (circle)

Hydrophytic vegetation present?	yes	<input checked="" type="radio"/> no	
Hydric soils present?	yes	<input checked="" type="radio"/> no	Is the sampling point within a wetland?
Wetland hydrology present?	yes	<input checked="" type="radio"/> no	yes <input checked="" type="radio"/> no

Rationale/Remarks:

NOTES:

DATA FORM 1 (Revised)
Routine Wetland Determination
 (WA State Wetland Delineation Manual or
 1987 Corps Wetland Delineation Manual)

Project/Site: <u>1202 132nd Ave NE</u>	Date: <u>3/13/03</u>
Applicant/owner: <u>Sitzmann</u>	County: <u>Bellevue</u>
Investigator(s): <u>C. Botha</u>	State: <u>Bellevue</u>
	S/T/R:
Do Normal Circumstances exist on the site? <input checked="" type="radio"/> yes <input type="radio"/> no	Community ID:
Is the site significantly disturbed (atypical situation)? <input type="radio"/> yes <input checked="" type="radio"/> no	Transect ID:
Is the area a potential Problem Area? <input type="radio"/> yes <input checked="" type="radio"/> no	Plot ID: <u>DP-5</u>
Explanation of atypical or problem area:	

VEGETATION (For strata, indicate T = tree; S = shrub; H = herb; V = vine)

Dominant Plant Species	Stratum	% cover	Indicator	Dominant Plant Species	Stratum	% cover	Indicator
<u>Populus bals</u>	<u>T</u>	<u>30*</u>	<u>FAC</u>				
<u>Alnus rubr</u>	<u>T</u>	<u>10</u>	<u>FAC</u>				
<u>Rubus disc</u>	<u>V</u>	<u>15</u>	<u>FACV</u>				
<u>Phal arum</u>	<u>H</u>	<u>5</u>	<u>FACW</u>				
<u>Dact glom</u>	<u>H</u>	<u>T</u>	<u>FACV</u>				
<u>Ranunc</u>	<u>H</u>	<u>90*</u>	<u>FACW</u>				

HYDROPHYTIC VEGETATION INDICATORS:

% of dominants OBL, FACW, & FAC 50

Check all indicators that apply & explain below:

Visual observation of plant species growing in areas of prolonged inundation/saturation	___	Physiological/reproductive adaptations	___
Morphological adaptations	___	Wetland plant database	___
Technical Literature	___	Personal knowledge of regional plant communities	___
	___	Other (explain)	___

Hydrophytic vegetation present? yes no

Rationale for decision/Remarks: not technically...

HYDROLOGY

Is it the growing season? <input checked="" type="radio"/> yes <input type="radio"/> no	Water Marks: yes <input type="radio"/> no <input checked="" type="radio"/>	Sediment Deposits: yes <input type="radio"/> no <input checked="" type="radio"/>
Based on: <u>date</u> soil temp (record temp _____) other (explain)	Drift Lines: yes <input type="radio"/> no <input checked="" type="radio"/>	Drainage Patterns: yes <input type="radio"/> no <input checked="" type="radio"/>
Depth of inundation: _____ inches	Oxidized Root (live roots) Channels <12 in. yes <input type="radio"/> no <input checked="" type="radio"/>	Local Soil Survey: yes <input type="radio"/> no <input checked="" type="radio"/>
Depth to free water in pit: <u>13</u> inches	FAC Neutral: yes <input type="radio"/> no <input checked="" type="radio"/>	Water-stained Leaves yes <input type="radio"/> no <input checked="" type="radio"/>
Depth to saturated soil: _____ inches	Other (explain):	
Check all that apply & explain below:		
Stream, Lake or gage data: _____		
Aerial photographs: _____	Other: _____	

Wetland hydrology present? yes no

Rationale for decision/Remarks:

SOILS

Map Unit Name Everett gsl
(Series & Phase)

Drainage Class _____

Field observations confirm Yes No
mapped type?

