

**KING CONSERVATION DISTRICT
BOARD OF SUPERVISORS MEETING
August 9th, 2021
5:00 PM to 7:30 PM– via Teleconference Only
Zoom Link: <https://zoom.us/j/93288647824>
Call In Number: (253) 215-8782
Meeting ID: 932 8864 7824**

Meeting Agenda

Call to Order

- | | |
|---|--------------------------|
| 1. Preliminary Matters | 5:00 PM – 5:10 PM |
| a) Introductions | |
| b) Additions or Corrections to the Agenda | |
| c) Adoption of the Board Agenda | |

- | | |
|--------------------------|--------------------------|
| 2. Consent Agenda | 5:10 PM – 5:15 PM |
|--------------------------|--------------------------|

Items listed below will be enacted by one motion. If separate discussion is desired on an item, that may be removed from the Consent Agenda and placed on the Regular Agenda at the request of a Board Supervisor.

- a) Board Minutes
 - 1. 7/07/21 KCD Executive Director Search Committee Meeting
 - 2. 7/09/21 KCD Executive Director Search Committee Meeting
 - 3. 7/12/21 KCD Board of Supervisors Meeting
 - 4. 7/26/21 KCD Special Board of Supervisors Meeting
 - 5. 7/27/21 KCD Special Board of Supervisors Meeting
 - 6. 7/29/21 KCD Special Board of Supervisors Meeting
 - 7. 8/02/21 KCD Grant Subcommittee Meeting

- b) LIP Applications
 - 1. AI 21-053: Katie Dentel Riparian Forest Buffer – Redmond
 - 2. AI 21-054: Ken Allen Buffer Fence – Redmond
 - 3. AI 21-055: LIP Budget Request – Richard Deglman – Forest Health Management - Redmond

- | | |
|--------------------------|--------------------------|
| 3. Public Comment | 5:15 PM – 5:20 PM |
|--------------------------|--------------------------|

- | | |
|-------------------|--------------------------|
| 4. Finance | 5:20 PM – 5:30 PM |
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- | | |
|---|--------------------------|
| 5. Presentations | 5:30 PM – 6:00 PM |
| a) Engineering Policies – Ken Fuller, Washington State Board of Professional Engineers & Land Surveyors | |
| b) Landowner Incentive Program – Redmond | |
| c) Elections – Dostal | |

- | | |
|---|--------------------------|
| 6. Unfinished Business | 6:00 PM – 6:10 PM |
| a) Dolder Langlois Williams Ultra Tank Project – Stockton | |

- | | |
|---|--------------------------|
| 7. New Business | 6:10 PM – 7:00 PM |
| a) WSCC Election Reform Proposal | |
| b) AI 21-056: Watershed Company Sullivan Bulkhead Removal Project – Redmond | |
| c) AI 21-057: KCD Temporary Project Coordinator Positions – Wolf | |
| d) AI 21-058: WSCC Biennium Grant Addenda and Work Plan | |

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Meeting Agenda

- e) Check Signature Policy

8. Other Reports

7:00 PM – 7:30 PM

- a) Executive Director
- b) Board of Supervisors
- c) Washington Federation of State Employees (WFSE) – Wolf/Saavedra

Consent Agenda

KING CONSERVATION DISTRICT
EXECUTIVE DIRECTOR SEARCH COMMITTEE
Meeting Minutes

July 7th, 2021

Committee Members Present: Councilmember Brenda Fincher – City of Kent; Christie True – King County, Kirstin Haugen – Supervisor; Chris Porter – Supervisor; Burr Mosby – Supervisor

Other Attendees Present: Ed Rogan – The Valtas Group; Amy Burton – The Valtas Group; Lorna Miss – KCD Staff, Liz Clark – KCD Staff

Preliminary Matters:

Haugen called the meeting to order at 3:03 PM. Attendees introduced themselves.

Fincher moved; Porter seconded, passed unanimously a motion to approve the agenda (4-ayes, 0-nays).

New Business:

Haugen indicated that the Committee would be moving into Executive Session to evaluate the qualifications of an applicant for public employment pursuant to RCW 42.30.110(1)(g). Haugen stated that the Executive Session would last approximately 2 hours and 45 minutes, unless extended. The Committee moved into Executive Session at 3:05 PM, using a separate teleconference line. The meeting time was extended to 6:10 PM and was reconvened by Haugen. No decisions, actions, or motions were made following the session.

There was no more business before the Committee.

The meeting was adjourned by Haugen at 6:13 PM.

Authorized Signature

Date

KING CONSERVATION DISTRICT
EXECUTIVE DIRECTOR SEARCH COMMITTEE
Meeting Minutes

July 9th , 2021

Committee Members Present: Councilmember Brenda Fincher – City of Kent; Christie True – King County, Kirstin Haugen – Supervisor; Chris Porter – Supervisor; Burr Mosby – Supervisor

Other Attendees Present: Ed Rogan – The Valtas Group; Amy Burton – The Valtas Group; Lorna Miss – KCD Staff, Liz Clark – KCD Staff

Preliminary Matters:

Haugen called the meeting to order at 2:05 PM.

Fincher moved; Porter seconded, passed unanimously a motion to approve the agenda (4-ayes, 0-nays).

New Business:

Haugen indicated that the Committee would be moving into Executive Session to evaluate the qualifications of an applicant for public employment pursuant to RCW 42.30.110(1)(g). Haugen stated that the Executive Session would last until 4:00 PM, unless extended. The Committee moved into Executive Session at 2:05 PM, using a separate teleconference line. The meeting was reconvened by Haugen at 4:00 PM.

Porter moved; Mosby seconded, passed unanimously a motion to recommend three finalists for the Executive Director position to the Board of Supervisors – Steve Dubiel, Cynthia Setel, and Rosa Méndez (4-ayes, 0-nays).

Porter moved; Fincher seconded, passed unanimously a motion to adjourn the meeting at 4:06 PM (4-ayes, 0-nays).

Authorized Signature

Date

KING CONSERVATION DISTRICT

Board of Supervisors
Meeting Minutes

July 12th, 2021

1 **Supervisors Present:** Burr Mosby – Chair, Kirstin Haugen – Vice Chair, Bill Knutsen –
2 Auditor, Brittney Bush Bollay – Supervisor, Chris Porter – Supervisor

3 **Guests Present:** Alan Chapman – WACD

4 **Staff Present:** Lorna Miss, Cynthia Setel, Laura Redmond, Mary Embleton, Carrie King,
5 Jamie Ward, Ashley Allan, Mike Lasecki, Jessica Saavedra

6 **Preliminary Matters:**

7 Chair Mosby called the meeting to order at 4:05 PM. All attendees introduced themselves.

8 Chair Mosby asked for any additions or corrections to the agenda.

9 **Knutsen moved; Haugen seconded, passed unanimously a motion to approve the**
10 **agenda (4-ayes, 0-nays).**

11 AI 21-046 and AI 21-048 were pulled from the consent agenda for further discussion.

12 **Knutsen moved; Haugen seconded, passed unanimously a motion to approve the**
13 **consent agenda (4-ayes, 0-nays).**

14 **Knutsen moved; Haugen seconded, passed unanimously a motion to approve AI 21-**
15 **046: Alex Meizlish – Stream Crossing (4-ayes, 0-nays).**

16
17 **Haugen moved; Porter seconded, passed unanimously a motion to approve AI 21-048:**
18 **King County – Keeping Farmers Farming (5-ayes, 0-nays).**

19
20 **Public Comment:** None

21 **Finance:**

22 Interim Executive Director Setel gave a financial update and identified the need to streamline
23 financial processes.

24 **Executive Director Report:**

25 Setel discussed the ILA, multiple grants, staffing, and finances available to achieve these
26 goals. Setel also highlighted recent conversations with union leadership to update employee
27 reporting relationships, job descriptions, and salaries.

28 **Unfinished Business:**

*“Promoting sustainable uses of natural resources
through responsible stewardship”*

Page 2 of 3
Board of Supervisors Meeting Minutes
July 12th, 2021

The Board discussed creating a subcommittee focused on board policies to work with Third Sector.

Haugen nominated; Knutsen seconded, Porter and Bollay to serve on the Board Policies Subcommittee. (5-ayes, 0-nays).

Supervisor Haugen gave an update on the WACD/WSCC Joint Committee on Elections.

Supervisor Porter discussed the diversity and equity work at WACD.

Supervisor Haugen gave an update on the Executive Director Search process. The Executive Director Search Committee recommended three finalists. The candidates will next meet with staff, Advisory Committee, and the board.

New Business:

Setel and Arnstein highlighted the need to suspend the third crew.

Knutsen moved; Haugen seconded, passed unanimously a motion to suspend the third crew (5-ayes, 0-nays).

Nominations were accepted for Board Chair.

Knutsen nominated Mosby; Porter nominated Haugen to serve as Board Chair. Mosby called for a roll call vote. Mosby: Mosby; Porter: Haugen; Knutsen: Mosby; Bollay: Haugen; Haugen: Haugen. Mosby received 2 votes and Haugen received 3 votes. Haugen was elected Board Chair.

Nominations were accepted for Board Vice Chair.

Haugen nominated Porter to serve as Board Vice Chair (5-ayes, 0-nays).

Executive Session:

Mosby indicated that the Board would be moving into an Executive Session to evaluate the qualifications of an applicant for public employment per RCW 42.30.110(1)(g) and for the purpose of discussing pending litigation pursuant to RCW 42.30.110(1)(i). Mosby stated that the Executive Session would last approximately 40 minutes, unless extended. The Board moved into Executive Session at 5:40 PM, using a separate teleconference line. Executive Session was extended until 6:50 PM. The Board meeting was reconvened by Mosby at 6:50 PM. No decisions, actions, or motions were made following the session.

There was no more business before the Board.

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Board of Supervisors Meeting Minutes
July 12th, 2021

Porter moved; Haugen seconded, passed unanimously a motion to adjourn the meeting at 6:50 PM (5-ayes, 0-nays).

Authorized Signature

Date

Summary of Motions

Knutsen moved; Haugen seconded, passed unanimously a motion to approve the agenda (4-ayes, 0-nays).

Knutsen moved; Haugen seconded, passed unanimously a motion to approve the consent agenda (4-ayes, 0-nays).

Knutsen moved; Haugen seconded, passed unanimously a motion to approve AI 21-046: Alex Meizlish – Stream Crossing (4-ayes, 0-nays).

Haugen moved; Porter seconded, passed unanimously a motion to approve AI 21-048: King County – Keeping Farmers Farming (5-ayes, 0-nays).

Haugen nominated; Knutsen seconded, Porter and Bollay to serve on the Board Policies Subcommittee. (5-ayes, 0-nays).

Knutsen moved; Haugen seconded, passed unanimously a motion to suspend the third crew (5-ayes, 0-nays).

Knutsen nominated Mosby; Porter nominated Haugen to serve as Board Chair. Mosby called for a roll call vote. Mosby: Mosby; Porter: Haugen; Knutsen: Mosby; Bollay: Haugen; Haugen: Haugen. Mosby received 2 votes and Haugen received 3 votes. Haugen was elected Board Chair.

Haugen nominated Porter to serve as Board Vice Chair (5-ayes, 0-nays).

Porter moved; Haugen seconded, passed unanimously a motion to adjourn the meeting at 6:50 PM (5-ayes, 0-nays).

KING CONSERVATION DISTRICT

Special Board of Supervisors Meeting Minutes

July 26th , 2021

1 **Supervisors Present:** Kirstin Haugen – Chair; Chris Porter – Vice Chair; Burr Mosby – Supervisor;
2 Bill Knutsen - Supervisor; Brittney Bush Bollay – Supervisor

3 **Other Attendees Present:** Ed Rogan – The Valtas Group; Lorna Miss – KCD Staff

4 **Preliminary Matters:**

5 Chair Haugen called the meeting to order at 1:02 PM. All attendees introduced themselves. Haugen
6 asked for additions or corrections to the current agenda. There were none.

7 **Bush Bollay moved; Knutsen seconded, passed unanimously a motion to approve the agenda**
8 **(4-ayes, 0-nays).**

9 **Executive Session:**

10 Haugen indicated that the Board would be moving into Executive Session to evaluate the
11 qualifications of an applicant for public employment pursuant to RCW 42.30.110(1)(g). Haugen
12 stated that the Executive Session would last until 4:15 PM, unless extended. The Committee
13 moved into Executive Session at 1:05 PM, using a separate teleconference line. The meeting was
14 reconvened by Haugen at 4:15 PM.

15 **Knutsen moved; Mosby seconded, passed unanimously a motion to adjourn the meeting at**
16 **4:16 PM (4-ayes, 0-nays).**

17
18 Authorized Signature

Date

KING CONSERVATION DISTRICT

Special Board of Supervisors Meeting Minutes

July 27th, 2021

1 **Supervisors Present:** Kirstin Haugen – Chair; Chris Porter – Vice Chair; Burr Mosby – Supervisor;
2 Bill Knutsen – Supervisor; Brittney Bush Bollay – Supervisor

3 **Other Attendees Present:** Lorna Miss – KCD Staff, Mary Embleton – KCD Staff; Laura
4 Redmond – KCD Staff; Ed Rogan – Valtas Group; Amy Burton – Valtas Group

5 **Preliminary Matters:**

6 Chair Haugen called the meeting to order at 1:33 PM. All attendees introduced themselves. Haugen
7 asked for additions or corrections to the current agenda. There were none.

8 **Knutsen moved; Bollay seconded, passed unanimously a motion to approve the agenda (4-**
9 **aves, 0-nays).**

10 **Old Business:**

11 **Porter moved; Bollay seconded, passed unanimously a motion to approve AI 21-052: The**
12 **cost share and labor rate resolution (5-aves, 0-nays).**

13 **Executive Session:**

14 Haugen indicated that the Board would move into Executive Session at 2:00 PM to evaluate the
15 qualifications of an applicant for public employment pursuant to RCW 42.30.110(1)(g). Haugen
16 stated that the Executive Session would last until 4:00 PM, unless extended. The Board moved
17 into Executive Session at 2:00 PM, using a separate teleconference line. The Executive Session
18 was extended until 5:10 PM. The meeting was reconvened by Haugen at 5:13 PM.

19 Nominations were accepted for Executive Director.

20 **Porter nominated Steve Dubiel; Knutsen seconded. Mosby nominated Cynthia Setel; Bollay**
21 **seconded. Bollay nominated Rosa Méndez; Porter seconded. Chair Haugen called for a roll**
22 **call vote. Porter: Rosa Méndez; Mosby: Cynthia Setel; Knutsen: Cynthia Setel; Bollay: Rosa**
23 **Méndez; Haugen: Rosa Méndez. Rosa Méndez was selected as Executive Director.**

24 There was no further business before the Board.

25 **Mosby moved; Knutsen seconded, passed unanimously a motion to adjourn the meeting (5-**
26 **aves; 0-nays).**

27 Haugen adjourned the meeting at 5:15 PM.

Page 2 of 2
Special Board of Supervisors Meeting Minutes
July 27th, 2021

28 Authorized Signature

Date

29

KING CONSERVATION DISTRICT

Special Board of Supervisors Meeting Minutes

July 29th , 2021

1 **Supervisors Present:** Kirstin Haugen – Chair; Chris Porter – Vice Chair; Burr Mosby – Supervisor;
2 Bill Knutsen - Supervisor; Brittney Bush Bollay – Supervisor

3 **Other Attendees Present:** Jessica Saavedra – KCD Staff; Nikki Wolf – KCD Staff; Carrie King
4 – KCD Staff; Mary Embleton – KCD Staff

5 **Preliminary Matters:**

6 Chair Haugen called the meeting to order at 3:03 PM. All attendees introduced themselves. Haugen
7 asked for additions or corrections to the current agenda. There were none.

8 **Porter moved; Bush-Bollay seconded, passed unanimously a motion to approve the agenda**
9 **(5-ayes, 0-nays).**

10 **Executive Session:**

11 Haugen indicated that the Committee would be moving into Executive Session to evaluate the
12 qualifications of an applicant for public employment pursuant to RCW 42.30.110(1)(g). Haugen
13 stated that the Executive Session would last until 3:20 PM, unless extended. The Committee
14 moved into Executive Session at 3:08 PM, using a separate teleconference line. The meeting was
15 extended for an addition five minutes and reconvened by Haugen at 3:27 PM.

16 **Bollay moved; Porter seconded, passed unanimously a motion to approve the Executive**
17 **Director salary of \$152,500 with standard benefits. (5-ayes, 0-nays).**

18 **Mosby moved; Knutsen seconded, passed unanimously a motion to renew the Interim**
19 **Executive Director contract for two months (5-ayes, 0-nays).**

20 **Porter moved; Knutsen seconded, passed unanimously a motion to adjourn the meeting (5-**
21 **ayes, 0-nays).**

22 Haugen adjourned the meeting at 3:33 PM.

23
24 Authorized Signature

Date

KING CONSERVATION DISTRICT

Board of Supervisors

Grant Subcommittee Meeting

Meeting Minutes

Monday, August 2nd, 2021

1 **Supervisors Present**, Kirstin Haugen– Chair, Burr Mosby

2 **Associate Supervisors Present:** None

3 **Guests Present:** None

4 **Staff Present:** Jessica Saavedra, Mary Embleton, Cynthia Setel, Jamie Ward

5 **Preliminary Matters:**

6 Meeting called to order at 3:00 pm by Kirstin Haugen.

7 **Mosby moved Haugen seconded, unanimously passed a motion to adopt the grant**
8 **subcommittee meeting agenda as amended.**

9 Haugen mentioned that the Board of Supervisors would like this meeting to begin at 5 pm starting
10 in September 2021.

11 **Member Jurisdiction Grant Program Items**

12 **Updates & Discussion:**

13 2021 Seattle Community Partnership Grant Program

14 Saavedra described the timing difference between doing the grant round now and waiting until
15 early 2022 as well as the staffing transition at the City of Seattle. Haugen stated that she is ok with
16 delaying the grant round and having more funds available in 2022. This will give everyone time
17 to get acclimated.

18 Automatic Electronic Defibrillator (AED) request

19 Saavedra described the request for KCD to fund an AED. She stated that she initially said that the
20 expense was not eligible for reimbursement under this grant because unlike other equipment
21 approved in the budget, an AED is not related to healthy food access or food health and safety.
22 Saavedra researched other farmers markets KCD funds and they do not have one or they did not
23 ask KCD to pay for it. The grantee responded that it was confusing what KCD would fund and
24 emphasized the community need. Board members discussed this at length and determined that
25 KCD cannot fund an AED at this time, but we will commit to do more research on this to inform
26 revised policies that are more specific in the future.

KING CONSERVATION DISTRICT

Board of Supervisors

Grant Subcommittee Meeting

Meeting Minutes

Monday, August 2nd, 2021

27 Applications - none

28 Amendments

29 Mosby moved, Huagen seconded, unanimously passed a motion to approve the amendment
30 request from iUrban Teen for the Yesler Terrace Goes Green project revising the budget as
31 detailed, rolling unspent funds in the amount of \$5,975.32 forward for use by the iUrban Teen
32 Resilience, Innovation and Sustainability in a Changing World project.

33 Mosby moved, Haugen seconded, unanimously passed a motion to approve the amendment
34 request from iUrban Teen for the Resilience, Innovation and Sustainability in a Changing
35 World project revising the budget as detailed increasing the approved award amount of
36 \$67,367.00 by \$5,975.32 with unspent funds from the previous grant for the Yesler Terrace Goes
37 Green project, for a new total grant award of \$73,342.32.

38 Close outs

39 Mosby moved, Haugen seconded, unanimously passed a motion to close the iUrban Teen
40 Yesler Terrace Goes Green grant agreement as amended.

41
42 Mosby moved, Haugen seconded, unanimously passed a motion to close the Green River
43 Coalition Covington Community Park Interpretive Trail and Native Plant Restoration
44 grant agreement.

45
46 Mosby moved, Haugen seconded, unanimously passed a motion to close the Mountains to
47 Sound Greenway Trust – Issaquah Creek Restoration at Lake Sammamish State Park 2011
48 grant agreement.

49 Mosby moved, Haugen seconded, unanimously passed a motion to close the Duwamish
50 Tribal Services – Duwamish Ridge to River grant agreement.

51 Mosby moved, Haugen seconded, unanimously passed a motion to close the Zero Waste
52 Washington – Youth green jobs to reduce plastic pollution in the greater Duwamish Valley,
53 in Seattle, WA grant agreement.