Taxonomy (subgroup) _____

Profile Description

Depth (inches)	Horizon	Matrix color (Munsell moist)	Mottle colors (Munsell moist)	Mottle abundance size & contrast	Texture, concretions, structure, etc.	Drawing of soil profile (match description)
0-13	A	10YR 3/2			gsl	
13-16	B	10YR 4/4			gsl	

Hydric Soil Indicators: (check all that apply)

- | | |
|---|---|
| <input type="checkbox"/> Histosol | <input type="checkbox"/> Matrix chroma ≤ 2 with mottles |
| <input type="checkbox"/> Histic Epipedon | <input type="checkbox"/> Mg or Fe Concretions |
| <input type="checkbox"/> Sulfidic Odor | <input type="checkbox"/> High Organic Content in Surface Layer of Sandy Soils |
| <input type="checkbox"/> Aquic Moisture Regime | <input type="checkbox"/> Organic Streaking in Sandy Soils |
| <input type="checkbox"/> Reducing Conditions | <input type="checkbox"/> Listed on National/Local Hydric Soils List |
| <input type="checkbox"/> Gleyed or Low-Chroma (=1) matrix | <input type="checkbox"/> Other (explain in remarks) |

Hydric soils present? yes no
Rationale for decision/Remarks:

Wetland Determination (circle)

Hydrophytic vegetation present? yes no
Hydric soils present? yes no
Wetland hydrology present? yes no
Is the sampling point within a wetland? yes no

Rationale/Remarks:

NOTES:

ATTACHMENT B

1936 Aerial Parcel 067210-0045



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Date: 8/31/2015

Notes:

ATTACHMENT C

Permit Report

Parcel # 15938

AFN # 0672100045

Address: 1202 132ND AVE NE

Permit Number	Permit Type	Name	Description	Status	Issue Date	Expiration Date
15 104333	DC Predevelopment Services	Khan Debris Removal	Questions for Clearing & Grading and Land Use	Closed	04/09/2015	
14 147922	EA Enforcement Action	Clearing Over 1000sq ft within Critical Area		Open		
11 125461	DD Reasonable Accommodation	Sitzmann Home	Request for reasonable accomodation: locate a new home footprint onto property with 100' new setback and encroach into front setback as allowed with maximum coverage of 3,000 sf - total as submitted = 2,953 sf	Canceled		
11 102785	EA Enforcement Action	Construction Storage	Vacant lot being used to store construction material and garbage.* SEE CODE COMP CHECKLIST FOR NOTES	Closed	04/15/2011	
10 120035	EA Enforcement Action	Large Trailer on Vacant Lot	Trailer has no wheels and also a large amount of bldg materials are piling up.	Closed	10/15/2010	
06 102812	TC ROW Disturbance Of Surface	Keith Sitzmann 1202 132nd Av NE (Lot 5 Bellevue Gardens)	Haul route for DEMO for clear & grade, construction of SFR and driveway installation. With future revisions to the Right of Way Use Permit, additional activities in the public right of way will be permitted. ROW Fees = \$179.00. See Special Conditions & Attachments.	Expired	05/16/2007	05/15/2010
06 102811	BS Single Family New	Lot 5 Bellevue Gardens	Demo and construct single family residence. Includes cleaning and grading, Includes plumbing, mechanical or electrical.	Expired	05/16/2007	05/15/2010
05 102945	EA Enforcement Action	Construction material in yard	Mounds of dirt and storage of construction material in residential neighborhood.	Closed	02/11/2005	
04 124812	BE Demolition	House Demo	Demo entire house. Includes clear & grade for foundation removal only.	Expired	10/05/2004	10/05/2007
04 104399	DC Predevelopment Services	Sitzman SFR	Build new SFR with garage, add sewer and water.	Closed	09/28/2004	
04 104348	EA Enforcement Action	C&G w/o permits	Stop work issued by Jim Gough. 100 plus yard of imported material, at least 10 yards in the required 25' setback riparian corridor. 2-11-04 applied for permit	Closed	02/11/2004	
02 130477	TB ROW Short-term Commercial	CTB ATT (BV31) 132nd Ave NE & Bel Red Rd	BV31 (SEE Properties) Previously permitted under 00 243506 TB. COAX. Overtash to existing strands 2,416' finalize splicing & sweeping to activate upgrade system. Tree trimming may be required. ROW Fees = \$144.00. See Conditions & Attachments. THIS PERMIT IS SUBJECT TO EXCESS INSPECTION FEES.	Closed	05/09/2002	12/31/2002