54 Regional Food System Grant Program Items:

55 Updates & Discussion:

56 - 2021 RFS Competitive Grant timeline and recommended change in cap for 2022

King Conservation District Landowner Incentive Program
2021 July Awards

BUDGET SUMMARY	
Total- Cost-share Budget	\$506,300.00
Total- Cost-share Awarded	\$218,971.58
2021 Awards	\$161,884.98
July Award Cycle	\$57,086.60
Cost-share Budget Remaining	\$287,328.42
Funds Available to Reallocate	\$648.45
Adjusted Balance Available for FY 2021	\$287,976.87

COST SHARE AWARD DETAIL- July Cycle									
Last Name	First Name	Best Management Practice	Award Amount	Completion Date	Acres	Feet	Plants	Qty	
Meizlish	Alex	Stream Crossing	\$ 16,500.00	7/31/2022		20			
Doddrill	Kandie and Mark	Waste Storage Facility	\$ 10,800.00	7/31/2022					
Chisholm	Tyler	Riparian Forest Buffer	\$ 10,477.60	7/31/2022	0.34	240	468		
Roderick	John	Riparian Forest Buffer	\$ 10,575.00	7/31/2022	0.71	480	995		
Stetson/Bright	Iola/Valerie	Buffer Fence	\$ 6,480.00	7/31/2022		720			
Baum	Richard	Heavy Use Protection Area	\$ 2,254.00	7/31/2022					
Total			\$57,086.60		1.05	1460.00	1463		

COST-SHARE FUNDS AVAILABLE TO REALLOCATE (Prior & Current Year Contracts, Cancelled or Closed Under Budget During CY 2021)			
Status	Number of Contracts	Amount	
Closed Underbudget	2	\$	648.45
Cancelled	0	\$	-
	2	\$	648.45

King Conservation District Board of Supervisors Meeting 08/09/2021**Agenda Action Briefing/Report AI 21-****SUBJECT:**

Approve KCD Landowner Incentive Program cost-share application from Katie Dentel, for a Riparian Forest Buffer, in the amount of \$26,865.00.

FISCAL IMPACT

The current balance of cost-share funding for KCD LIP 2021 is summarized in the following table:

2021 LIP Cost-share Available	\$284,553.42
Current Request	\$26,865.00
Balance Remaining	\$257,688.42

POLICY CONSIDERATION

This proposed cost-share contract has been vetted through a staff approval committee and meets NRCS standards for the applicable best management practice (BMP). The application has been advanced for due pass by the Board of Supervisors.

STAKEHOLDER INTERESTS

- District cooperators working with District farm management, forestry and aquatic area enhancement programs
- King CD Board members and staff
- NRCS

BACKGROUND

The Dentel property is 32 acre farm located on Coal Creek in Enumclaw. Coal Creek is approximately 9.2 miles long with 15 tributaries that add approximately 8 additional stream miles and empties into Fish Lake. Coal Creek supports resident cutthroat trout but does not support anadromous fish species. Coal Creek's importance to anadromous salmonids lies in the theory that water from Fish Lake seeps underground and surfaces as perched springs and/or riverbed springs in the Green River stream-bed in the vicinity of river mile 48- 50. The riparian area located on the Dentel property consists of a mature deciduous over-story, which lacks species diversity and a conifer component. The under-story is dominated by non-native vegetation. The control of non-native vegetation and the installation of native trees and shrubs would restore natural riparian plant communities, create shade to maintain water temperatures, improve riparian habitat and forest health, and increase carbon storage in plant biomass and soils.

The Dentel project will consist of 3.49 acres of riparian forest buffer on 2,698 (1,349*2) linear feet of Coal Creek. The buffer will average 50 feet on both the east and west sides of the creek. The project will receive 2-3 treatments including 1 manual treatment and 1-2 chemical treatments in preparation for planting. The site will be planted with approximately 5,400 bare-root trees and shrubs. Following planting the project will be maintained for 3-5 years with 2 treatments a year depending on site conditions and plant health.

EFFECTIVE DATE

The cost-share award will become effective upon approval by the Board of Supervisors and the LIP contract will become effective upon signature by a Board representative.

RECOMMENDATION

Staff seeks Board approval of Landowner Incentive Program cost-share application from Katie Dentel, for a Riparian Forest Buffer, in the amount of \$26,865.00.

MOTION

AI 21-000

King Conservation District Board of Supervisors Meeting 08/09/2021

Agenda Action Briefing/Report AI 21-

_____ Moved, _____ Seconded; Passed a motion to Approve KCD Landowner Incentive Program cost-share application from Katie Dentel, for a Riparian Forest Buffer, in the amount of \$26,865.00.

KING CONSERVATION DISTRICT (KCD) LANDOWNER INCENTIVE PROGRAM APPLICATION

Aquatic Area Enhancement Project

Section 1. Applicant (If applicant is not the landowner, then landowner must also sign the agreement)

Applicant Name: Katie Dentel		Farm/Business Name:	
Mailing Address: 38705 Veazie-Cumberland Rd Enumclaw, WA 98022		Project Address: 29224 Thomas Rd SE Kent, WA 98042	
Phone (home): (206) 697-5467		Phone (work/mobile):	
Email Address: pittk2@gmail.com		KCD Staff: Zachary Bergen	
Parcel #(s): Parcel #0620079033	<input type="checkbox"/> Incorporated <input checked="" type="checkbox"/> Unincorporated	Total Farm/Land Acreage: 32.41 acres	<input checked="" type="checkbox"/> T.A. <input type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Would you like to be added to our newsletter list?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Section 2. Project Information

Best Management Practice (BMP): Riparian Forest Buffer
Project Completion Date (month and year): 12/2025
<p>Current Site Conditions (Provide a brief summary of resource management problem addressed by BMP: note streams, wetlands, and steep slopes near or within the project area):</p> <p>The Dentel property is 32 acre farm located on Coal Creek in Enumclaw. Coal Creek is approximately 9.2 miles long with 15 tributaries that add approximately 8.0 additional stream miles and empties into Fish Lake. Coal Creek supports resident cutthroat trout but does not support anadromous fish species. Coal Creek's importance to anadromous salmonids lies in the theory that water from Fish Lake seeps underground and surfaces as perched springs and/or riverbed springs in the Green River stream-bed in the vicinity of river mile 48- 50.</p> <p>The riparian area located on the Dentel property consists of a mature deciduous over-story, which lacks species diversity and a conifer component. The under-story is dominated by non-native vegetation including Rubus</p>
<p>Project Details (Provide a brief summary of the project. Include acres treated, linear feet of stream enhanced, length of fence, types and numbers of plants, etc.):</p> <p>The Dentel project will consist of 3.49 acres of riparian forest buffer on 2698 (1349*2) linear feet of Coal Creek. The buffer will average 50 feet on both the east and west sides of the creek. The goal of this project is to reach a plant density of approximately 2400 stems per acre (4 feet on center). Through aerial photography and site visits it has been estimated that current densities are approximately 500 stems per acre. Therefore, to achieve the goal, 1800 stems per acre will be planted. Species will depend on nursery availability but will include a mix of trees and shrubs including, Physocarpus capitatus (Pacific ninebark), Salix sitchensis (Sitka willow), Symphoricarpos albus (snowberry), Holodiscus discolor (ocean spray), Thuja plicata (Western red cedar), and Albies grandis (grand fir). The project will receive 2-3 treatments including 1 manual treatment and 1-2 chemical treatments in preparation for planting. The site will be planted with bare-root trees and shrubs previously listed in the winter. Following planting the project will be maintained for 3-5 years with 2 treatments a year depending on site conditions and plant health</p>
<p>Maintenance Plan:</p> <p>Restoration contractors will maintain the project for 3-5 growing seasons. Activities may include control of non-desirable vegetation, water conservation practices, mulching and or inter-planting. All activities will promote plant establishment with the goal of getting the plants through the plant establishment phase.</p>

Permits (List all permits required to complete this project): Herbicide application will be performed by a State licensed contractor.

Photos: KCD Resource Planner must submit before photos with this application.

Section 3. Cost-share Programs

- A. Have you previously applied for cost-share through the KCD Landowner Incentive Program (LIP)?
If yes, please list contract number and BMP below:

☐ Yes ☒ No

- B. Are you applying for (or received) funding (cost-share or grants) through other agencies or programs?
Please describe below:

☐ Yes ☒ No

1. **King County Cost-share**

Please list practices and date installed below:

2. **NRCS EQIP (Natural Resources Conservation Service's Environmental Quality Incentive Program)**

Please list practices and date installed below:

3. **Other**

Please list agency and describe project:

Other Cost-Share History/Notes:

Section 4. Budget (attached as Exhibit A)

KCD will plan and install the Best Management Practice (BMP) on behalf of the Applicant. A detail of the project budget with line items for planning, installation, maintenance and cost-share ratios are attached as Exhibit A. Upon BMP installation, KCD will invoice the Applicant for the Applicant Cost-share listed in the following table. Applicant cost-share is due 30 days after receipt of a KCD invoice.

Program Cost-share	Cost-share Ratio	Amount
King CD Landowner Incentive Program	90%	\$ 26,865.00
King CD Aquatic Area Enhancement Program	%	
Washington State Conservation Commission	%	
Other (specify) -	%	
Other (specify) -	%	
Applicant Cost-share	10%	\$ 2,985.00
TOTAL	100%	\$ 29,850.00

Section 5. Education and Outreach

KCD encourages public education through demonstration projects. Demonstration projects are used to educate other landowners about innovative ways to address natural resource concerns. A demonstration project may be showcased in a guided tour, or featured in presentations or written fact sheets.

A. Will you consider becoming a demonstration project?

☐ Yes ☒ No

Section 6. Maintenance and Monitoring Expectations

The applicant is responsible to maintain the Best Management Practice (BMP) to standard as detailed in the attached Job Sheet for the lifetime of the BMP.

- ☒ A. I understand the lifetime of the BMP is 15 years.
- ☒ B. I understand KCD will work with me to verify proper maintenance of the installed BMP, which will include a combination of site visits with KCD staff and/or annual photo documentation submitted by me for the lifetime listed in Section 7A.
- ☒ C. I understand I am obligated to maintain and monitor the BMP for the lifetime listed in Section 6A.

Section 7. Application and Agreement

I request financial assistance (cost-share) under the KCD LIP to install the Best Management Practice (BMP) described in this application and detailed in the attached *Job Sheet and Map*. This practice is needed to solve the natural resource problems described in Section 2 of this application. This Agreement expires if the project is not completed by the specified completion date in Section 2 or in an approved timeline revision request. KD (Initial Here)

I authorize KCD to secure the applicable local, state and federal permits and to install the BMP on my behalf, and I agree to work cooperatively with KCD to obtain these permits. KD (Initial Here)

I agree to work cooperatively with KCD to ensure the funded BMP is maintained consistent with the design life identified in the attached Job Sheet and in Section 6 of this application. KD (Initial Here)

I agree to indemnify, defend, and hold harmless KCD, its elected or appointed officials, employees and agents, from all claims, alleged liability, damages, losses to or death of person or damage to property allegedly resulting from the negligent or intentional acts of the applicant or any of its employees or agents which may occur during the course of KCD's performance of the installation of the BMP provided in connection with this Agreement. KD (Initial Here)

I represent that the information provided in Section 3 of this application is a full disclosure of all other natural resource financial cost-share relationships in which I have or am participating. KD (Initial Here)

I understand that LIP cost-share is contingent upon installing the BMP to the minimum standard planned by KCD, and that KCD will verify and photo document standard compliance through its coordination of BMP installation. KD (Initial Here)

I understand that in cases where I become the recipient of a KCD LIP cost-share reimbursement there may be federal tax liability associated with the reimbursement. When this occurs, KCD will issue a 1099-G for reimbursements made through the LIP. I understand that KCD cannot provide advice with respect to the tax liability associated with LIP cost-share reimbursements. KD (Initial Here)

I understand that I am applying for public funding and am responsible for notifying a buyer upon sale or loss of the property of the installed BMP. If I sell or lose control of the property covered by this Agreement and the new owner or transferee does not assume responsibility for maintaining the installed BMP as required by this Agreement, I may be required to refund all or a portion of cost-share reimbursements received through this Agreement. In the event litigation is commenced by KCD to recover a refund of any cost-share reimbursements received through this Agreement, attorney's fees and costs incurred by the prevailing party in such action shall be paid by the non-prevailing party. KD (Initial Here)

I give permission to KCD to photograph my property to document the site conditions and/or the implementation and maintenance of the funded practice. In the event that I or any of my family members or dependents choose to be photographed in a setting that reflects the assistance provided by KCD, I give KCD permission to publish such photographs in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. KD (Initial Here)

Katie Dentel

Page 3 of 4

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. KP (Initial Here)

I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: KP (Initial Here)

- a. The KCD funded BMP falls within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable).

Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.)

- b. I relinquish or lose ownership of equipment purchased with KCD cost-share.
c. The KCD funded BMP is not being used for the intended purpose (e.g. cross fencing purchased with KCD funding, but no animals on property).
d. I cancel two cost-share contracts awarded through the KCD Landowner Incentive Program.
e. I deny KCD staff access to my property to verify BMP maintenance.

I understand KCD will provide two signs, an LIP sign and aquatic area buffer sign, free of charge, and I agree that: KP (Initial Here)

- a. I will select a visible location on my property for display of the LIP sign and will install it.
b. KCD will install the aquatic area buffer sign adjacent to the installed aquatic area enhancement project.
c. I will maintain the signs and keep them free of visual barriers for at least five years after installation.
d. I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Signature of applicant

Katie Dentel 7/23/21

Date

Signature of Landowner (if applicant is Lessee)

same

Date

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)

07/23/2021

Date

Approved for Funding (KCD Management)

Date

LIP ID:



DENTEL Project Budget

Project Manager: Zachary Bergen

Landowner(s): Katie Dentel

Project Summary: The buffer will average 50 feet on both the east and west sides of the creek. The goal of this project is to reach a plant density of approximately 2400 stems per acre (4 feet on center). Through aerial photography and site visits it has been estimated that approximately 1800 planted stems per acre will achieve density goals.

Contract Services	Year	Units	# of Units	Unit Cost	Extended	KCD LIP (90%)	Landowner funds (10%)
Site Prep - Backpack Spot or Area Spray	0	ac	3.5	\$ 300.00	\$ 1,050.00		
Site Prep - Backpack Spot or Area Spray	0	ac	3.5	\$ 300.00	\$ 1,050.00		
Site Prep - Hand Mow/ Cut	0	ac	2	\$1,500.00	\$ 3,000.00		
					\$ 5,100.00		
Planting - Install Bareroot Plants	1	ea	5400	\$ 3.50	\$ 18,900.00		
					\$ 18,900.00		
Maintenance - Backpack Spot or Area Spray	1	ac	2	\$ 300.00	\$ 600.00		
Maintenance - Backpack Spot or Area Spray	1	ac	3	\$ 300.00	\$ 900.00		
Maintenance - Backpack Spot or Area Spray	2	ac	2	\$ 300.00	\$ 600.00		
Maintenance - Backpack Spot or Area Spray	2	ac	3	\$ 300.00	\$ 900.00		
Maintenance - Backpack Spot or Area Spray	3	ac	1.5	\$ 300.00	\$ 450.00		
Maintenance - Backpack Spot or Area Spray	3	ac	3	\$ 300.00	\$ 900.00		
Maintenance - Backpack Spot or Area Spray	4	ac	1	\$ 300.00	\$ 300.00		
Maintenance - Backpack Spot or Area Spray	4	ac	2	\$ 300.00	\$ 600.00		
Maintenance - Backpack Spot or Area Spray	5	ac	2	\$ 300.00	\$ 600.00		
					\$ 5,850.00		
Installation Total Est.					\$ 29,850.00	\$ 26,865.00	\$ 2,985.00
Landowner Cost Share Max					\$ 2,985.00		
KCD Staff Time (Non Cost Share)	Year	Units	# of Units	Unit Cost	Extended		
Planning	1	hr	30	\$ 90.00	\$ 2,700.00		
Implementation	1	hr	40	\$ 90.00	\$ 3,600.00		
					\$ 6,300.00		
Project Total Est.					\$ 36,150.00		

Project Installation	
\$ 6,300.00 KCD	
\$ 26,865.00 LIP	
\$ 2,985.00 Landowner	
\$ 36,150.00 Total	

[Insert Project Name] Project Budget - As Built



JOB SHEET

Aquatic Area Buffer Planting- Riparian Forest Buffer

Landowner: Katie Dentel	Lifetime of Practice: 15 years

Purpose (check all that apply)	
<input checked="" type="checkbox"/> Create shade to lower or maintain water temperatures to improve habitat for aquatic organisms	<input checked="" type="checkbox"/> Improve forest health reducing the potential of damage from pests and moisture stress
<input type="checkbox"/> Create or improve riparian habitat and provide a source of detritus and large woody debris	<input checked="" type="checkbox"/> Restore natural riparian plant communities
<input type="checkbox"/> Reduce excess amounts of pollutants in surface runoff and reduce excess nutrients and chemicals in shallow groundwater flow	<input checked="" type="checkbox"/> Improve wildlife habitat
<input type="checkbox"/> Reduce pesticide drift entering water body	<input checked="" type="checkbox"/> Increase carbon storage in vegetation and soils, and increase biomass in soils

Current Site Conditions *Provide a summary of the resource management problems addressed by the BMP. Also note any other current conditions pertinent to the project (slopes, erosion, flow, drainage)*

The Dentel property is 32 acre farm located on Coal Creek in Enumclaw. Coal Creek is approximately 9.2 miles long with 15 tributaries that add approximately 8.0 additional stream miles and empties into Fish Lake. Coal Creek supports resident cutthroat trout but does not support anadromous fish species. Coal Creek's importance to anadromous salmonids lies in the theory that water from Fish Lake seeps underground and surfaces as perched springs and/or riverbed springs in the Green River stream-bed in the vicinity of river mile 48- 50.

The riparian area located on the Dentel property consists of a mature deciduous over-story, which lacks species diversity and a conifer component. The under-story is dominated by non-native vegetation including *Rubus armeniacus* (Himalayan blackberry) and *Phalaris arundinacea* (reed canarygrass). The control of non-native vegetation and the installation of native trees and shrubs would restore natural riparian plant communities, create shade to maintain water temperatures, improve riparian habitat and forest health, and increase carbon storage in plant biomass and soils.

Riparian Forest Buffer Practice and Details *Provide the following:*

- 1) a basic description of the proposed planting area
- 2) calculate and record the square footage (acreage) of the planting area, the number of trees and shrubs to be planted, the linear footage of stream enhanced, the average and minimum width of the buffer.
- 3) list any native plant species currently existing on site
- 4) list native trees and shrubs selected for the project
- 5) please attach your proposed planting plan

1) & 2) The Dentel project will consist of 3.49 acres of riparian forest buffer on 2698 (1349*2) linear feet of Coal Creek. The buffer will average 50 feet on both the east and west sides of the creek. The goal of this project is to reach a plant density of approximately 2400 stems per acre (4 feet on center). Through aerial photography and site visits it has been estimated that planting 1800 stems per acre will achieve this goal. The project will receive 1-2 treatments including 1 manual treatment and 1-2 chemical treatments in preparation for planting. The site will be planted with bare-root trees and shrubs previously listed in the winter. Following planting the project will be maintained for 3-5 years with 2 treatments a year depending on site conditions and plant health.

3) *Alnus rubra* (red alder), *Acer macrophyllum* (big leaf maple), *Populus trichocarpa* (black cottonwood)

4) Species list will depend on availability but will likely include: *Alnus rubra* (red alder), *Acer macrophyllum* (big leaf maple), *Salix sitchensis* (Sitka willow), *Cornus sericea* (red osier dogwood), *Symphoricarpos albus* (snowberry), and conifers including *Pseudotsuga menziesii* (Douglas Fir), *Abies grandis* (grand fir), and *Thuja plicata* (western red cedar).

Permits *Are there any permits necessary for the project? If so, please list below and include a copy of the permit*

No special permits are necessary for riparian buffer planting projects in Unincorporated King County. Herbicide Applicators will be licensed with appropriate endorsements and will maintain all applicable spray records made available upon request.

Type and Source of Plant Material *Will you use potted plants, bareroot plants, b&b plants or a combination? Where will you get the plants from and when?*

Plant material will be native species adapted to the site to minimize maintenance and care.

The contractor will plant bareroot material sourced from the Puget Sound region. Live stake, or potted nursery material may be used as needed. There are several local native plant nurseries where native trees, shrubs and emergent species can be purchased. Refer to the attached list of native plant nurseries for local King County sources of native plant material as well as sources in the greater Puget Sound region.

Site Preparation *List what method(s) of site preparation will be used, who will be doing the work, when will the work be done.*

Specific weed control prescriptions are detailed below. If brush and debris are removed from the stand, all material will be hauled off-site or masticated /chipped in a staging area. If masticated material is intended for use as mulch on the site, invasive species should not be included in the masticating/chipping process.

Weed Control Prescriptions:

Himalayan & Evergreen Blackberry Control –

- *Manual control:* Mow or cut the blackberry canes to less than 1 foot in height, then grub/dig out the roots attached to the cut canes. Thorough removal of blackberry roots in this manner, while labor intensive can reduce the blackberry population and cover in the prepared area by 90 – 95%. Monitor for re-growth in the following growing seasons; dig up any re-growth.
- *Chemical Control:* An alternative control method includes herbicide. One technique involves cutting/mowing the canes and swabbing the freshly cut canes with an approved herbicide. Foliar spray of blackberry is another effective control method. It is recommended that blackberry is mowed early in the summer and sprayed on the foliar re-growth the next fall (September/October). Do not spray planted seedlings. **Always follow label rates and instructions.**

English Ivy Control –

- *Manual Control:*
 - 1) Recommended manual methods include digging and pulling. First, remove any flowering or fruiting portion within reach and bag for removal from the site. Next, hand dig and pull out all accessible portions of plants including roots. Note that all cut stems/roots must be removed from soil contact. If composting on site, use cardboard or wood to create a raised platform. Consider

wearing gloves and protective clothing as ivy sap is known to cause a reaction in some individuals. Mulching an area will significantly reduce re-growth of ivy. To properly mulch, apply an 8 inch thick mulch layer. Plants should be cut and removed and then mulched, preferably with a layer of cardboard below the mulch.

- 2) Vertical ivy is controlled by girdling. To girdle vertical vines, cut the ivy vines at shoulder height and slightly above ground level. Remove the cut ivy section from the tree. This eliminates nutrient transport from the roots of ground ivy to the leaves and stems growing into the canopy of the tree. The lower cut section of ivy stems and roots must be pulled at least 6 feet away from tree. Root and stem fragments can re-grow and must be composted in a manner similar to ground ivy.
- *Chemical Control:* Ivy leaves are waxy and difficult to penetrate with herbicides, repeat application may be necessary. **Always follow label rates and instructions.**
 - Foliar Spray: From summer to fall foliar apply a 2-5% solution of triclopyr and a nonionic surfactant, a less desirable alternative is a 2-4% dilution of glyphosate. A mixture of glyphosate and triclopyr has also been found effective (4% glyphosate, 2% triclopyr, and 2% surfactant). A winter application on a sunny day has had even better success; apply 2-5% either glyphosate or triclopyr.
 - Basal Bark and Cut Stump: Cut vine close to the ground and treat freshly cut surface with 33% solution of triclopyr or glyphosate. For basal bark application, strip leaves from stem near ground level and apply 33% dilution of triclopyr or glyphosate.

Reed Canary Grass Control –

- *Manual Control:*
 - 1) Mowing reed canary grass depletes carbohydrate root reserves, and if done repeatedly it will result in the thinning or death of the grass. The ideal time to mow is at or near the flowering stage. The grass should be cut as near to the ground as possible (1 inch or lower). Twice yearly mowing (in early-mid June and early October) has shown increased survivorship of native plants planted into reed canary.
 - 2) Shading is highly effective in reducing reed canary grass stands. A dense planting of conifers, once established, is ideal for shading. Faster growing deciduous trees and shrubs, especially those that develop foliage in the early spring, combined with an under-planting of conifers can be effective. Artificial methods of shading can be used in conjunction with native plantings. Sheets of thick cardboard or landscaping fabric placed around each individual plant should be secured to the ground by long staples or stakes and covered with 5-6 inches of mulch. The combination of sheeting and mulch provides temporary suppression of the grass, allowing the desirable vegetation to thrive without competition. *Not recommended for flood prone areas.*
- *Chemical Control:* Herbicide can be effective in elimination of Reed Canary grass when properly applied. Studies show that spraying Glyphosate (the active ingredient in products such as ®Rodeo) after a stand is mown or when the grass has the minimum available carbohydrate reserves (after flowering) is an effective control method. Follow-up spraying the next year may be necessary to eliminate the remaining grass. **Always follow label rates and instructions.**

Bohemian Knotweed/Japanese Knotweed Control –

- *Chemical Control:* Herbicide can be applied by foliar spray, wick wipe, cut and pour, or stem injection. **Always follow label rates and instructions.**

Care and Temporary Storage of Purchased Plant Material Upon receiving the plant material, where will you store it and how will you care for it?

All plant material should be stored in a cool location and well-watered prior to planting. In the case of bare root plants, inventory should be held in the source refrigerated facility as long as possible prior to planting. Bare root plants can be stored in the field for up to one to three weeks prior to planting by placing them in a shaded location where they will remain cool. Such a location should prevent freezing as well as exposure to warm temperatures. Additionally, bareroot inventory should be covered with a tarp to prevent drying. Bareroot stock that is expected to emerge from dormancy prior to planting should be "healed" into a soil bed. To heal-in, dig a v-shaped trench to a depth that accommodates covering the seedling roots when back-filled with soil.

Installation *Provide the following details: 1) Plant Installation Prescription: 2) Plant Protection Prescription: 3) Weed Suppression Prescription: 4) Erosion Control Prescription*

1) Plant Installation Prescription:

Bareroot Inventory: Bare root seedlings should be shovel planted to the same depth that they grew in the nursery fields. Roots will remain moist once they are removed from the shipping bundles until they are planted. Roots will be placed in a natural position in the soil without being crowded or turned up. Soil will be packed firmly around the root system, leaving no air pockets. Prior to digging a hole for the plant, prepare the planting location by removing all grass sod within a 1.5-foot diameter circle, being careful to remove roots as well as above ground grass. Dig a hole for the bare root plant in the center of this cleared circle. Refer also to the attached planting instructions in *Planting Bare Root Trees and Shrubs*.

Fencing *Is fencing going to be installed? If so, what type, who will install it and when?*

Yes, fencing will be installed in conjunction with this project and the farm plan.

Planting Project Maintenance and Monitoring *The planting must be inspected periodically and protected from damage so proper function is maintained. The goal for the project is to reach 80% survival after 3 years. Please describe the maintenance and monitoring plan.*

Contractor will maintain the project for 3-5 growing seasons which includes the control of invasive species.

Treatments must be inspected periodically and protected from damage so proper function is maintained and resource damage is minimized, including assessment of insects, disease and other pests, storm damage, and damage by trespass. The results of inspections shall determine the need for additional treatment under this practice.

Replace dead or dying trees and shrubs and control competing vegetation to support successful establishment. Periodic application of mulch may be needed to maintain plant vigor. Periodic harvest of trees and shrubs (thinning and brushing) may be necessary to maintain the health and vigor of the stand and support its development toward more mature stand conditions. Keep large dead and dying trees for cavity nesting wildlife and bird species and as a source of downed wood in the forest understory and in adjacent or interior aquatic habitats.

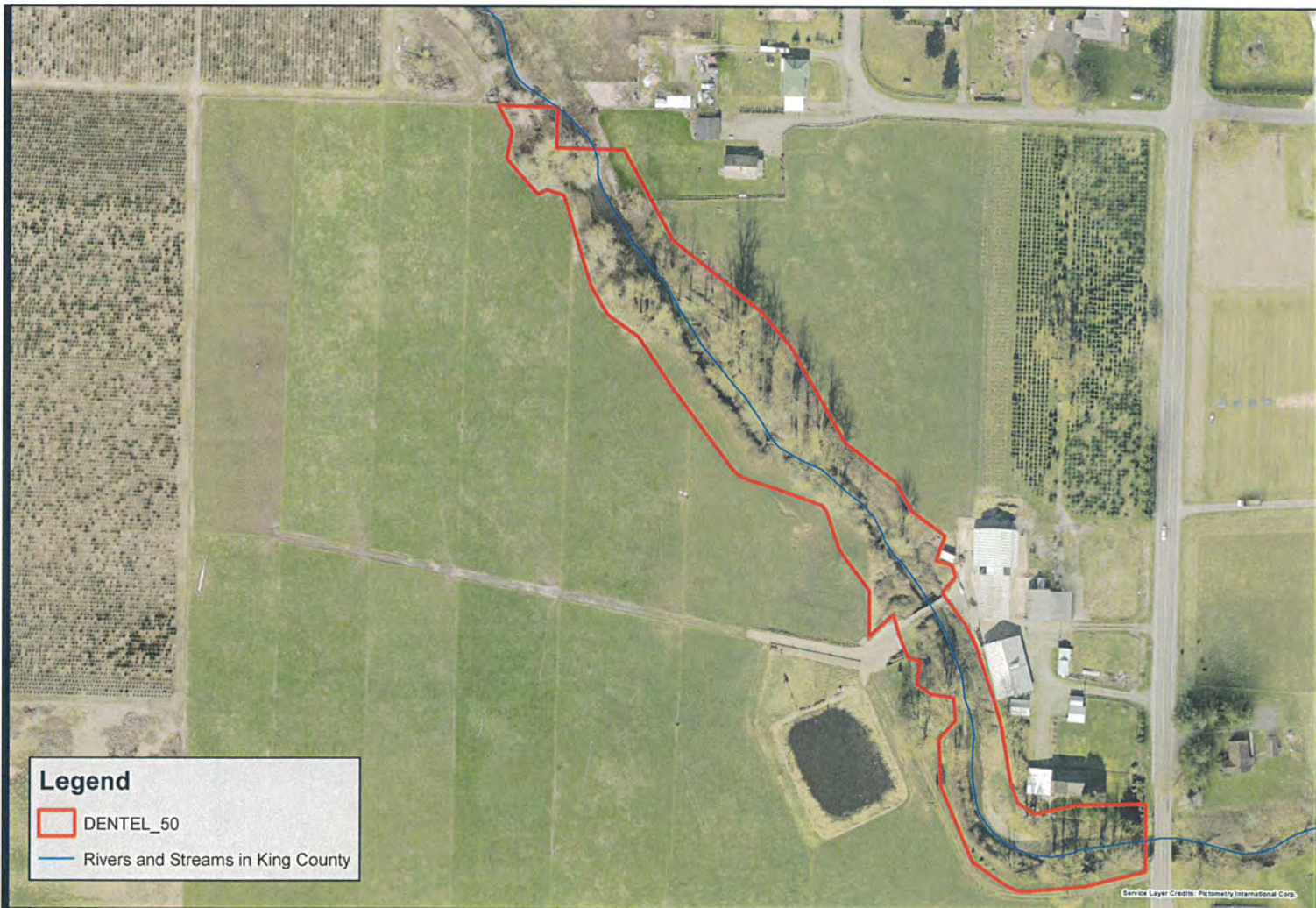
If areas were brushed in order to plant trees, maintain these openings until the leader of the tree surpasses the height of the surrounding vegetation.

Where droughty soils and hot growing conditions are anticipated, supplemental watering is recommended. In such cases the District recommends watering planted nursery stock for a minimum of 3 summers following planting. Young bare root, container, and ball/burlap plants have a reduced root system that hampers their ability to survive during the dry summer months (July through October). Watering a minimum of once every two weeks during the dry summer will promote greater rates of survival. Watering once per week is preferable.



Monitor treatment areas for re-growth of non-native/invasive species and control accordingly. Utilize weed control techniques prescribed in the Site Preparation section of the Job Sheet.

All plant protection materials as well as any other non-biodegradable materials installed on-site will be removed within the 3-5 year project maintenance window.

Additional Specifications and Notes:



Legend

-  DENTEL_50
-  Rivers and Streams in King County



DENTEL
38705 Veazie-Cumberland Rd
Enumclaw, WA 98022

1:2,000



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Miles

Zachary Bergen
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July 21, 2021



Planting Plan - Dentel

Project Description: The buffer will average 50 feet on both the east and west sides of the creek. The goal of this project is to reach a plant density of approximately 2400 stems per acre (4 feet on center). Through aerial photography and site visits it has been estimated that current densities are approximately 500 stems per acre. Therefore, to achieve the goal, 1900 stems per acre will be planted.

Planting Zones	Common Name	Scientific Name	LIP	Soil Moisture	Sun Exposure	Stock	Source
Mixed Riparian Forest 3.0 acres 5400 plants Full Sun Part Sun Dry Moist	Spiraea	Douglas spiraea	250	Moist/ Dry	Part Shade/Full Sun	Bareroot	
	Nootka Rose	Rosa nutkana	500	Moist/ Dry	Part Shade/Full Sun	Bareroot	
	Pacific Ninebark	Physocarpus capitatus	500	Wet/Moist	Full Sun	Bareroot	
	Mock Orange	Phyladelphus lewisii	250	Moist/ Dry	Part Shade/Full Sun	Bareroot	
	Ocean Spray	Holodiscus discolor	250	Moist/ Dry	Part Shade/Full Sun	Bareroot	
	Serviceberry	Amelanchier alnifolia	250	Moist/ Dry	Part Shade/Full Sun	Bareroot	
	Oregon grape	Mahonia aquafolium	250	Moist/ Dry	Part Shade/Full Sun	Bareroot	
	Sitka Willow	Salix sitchensis	250	Wet/Moist	Full Sun	Bareroot	
	Red Osier Dogwood	Cornus sericea	500	Wet/Moist	Full Sun/Part Shade	Bareroot	
	Black Hawthorn	Crataegus douglasii	300	Moist	Part Shade/Full Sun	Bareroot	
	Snowberry	Symphoricarpos albus	600	Moist/ Dry	Part Shade/ Shade	Bareroot	
	Salmonberry	Rubus spectabilis	250	Moist/ Dry	Part Shade/Full Sun	Bareroot	
	Thimbleberry	Rubus parviflorus	250	Moist/ Dry	Part Shade/Full Sun	Bareroot	
	Big Leaf Maple	Acer macrophyllum	200	Moist/ Dry	Full Sun	Bareroot	
	Red Alder	Alnus rubra	200	Moist	Part Shade/Full Sun	Bareroot	
	Grand Fir	Abies grandis	200	Moist/Dry	Part Shade/Full Sun	Bareroot	
	Douglas Fir	Pseudotsuga menziesii	200	Dry	Full Sun	Bareroot	
	Western Red Cedar	Thuja plicata	200	Wet/Moist	Full Shade/Part Sun	Bareroot	
			5400				

Project Implementation

Landowners: Katie Dentel
38705 Veazie-Cumberland Rd 98022
Parcel: 0620079033

Date: 07/13/2021

Landowner Objectives: The buffer will average 50 feet on both the east and west sides of the creek. The goal of this project is to reach a plant density of approximately 2400 stems per acre (4 feet on center). Through aerial photography and site visits it has been estimated that approximately 1800 planted stems per acre will achieve density goals.

Land Use: Agricultural			
Zones	Planned		Land Use Treatment/Conservation Practices
	Amount	Mo/Yr	
All Zones	3.5 acres	Late Summer/ Fall 2021 - Winter 2021	<p>Site Preparation – Restoration contractors will perform both chemical and mechanical prescriptions prior to plant installation. First, the crews will backpack spot or area spray all non-desirable vegetation including but not limited to Himalayan blackberry, reed canarygrass, and ivy. Precautions will be taken to prevent off target application and/ or drift including weather considerations and droplet size. Only, aquatically approved herbicide and surfactant formulations will be used and herbicide usage will be limited to glyphosate, triclopyr, or imazapyr. Glyphosate will be used on reed canarygrass and ivy, triclopyr will be used on Himalayan blackberry and other broadleaf species.</p> <p>Following chemical treatment, restoration contractors will hand mow/ cut all previously treated vegetation to a height of less than 18 inches. This will allow crews when planting to have better root to soil contact which is essential for survivability. A second spot spray may be required to get areas that were missed the first time or where there has been regrowth.</p>
All Zones	3 acres	Winter 2022	<p>Planting – Restoration contractors will install native trees and shrubs according to the planting plan which will specify species, densities and groupings. All plant material will be bareroot and will be sourced from local stock.</p>
All Zones	7 acres	Summers 2022-2027	<p>Maintenance - Treatments will be concentrated on those that promote plant establishment. Treatments will include ring sprays in the spring and spot spraying in the fall. Ring sprays are for water conservation and eliminate competition directly around the plant, preventing the establishment of non-desirable species which can climb on installed trees and shrubs as well as use limited resources needed for plant establishment. The maintenance phase of the project will be for three to five consecutive years.</p>

KING CONSERVATION DISTRICT LANDOWNER INCENTIVE PROGRAM
APPLICATION

Pre-Implementation Photo Points
DENTEL



Photo 1 - East side of creek, middle of project. looking SE towards crossing/barn.



Photo 2 - East side of creek, middle of project, looking NW toward property line.



Photo 3 - East side of creek, middle of project, looking E toward pasture.



Photo 4 - Middle of creek, middle of project, looking north, downstream



Photo 5 - Middle of creek, middle of project, looking S, upstream.



Photo 6 - West side of creek, middle of project, looking N toward property line.



Photo 7 - West side of creek, middle of project, looking north closer to buffer.



Photo 8 - West side of creek, on road, looking north, project scale.

King Conservation District Board of Supervisors Meeting 08/09/2021**Agenda Action Briefing/Report AI 21-****SUBJECT:**

Approve KCD Landowner Incentive Program cost-share application from Ken Allen, for a Buffer Fence, in the amount of \$14,580.00.

FISCAL IMPACT

The current balance of cost-share funding for KCD LIP 2021 is summarized in the following table:

2021 LIP Cost-share Available	\$257,688.42
Current Request	\$14,580.00
Balance Remaining	\$243,108.42

POLICY CONSIDERATION

This proposed cost-share contract has been vetted through a staff approval committee and meets NRCS standards for the applicable best management practice (BMP). The application has been advanced for due pass by the Board of Supervisors.

STAKEHOLDER INTERESTS

- District cooperators working with District farm management, forestry and aquatic area enhancement programs
- King CD Board members and staff
- NRCS

BACKGROUND

The Allen property is an approximately 11.26 acre farm of which 1,300 feet borders the Snoqualmie River. The owner is planning on opening a horse rehabilitation center as well as obtaining sheep. There is an existing fence along the Snoqualmie River that is falling down in areas and is not appropriate for the planned sheep and horses. The current buffer width is 35 - 100 feet wide and is mostly blackberry. There are two tributary streams the flow into the river, one on the north end and one on the south side. The south stream has the same poor fence and the north stream, and its surrounding wetland, is unfenced.

This project proposes to replace existing fence with a new fence totaling 1,620 feet with 8 foot pressure treated 6" X 6" post set into the ground approximately 3 feet. There will be 4 2" x 6" rails with offset electric wires. Replacement fence will mostly follow the existing fence location with a few areas that change to accommodate topography.

EFFECTIVE DATE

The cost-share award will become effective upon approval by the Board of Supervisors and the LIP contract will become effective upon signature by a Board representative.

RECOMMENDATION

Staff seeks Board approval of Landowner Incentive Program cost-share application from Ken Allen, for a Buffer Fence, in the amount of \$14,580.00.

MOTION

_____ Moved, _____ Seconded; Passed a motion to Approve KCD Landowner Incentive Program cost-share application from Ken Allen, for a Buffer Fence, in the amount of \$14,580.00.

KING CONSERVATION DISTRICT (KCD) LANDOWNER INCENTIVE PROGRAM APPLICATION

Section 1. Applicant (If applicant is not the landowner, then landowner must also sign the agreement)

Applicant Name: Ken Allen		Farm/Business Name:	
Mailing Address: 14120 W Snoqualmie Valley RdNE Duvall, WA 98019		Project Address: Same	
Phone (home):		Phone (work/mobile): 206-819-0624	
Email Address: studio_a@mac.com, ken@cre8contr		KCD Staff: Mirro	
Parcel #(s): 232606-9006	<input type="checkbox"/> Incorporated <input checked="" type="checkbox"/> Unincorporated	Total Farm/Land Acreage:	<input type="checkbox"/> T.A. <input checked="" type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Would you like to be added to our newsletter list?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Section 2. Project Information

Best Management Practice (BMP): Buffer Fencing
Project Completion Date (month and year): August 2022
<p>Current Site Conditions (Provide a brief summary of resource management problem addressed by BMP; also note if streams, wetlands, and steep slopes are near or within the project area):</p> <p>There is an existing fence along the Snoqualmie River that is falling down in areas and is not appropriate for the planned sheep and horses. The property has 1300 feet of river bank. The current buffer width is 35 - 100 feet wide and is mostly blackberry. There are two tributary streams the flow into the River, one on the north end and one on the south side. The south stream has the same poor fence and the north stream, and its surrounding wetland, is unfenced.</p>
<p>Project Details (Provide a brief summary of the project. Include acres treated, length of fence, dimensions of compost bin, types and numbers of plants, etc.):</p> <p>Plans are to replace the existing fence with a new fence. The total footage will be 1620 feet. 8 foot pressure treated 6" x 6" post will be set in the ground about 3 feet. There will be 4 2" x 6" rails with offset electric wires. Replacement fence will mostly follow the existing fence location with a few areas that change to accommodate topography. The landowner will be meeting with KCD CREP, Zachary Bergen to discuss a potential CREP project.</p>
<p>Maintenance Plan (Summarize your plan to maintain the practice. Include frequency and scope of inspections, repairs anticipated, etc.):</p> <p>Fence will be monitored annual and repaired as needed.</p>

Permits <i>(List all permits required to complete this project):</i> None
Photos: Before photos must be submitted with this application.

Section 3. Cost-share Programs

- A. Have you previously applied for cost-share through the KCD Landowner Incentive Program (LIP)? ☐ Yes ☒ No
 If yes, please list contract number and BMP below:

- B. Are you applying for (or received) funding (cost-share or grants) through other agencies or programs? ☐ Yes ☒ No
 Please describe below:

1. **King County Cost-share**

Please list practices and date installed below:

2. **NRCS EQIP (Natural Resources Conservation Service's Environmental Quality Incentive Program)**

Please list practices and date installed below:

3. **Other**

Please list agency and describe project:

Other Cost-Share History/Notes:

Section 4. Budget (attached as Exhibit A)

The cost-share application budget is the applicant's statement for how the KCD cost-share funds will be spent. Use the attached Excel document to detail the budget for the project. Reimbursement values are restricted by unit maximums as well as practice maximums. KCD will be unable to provide a budget that exceeds either maximum. The cost differential for practices installed at a higher standard or cost shall be the responsibility of the applicant. In cases where a budget for a cost-share award needs to be updated, submit a budget revision request for approval. In the absence of an approved budget revision, the cost differential shall be the responsibility of the applicant. Furthermore, receiving financial assistance for an approved Best Management Practices will be subject to inspection by KCD planners. Approval for reimbursement will be based on the satisfactory completion of the project to the minimum specifications detailed in this application.