ATTACHMENT D

Wetland name or number A

WETLAND RATING FORM – WESTERN WASHINGTON
Version 2 - Updated July 2006 to increase accuracy and reproducibility among users
Updated Oct 2008 with the new WDFW definitions for priority habitats

Name of wetland (if known): PARCEL 067210-0045 Date of site visit: 08/17/15

Rated by ALTMANN Trained by Ecology? Yes No Date of training 03/08
03/15

SEC: 27 TOWNSHIP: TLSN RANGE: 5E Is S/T/R in Appendix D? Yes No

Map of wetland unit: Figure Estimated size

SUMMARY OF RATING

Category based on FUNCTIONS provided by wetland

I II III IV

Category I = Score >=70
Category II = Score 51-69
Category III = Score 30-50
Category IV = Score < 30

Score for Water Quality Functions	<u>26</u>
Score for Hydrologic Functions	<u>10</u>
Score for Habitat Functions	<u>18</u>
TOTAL score for Functions	<u>54</u>

Category based on SPECIAL CHARACTERISTICS of wetland

I II Does not Apply

Final Category (choose the "highest" category from above)

II

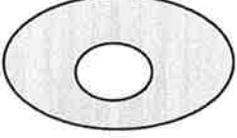
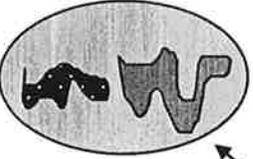
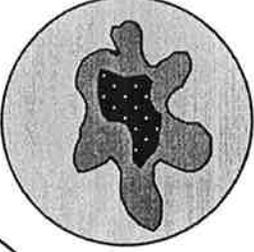
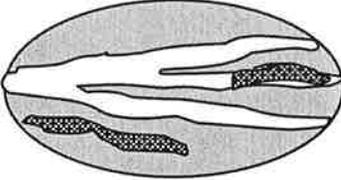
Summary of basic information about the wetland unit

Wetland Unit has Special Characteristics		Wetland HGM Class used for Rating	
Estuarine		Depressional	<input checked="" type="checkbox"/>
Natural Heritage Wetland		Riverine	<input checked="" type="checkbox"/>
Bog		Lake-fringe	
Mature Forest		Slope	<input checked="" type="checkbox"/>
Old Growth Forest		Flats	
Coastal Lagoon		Freshwater Tidal	
Interdunal			
None of the above	<input checked="" type="checkbox"/>	Check if unit has multiple HGM classes present	<input checked="" type="checkbox"/>

Wetland name or number A

D Depressional and Flats Wetlands		Points (only 1 score per box)
WATER QUALITY FUNCTIONS - Indicators that the wetland unit functions to improve water quality		
D	D 1. Does the wetland unit have the <u>potential</u> to improve water quality?	(see p. 38)
D	<p>D 1.1 Characteristics of surface water flows out of the wetland:</p> <p>Unit is a depression with no surface water leaving it (no outlet) points = 3</p> <p>Unit has an intermittently flowing, OR highly constricted permanently flowing outlet points = <u>2</u></p> <p>Unit has an unconstricted, or slightly constricted, surface outlet (<i>permanently flowing</i>) points = 1</p> <p>Unit is a "flat" depression (Q. 7 on key), or in the Flats class, with permanent surface outflow and no obvious natural outlet and/or outlet is a man-made ditch points = 1</p> <p>(If ditch is not permanently flowing treat unit as "intermittently flowing")</p> <p>Provide photo or drawing</p>	Figure <u>2</u>
D	<p>S 1.2 The soil 2 inches below the surface (or duff layer) is clay or organic (<i>use NRCS definitions</i>)</p> <p>YES points = <u>4</u></p> <p>NO points = 0</p>	4
D	<p>D 1.3 Characteristics of persistent vegetation (emergent, shrub, and/or forest Cowardin class)</p> <p>Wetland has persistent, ungrazed, vegetation > = 95% of area points = <u>5</u></p> <p>Wetland has persistent, ungrazed, vegetation > = 1/2 of area points = 3</p> <p>Wetland has persistent, ungrazed vegetation > = 1/10 of area points = 1</p> <p>Wetland has persistent, ungrazed vegetation < 1/10 of area points = 0</p> <p>Map of Cowardin vegetation classes</p>	Figure <u>5</u>
D	<p>D1.4 Characteristics of seasonal ponding or inundation.</p> <p><i>This is the area of the wetland unit that is ponded for at least 2 months, but dries out sometime during the year. Do not count the area that is permanently ponded. Estimate area as the average condition 5 out of 10 yrs.</i></p> <p>Area seasonally ponded is > 1/2 total area of wetland ASSUME - MOST GENTLE SLOPE WITH LITTLE PONDING points = 4</p> <p>Area seasonally ponded is > 1/4 total area of wetland points = <u>2</u></p> <p>Area seasonally ponded is < 1/4 total area of wetland points = 0</p> <p>Map of Hydroperiods</p>	Figure <u>2</u>
D	Total for D 1	13
D	<p>D 2. Does the wetland unit have the <u>opportunity</u> to improve water quality?</p> <p>Answer YES if you know or believe there are pollutants in groundwater or surface water coming into the wetland that would otherwise reduce water quality in streams, lakes or groundwater downgradient from the wetland. <i>Note which of the following conditions provide the sources of pollutants. A unit may have pollutants coming from several sources, but any single source would qualify as opportunity.</i></p> <ul style="list-style-type: none"> — Grazing in the wetland or within 150 ft — Untreated stormwater discharges to wetland — Tilled fields or orchards within 150 ft of wetland — A stream or culvert discharges into wetland that drains developed areas, residential areas, farmed fields, roads, or clear-cut logging <input checked="" type="checkbox"/> Residential, urban areas, golf courses are within 150 ft of wetland — Wetland is fed by groundwater high in phosphorus or nitrogen — Other _____ <p>YES multiplier is <u>2</u> NO multiplier is 1</p>	(see p. 44) multiplier <u>2</u>
D	TOTAL - Water Quality Functions Multiply the score from D1 by D2	26
		<i>Add score to table on p. 1</i>