Partial reimbursements are available on a limited basis and must be requested in advance. They will only be considered when the installation of a project can be phased to achieve the standard described in the attached job sheet when reimbursement is requested.

- ☐ Select this box if you intend to request partial reimbursement as the project is installed.

Section 5. Education and Outreach

KCD encourages public education through demonstration projects. Demonstration projects are used to educate other landowners about innovative ways to address natural resource concerns. A demonstration project may be showcased in a guided tour, or featured in presentations or written fact sheets.

- Will you consider becoming a demonstration project?

☐ Yes ☐ No

Section 6. Maintenance and Monitoring Expectations

The applicant is responsible to maintain the Best Management Practice (BMP) to standard as detailed in the attached Job Sheet for the lifetime of the BMP.

- ☐ A. I understand the lifetime of the BMP is 20 years.
- ☐ B. I understand KCD will work with me to verify proper maintenance of the installed BMP, which will include a combination of site visits with KCD staff and/or annual photo documentation submitted by me for the lifetime listed in Section 7A.
- ☐ C. I understand I am obligated to maintain and monitor the BMP for the lifetime listed in Section 6A.

Section 7. Application and Agreement

I request financial assistance (cost-share) under the KCD LIP to install the Best Management Practice (BMP) described in this application and detailed in the attached *Job Sheet and Map*. This practice is needed to solve the natural resource problems described in Section 2 of this application. This Agreement expires if the project is not completed by the specified completion date in Section 2 or in an approved timeline revision request. _____ (Initial Here)

I agree to ensure that all applicable local, state, and federal permits are obtained for installation of the BMP for which funds are requested. Furthermore, I understand that KCD must receive a copy of any applicable permit to process my cost-share reimbursement. _____ (Initial Here)

I agree to work cooperatively with KCD to ensure the funded BMP is maintained consistent with the design life identified in the attached Job Sheet and in Section 6 of this application. _____ (Initial Here)

I agree to indemnify, defend, and hold harmless KCD, its elected or appointed officials, employees and agents, from all claims, alleged liability, damages, losses to or death of person or damage to property allegedly resulting from the negligent or intentional acts of the applicant or any of its employees, agents, contractors or subcontractors in connection with this Agreement. _____ (Initial Here)

I represent that the information provided in Section 3 of this application is a full disclosure of all other natural resource financial cost-share relationships in which I have or am participating. Furthermore, I agree to disclose if I am applying for or receive funding (cost-share or grants) for the BMP described in this application through other agencies or programs and to provide KCD with written documentation detailing this funding support. This may include copies of reimbursement checks or letters showing value of provided contribution. I understand that I must provide proof of reimbursement for alternate funding prior to receiving reimbursement through the KCD LIP. I acknowledge that KCD LIP funds cannot be used in combination with other funding sources to exceed 100% of project costs. I agree to allow communication between KCD and any other agency regarding the details of the project as well as funding details. _____ (Initial Here)

I understand that LIP cost-share reimbursement is contingent upon installing the BMP to the minimum standard provided by KCD, and that KCD will verify standard compliance. Furthermore, I understand that changes to the installation details (attached *Job Sheet and Map*) must be approved through a *Scope of Work Revision Process*. Unapproved changes will not be eligible for reimbursement. _____ (Initial Here)

I understand that there may be federal tax liability associated with a LIP cost-share reimbursement, and that KCD will issue a 1099-G for reimbursements made through the LIP. Furthermore, I understand that KCD cannot provide advice with respect to the tax liability associated with LIP cost-share reimbursements and that I have been advised to consult with my own tax professional.

_____ (Initial Here)

I understand that I am applying for public funding and am responsible for notifying a buyer upon sale or loss of the property of the installed BMP. If I sell or lose control of the property covered by this Agreement and the new owner or transferee does not assume responsibility for maintaining the installed BMP as required by this Agreement, I may be required to refund all or a portion of the cost-share received through this Agreement. In the event of litigation arising from or related to this Agreement, attorney's fees and costs incurred by the prevailing party shall be paid by the non-prevailing party. _____ (Initial Here)

I give permission to KCD to photograph my property to document the site conditions and/or the implementation and maintenance of the funded practice. In the event that I or any of my family members or dependents choose to be photographed in a setting that reflects the assistance provided by KCD, I give KCD permission to publish such photographs in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. _____ (Initial Here)

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. _____ (Initial Here)

I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: _____ (Initial Here)

- a. The KCD funded BMP fails within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable). *Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.).*
- b. I relinquish or lose ownership of equipment purchased with KCD cost-share.
- c. The KCD funded BMP is not being used for the intended purpose (e.g. cross fencing purchased with KCD funding, but no animals on property).
- d. I cancel 2 cost-share contracts awarded through the KCD Landowner Incentive Program.
- e. I deny KCD staff access to my property to verify BMP installation and maintenance.

I understand KCD will provide a sign free of charge after completion of a project, and I agree that: _____ (Initial Here)

- a. I will select a visible location on my property for display of the sign and will install it.
- b. I will maintain the sign and keep it free of visual barriers for at least five years after installation.
- c. I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Ken Allen

Signature of applicant

Date

Signature of Landowner (if applicant is Lessee)

Date

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)	Date	
Approved for Funding (KCD Management)	Date	LIP ID:

\$14,580.00

BMPs	Units	cost/unit	%	reimbursement rate	
Animal Trails & Walkways	sq ft	\$ 0.75	0.5	\$ 0.38	Ac.
Aquatic Area Buffer	project	\$ 30,000.00	0.9	\$ 27,000.00	AUE
Buffer Fencing	ft	\$ 12.00	0.75	\$ 9.00	Ft.
Building Relocation for Aquatic Area/Buffer	project	\$ 50,000.00	0.5	\$ 25,000.00	Sq. Ft.
Bulkhead Removal (Freshwater, Marine)	project	\$ 50,000.00	0.75	\$ 37,500.00	Project
Cover Crops	acre	\$ 150.00	0.9	\$ 135.00	
Cross Fencing	ft	\$ 6.00	0.5	\$ 3.00	
Forest Health Management	project	\$ 30,000.00	0.75	\$ 22,500.00	
Heavy Use Area Protection	AUE	\$ 1,400.00	0.5	\$ 700.00	
Pasture & Hay Planting	acre	\$ 325.00	0.5	\$ 162.50	
Roof Runoff Management	ft	\$ 7.00	0.5	\$ 3.50	
Stream Crossing	ft	\$ 1,100.00	0.75	\$ 825.00	
Subsurface Drain	ft	\$ 20.00	0.5	\$ 10.00	
Upland Wildlife Habitat Management	project	\$ 20,000.00	0.75	\$ 15,000.00	
Waste Storage Facility	AUE	\$ 1,000.00	0.75	\$ 750.00	
Watering Facility	project	\$ 50,000.00	0.5	\$ 25,000.00	



Local Food
Healthy Forests
Clean Water
Better Ground

Job Sheet

Fencing

Cooperator: Allen	Lifetime of Practice: 20 years
-------------------	--------------------------------

Purpose		
<input type="checkbox"/> Divide pasture for rotational grazing.	<input checked="" type="checkbox"/> Fence livestock out of a riparian area.	<input type="checkbox"/> Perimeter fencing.
<input type="checkbox"/> Heavy use area fence.	<input type="checkbox"/> Animal trail fencing.	

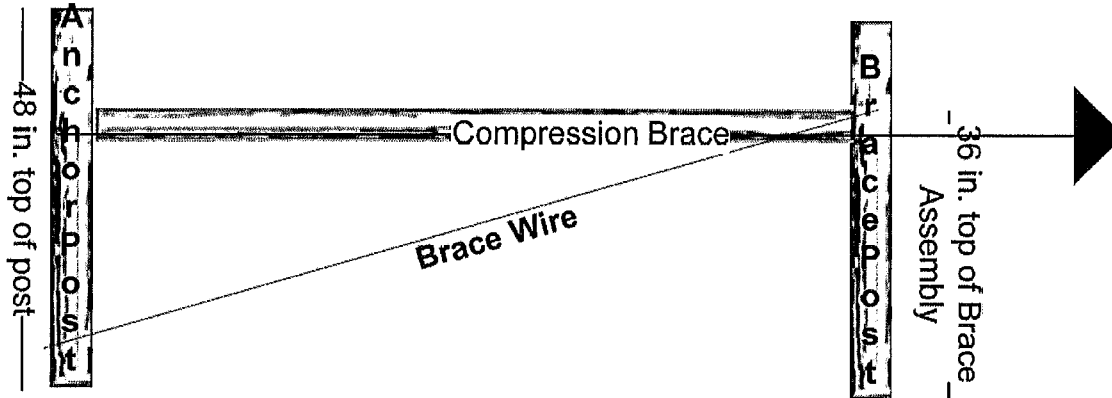
Type of fencing material to be used <i>[please include animal type(s)]</i>
Horses and sheep. Pressure treated 6"x6" posts with 4 2"x6" rails, with off set electric fence.

Length of Fence
Buffer: 1620 feet

Operation and Maintenance
<ul style="list-style-type: none"> • Regularly inspect fences for damage and natural wear as part of an on-going management system. • Maintenance and repairs will be performed as needed to facilitate the intended use of the installed fence. • Fence repairs should be made with materials that equal or exceed the quality of the original materials. • Electric fences need to be inspected periodically to remove grasses and tree limbs that are touching the wire.

Additional Specifications and Notes:
<p><i>Note: LIP fences must be constructed to a 20-year lifetime standard. KCD will require maintenance inspections for the 5-year lifespan of the Pasture and Forage Health Management practice.</i></p> <p>H-Brace</p> <p>H-Brace shall be constructed on segment ends, locations to support gates and corners with angles larger than 20°. Angles between 20° and 60° require a 4-post, double H-brace that does not share a common post. Corners with angles over 60° can use a 3-post double H-Brace. H-brace anchor and brace posts shall be treated wood, minimum 5" to 6" diameter, 8' long, and set 3' into the ground. Concrete is not required. Tamp</p>

to compact backfill soil around post in 4" lifts. Compression post shall be treated wood post, minimum 4" to 5" diameter and at least 8' long. Connect via brace pin or 12" galvanized nail. It is recommended not to notch wood, as this reduces structural integrity. Brace wire shall be two loops of 9-gauge smooth wire or 12.5-gauge high-tensile wire. Twist brace wire with twitch stick or use line strainer or L-shape joint clamp to add tension to H-brace. Wire shall be installed from the bottom of the anchor post to the top of the brace post.



Woven Wire

Inline posts shall be treated wood posts, minimum 3.5" diameter, at least 6' long and set a minimum of 24" deep into the ground. Standard T-posts may be used as line posts; T-posts must be at least 1.25 pounds per foot exclusive of anchor plates, a minimum of 5.5' tall, and set 18" deep; T-posts must be galvanized or painted. Posts shall be spaced a maximum of 15' apart. If metal posts are used, substitute a minimum 3.5" diameter treated wood posts every 50' to 75'. For long runs of fence, install H-braces every 330'. Follow details in fence standard for stapling of wire into post. See standard for more details about H-braces.

Top and bottom wires should be 10 gauge, with 12.5 gauge intermediate and stay wires. Fence should be at least 4' high with wire spacing not more than 6" apart in standard woven wire fence or not greater than 2" by 4" spacing in no-climb fencing.

Barbed Wire, Smooth Wire, or Similar

Install a combination of wooden and metal line posts. Use pressure-treated wood posts on segment ends, at gates, and every 50' to 75' as line posts. Wood posts must be at least 6' long and set a minimum of 24" deep. Standard T-posts may be used as line posts; T-posts must be at least 1.25 pounds per foot exclusive of anchor plates, a minimum of 5.5', and set 18" deep; T-posts must be galvanized or painted. For long runs of fence, install H-braces every 330'.

Four-strand fences may have a maximum line post interval of 20' without stays, 25' with one stay mid-way between line posts, or 30' with two stays at equal intervals between posts. Stays must be wood and at least 2.5" in diameter. Stays must be at least 2" taller than the fence height.

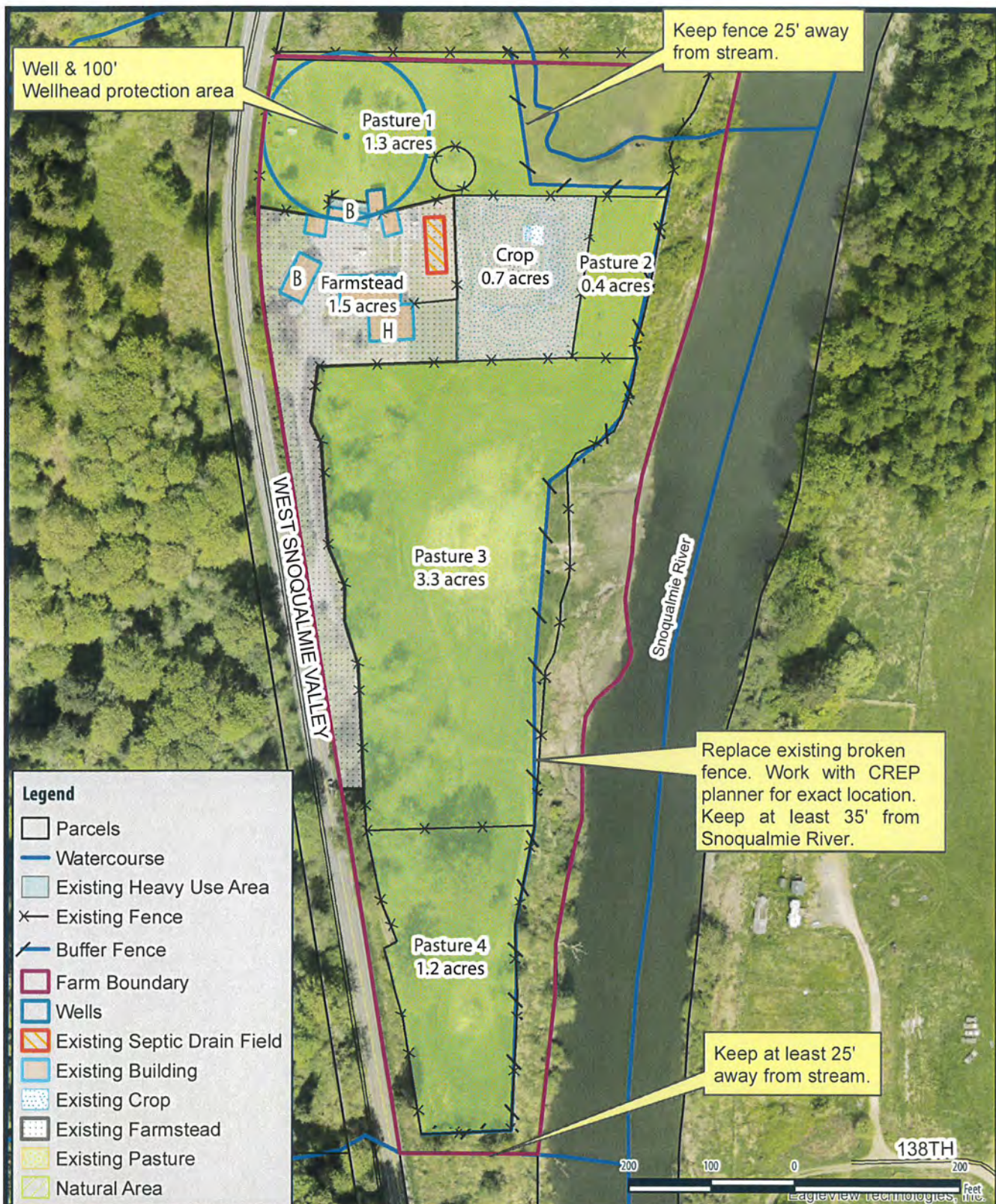
Use standard galvanized double strand barbed wire, a minimum size of 12.5 gauge with 14 gauge or heavier two-point barbs spaced not more than 5" apart. Strand breaking strength must be at least 950 pounds or 70,000 pounds per square inch.

Set wires at above ground heights of 14", 22", 32", and 42".

Post and Rail

Install 4" by 6" pressure-treated wood posts, set 2.5' to 3' into the ground. Concrete is not required. Tamp to compact backfill soil around post in 4" lifts. Posts shall be spaced 8' to 10' on center. Connect posts with at

least three 2" by 6" pressure-treated wood rails. Galvanized screws are ideal to prevent boards from being pushed out.



Landowner Name: **Ken Allen**

Address: **14120 West Snoqualmie Valley Rd NE**
Duvall, WA 98019

Acres: **11.3**

Parcel #(s): **232606-9006**

Map Type: **Farm Map**

KCD Staff Name: **Jay Mirro**

Map Date: **July 15, 2021**

Directional: **NW**

Section: **23**

Township: **26**

Range: **06**



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Document Path: K:\GIS Data\KCD GIS Data\GIS\KCD\Products\Farm Maps\Map\232606-9006\Farm Map_7/15/2021.mxd



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**King Conservation District Board of Supervisors Meeting 08/09/2021
Agenda Action Briefing/Report AI 21-**

SUBJECT:

Approve KCD Landowner Incentive Program cost-share budget revision request from Richard Deglman, for Forest Health Management, in the amount of \$2,775.00.

FISCAL IMPACT

The current balance of cost-share funding for KCD LIP 2021 is summarized in the following table:

2021 LIP Cost-share Available	\$287,328.42
Current Request	\$ 2,775.00
Balance Remaining	\$284,553.42

The difference in the original and proposed LIP cost-share award for this project is summarized in the following table:

Original Cost-Share Award	\$ 15,534.00
Revised Cost-Share Award	\$ 18,309.00

POLICY CONSIDERATION

This proposed Scope of Work and Budget Revision Requests have been vetted through a staff approval committee and meets NRCS standards for the applicable best management practice (BMP). The application has been advanced for due pass by the Board of Supervisors.

STAKEHOLDER INTERESTS

- District cooperators working with District farm management, forestry and aquatic area enhancement programs
- King CD Board members and staff

BACKGROUND

Richard and Carol Deglman have an open LIP Contract for a Forest Health Management practice on their 9.66 acres, 4.89 acres of which will receive treatment through this forest health management practice. The forest has high understory vegetation density, but also contains a moderate level of invasive species presence, including large patches where Himalayan blackberry is mixed in with native understory vegetation. English holly and English ivy are also present at low levels, primarily in the northern portion of the forest and a patch of yellow archangel is present in the southwest corner of the property.

This forestry project will focus on treatment of invasive species and replanting with a total of 230 native trees and 150 native shrubs where needed. Light thinning of suppressed or declining red alder and bigleaf maple will also occur in areas where stocking levels are too high and trees are competing with one another or are showing signs of decreased vigor such as broken tops and branches, thinning foliage, and decreased live crown ratios. Due to consistent presence of elk on their property, it was determined to purchase more mature trees than seedlings as they would have a higher likelihood of withstanding browse pressure as well as rub, promoting the success of the practice. Additionally, it is expected to potentially keep the budget at a lower level in the long term as there will be less likelihood of having to replant due to low survival rates of seedlings.

King Conservation District Board of Supervisors Meeting 08/09/2021
Agenda Action Briefing/Report AI 21-

A copy of the original signed contract is attached along with the proposed revised budget sheet and Budget Revision Request form.

EFFECTIVE DATE

The cost-share award will become effective upon approval by the Board of Supervisors and the LIP contract will become effective upon signature by a Board representative.

RECOMMENDATION

Staff seeks Board approval of Landowner Incentive Program cost-share budget revision request from Richard Deglman, for Forest Health Management, in the amount of \$2,775.00.

MOTION

_____ Moved, _____ Seconded; Passed a motion to Approve KCD Landowner Incentive Program cost-share scope of work and budget revision request from Richard Deglman, for Forest Health Management, in the amount of \$2,775.00.



Landowner Incentive Program Request for Budget Revision

Name:	Richard Deglman
Address:	43815 SE 76th St, Snoqualmie, WA 98065
Phone:	702-538-0768
Funded Practice:	Forest Health Management
LIP ID:	2019-02
Revision Request No:	

Why will your project require a budget revision?

Larger planting stock was planted than was originally budgeted for due to expected elk pressure on seedlings. Larger seedlings will have a greater chance of survival and can tolerate greater browse/rub damage than smaller seedlings.

What was the original approved budget and what is your new proposed budget? Please provide the project total and the amount eligible for reimbursement for the original and new proposed budget.