D Depressional and Flats Wetlands		Points (only 1 score per box)
HYDROLOGIC FUNCTIONS - Indicators that the wetland unit functions to reduce flooding and stream degradation		
	D 3. Does the wetland unit have the <u>potential</u> to reduce flooding and erosion?	<i>(see p. 46)</i>
D	<p>D 3.1 Characteristics of surface water flows out of the wetland unit</p> <p>Unit is a depression with no surface water leaving it (no outlet) points = 4</p> <p>Unit has an intermittently flowing, OR highly constricted permanently flowing outlet points = 2</p> <p>Unit is a "flat" depression (Q. 7 on key), or in the Flats class, with permanent surface outflow and no obvious natural outlet and/or outlet is a man-made ditch points = 1</p> <p><i>(If ditch is not permanently flowing treat unit as "intermittently flowing")</i></p> <p>Unit has an unconstricted, or slightly constricted, surface outlet (<i>permanently flowing</i>) points = 0</p>	2
D	<p>D 3.2 Depth of storage during wet periods</p> <p><i>Estimate the height of ponding above the bottom of the outlet. For units with no outlet measure from the surface of permanent water or deepest part (if dry).</i></p> <p>Marks of ponding are 3 ft or more above the surface or bottom of outlet points = 7</p> <p>The wetland is a "headwater" wetland" points = 5</p> <p>Marks of ponding between 2 ft to < 3 ft from surface or bottom of outlet points = 5</p> <p>Marks are at least 0.5 ft to < 2 ft from surface or bottom of outlet points = 3</p> <p>Unit is flat (yes to Q. 2 or Q. 7 on key) but has small depressions on the surface that trap water SHALLOW points = 1</p> <p>Marks of ponding less than 0.5 ft points = 0</p>	0
D	<p>D 3.3 Contribution of wetland unit to storage in the watershed</p> <p><i>Estimate the ratio of the area of upstream basin contributing surface water to the wetland to the area of the wetland unit itself.</i></p> <p>The area of the basin is less than 10 times the area of unit points = 5</p> <p>The area of the basin is 10 to 100 times the area of the unit points = 3</p> <p>The area of the basin is more than 100 times the area of the unit points = 0</p> <p>Entire unit is in the FLATS class points = 5</p>	3
D	Total for D 3	<i>Add the points in the boxes above</i>
		5
D	<p>D 4. Does the wetland unit have the <u>opportunity</u> to reduce flooding and erosion?</p> <p>Answer YES if the unit is in a location in the watershed where the flood storage, or reduction in water velocity, it provides helps protect downstream property and aquatic resources from flooding or excessive and/or erosive flows. Answer NO if the water coming into the wetland is controlled by a structure such as flood gate, tide gate, flap valve, reservoir etc. OR you estimate that more than 90% of the water in the wetland is from groundwater in areas where damaging groundwater flooding does not occur.</p> <p><i>Note which of the following indicators of opportunity apply.</i></p> <ul style="list-style-type: none"> — Wetland is in a headwater of a river or stream that has flooding problems <input checked="" type="checkbox"/> Wetland drains to a river or stream that has flooding problems — Wetland has no outlet and impounds surface runoff water that might otherwise flow into a river or stream that has flooding problems — Other _____ <p>YES multiplier is <u>2</u> NO multiplier is 1</p>	multiplier 2
D	TOTAL - Hydrologic Functions Multiply the score from D 3 by D 4	
		<i>Add score to table on p. 1</i>
		10

<p>H 1.4. Interspersion of habitats (see p. 76) Decide from the diagrams below whether interspersion between Cowardin vegetation classes (described in H 1.1), or the classes and unvegetated areas (can include open water or mudflats) is high, medium, low, or none.</p> <div style="display: flex; justify-content: space-around; align-items: flex-end; text-align: center;"> <div style="margin: 10px;">  <p>None = 0 points</p> </div> <div style="margin: 10px;">  <p>Low = 1 point</p> </div> <div style="margin: 10px;">  <p>Moderate = 2 points</p> </div> <div style="margin: 10px;">  </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-end; margin-top: 20px;"> <div style="margin: 10px;">  </div> <div style="margin: 10px;">  <p>High = 3 points</p> </div> <div style="margin: 10px;">  <p>[riparian braided channels]</p> </div> </div> <p style="text-align: center; margin-top: 10px;">NOTE: If you have four or more classes or three vegetation classes and open water the rating is always "high". Use map of Cowardin vegetation classes</p>	<p>Figure <u> </u></p> <p style="font-size: 2em; text-align: center;">2</p>
<p>H 1.5. Special Habitat Features: (see p. 77) Check the habitat features that are present in the wetland. The number of checks is the number of points you put into the next column.</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Large, downed, woody debris within the wetland (>4in. diameter and 6 ft long). <input checked="" type="checkbox"/> Standing snags (diameter at the bottom > 4 inches) in the wetland <input checked="" type="checkbox"/> Undercut banks are present for at least 6.6 ft (2m) and/or overhanging vegetation extends at least 3.3 ft (1m) over a stream (or ditch) in, or contiguous with the unit, for at least 33 ft (10m) <input type="checkbox"/> Stable steep banks of fine material that might be used by beaver or muskrat for denning (>30degree slope) OR signs of recent beaver activity are present (cut shrubs or trees that have not yet turned grey/brown) <input checked="" type="checkbox"/> At least ¼ acre of thin-stemmed persistent vegetation or woody branches are present in areas that are permanently or seasonally inundated. (structures for egg-laying by amphibians) <i>Assume</i> <input type="checkbox"/> Invasive plants cover less than 25% of the wetland area in each stratum of plants <p style="font-size: small;">NOTE: The 20% stated in early printings of the manual on page 78 is an error.</p>	<p style="font-size: 2em; text-align: center;">4</p>
<p>H 1. TOTAL Score - potential for providing habitat Add the scores from H1.1, H1.2, H1.3, H1.4, H1.5</p>	<p style="font-size: 2em;">11</p>