Original Budget:

Project total: \$20,712
Reimbursable: \$15,534

New Proposed Budget:

Total: \$24,412
Reimbursable: \$18,309

Please attach the Excel files of your approved budget and new proposed budget

Signature of Applicant

Date

6/25/2021

FOR OFFICE USE

Approval Signature

Date

LIP ID



Landowner Incentive Program Applicant Budget

Cooperator: Deglman

Budget Items	Units	Cost
Project area invasive species treatment (also includes Zone E treatment)	4.89 acres	\$2,550.00
Zone A treatment and planting	0.35 acres	\$4,390.00
Zone B treatment and planting	0.12 acres	\$550.00
Zone C treatment and planting	1.21 acres	\$7,120.00
Zone D treatment and planting	0.71 acres	\$4,602.00
Three years maintenance and monitoring	4.89 acres	\$5,200.00
Machinery Rental (not personally owned equipment)		\$0.00
	Subtotal	\$24,412.00

In-Kind Labor/Machinery	# hours	Cost
Manual labor		\$ -
Person with power equipment (i.e. chainsaw)		\$ -
Small Tractor (up to 40 hp)		\$ -
Medium Tractor (40-70 hp)		\$ -
Large Tractor (71 or above hp)		\$ -
Excavator (up to 100 hp)		\$ -
Excavator (over 100 hp)		\$ -
D-4 Cat or equivalent		\$ -
D-6 Cat or equivalent		\$ -
D-7 Cat or equivalent		\$ -
Backhoe		\$ -
Truck (under 2 tons)		\$ -
Truck (2 tons or over)		\$ -
Bobcat		\$ -
4-wheeler or side-by-side		\$ -
Subtotal	0.00	\$ -

Project Totals		
Total Cost (Budget Items + In Kind Labor/Machinery)		\$ 24,412.00
Units	Project	1.00
Cost/Unit		\$ 24,412.00

Conservation Practice	select BMP (x)	Cost Share Am
Animal Trails & Walkways		
Aquatic Area Buffer		
Aquatic Area Buffer (WCC)		
Buffer Fencing		
Building Relocation for Aquatic Area/Buffer		
Bulkhead Removal (Freshwater, Marine)		
Cover Crops		
Cross Fencing		
Forest Health Management	x	\$ 18,309.00
Heavy Use Area Protection		
Pasture & Hay Planting		
Roof Runoff Management		
Stream Crossing		
Subsurface Drain		
Upland Wildlife Habitat Management		
Waste Storage Facility		
Watering Facility		

Amount eligible for reimbursement
(based on 2015 rates)

\$18,309.00

BMPs	Units	cost/unit	%	reimbursement rate	
Animal Trails & Walkways	sq ft	\$ 0.75	0.5	\$ 0.38	Ac.
Aquatic Area Buffer	project	\$ 30,000.00	0.9	\$ 27,000.00	AUE
Buffer Fencing	ft	\$ 5.00	0.75	\$ 3.75	Ft.
Building Relocation for Aquatic Area/Buffer	project	\$ 50,000.00	0.5	\$ 25,000.00	Sq. Ft.
Bulkhead Removal (Freshwater, Marine)	project	\$ 50,000.00	0.75	\$ 37,500.00	Project
Cover Crops	acre	\$ 150.00	0.9	\$ 135.00	
Cross Fencing	ft	\$ 3.00	0.5	\$ 1.50	
Forest Health Management	project	\$ 30,000.00	0.75	\$ 22,500.00	
Heavy Use Area Protection	AUE	\$ 1,400.00	0.5	\$ 700.00	
Pasture & Hay Planting	acre	\$ 325.00	0.5	\$ 162.50	
Roof Runoff Management	ft	\$ 7.00	0.5	\$ 3.50	
Stream Crossing	ft	\$ 1,100.00	0.75	\$ 825.00	
Subsurface Drain	ft	\$ 20.00	0.5	\$ 10.00	
Upland Wildlife Habitat Management	project	\$ 20,000.00	0.75	\$ 15,000.00	
Waste Storage Facility	AUE	\$ 1,000.00	0.75	\$ 750.00	
Watering Facility	project	\$ 50,000.00	0.5	\$ 25,000.00	



King Conservation District

800 SW 39th St, Suite 150 • Renton, WA 98057 • Phone (425) 282-1900 • Fax (425) 282-1898 • www.kingcd.org

February 22, 2019

Richard and Carol Deglman

Dear Richard and Carol,

On behalf of the King CD, I am pleased to notify you that your request for cost-share assistance through the *King Conservation District Landowner Incentive Program* has been approved. Your approved application will serve as your cost-share contract with the District. A summary of your award follows.

☒ Approved Practice: Forest Health Management (*All work must meet the approved practice standards to receive cost-share reimbursement.*)

☒ Project Completion Date: 12/31/2022 (*You may request an extension if you are unable to complete your work by this date.*)

☒ Project Budget:

Project Total	\$20,712.00
Maximum Approved Practice Reimbursement	\$15,534.00

☒ LIP Contract ID: 2019-02 (Deglman, R)

You may begin installation of your practice as outlined in your application. Please keep in mind that it is your responsibility to obtain all permits needed to complete your project. Also, note that the District must receive copies of all applicable permits as well as inspect your installed project prior to releasing cost-share reimbursement. Once you have completed your project, simply submit a request for reimbursement with copies of all receipts. At that time, we will schedule a site visit to inspect your project.

The District has been advised that the money received through LIP is considered reportable income by the IRS. For the District to prepare a 1099 to use in association with the taxes of the year you are reimbursed, you need to fill out and return the enclosed W-9. We will not reimburse without receiving this completed document. This policy is recent and will apply to current and future projects.

Should you have follow-up questions or if you intend to make changes to your approved practice, please contact me at (425) 282-1908 or laura.redmond@kingcd.org; or Brett Anderson, your forestry planner, at (425) 282-1953 or Brett.Anderson@kingcd.org.

Sincerely,

Laura Redmond

Landowner Incentive Program (LIP) Coordinator

Enclosures (4) Approved Application, Request for Reimbursement, In-kind Tracking Forms, and W-9

5

6

KING CONSERVATION DISTRICT (KCD) LANDOWNER INCENTIVE PROGRAM APPLICATION

Section 1. Applicant (If applicant is not the landowner, then landowner must also sign the agreement)

Applicant Name: Richard and Carol Deglman		Farm/Business Name: N/A	
Mailing Address: 43815 SE 76th Street Snoqualmie, WA 98065		Project Address: 43815 SE 76th Street Snoqualmie, WA 98065	
Phone (home):		Phone (work/mobile): 702-538-0768	
Email Address: r.deglman@yahoo.com		KCD Staff: Brett Anderson	
Parcel #(s): 2624089011	<input type="checkbox"/> Incorporated <input checked="" type="checkbox"/> Unincorporated	Total Farm/Land Acreage: 9.66 acres	<input type="checkbox"/> T.A. <input type="checkbox"/> Farm Plan <input checked="" type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Would you like to be added to our newsletter list?	<input type="checkbox"/> Yes <input type="checkbox"/> No

Section 2. Project Information

Best Management Practice (BMP): Forest Health Management
Project Completion Date (month and year): December 2022
<p>Current Site Conditions (Provide a brief summary of resource management problem addressed by BMP; also note if streams, wetlands, and steep slopes are near or within the project area):</p> <p>This property is 9.66 acres, 4.89 of which is forested and will receive treatment through this forest health management project. The rest of the property contains the homesite, access driveway, landscaping, lawn, additional native forest cover not being treated due to concerns expressed by the landowners regarding their physical and financial ability to maintain this practice for the full 15-year lifetime. The only soil type present is Edgewick silt loam, 0-3% slopes. The canopy consists of mature Sitka spruce, bigleaf maple, Douglas-fir, and western redcedar, with high understory vegetation density in most of the forest. Understory species include salmonberry, vine maple, beaked hazelnut, and Indian plum. Overall forest health is good, with high vigor of overstory species and a diverse native understory. Invasive species presence in the understory is moderate, with</p>
<p>Project Details (Provide a brief summary of the project. Include acres treated, length of fence, dimensions of compost bin, types and numbers of plants, etc.):</p> <p>This project will focus mainly on treatment of invasive species and replanting with a total of 230 native trees and 150 native shrubs where needed. Tree species to plant include white pine (if available), Sitka spruce, western hemlock, western redcedar, and grand fir. Shrub species to plant include red and evergreen huckleberry, vine maple, tall Oregon grape, serviceberry, Indian plum, and salal. Light thinning of suppressed or declining red alder and bigleaf maple will also occur in areas where stocking levels are too high and trees are competing with one another or are showing signs of decreased vigor such as broken tops and branches, thinning foliage, and decreased live crown ratios.</p>
<p>Maintenance Plan (Summarize your plan to maintain the practice. Include frequency and scope of inspections, repairs anticipated, etc.):</p> <p>The contractor will provide maintenance of this project for the first three years after project installation (2020, 2021, 2022). Maintenance for the remaining 12 years of this practice lifetime is the responsibility of the landowner.</p>

Permits (List all permits required to complete this project):

All practices are included in an approved forest stewardship plan, so no permits will be needed for this project.

Photos: KCD Resource Planner must submit before photos with this application.

Section 3. Cost-share Programs

A. Have you previously applied for cost-share through the KCD Landowner Incentive Program (LIP)?

☐ Yes ☐ No

If yes, please list contract number and BMP below:

B. Are you applying for (or received) funding (cost-share or grants) through other agencies or programs?
Please describe below:

☐ Yes ☐ No

1. King County Cost-share

Please list practices and date installed below:

2. NRCS EQIP (Natural Resources Conservation Service's Environmental Quality Incentive Program)

Please list practices and date installed below:

3. Other

Please list agency and describe project:

Other Cost-Share History/Notes:

Section 4. Budget (attached as Exhibit A)

The cost-share application budget is the applicant's statement for how the KCD cost-share funds will be spent. Use the attached Excel document to detail the budget for the project. Reimbursement values are restricted by unit maximums as well as practice maximums. KCD will be unable to provide a budget that exceeds either maximum. The cost differential for practices installed at a higher standard or cost shall be the responsibility of the applicant. In cases where a budget for a cost-share award needs to be updated, submit a budget revision request for approval. In the absence of an approved budget revision, the cost differential shall be the responsibility of the applicant. Furthermore, receiving financial assistance for an approved Best Management Practices will be subject to inspection by KCD planners. Approval for reimbursement will be based on the satisfactory completion of the project to the minimum specifications detailed in this application.

Partial reimbursements are available on a limited basis and must be requested in advance. They will only be considered when the installation of a project can be phased to achieve the standard described in the attached job sheet when reimbursement is requested.

☒ Select this box if you intend to request partial reimbursement as the project is installed.

Section 5. Education and Outreach

KCD encourages public education through demonstration projects. Demonstration projects are used to educate other landowners about innovative ways to address natural resource concerns. A demonstration project may be showcased in a guided tour, or featured in presentations or written fact sheets.

A. Will you consider becoming a demonstration project?

☐ Yes ☒ No

Section 6. Maintenance and Monitoring Expectations

The applicant is responsible to maintain the Best Management Practice (BMP) to standard as detailed in the attached Job Sheet for the lifetime of the BMP.

- ☒ A. I understand the lifetime of the BMP is 15 years.
- ☒ B. I understand KCD will work with me to verify proper maintenance of the installed BMP, which will include a combination of site visits with KCD staff and/or annual photo documentation submitted by me for the lifetime listed in Section 6A.
- ☒ C. I understand I am obligated to maintain and monitor the BMP for the lifetime listed in Section 6A.

Section 7. Application and Agreement

I request financial assistance (cost-share) under the KCD LIP to install the Best Management Practice (BMP) described in this application and detailed in the attached *Job Sheet and Map*. This practice is needed to solve the natural resource problems described in Section 2 of this application. This Agreement expires if the project is not completed by the specified completion date in Section 2 or in an approved timeline revision request. RS CD (Initial Here)

I agree to ensure that all applicable local, state, and federal permits are obtained for installation of the BMP for which funds are requested. Furthermore, I understand that KCD must receive a copy of any applicable permit to process my cost-share reimbursement. RS CD (Initial Here)

I agree to work cooperatively with KCD to ensure the funded BMP is maintained consistent with the design life identified in the attached Job Sheet and in Section 6 of this application. RS CD (Initial Here)

I agree to indemnify, defend, and hold harmless KCD, its elected or appointed officials, employees and agents, from all claims, alleged liability, damages, losses to or death of person or damage to property allegedly resulting from the negligent or intentional acts of the applicant or any of its employees, agents, contractors or subcontractors in connection with this Agreement. RS CD (Initial Here)

I represent that the information provided in Section 3 of this application is a full disclosure of all other natural resource financial cost-share relationships in which I have or am participating. RS CD (Initial Here)

I understand that LIP cost-share reimbursement is contingent upon installing the BMP to the minimum standard provided by KCD, and that KCD will verify standard compliance. Furthermore, I understand that changes to the installation details (attached *Job Sheet and Map*) must be approved through a *Scope of Work Revision Process*. Unapproved changes will not be eligible for reimbursement. RS CD (Initial Here)

I understand that there may be federal tax liability associated with a LIP cost-share reimbursement, and that KCD will issue a 1099-G for reimbursements made through the LIP. Furthermore, I understand that KCD cannot provide advice with respect to the tax liability associated with LIP cost-share reimbursements and that I have been advised to consult with my own tax professional. RS CD (Initial Here)

I understand that I am applying for public funding and am responsible for notifying a buyer upon sale or loss of the property of the installed BMP. If I sell or lose control of the property covered by this Agreement and the new owner or transferee does not assume responsibility for maintaining the installed BMP as required by this Agreement, I may be required to refund all or a portion of the cost-share received through this Agreement. In the event of litigation arising from or related to this Agreement, attorney's fees and costs incurred by the prevailing party shall be paid by the non-prevailing party. RS CD (Initial Here)

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. [Signature] (Initial Here)

I give permission to KCD to photograph me or my dependents in a setting that reflects the assistance that KCD has provided me. I also give KCD permission to publish one or more photographs of me in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. [Signature] (Initial Here)

I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: [Signature] (Initial Here)

- a. The KCD funded BMP fails within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable). *Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.)*
- b. I relinquish or lose ownership of equipment purchased with KCD cost-share.
- c. The KCD funded BMP is not being used for the intended purpose (e.g. cross fencing purchased with KCD funding, but no animals on property).
- d. I cancel 2 cost-share contracts awarded through the KCD Landowner Incentive Program.
- e. I deny KCD staff access to my property to verify BMP installation and maintenance.

I understand KCD will provide a sign free of charge after completion of a project, and I agree that: [Signature] (Initial Here)

- a. I will select a visible location on my property for display of the sign and will install it.
- b. I will maintain the sign and keep it free of visual barriers for at least five years after installation.
- c. I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Richard and Carol Deglman

[Signature] 02/04/19
Signature of applicant

Date

Carol Deglman 2/4/19
Signature of Landowner (If applicant is Lessee)

Date

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)

Date

Approved for Funding (KCD Management)

Date

LIP ID:

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. RCW (Initial Here)

I give permission to KCD to photograph me or my dependents in a setting that reflects the assistance that KCD has provided me. I also give KCD permission to publish one or more photographs of me in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. RCW (Initial Here)

I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: RCW (Initial Here)

- The KCD funded BMP fails within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable). *Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.)*
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Richard and Carol Deglman

Signature of applicant

Date

Signature of Landowner (if applicant is Lessee)

Date

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)

Date

Approved for Funding (KCD Management)

Date

LIP ID:

2019-02





Landowner Incentive Program Applicant Budget

Cooperator: Deglman

Budget Items	Units	Cost
Project area invasive species treatment (also includes Zone E treatment)	4.89 acres	\$2,550.00
Zone A treatment and planting	0.35 acres	\$3,660.00
Zone B treatment and planting	0.12 acres	\$925.00
Zone C treatment and planting	1.21 acres	\$5,200.00
Zone D treatment and planting	0.71 acres	\$3,177.00
Maintenance and monitoring, 2020-2022	4.89 acres	\$5,200.00
Machinery Rental (not personally owned equipment)		\$0.00
	Subtotal	\$20,712.00

In-Kind Labor/Machinery	# hours	Cost
Manual labor		\$ -
Person with power equipment (i.e. chainsaw)		\$ -
Small Tractor (up to 40 hp)		\$ -
Medium Tractor (40-70 hp)		\$ -
Large Tractor (71 or above hp)		\$ -
Excavator (up to 100 hp)		\$ -
Excavator (over 100 hp)		\$ -
D-4 Cat or equivalent		\$ -
D-6 Cat or equivalent		\$ -
D-7 Cat or equivalent		\$ -
Backhoe		\$ -
Truck (under 2 tons)		\$ -
Truck (2 tons or over)		\$ -
Bobcat		\$ -
4-wheeler or side-by-side		\$ -
Subtotal	0.00	\$ -

Project Totals		
Total Cost (Budget Items + In Kind Labor/Machinery)		\$ 20,712.00
Units	Project	1.00
Cost/Unit		\$ 20,712.00

Conservation Practice	select BMP (x)	Cost Share Amount
Animal Trails & Walkways		
Aquatic Area Buffer		
Aquatic Area Buffer (WCC)		
Buffer Fencing		
Building Relocation for Aquatic Area/Buffer		
Bulkhead Removal (Freshwater, Marine)		
Cover Crops		
Cross Fencing		
Forest Health Management	x	\$ 15,534.00
Heavy Use Area Protection		
Pasture & Hay Planting		
Roof Runoff Management		
Stream Crossing		
Subsurface Drain		
Upland Wildlife Habitat Management		
Waste Storage Facility		
Watering Facility		

Amount eligible for reimbursement
(based on 2015 rates)

\$15,534.00

Richard and Carol Deglman KCD Estimate
43815 SE 76th Street, Snoqualmie WA 98065
Email: r.deglman@yahoo.com

Project Area (Includes treatment in new zone E (yellow archangel))

English Holly

-Treat with herbicide through injection pellets, frill and squirt or cut and painting \$950

English Laurel

-Basel spray or cut stump treatment outside Zone A \$600

Blackberries

-Foliar spray, cut stump treatment or mow and spray. \$1000

Zone A (0.4 acres)

Site Prep

-Cut and chip (Laurel, decline Douglas Fir and Noble) \$1800

-mow non native brush and clean up after chipper \$700

-foliar spray blackberries and cut stump treatment on Laurels \$350

Planting

-plant 30 conifers at \$4.50 per tree (prefer white pine)\$135

-plant 150 shrubs at \$4.50 per shrub (bare root stock)\$675

Note: if potted plants are preferred by the landowner \$11 per potted tree and shrub(\$1980)

Zone B

Site Prep

-mow invasive species \$200

-cut stump treatment on Mature English Ivy \$250

-foliar spray invasive with and aquatic herbicide. \$250

Planting

-plant 50 trees 10' on center to \$4.50 per tree (Sitka Spruce). \$225

Zone C (1.3 acres)

Site Prep

- thin and pile for masticator \$1500
- masticate piles thinned and invasive species \$2350
- foliar spray blackberries with aquatic herbicide \$400
- cut stump treatment on large English Holly foliar spray on smaller ones \$450

Planting

- plant 100 conifers 15' on center at \$5 per tree (Grand Fir, Sitka Spruce, Hemlock) \$500

Zone D (0.8 acres)

Site prep

- mow invasive species and area for shrubs and trees \$2000
- foliar spray invasive species \$400
- cut stump treatment on large English Holly foliar spray on smaller ones \$450

Planting

- plant 50 conifers 12' on center at \$4.75 per tree (western red cedar, Sitka Spruce, Hemlock, Grand Fir)\$237
- plant 200 shrubs 6' on center at \$4.50 per shrub (bare root stock)\$900 -Removed
- vexar tube Western Red Cedar at 4.50 per tree installed estimate 20 tubes and stakes. \$90

Note: if potted plants are preferred by the landowner 250 total at \$11 per potted tree and shrub(\$2200)

The work below has been removed from this project

Zone E (0.5 acres)

Site prep

- need to create access for management practices. Buck up down trees \$1500
- Foliar spray invasive species \$350

Planting

- plant 200 shrubs at 8' on center \$4.50 per shrub (bare root stock)\$900 Note: if potted plants are preferred by the landowner \$11 per potted tree and shrub(\$2200)

Zone F (0.57 acres)

Site prep

- thin Red Alder to achieve 15' spacing and pile for masticator \$1500
- masticate piles created and invasive species \$1100
- foliar spray invasive when they regrow \$300

Maintenance 2020,2021,2022

2020 — —\$2200

2021 — —\$2200

2022 — —\$2200

Revised maintenance costs:

2020: \$2000

2021: \$1700

2022: \$1500

Brett edit: Total = \$20,712

All text is red is no longer a part of this project





JOB SHEET

Forest Stand Improvement Tree/Shrub Site Prep & Establishment (Forest Management)

Landowner: Richard and Carol Deglman	Lifetime of Practice: 15 years
--------------------------------------	--------------------------------

***This Job sheet must be attached to your completed application**

Purpose (check all that apply)	
<input checked="" type="checkbox"/> Site preparation	<input checked="" type="checkbox"/> Tree/Shrub establishment
<input checked="" type="checkbox"/> Tree/Shrub stand improvement	<input checked="" type="checkbox"/> Restore native plant communities
<input type="checkbox"/> Long-term erosion control and improvement of water quality	<input type="checkbox"/> Increase the quantity and quality of forest products
<input type="checkbox"/> Wildlife habitat enhancement	<input type="checkbox"/> Other

Forest Management Practice and Details *Provide the following: 1) attach a map delineating prescription area and sub-treatment areas if applicable; provide name and acreage features for treatment areas 2) descriptions of current stand location and conditions, stand treatment plan, plant species to be used, plant spacing, and site preparation, 3) a project management timeline from your approved Forest Stewardship Plan.*

- 1) See attached project map.
 Total project area: 4.89 acres
 Zone A: 0.35 acres
 Zone B: 0.12 acres
 Zone C: 1.21 acres
 Zone D: 0.71 acres
 Zone E: <0.10 acres

2) This property is 9.66 acres, 4.89 of which is forested and will receive treatment through this forest health management project. The rest of the property contains the homesite, access driveway, landscaping, lawn, and additional native forest cover not being treated due to concerns expressed by the landowners regarding their physical and financial ability to maintain this practice for the full 15-year lifetime.

The only soil type present is Edgewick silt loam, 0-3% slopes. The canopy consists of mature Sitka spruce, bigleaf maple, Douglas-fir, and western redcedar, with high understory vegetation density in most of the forest. Understory species include salmonberry, vine maple, beaked hazelnut, and Indian plum. Overall forest health is good, with high vigor of overstory species and a diverse native understory. Trees are stocked at a healthy level for the given size of trees present with no signs of competition stress seen. Invasive species presence in the understory is moderate, with patches where Himalayan blackberry is mixed in with native understory vegetation mainly along forest edges. English holly and English ivy are also present at low levels, primarily in the northern portion of the forest, and a patch of yellow archangel is present in the southwest corner of the property.

This project will focus mainly on treatment of invasive species and replanting with a total of 230 native trees and 150 native shrubs where needed in areas defined below.

Project Area: Invasive weeds will be treated throughout the entire project area. Main weeds of concern are Himalayan blackberry, English holly, English ivy, and yellow archangel. Other noxious weeds will also be treated if they are identified during the course of the project.

Zone A: Treatment of English laurel and Himalayan blackberry, removal of dead/dying conifers and replanting with native conifers and shrubs such as white pine, shore pine, salal, evergreen huckleberry, and tall Oregon grape. 30 trees will be planted at 15' on center and 150 shrubs at 6' on center.

Zone B: Treatment of Himalayan blackberry along the edge of the forest, and English holly and English ivy in the understory. The forested portion of this area will be expanded by planting 50 flood-tolerant trees, mainly Sitka spruce, at 10' on center in two rows along the edge of the existing forest.

Zone C: Thinning of small-diameter (<4") suppressed bigleaf maple where they are growing less than 10' from mature overstory trees. Treatment of invasive species (mainly English holly and Himalayan blackberry) in the understory. 100 Shade-tolerant tree species such as Sitka spruce, western hemlock, and grand fir will be planted where canopy transparency is greater. They will be planted at 15' on center or 15' from mature trees.

Zone D: Treatment of Himalayan blackberry along the forest edge and English holly throughout the understory. Vegetation density is lower in this zone, primarily in the canopy layer, so it will be replanted with 50 trees such as western redcedar, Sitka spruce, western hemlock, and/or grand fir at 12' spacing.

Zone E: Treatment of the large (~500 sq. ft) patch of yellow archangel in the southwest property corner. Sufficient native vegetation is present in the area and should be able to revegetate this patch once control is achieved. Several years of follow-up treatment are likely necessary to achieve adequate control and prevent reinfestation.

3) Site preparation/invasive treatment, all zones: Summer 2019

Planting, all zones: Winter/Fall 2019

Maintenance, monitoring, and retreatment/replanting if needed: 2020, 2021, 2022

Permits *Are there any permits necessary for the project? If so, please list below and include a copy of the permit.*

Landowner must comply with local, state and federal regulations and permitting requirements.

1) Forest landowners may need a permit from the WA State DNR for forest management activities

<http://www.dnr.wa.gov/businesspermits/forestpractices/Pages/Home.aspx>

Or

From through the Forest Practices Rules, see the King County specifics here:

<http://www.co.king.wa.us/property/permits/info/SiteSpecific/forest.aspx>

2) There may be permits needed to apply herbicide near aquatic areas of their buffer. See the WA State Department of Ecology website for further details: <http://www.ecy.wa.gov/programs/wq/pesticides/>

Type and Source of Plant Material *Will you use potted plants, bareroot plants, b&b plants or a combination? Where will you get the plants from and when?*

Plant material will be native species adapted to the site to minimize maintenance and care.

Timberline Silvics, the contractor, will plant bareroot plants that have been sourced from the Puget Sound. If additional plant material is purchased to augment the Winter 2019 planting, that material can be bareroot, live stake, potted nursery stock or ball and burlap inventory. There are a number of local native plant nurseries where native trees, shrubs and emergents can be purchased. Refer to the attached list of native plant nurseries for local King County sources of native plant material as well as sources in the greater Puget Sound region.

Site Preparation *List what method(s) of site preparation will be used, who will be doing the work, when will the work be done.*

Site preparation will include a combination of weed control, thinning, and mastication. Non-native/invasive species control will target Himalayan blackberry, English holly, English laurel, and yellow archangel. Specific weed control prescriptions are detailed below. Note: A permit may be required when performing weed control with or without herbicide in or near an aquatic area and its buffer.

*It is recommended that landowners work with a professional licensed herbicide applicator for applications in sensitive areas or with difficult to remove species. It may be that some of the following formulations are only available for sale to a licensed applicator.

Weed Control Prescriptions:

Himalayan & Evergreen Blackberry Control

- Manual control: Mow or cut the blackberry canes to less than 1 foot in height, then grub/dig out the roots attached to the cut canes. Thorough removal of blackberry roots in this manner, while labor intensive can reduce the blackberry population and cover in the prepared area by 90 – 95%. Monitor for re-growth in the following growing seasons; dig up any re-growth.
- Chemical Control: An alternative control method includes herbicide. One technique involves cutting/mowing the canes and swabbing the freshly cut canes with an approved herbicide. Foliar spray of blackberry is another effective control method. It is recommended that blackberry is mowed early in the summer and sprayed on the foliar re-growth the next fall (September/October). Do not spray planted seedlings. **Always follow label rates and instructions.**

English Ivy Control

- Manual Control: Recommended manual methods include digging and pulling. First, remove any flowering or fruiting portion within reach and bag for removal from the site. Next, hand dig and pull out all accessible portions of plants including roots. Note that all cut stems/roots must be removed from soil contact. If composting on site, use cardboard or wood to create a raised platform. Consider wearing gloves and protective clothing as ivy sap is known to cause a reaction in some individuals. Mulching an area will significantly reduce re-growth of ivy. To properly mulch, apply an 8 inch thick mulch layer. Plants should be cut and removed and then mulched, preferably with a layer of cardboard below the mulch.
- Vertical ivy is controlled by girdling. To girdle vertical vines, cut the ivy vines at shoulder height and slightly above ground level. Remove the cut ivy section from the tree. This eliminates nutrient transport from the roots of ground ivy to the leaves and stems growing into the canopy of the tree. The lower cut section of ivy stems and roots must be pulled at least 6 feet away from tree. Root and stem fragments can re-grow and must be composted in a manner similar to ground ivy.
- Chemical Control: Ivy leaves are waxy and difficult to penetrate with herbicides, repeat application may be necessary. **Always follow label rates and instructions.**
 - Foliar Spray: From summer to fall foliar apply a 2-5% solution of triclopyr and a nonionic surfactant, a less desirable alternative is a 2-4% dilution of glyphosate. A mixture of glyphosate and triclopyr has also been found effective (4% glyphosate, 2% triclopyr, and 2% surfactant). A winter application on a sunny day has had even better success; apply 2-5% either glyphosate or triclopyr.
 - Basal Bark and Cut Stump: Cut vine close to the ground and treat freshly cut surface with 33% solution of triclopyr or glyphosate. For basal bark application, strip leaves from stem near ground level and apply 33% dilution of triclopyr or glyphosate.

Holly & Laurel Control

- Manual Control: Not recommended. Small plants can be dug up when the soil is moist. Regularly check area for re-growth. For larger plants cut stems and trunks as close to the ground as possible. Roots may be dug out. Be sure to stabilize soil if large quantities are disturbed. If roots are not dug up, break off any new stems as they grow back for multiple growing seasons.
- Chemical Control: Large Holly and Laurel trunks should be cut as close to the ground as possible. Immediately (within minutes) treat the cut stump with an application of concentrated triclopyr herbicide. An alternate technique, called frilling, involves incising deep cuts through bark into trunks at a 45 degree angle. Immediately treat the frills by pouring concentrated triclopyr herbicide

into the cuts. Best results are achieved during periods of active growth and after full leaf expansion. Monitor for re-growth (seedlings and re-sprouting) and treat accordingly. Do not spray herbicide directly holly and laurel leaves, which have a waxy layer that prevents chemicals from being absorbed. **Always follow label rates and instructions.**

Yellow Archangel Control

- Manual Control: Not recommended. Small infestations can be hand-pulled when the soil is moistened. Several years of follow-up will be needed as the roots and stems are fragile and tend to break, and plant parts are able to resprout if left in the soil.
- Chemical Control: Products containing triclopyr, imazapyr, metsulfuron, sulfometuron, and dichlobenil have shown promise in controlling this weed. Glyphosate alone is less effective, though spraying infestations with a mixture of glyphosate, either triclopyr or imazapyr, and a surfactant have proven effective in controlling yellow archangel.

Overstory Manipulation Prescriptions:

Felling: Felling is the act of cutting down a tree. This is one of a few techniques that can be utilized to increase light penetration to the understory and remove undesirable trees from the canopy. Trees to select for thinning are small-diameter, suppressed bigleaf maple growing less than 10' away from dominant canopy trees.

Minimum overstory retention: A minimum of 30% existing tree canopy project area wide will be retained.

Biomass Management Prescriptions:

When trees and shrubs are managed within the forest, biomass is created. This downed woody material is important to be retained on-site to maintain soil nutrients, wildlife habitat, and suppression of weed seed germination.

Native Shrub Retainage –

- At minimum, 15% of existing native shrub cover will be retained during site prep. This may be grouped around retained trees.
- During maintenance: all native shrubs that are not within the 4-foot clearing zone around planted trees, or otherwise not directly competing for light with planted trees will be retained

Standing Dead Wood (Snags) –

- All existing standing dead wood greater than 10 inches (snags) will be left standing onsite unless the tree poses significant hazard to structures or humans.
- Consider topping trees in order to create future snags. As a point of reference: in unmanaged lowland Western WA forests, there are an average of 11 snags per acre.

Downed Dead Wood (greater than 5 inches) –

- There will be a minimum of 6% cover (on the ground) of downed dead wood greater than 5 inches. Some wood may be piled to create habitat piles. This will equal 2 trees at 20 feet long (If feasible, at least 12 inches DBH on small end) per acre or ~2,615 square feet of downed wood. Wildlife experts recommend greater retention, 15-20% if protection of small animals and their predators is a management objective.

Fine Woody Debris (Mulched material or woody material less than 4 inches in diameter) –

- All fine woody debris (that does not include invasive species) will remain on site, either masticated, loped and scattered, or piled for wildlife habitat.
- If sites are not receiving mastication, then at least 40% of fine woody debris will be left on site. For steep slopes, at least 50%.

Care and Temporary Storage of Purchased Plant Material *Upon receiving the plant material, where will you store it and how will you care for it?*

All plant material should be stored in a cool location and well watered prior to planting. In the case of bare root plants, inventory should be held in the source refrigerated facility as long as possible prior to planting. Bare root plants can be stored in the field for up to one to three weeks prior to planting by placing them in a shaded location where they will remain cool. Such a location should prevent freezing as well as exposure to warm temperatures. Additionally, bareroot inventory should be covered with a tarp to prevent drying. Bareroot stock that is expected to emerge from dormancy prior to planting should be "healed" into a soil bed. To heal-in, dig a v-shaped trench to a depth that accommodates covering the seedling roots when back-filled with soil.

Installation *Provide the following details: 1) Plant Installation Prescription; 2) Plant Protection Prescription; 3) Weed Suppression Prescription; 4) Erosion Control Prescription*

1) Plant Installation Prescription:

Potted & Plug Inventory: Potted plant material should be shovel planted to the same depth that they grew in the pot. Plants will be well watered prior to planting. Prior to digging a hole for the plant, prepare the planting location by removing a grass sod within a 1.5 feet diameter circle, being careful to remove roots as well as above ground portions of the plant. Dig a hole for the container in the center of this cleared circle twice the size of the plant's pot. Backfill the hole with soil while using care to avoid leaving air pockets in the soil. Refer also to the attached planting instructions in *Planting Container Trees and Shrubs*.

Bareroot Inventory: Bare root seedlings should be shovel planted to the same depth that they grew in the nursery fields. Roots will remain moist once they are removed from the shipping bundles until they are planted. Roots will be placed in a natural position in the soil without being crowded or turned up. Soil will be packed firmly around the root system, leaving no air pockets. Prior to digging a hole for the plant, prepare the planting location by removing all grass sod within a 1.5-foot diameter circle, being careful to remove roots as well as above ground grass. Dig a hole for the bare root plant in the center of this cleared circle. Refer also to the attached planting instructions in *Planting Bare Root Trees and Shrubs*.

2) Plant Protection Prescription:

Tree Protectors (for sites where deer/elk browse is anticipated): Install Plastic Mesh or netted deer sleeves on newly planted Western Red Cedar to protect trees from deer browsing. Weave 6 ft bamboo stakes through each tube and shove at least 8 inches into the ground in order to stabilize the mesh tubes and keep them on trees. The tube must be tall enough to protect terminal bud; be sure that the terminal bud is a couple inches lower than the top of the tube. Each year the tube should be pulled up to cover the terminal bud as the tree grows. Keep tubes on until terminal bud is above the deer browse level, approximately 5 feet tall. Make sure side branches within the tube are positioned vertically to allow for successful growth.

As the trees mature, inspect them periodically for damage from deer rubbing. If rub is occurring, steps must be taken to protect trees. Effective techniques include temporarily fencing trees with woven fencing or chicken wire or installing one or two steel posts next to a tree. Flared bases on posts should be set in-line with the trunk to reduce root damage when driven in. Posts are especially effective in protecting smaller trees, and light gauge steel types 4 to 6 feet long can be used.

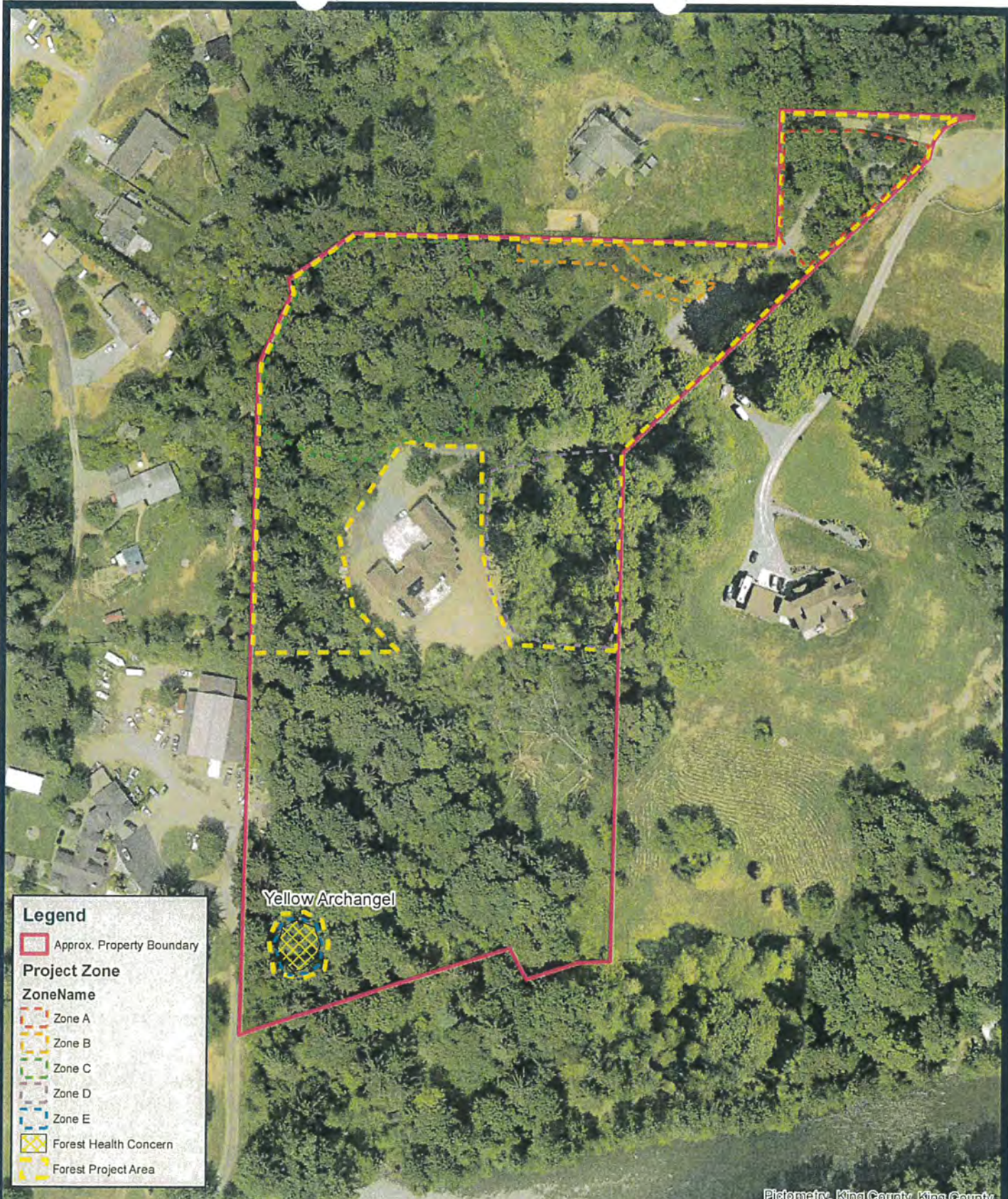
Planting Project Maintenance and Monitoring *The planting must be inspected periodically and protected from damage so proper function is maintained. The goal for the project is to reach 80% survival after 3 years. Please describe the maintenance and monitoring plan.*

Treatments must be inspected periodically and protected from damage so proper function is maintained and resource damage is minimized, including assessment of insects, disease and other pests, storm damage, and damage by trespass. The results of inspections shall determine the need for additional treatment under this practice.

Replace dead or dying trees and shrubs and control competing vegetation to support successful establishment. Periodic application of mulch may be needed to maintain plant vigor. Periodic harvest of trees and shrubs (thinning and brushing) may be necessary to maintain the health and vigor of the stand and support its development toward more mature stand conditions. Keep large dead and dying trees for cavity nesting wildlife and bird species and as a source of downed wood in the forest understory and in adjacent or interior aquatic habitats.

Where droughty soils and hot growing conditions are anticipated, supplemental watering is recommended. In such cases the District recommends watering planted nursery stock for a minimum of 3 summers following planting. Young bare root, container, and ball/burlap plants have a reduced root system that hampers their ability to survive during the dry spring or summer months. Watering a minimum of once every two weeks during the dry summer will promote greater rates of survival. Watering once per week is preferable.

Monitor treatment areas for re-growth of non-native/invasive species and control accordingly. Utilize weed control techniques prescribed in the Site Preparation section of the Job Sheet. Species to monitor include Himalayan blackberry, English holly, English laurel, yellow archangel, English ivy, and any listed King County Noxious weeds.



Pictometry, King County, King County



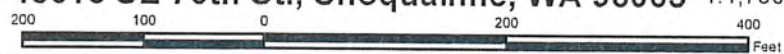
Forest Health Management Project Map

Richard and Carol Deglman

43815 SE 76th St., Snoqualmie, WA 98065



1:1,750



DISCLAIMER: While every precaution was taken in preparing this map, the publisher disclaims any warranty of fitness or accuracy of the data. The map is approximate in nature, based on compilation of data from multiple sources, and should not be relied upon or referenced in legal documents, including property deeds, title reports, and contract documents, nor substituted for appropriate survey and/or engineering analysis. The user of the map acknowledges its limitations, assumes all responsibility for its use, and agrees to hold the publisher harmless for any damages that may result from the use of this map. This map is subject to change without notice.

KCD Planner: Brett Anderson
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January 08, 2019



New Business

CD Comment Form: Election Reform Draft Proposal

Members of Joint Committee on Elections came to consensus on a [draft Election Reform Proposal](#) for CD election reforms. The proposal consists of four main parts that, when combined, give power to the locally led approach. We also believe it's the best possible option to satisfy other election needs, such as increasing turnout, reducing costs, and staying true to mission. The current election process would remain in place. The four-part proposal is for changes and additions that would be made to the current system.

We want to hear from our fellow conservation districts. Please use this form to share your feedback and ideas on our draft proposal. **Deadline is COB on Wednesday, August 18, 2021.** Thank you!

JCE members will review your feedback and consider if potential modifications to our proposal are needed. We'll also include your feedback in our final report to the Conservation Commission.

Name *

First Name

Last Name

Email *

Select your conservation district: *

Are you commenting on behalf of your district or sharing your individual views as a supervisor or district manager? *

☐ On behalf of my district

- ☐ Individual views as supervisor
- ☐ Individual views as district manager

Our proposal consists of four main parts. Please select the part(s) on which you'd like to comment: *

- ☐ Part 1/4: Districts hold supervisor election every other year
- ☐ Part 2/4: Term for all CD supervisors extended to either 4- or 6-year terms.
- ☐ Part 3/4: Districts follow current process but with more local outreach and they all hold their election during one "Conservation Month"
- ☐ Part 4/4: Districts have the option to go on the general election ballot

Submit Form

For CD Review: Election Reform Proposal (draft)

from the Joint Committee on Elections (JCE)

Members of JCE came to consensus on the following draft proposal for CD election reforms. The proposal consists of four parts that, when combined, give power to the locally led approach. We also believe it's the best possible option to satisfy other election needs, such as increasing turnout, reducing costs, and staying true to mission.

First, we want you to know the current election process would remain in place. The four-part proposal is for changes and additions that would be made to the current system.