Comments

H 2. Does the wetland unit have the opportunity to provide habitat for many species?		Figure <u> </u>
<p>H 2.1 <u>Buffers</u> (see p. 80) Choose the description that best represents condition of buffer of wetland unit. The highest scoring criterion that applies to the wetland is to be used in the rating. See text for definition of "undisturbed."</p> <ul style="list-style-type: none"> — 100 m (330ft) of relatively undisturbed vegetated areas, rocky areas, or open water >95% of circumference. No structures are within the undisturbed part of buffer. (relatively undisturbed also means no-grazing, no landscaping, no daily human use) Points = 5 — 100 m (330 ft) of relatively undisturbed vegetated areas, rocky areas, or open water > 50% circumference. Points = 4 — 50 m (170ft) of relatively undisturbed vegetated areas, rocky areas, or open water >95% circumference. Points = 4 — 100 m (330ft) of relatively undisturbed vegetated areas, rocky areas, or open water > 25% circumference, . Points = 3 — 50 m (170ft) of relatively undisturbed vegetated areas, rocky areas, or open water for > 50% circumference. Points = 3 <p style="text-align: center;">If buffer does not meet any of the criteria above</p> <ul style="list-style-type: none"> — No paved areas (except paved trails) or buildings within 25 m (80ft) of wetland > 95% circumference. Light to moderate grazing, or lawns are OK. Points = 2 — No paved areas or buildings within 50m of wetland for >50% circumference. Light to moderate grazing, or lawns are OK. Points = 2 — Heavy grazing in buffer. Points = 1 — Vegetated buffers are <2m wide (6.6ft) for more than 95% of the circumference (e.g. tilled fields, paving, basalt bedrock extend to edge of wetland) Points = 0. — Buffer does not meet any of the criteria above. Points = 1 <p style="text-align: center;">Aerial photo showing buffers</p>	1	
<p>H 2.2 <u>Corridors and Connections</u> (see p. 81)</p> <p>H 2.2.1 Is the wetland part of a relatively undisturbed and unbroken vegetated corridor (either riparian or upland) that is at least 150 ft wide, has at least 30% cover of shrubs, forest or native undisturbed prairie, that connects to estuaries, other wetlands or undisturbed uplands that are at least 250 acres in size? (<i>dams in riparian corridors, heavily used gravel roads, paved roads, are considered breaks in the corridor</i>). YES = 4 points (go to H 2.3) NO = go to H 2.2.2</p> <p>H 2.2.2 Is the wetland part of a relatively undisturbed and unbroken vegetated corridor (either riparian or upland) that is at least 50ft wide, has at least 30% cover of shrubs or forest, and connects to estuaries, other wetlands or undisturbed uplands that are at least 25 acres in size? OR a Lake-fringe wetland, if it does not have an undisturbed corridor as in the question above? YES = 2 points (go to H 2.3) NO = H 2.2.3</p> <p>H 2.2.3 Is the wetland: within 5 mi (8km) of a brackish or salt water estuary OR within 3 mi of a large field or pasture (>40 acres) OR within 1 mi of a lake greater than 20 acres? YES = 1 point NO = 0 points</p>	0	

Total for page 1

H 2.3 Near or adjacent to other priority habitats listed by WDFW (see new and complete descriptions of WDFW priority habitats, and the counties in which they can be found, in the PHS report <http://wdfw.wa.gov/hab/phslist.htm>)

Which of the following priority habitats are within 330ft (100m) of the wetland unit? *NOTE: the connections do not have to be relatively undisturbed.*

- Aspen Stands:** Pure or mixed stands of aspen greater than 0.4 ha (1 acre).
- Biodiversity Areas and Corridors:** Areas of habitat that are relatively important to various species of native fish and wildlife (*full descriptions in WDFW PHS report p. 152*).
- Herbaceous Balds:** Variable size patches of grass and forbs on shallow soils over bedrock.
- Old-growth/Mature forests:** (Old-growth west of Cascade crest) Stands of at least 2 tree species, forming a multi-layered canopy with occasional small openings; with at least 20 trees/ha (8 trees/acre) > 81 cm (32 in) dbh or > 200 years of age. (Mature forests) Stands with average diameters exceeding 53 cm (21 in) dbh; crown cover may be less than 100%; crown cover may be less than 100%; decay, decadence, numbers of snags, and quantity of large downed material is generally less than that found in old-growth; 80 - 200 years old west of the Cascade crest.
- Oregon white Oak:** Woodlands Stands of pure oak or oak/conifer associations where canopy coverage of the oak component is important (*full descriptions in WDFW PHS report p. 158*).
- Riparian:** The area adjacent to aquatic systems with flowing water that contains elements of both aquatic and terrestrial ecosystems which mutually influence each other.
- Westside Prairies:** Herbaceous, non-forested plant communities that can either take the form of a dry prairie or a wet prairie (*full descriptions in WDFW PHS report p. 161*).
- Instream:** The combination of physical, biological, and chemical processes and conditions that interact to provide functional life history requirements for instream fish and wildlife resources.
- Nearshore:** Relatively undisturbed nearshore habitats. These include Coastal Nearshore, Open Coast Nearshore, and Puget Sound Nearshore. (*full descriptions of habitats and the definition of relatively undisturbed are in WDFW report: pp. 167-169 and glossary in Appendix A*).
- Caves:** A naturally occurring cavity, recess, void, or system of interconnected passages under the earth in soils, rock, ice, or other geological formations and is large enough to contain a human.
- Cliffs:** Greater than 7.6 m (25 ft) high and occurring below 5000 ft.
- Talus:** Homogenous areas of rock rubble ranging in average size 0.15 - 2.0 m (0.5 - 6.5 ft), composed of basalt, andesite, and/or sedimentary rock, including riprap slides and mine tailings. May be associated with cliffs.
- Snags and Logs:** Trees are considered snags if they are dead or dying and exhibit sufficient decay characteristics to enable cavity excavation/use by wildlife. Priority snags have a diameter at breast height of > 51 cm (20 in) in western Washington and are > 2 m (6.5 ft) in height. Priority logs are > 30 cm (12 in) in diameter at the largest end, and > 6 m (20 ft) long.

If wetland has **3 or more** priority habitats = **4 points**

If wetland has **2** priority habitats = **3 points**

If wetland has **1** priority habitat = **1 point**

No habitats = 0 points

Note: All vegetated wetlands are by definition a priority habitat but are not included in this list. Nearby wetlands are addressed in question H 2.4)

3

Wetland name or number A

<p>H 2.4 Wetland Landscape (<i>choose the one description of the landscape around the wetland that best fits</i>) (<i>see p. 84</i>)</p> <p>There are at least 3 other wetlands within ½ mile, and the connections between them are relatively undisturbed (light grazing between wetlands OK, as is lake shore with some boating, but connections should NOT be bisected by paved roads, fill, fields, or other development. points = 5</p> <p>The wetland is Lake-fringe on a lake with little disturbance and there are 3 other lake-fringe wetlands within ½ mile points = 5</p> <p>There are at least 3 other wetlands within ½ mile, BUT the connections between them are disturbed points = 3</p> <p>The wetland is Lake-fringe on a lake with disturbance and there are 3 other lake-fringe wetland within ½ mile points = 3</p> <p>There is at least 1 wetland within ½ mile. points = 2</p> <p>There are no wetlands within ½ mile. points = 0</p>	<p>3</p>
<p>H 2. TOTAL Score - opportunity for providing habitat <i>Add the scores from H2.1, H2.2, H2.3, H2.4</i></p>	<p>7</p>
<p>TOTAL for H 1 from page 14</p>	<p>11</p>
<p>Total Score for Habitat Functions – add the points for H 1, H 2 and record the result on p. 1</p>	<p>18</p>