Please carefully review and consider the proposal. Then, use this form to provide comments to the JCE by COB on Wednesday, August 18, 2021.

JCE Draft Proposal for CD Election Reform

Note: Each part of our proposal requires legislative change to RCW 89.08.

Part 1 of 4: Districts would hold a supervisor election every other year.

(currently, all CDs hold an election every year)

Why propose this change?

- ✓ Saves costs associated with conducting an election.
- ✓ Gives districts the option of choosing to run their election in either an odd or even year.

Part 2 of 4: The term for all CD supervisors, both appointed and elected, would be extended. The JCE proposes extending to either a four- or six-year term. (currently supervisors serve a three-year term)

NOTE: The JCE would like to hear from fellow CDs on whether they'd prefer a four- or six-year supervisor term.

When combined with Part 1 above (elections held every other year):

- If we propose a four-year term, two supervisor positions would be up for election during one election cycle, and one supervisor position would be elected in the next cycle two year later.
- If we propose a six-year term, one supervisor position would come up for election every two years.
- Under either the four- or six-year term scenario, the two appointed supervisor positions would be appointed by the Commission in "off years" when no election is held.

For current supervisors, there is a process to modify the three-year term to a four- or six-year term.

Why propose this change?

- ✓ Reduces election costs.
- ✓ Normalizes CD elections to match terms of several other elected positions.
- ✓ Allows CDs to follow same schedules as other elections.

Part 3 of 4: Districts would conduct supervisor elections during one Conservation Month. (currently CDs hold elections in either January, February, or March)

- Districts follow the current election process but with more emphasis on local election outreach.
- All districts would conduct their election during one “Conservation Month” (month TBD). The SCC would coordinate broad statewide advertising/promotion of conservation districts and potential election opportunities throughout Conservation Month. The campaign will be developed in coordination with CDs, particularly with members of the Communications, Partnership, and Outreach group who have been building a foundation for this.

Why propose this change?

- ✓ Focusing the election in a Conservation Month would allow for broad communication and publicity of CDs and their work to a statewide audience.
- ✓ Goal would be to increase awareness of CDs and increase participation in CD elections.
- ✓ Cost of the “Conservation Month” publicity would be borne by the Commission.

Part 4 of 4: Districts would have the option to go on the general election ballot.

- By a vote of the board of supervisors, a CD could choose to go on the general election ballot, rather than conduct the election under the current process.
- CD supervisors would not be required to run in a primary election, and — similar to cemetery districts — supervisors would be exempt from Public Disclosure Commission (PDC) and personal financial filing requirements.

Why propose this change?

- ✓ Empowers each CD to make a local determination about which election approach works best for their communities and their district, consistent with our core value of locally led conservation.
- ✓ This option has the highest potential to increased voter turnout because it would be on the ballot with other entities.

**King Conservation District Board of Supervisors Meeting 08/09/2021
Agenda Action Briefing/Report AI 21-**

SUBJECT:

Approve KCD Landowner Incentive Program cost-share application from Susan Sullivan, for a Bulkhead Removal, in the amount of \$30,000.00. Review policy consideration to allow cooperator to apply for planting of shoreline as a separate practice after bulkhead removed.

FISCAL IMPACT

The current balance of cost-share funding for KCD LIP 2021 is summarized in the following table:

2021 LIP Cost-share Available	\$243,108.42
Current Request	\$30,000.00
Balance Remaining	\$213,108.42

The project's estimated budget is summarized in the following table:

Practice	KCD LIP Contribution	Landowner Contribution
Bulkhead Removal BMP	\$30,000.00	\$102,386.00
Critical Area Planting BMP	\$TBD	\$46,643.00
Totals:	\$30,000.00 (+TBD)	\$149,029.00

Because of the tight timeline for the Washington Department of Fish and Wildlife (WDFW) HPA permitting window, there was not time to submit to the Washington State Conservation Commission (WSCC) for cost-share for a Bulkhead Removal.

POLICY CONSIDERATION

This proposed cost-share contract has been vetted through a staff approval committee and has been advanced for due pass by the Board of Supervisors.

This proposed cost-share contract is requesting approval to apply for funding for planting of the shoreline as a separate practice once the bulkhead is removed.

STAKEHOLDER INTERESTS

- District cooperators working with District farm management, forestry and aquatic area enhancement programs
- King CD Board members and staff
- NRCS
- Regional partners working to advance Puget Sound recovery, particularly salmonid and Orca recovery

BACKGROUND**The Project:**

The Sullivan property is located along the shore of Lake Washington in Medina. A basalt angled rock bulkhead is located along most the immediate shoreline area, with a 44-foot-long degraded log bulkhead situated along the remainder of the shoreline from the middle of the south property running south to the property line. A 26-foot long in-water groin exists perpendicular to the shoreline within the north portion of the property. Areas of lawn and ornamental hedges are situated between the shoreline and the existing single-family residences. The shoreline along the water's edge of the southern property contains knotweed.

King Conservation District Board of Supervisors Meeting 08/09/2021

Agenda Action Briefing/Report AI 21-

This project proposes to restore vital functions to the nearshore environment aquatic habitat by providing habitat for birds, small mammals, and adult stages of aquatic insects as well as overwater shade, cover, and input of organic matter and insects to the aquatic environment. The removal of the bulkhead; addition of shoreline gravel, keystone boulders and anchored logs; and the installation of riparian vegetation will enhance the nearshore environment by replenishing preferable substrate for salmonids, shading the nearshore aquatic environment, and providing inputs to the aquatic food web. This project will removal a total of 101 linear feet of bulkhead as well as a 26-foot groin. Finally, native enhancement plantings will be installed along the shoreline (up to the shoreline setback), including a robust shoreline community of grasses, forbs, shrubs, and trees.

This project is being managed by the Watershed Company, who was hired by the cooperator to restore their shoreline. Mid Sound Fisheries Enhancement Group has written a letter of support for the project which can be found in the following application packet. The Watershed Company managed the removal of a separate bulkhead for cooperators on a neighboring property directly adjacent and to the south of the proposed project, providing connectivity to this project. All required permitting has been obtained and approved and can be viewed in the attached file.

The bulkhead removal began this month and will end in September, to remain in line with the HPA permitting window. The planting will occur in 2022.

Policy Consideration Background:

The Practice

Bulkhead Removal is an approved LIP Best Management Practice (BMP). The purpose of this practice is primarily to remove bulkhead, restore natural, native shoreline to improve habitat for aquatic species such as salmonids and protect and enhance surface and ground water resources. The LIP models it's practice standards after Natural Resources Conservation Service (NRCS) and Washington State Conservation Commission (WSCC).

NRCS - Similar to LIP's Forest Health Management BMP, Bulkhead Removal is not a standalone NRCS practice but rather is a combination of several NRCS practices such as: Shoreline Protection (580), Critical Areas Planting (342), and Structures for Wildlife (large wood) (649).

WSCC – The WSCC cost-shares on Bulkhead Removals as a stand-alone practice. The WSCC also cost-shares on Bulkhead Removals as a separate practice from Critical Area Plantings allowing a cooperator to apply for both practices separately.

In a recent Bulkhead Removal project, LIP allowed the Bulkhead Removal BMP to reimburse the cooperator for costs pertaining to both the removal of the bulkhead and installation of shoreline stabilization materials as well as the planting. However, this project had enough time prior to the permitting window to apply for and receive additional financial support from WSCC cost-share, offsetting the costs of the project. Bulkhead removals can be extremely expensive due to the large scope of the project, which can be prohibitive to a cooperator installing their practice to it's full potential scope, or at all. For example, recent projects have shown that the costs associated with barging alone can be upwards of \$50,000,

OPTIONS CONSIDERED

- 1- Award cost-share funding for the Bulkhead Removal and approve the submittal of a second request for cost-share for the critical area planting at a later date at the standard LIP Aquatic Areas Plantings cost-share rates.

King Conservation District Board of Supervisors Meeting 08/09/2021

Agenda Action Briefing/Report AI 21-

- Pros – Project would count towards ILA metrics for Shorelines for 2021. Allowing two practices would support practice success. Cooperator has already communicated they have had to reduce the scope of the project due to budgeting limitations. This would reduce the likelihood of additional reductions in scope needing to be made due to unforeseen circumstances.
 - Cons – Would potentially utilize more cost-share that could have been awarded to another project.
- 2- Award cost-share funding for the Bulkhead Removal but do not allow the submittal of a separate request for cost-share for the critical area planting at a later date.
- Pros – Retain additional funding to allocate to a different project, although this is not guaranteed.
 - Cons – There would be less resources to support the current scope of the project, potentially impacting deliverables.
- 3- Do not award the cost-share funding to the Bulkhead Removal
- Pros – None observed.
 - Cons – Would be missing an opportunity to support reaching ILA metrics for the Shorelines Program and to restore native shoreline on Lake Washington.

EFFECTIVE DATE

The cost-share award will become effective upon approval by the Board of Supervisors and the LIP contract will become effective upon signature by a Board representative.

RECOMMENDATION – Option 1

Staff seeks Board approval of Landowner Incentive Program cost-share application from Susan Sullivan, for a Bulkhead Removal, in the amount of \$30,000.00 with the option to apply for additional funding for the Critical Area Planting at a later date.

This recommendation was reached after determining the benefits of having the additional support to ensure that the full project scope was met, as well as to assist staff in meeting ILA metrics for 2021. Additionally, this recommendation has precedent in WSCC cost-share allocation for Bulkhead Removal BMPs in conjunction with Critical Area Plantings.

MOTION

 Moved, Seconded; Passed a motion to Approve KCD Landowner Incentive Program cost-share application from Susan Sullivan, for a Bulkhead Removal, in the amount of \$30,000.00 with the option to apply for additional funding for the Critical Area Planting at a later date at the standard LIP Aquatic Areas Plantings cost-share rates.

KING CONSERVATION DISTRICT (KCD) LANDOWNER INCENTIVE PROGRAM APPLICATION

Section 1. Applicant (If applicant is not the landowner, then landowner must also sign the agreement)

Applicant Name: Susan Sullivan		Farm/Business Name: n/a	
Mailing Address: 1645 Rambling Lane Medina, WA 98039		Project Address: 444/438 Overlake Dr E Medina, WA 98039	
Phone (home): 425-941-1268		Phone (work/mobile):	
Email Address: sullhenn@msn.com		KCD Staff: Debbie Meisinger	
Parcel #(s): 3835502356 & 9389100040	<input checked="" type="checkbox"/> Incorporated <input type="checkbox"/> Unincorporated	Total Farm/Land Acreage: 0.78 (total combined of both lots)	<input checked="" type="checkbox"/> T.A. <input type="checkbox"/> Farm Plan <input type="checkbox"/> Forest Plan
Is email an acceptable primary form of communication?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Would you like to be added to our newsletter list?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Section 2. Project Information

Best Management Practice (BMP): Bulkhead Removal
Project Completion Date (month and year): December 2022
<p>Current Site Conditions (Provide a brief summary of resource management problem addressed by BMP; also note if streams, wetlands, and steep slopes are near or within the project area):</p> <p>This project aims to restore much of the shoreline's natural features and functions of the nearshore environment by removing large sections of bulkhead and replacing it with riparian plantings, shoreline gravel, boulders, and logs. A basalt angled rock bulkhead is located along most the immediate shoreline area, with a 44-foot-long degraded log bulkhead situated along the remainder of the shoreline from the middle of the south property running south to the property line. Substrate waterward of the bulkhead includes medium-sized rounded cobble; no small gravels are present waterward of the bulkhead, indicating the bulkhead is focusing wave energy down into the nearshore environment and dispersing fine sediments from the project area. A 26-foot long in-water groin exists perpendicular to the shoreline within the north portion of the property. Areas of lawn and ornamental hedges are situated between the shoreline and the existing single-family residences. The shoreline along the water's edge of the southern property contains knotweed. (See page 2 of plans)</p>
<p>Project Details (Provide a brief summary of the project. Include acres treated, length of fence, dimensions of compost bin, types and numbers of plants, etc.):</p> <p>The proposed project includes selected bulkhead removal and the placement of shoreline gravel, anchored logs, and keystone boulders for beach creation at both 438 and 444 Overlake Drive East in Medina. Cumulatively, 101 linear feet of bulkhead removal will occur: 34 linear feet at 444 Overlake Drive East and 67 linear feet at 438 Overlake Drive East. In addition, a 26-foot groin on 444 Overlake Drive E will be removed. Finally, native enhancement plantings will be installed along the shoreline (up to the shoreline setback), including emergent plants near OHWM and a robust shoreline community of grasses, forbs, shrubs, and trees.</p>
<p>Maintenance Plan (Summarize your plan to maintain the practice. Include frequency and scope of inspections, repairs anticipated, etc.):</p> <p>Per HPA approval, shoreline plants will be maintained for at least 3 years, ensuring 80% survival by year 3. The homeowner will continually monitor shoreline gravel and placement of logs and boulders, as well as fulfill the requirements of maintenance and monitoring as outlined in the Jobsheet.</p>

Permits (List all permits required to complete this project):

JARPA, HPA, City of Medina Building Permit, City of Medina Demo Permit, SEPA Exemption

Photos: Before photos must be submitted with this application.

Section 3. Cost-share Programs

- A. Have you previously applied for cost-share through the KCD Landowner Incentive Program (LIP)? ☐ Yes ☒ No
If yes, please list contract number and BMP below:

- B. Are you applying for (or received) funding (cost-share or grants) through other agencies or programs? ☐ Yes ☒ No
Please describe below:

1. King County Cost-share

Please list practices and date installed below:

2. NRCS EQIP (Natural Resources Conservation Service's Environmental Quality Incentive Program)

Please list practices and date installed below:

3. Other

Please list agency and describe project:

Other Cost-Share History/Notes:

There was not time to apply for WSCC cost-share and still meet project deadlines outlined in the permit windows.

Section 4. Budget (attached as Exhibit A)

The cost-share application budget is the applicant's statement for how the KCD cost-share funds will be spent. Use the attached Excel document to detail the budget for the project. Reimbursement values are restricted by unit maximums as well as practice maximums. KCD will be unable to provide a budget that exceeds either maximum. The cost differential for practices installed at a higher standard or cost shall be the responsibility of the applicant. In cases where a budget for a cost-share award needs to be updated, submit a budget revision request for approval. In the absence of an approved budget revision, the cost differential shall be the responsibility of the applicant. Furthermore, receiving financial assistance for an approved Best Management Practices will be subject to inspection by KCD planners. Approval for reimbursement will be based on the satisfactory completion of the project to the minimum specifications detailed in this application.

Partial reimbursements are available on a limited basis and must be requested in advance. They will only be considered when the installation of a project can be phased to achieve the standard described in the attached job sheet when reimbursement is requested.

☐ Select this box if you intend to request partial reimbursement as the project is installed.

Section 5. Education and Outreach

KCD encourages public education through demonstration projects. Demonstration projects are used to educate other landowners about innovative ways to address natural resource concerns. A demonstration project may be showcased in a guided tour, or featured in presentations or written fact sheets.

- Will you consider becoming a demonstration project?

☒ Yes ☐ No

Section 6. Maintenance and Monitoring Expectations

The applicant is responsible to maintain the Best Management Practice (BMP) to standard as detailed in the attached Job Sheet for the lifetime of the BMP.

☒ A. I understand the lifetime of the BMP is 15 years.

☒ B. I understand KCD will work with me to verify proper maintenance of the installed BMP, which will include a combination of site visits with KCD staff and/or annual photo documentation submitted by me for the lifetime listed in Section 7A.

☒ C. I understand I am obligated to maintain and monitor the BMP for the lifetime listed in Section 6A.

Section 7. Application and Agreement

I request financial assistance (cost-share) under the KCD LIP to install the Best Management Practice (BMP) described in this application and detailed in the attached *Job Sheet and Map*. This practice is needed to solve the natural resource problems described in Section 2 of this application. This Agreement expires if the project is not completed by the specified completion date in Section 2 or in an approved timeline revision request. _____ (Initial Here)

I agree to ensure that all applicable local, state, and federal permits are obtained for installation of the BMP for which funds are requested. Furthermore, I understand that KCD must receive a copy of any applicable permit to process my cost-share reimbursement. _____ (Initial Here)

I agree to work cooperatively with KCD to ensure the funded BMP is maintained consistent with the design life identified in the attached Job Sheet and in Section 6 of this application. _____ (Initial Here)

I agree to indemnify, defend, and hold harmless KCD, its elected or appointed officials, employees and agents, from all claims, alleged liability, damages, losses to or death of person or damage to property allegedly resulting from the negligent or intentional acts of the applicant or any of its employees, agents, contractors or subcontractors in connection with this Agreement. _____ (Initial Here)

I represent that the information provided in Section 3 of this application is a full disclosure of all other natural resource financial cost-share relationships in which I have or am participating. Furthermore, I agree to disclose if I am applying for or receive funding (cost-share or grants) for the BMP described in this application through other agencies or programs and to provide KCD with written documentation detailing this funding support. This may include copies of reimbursement checks or letters showing value of provided contribution. I understand that I must provide proof of reimbursement for alternate funding prior to receiving reimbursement through the KCD LIP. I acknowledge that KCD LIP funds cannot be used in combination with other funding sources to exceed 100% of project costs. I agree to allow communication between KCD and any other agency regarding the details of the project as well as funding details. _____ (Initial Here)

I understand that LIP cost-share reimbursement is contingent upon installing the BMP to the minimum standard provided by KCD, and that KCD will verify standard compliance. Furthermore, I understand that changes to the installation details (attached *Job Sheet and Map*) must be approved through a *Scope of Work Revision Process*. Unapproved changes will not be eligible for reimbursement. _____ (Initial Here)

I understand that there may be federal tax liability associated with a LIP cost-share reimbursement, and that KCD will issue a 1099-G for reimbursements made through the LIP. Furthermore, I understand that KCD cannot provide advice with respect to the tax liability associated with LIP cost-share reimbursements and that I have been advised to consult with my own tax professional.

_____ (Initial Here)

I understand that I am applying for public funding and am responsible for notifying a buyer upon sale or loss of the property of the installed BMP. If I sell or lose control of the property covered by this Agreement and the new owner or transferee does not assume responsibility for maintaining the installed BMP as required by this Agreement, I may be required to refund all or a portion of the cost-share received through this Agreement. In the event of litigation arising from or related to this Agreement, attorney's fees and costs incurred by the prevailing party shall be paid by the non-prevailing party. _____ (Initial Here)

I give permission to KCD to photograph my property to document the site conditions and/or the implementation and maintenance of the funded practice. In the event that I or any of my family members or dependents choose to be photographed in a setting that reflects the assistance provided by KCD, I give KCD permission to publish such photographs in KCD promotional literature, advertising, social media, and other public displays. The photographs will be the property of KCD and may be used by KCD at any time, in the manner described above, without my additional consent. _____ (Initial Here)

I understand that this Agreement is subject to disclosure under the Public Records Act, Chapter 42.56 RCW. _____ (Initial Here)

I understand that I will no longer be eligible for KCD cost-share funds if one or more of the following occurs: _____ (Initial Here)

- a. The KCD funded BMP fails within its design life due to circumstances within my control (e.g., neglect, failure to maintain the BMP, destruction of the BMP before expiration of the design life, or other actions which cause the KCD funded BMP to become non-viable). *Note: Landowners are not responsible for BMP failure caused by circumstances beyond their control (e.g. fire, flood, storm damage, etc.).*
- b. I relinquish or lose ownership of equipment purchased with KCD cost-share.
- c. The KCD funded BMP is not being used for the intended purpose (e.g. cross fencing purchased with KCD funding, but no animals on property).
- d. I cancel 2 cost-share contracts awarded through the KCD Landowner Incentive Program.
- e. I deny KCD staff access to my property to verify BMP installation and maintenance.

I understand KCD will provide a sign free of charge after completion of a project, and I agree that: _____ (Initial Here)

- a. I will select a visible location on my property for display of the sign and will install it.
- b. I will maintain the sign and keep it free of visual barriers for at least five years after installation.
- c. I am not responsible for damage to the sign that is beyond my control (e.g. auto accident, storm damage, vandalism, etc.)

Susan Sullivan

Signature of applicant

Date

Signature of Landowner (if applicant is Lessee)

Date

FOR KCD OFFICE USE

Approved for Award (KCD LIP Coordinator)	Date	
Approved for Funding (KCD Management)	Date	LIP ID:



Landowner Incentive Program Applicant Budget

Cooperator:

Budget Items	Units	Cost
Demolition / Site Preparation	LS	\$18,716.00
Shoreline Boulders	LS	\$20,700.00
Shoreline Spawning Gravel	LS	\$9,870.00
Shoreline Log Placement and Anchoring	LS	\$13,100.00
Barging	LS	\$70,000.00
Shoreline Setback Plants (estimated)	LS	\$46,643.00
Machinery Rental (not personally owned equipment)		\$0.00
	Subtotal	\$179,029.00

In-Kind Labor/Machinery	# hours	Cost
Manual labor		\$ -
Person with power equipment (i.e. chainsaw)		\$ -
Small Tractor (up to 40 hp)		\$ -
Medium Tractor (40-70 hp)		\$ -
Large Tractor (71 or above hp)		\$ -
Excavator (up to 100 hp)		\$ -
Excavator (over 100 hp)		\$ -
D-4 Cat or equivalent		\$ -
D-6 Cat or equivalent		\$ -
D-7 Cat or equivalent		\$ -
Backhoe		\$ -
Truck (under 2 tons)		\$ -
Truck (2 tons or over)		\$ -
Bobcat		\$ -
4-wheeler or side-by-side		\$ -
Subtotal	0.00	\$ -

Project Totals		
Total Cost (Budget Items + In Kind Labor/Machinery)		\$179,029.00
Units	Linear Feet	104.00
Cost/Unit		\$ 1,721.43

Conservation Practice	select BMP (x)	Cost Share Am
Animal Trails & Walkways		
Aquatic Area Buffer		
Aquatic Area Buffer (WCC)		
Buffer Fencing		
Building Relocation for Aquatic Area/Buffer		
Bulkhead Removal (Freshwater, Marine)	x	\$ 30,000.00
Cover Crops		
Cross Fencing		
Forest Health Management		
Heavy Use Area Protection		
Pasture & Hay Planting		
Roof Runoff Management		
Stream Crossing		
Subsurface Drain		
Upland Wildlife Habitat Management		
Waste Storage Facility		
Watering Facility		

Amount eligible for reimbursement
(based on 2015 rates)

\$30,000.00



Local Food
Healthy Forests
Clean Water
Better Ground

Job Sheet

Bulkhead Removal – Freshwater and Marine

Landowner: Susan Sullivan	Lifetime of Practice: 15 years
---------------------------	--------------------------------

***This Job Sheet must be attached to your completed application**

Purpose (check all that apply)	
<input checked="" type="checkbox"/> Restore natural beach profile.	<input checked="" type="checkbox"/> Reduce introduction of pollutants from treated timber.
<input checked="" type="checkbox"/> Create or Restore Marine Intertidal or Freshwater Emergent Habitat.	<input checked="" type="checkbox"/> Restore native shoreline plant communities.
<input type="checkbox"/> Create or restore freshwater or marine riparian habitat.	<input checked="" type="checkbox"/> Improve access to freshwater and marine beaches.
<input checked="" type="checkbox"/> Improve or restore sediment and woody debris recruitment and transport.	<input type="checkbox"/> Create shade to moderate water and sediment temperatures to improve habitat for aquatic organisms.
<input checked="" type="checkbox"/> Improve fish and wildlife habitat.	<input type="checkbox"/> Reduce delivery of uphill pollutants and nutrients from surface water runoff.
<input type="checkbox"/> Restore natural erosion rates to bluff and high bank shorelines.	<input type="checkbox"/> Other (specify):

Summarize the Project Proposal. Provide the following: 1) describe project activities, including permitting, site prep, installation, and maintenance and monitoring; 2) describe the anticipated project outcome (e.g. fish and wildlife benefits, other environmental benefits); 3) outline the project implementation timeline

1) Remove 104 linear feet of bulkhead 26 linear feet of a concrete groin that is perpendicular to the shoreline, and an opaque mooring cover attached to the dock of 438. Place sand, gravel, anchored logs, and keystone boulders to create a beach.

Site prep requires installing a floating turbidity curtain 30' waterward of the existing OHWL. Construction activities would occur in the following sequence:

All landward construction activities will be staged from the upland area. Barges and in-water machinery will be used waterward of the ordinary high water mark.

1. Install TESC measures, including both upland silt fence and in-water sediment curtain,
2. Bulkhead portions identified for removal will be removed by barge and disposed of off-site,
3. Remove groin at north end of the property,
4. Remove opaque mooring cover adjacent to dock on 438,
5. Conduct course grading, then finish grading,
6. Shoreline gravel fill will be brought in and placed below the OHWM and graded to produce a gradual slope to the adjacent upland area,
7. Place boulders and logs along the shoreline, and

8. Clean up site and remove TESC fencing and sediment curtain. No monitoring or maintenance is planned.

No formal maintenance and monitoring plan was required by local, state, or federal jurisdictions for permit approval as this is a voluntary restoration project, with no mitigation criteria. However, all maintenance required per KCD LIP cost-share application do apply as well as further instructions on cooperator responsibilities to monitor and maintain the practice listed in the Additional Specifications and Notes section below.

- 2) The proposed project aims to restore much of the shoreline's natural features and functions by removing large sections of the bulkhead and placing it with aquatic plants gravel, boulders, and logs along the shoreline area. Total avoidance of impacts would result in a prolonged existence of the current shoreline, while the result of the project helps restore vital functions to the nearshore environment aquatic habitat by providing habitat for birds, small mammals, and adult stages of aquatic insects as well as overwater shade, cover, and allochthonous input of detritus and insects to the aquatic environment. The removal of the bulkhead; addition of gravel and wood; and the installation of riparian vegetation will enhance the nearshore environment by replenishing preferable substrate for salmonids, shading the nearshore aquatic environment, and providing allochthonous inputs to the aquatic food web.
- 3) Project start date: September 2021; shoreline planting: Fall 2022; project end date: December 2022

Describe Project Area. *Provide the following: 1) extent of project area above and below ordinary high water mark – for freshwater projects, the number of feet above and below ordinary high water mark; for marine projects, the number of feet above mean lower low water; 2) dimensions of site; 3) briefly describe the existing vegetation and habitat conditions; 4) is the site identified by the RCRA (Resource Conservation Recovery Act), CERCLA, i.e., Superfund (Comprehensive Environmental Response, Compensation, and Liability Act), other EPA databases (e.g., spills sites, Brownfields, etc.)*

- 1) Above OHWM: 10'
Below OHWM: 30'
- 2) Project spans two lots, totaling approximately 156 x 40'
- 3) See page 2 and 3 of the plans
- 4) No

Name and Type of Shoreline to be Restored or Enhanced (S, F or N; Wetland I, II, or III; Marine)

Lake Washington (S)

Land Uses and Associated Impacts. *Provide the following: 1) describe how the property is used (e.g., residential, commercial, recreational); 2) describe adjacent properties, including land uses and any potential adverse impacts to adjacent properties associated with the proposed project*

- 1) residential
- 2) residential

Toxic and Hazardous Materials Disposal. *Provide the following if applicable: 1) describe removal and disposal plan for hazardous materials on site (e.g. creosote pilings)*

- 1) not applicable

Permits. *Provide the following: 1) a list of all permits necessary for approval of project; 2) copies of all permits secured to date*

- 1) JARPA; HPA; City of Medina Building Permit; City of Medina Demo Permit; City of Medina Grading Drainage Permit; SEPA Exemption
- 2) attached

Grading and Demolition Activities. *Describe the plan to remove structures and grade project areas, including specific construction methods and equipment to be used.*

See pages 3-5 of the plans

Habitat Restoration Activities. *Provide the following that apply: 1) describe site preparation activities (e.g. weed control, substrate to be applied, soil amendment to used); 2) identify the type and source of plant materials (e.g. potted, bareroot, ball and burlap and native plant nurseries providing plant material; 3) describe the care and temporary storage of plant materials; 4) describe installation plan (e.g. planting plan, installation techniques, sheet mulching, etc.)5) describe maintenance and monitoring plan (e.g. number of years to be conducted, survival data collection, etc.)*

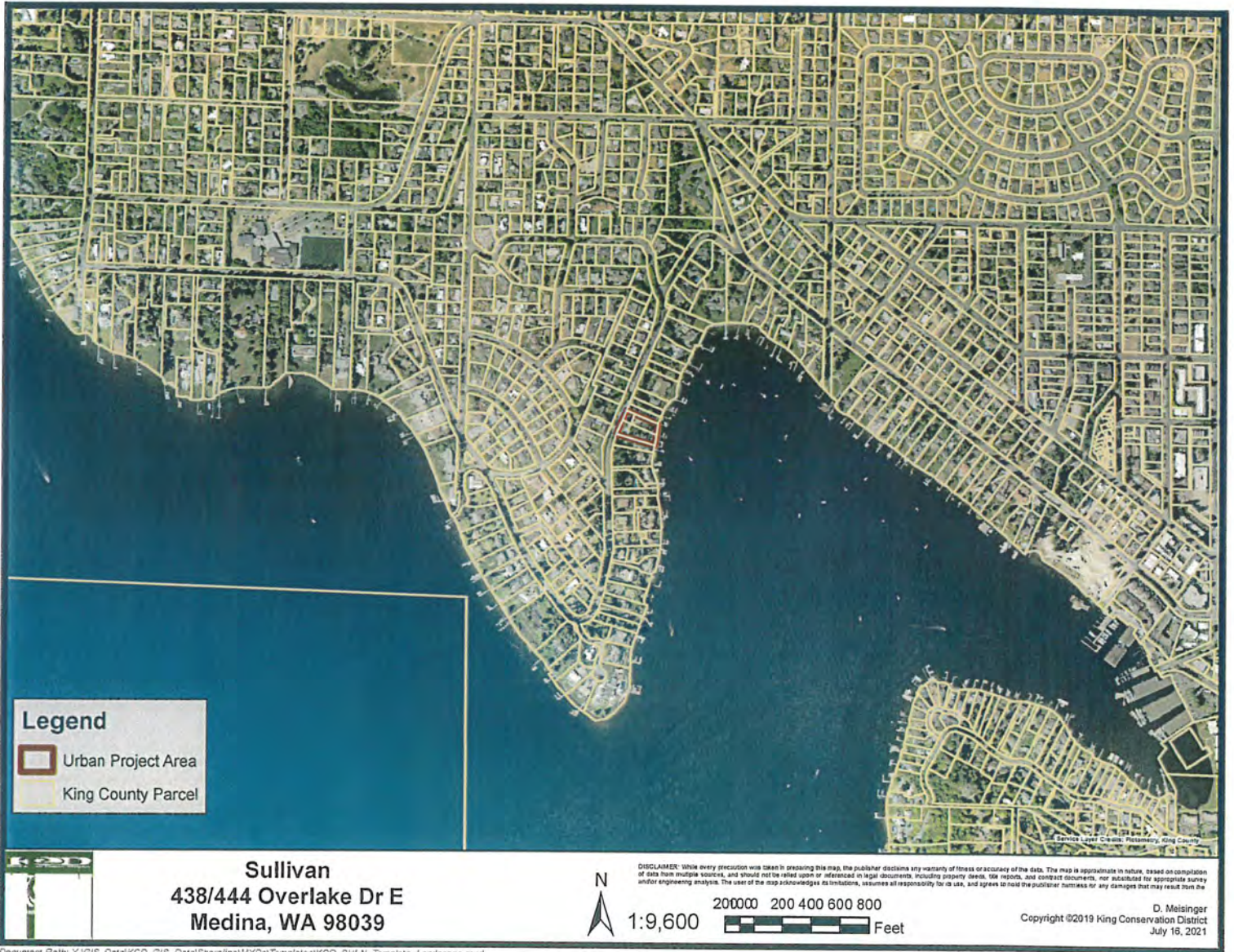
- 1) See page 3 of the plans
- 2) See page 6-7 of the plans for full plant list, including species and sizes.
- 3) N/A
- 4) See page 4 of the plans
- 5) No formal maintenance and monitoring plan was required by local, state, or federal jurisdictions for permit approval as this is a voluntary restoration project, with no mitigation criteria. However, the homeowner will continually monitor shoreline gravel and placement of logs and boulders as outlined below.

Additional Specifications and Notes:

The following are operational and maintenance requirements for the practice. These requirements were adopted primarily, in part, from the NRCS Operation and Maintenance standards for practice 580 (Streambank and Shoreline Protection).

- Inspect after significant storm events and at least annually to identify repair and maintenance needs.
- Inspect all stone structures, rock riprap sections for accelerated weathering and displacement. Replace to original grades if necessary. If maintenance and repair are needed replace any concrete blocks, rock, riprap, or tree revetments, or other practice components to their original positions. Contact your technical service provider or consultant/contractor in the event of significant structure shifting or other damage.
- If holes or scour occur in the areas of shoreline protection practice, repair immediately with erosion resistant materials consistent with the original design.
- Maintain vigorous growth of desirable vegetative coverings. This includes reseeding, fertilization, and controlled application of herbicides when necessary. Periodic mowing may also be needed to control height.
- All settlement or cracks in the soil should be investigated to determine the cause and immediately repaired.
- Large woody debris is a part of many shoreline environments. Most of this material is not a problem. If very large debris enters the practice area and directs flow between rocks or other structures and is causing erosion, contact your technical service provider or consultant/contractor immediately to affect removal of the debris in a manner consistent with federal, state and local laws.
- Eradicate or otherwise remove all rodents or burrowing animals. Immediately repair any damage caused by their activity.
- Protect the practice components from damage from vehicles or animals. Special emphasis should be placed on protecting trees and shrubs on banks and slopes on and near the constructed shoreline protection practice.







Mid Sound Fisheries Enhancement Group

July 13, 2021

Laura Redmond
Landowner Incentive Program Coordinator
King Conservation District
800 SW 39th St., Suite 150
Renton, WA 98057

I am writing on behalf of Mid Sound Fisheries Enhancement Group in support of the shoreline restoration project at 438 and 444 Overlake Drive East in Medina on Lake Washington. Based on our review of the project plans and details, this project aligns with our goals of bulkhead removal and shoreline restoration on Lake Washington for the benefit of water quality, migratory salmon, and other wildlife.

We support this application for funding assistance through the bulkhead removal category of the King Conservation District Landowner Incentive Program because of the following notable project characteristics:

- The proposed project includes removal of 102 linear feet of bulkhead and a 26 linear foot concrete groin on Lake Washington.
- Shoreline gravel, anchored logs, and rounded keystone boulders will be used for beach creation which aims to restore much of the shoreline's natural features and functions.
- This project occurs on Lake Washington where chinook, coho, steelhead, sockeye, and kokanee salmon are known to occur; and, this project is located within a documented lake sockeye spawning area according to WDFW.

In addition to the items above, this project may also serve as an example of the potential of bulkhead removal for achieving aesthetic and water access improvements, which may inspire other landowners to take restorative actions at their own shorelines.

Sincerely,

Sarah Heerhartz, Executive Director
sarah@midsoundfisheries.org

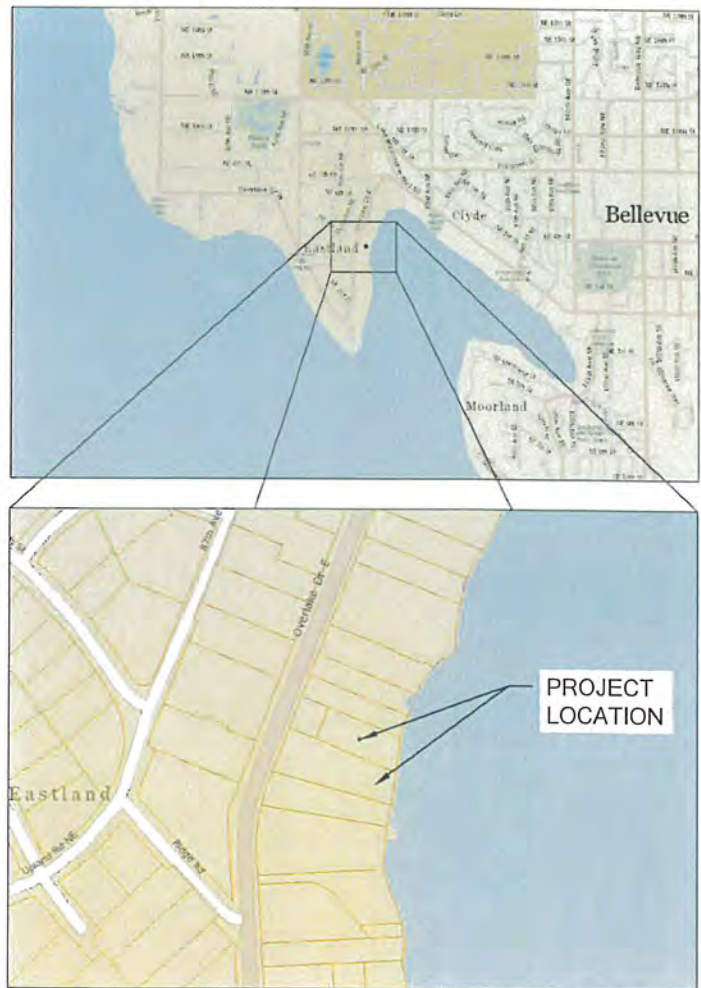
SULLIVAN SHORELINE

NOTES

1. SURVEY CONDUCTED BY TERRANE ON DECEMBER 8, 2016, AND RECEIVED BY THE WATERSHED COMPANY ON OCTOBER 21, 2019. TERRANE 10801 MAIN STREET, SUITE 102, BELLEVUE, WA 98004.
2. OHWL SHOWN ON PLANS IS 18.6 NAVD 88 AND CORPS OF ENGINEERS DATUM IS EQUIVALENT TO 21.8.
3. IN-WATER WORK WINDOW IS JULY 16 - SEPTEMBER 30, PER WDFW.

SHEET INDEX

- 1 TITLE PAGE
- 2 EXISTING CONDITIONS
- 3 DEMO AND TESC PLAN
- 4 SITE PLAN
- 5 SITE SECTIONS
- 6 PLANTING PLAN AND SCHEDULE
- 7 PLANT SCHEDULES



VICINITY MAPS



PURPOSE: NEARSHORE RESTORATION

DATUM: NAVD88

ADJACENT PROPERTY OWNERS:
SEE JARPA APPLICATION

APPLICANT: SUSAN SULLIVAN

REFERENCE #: NWS-2020-398

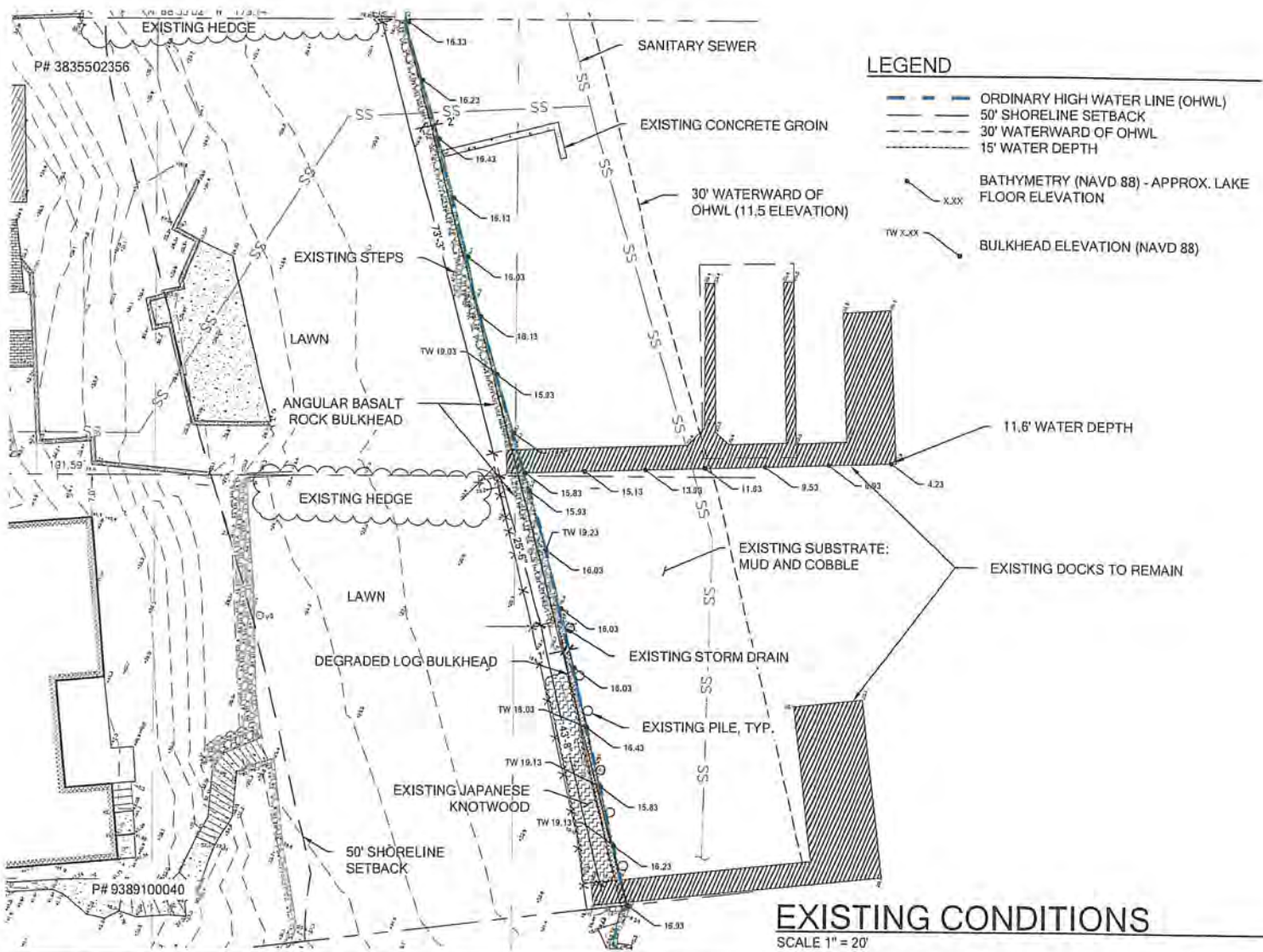
SITE LOCATION ADDRESS: 444 & 438 OVERLAKE
DR. E, MEDINA, WA 98039

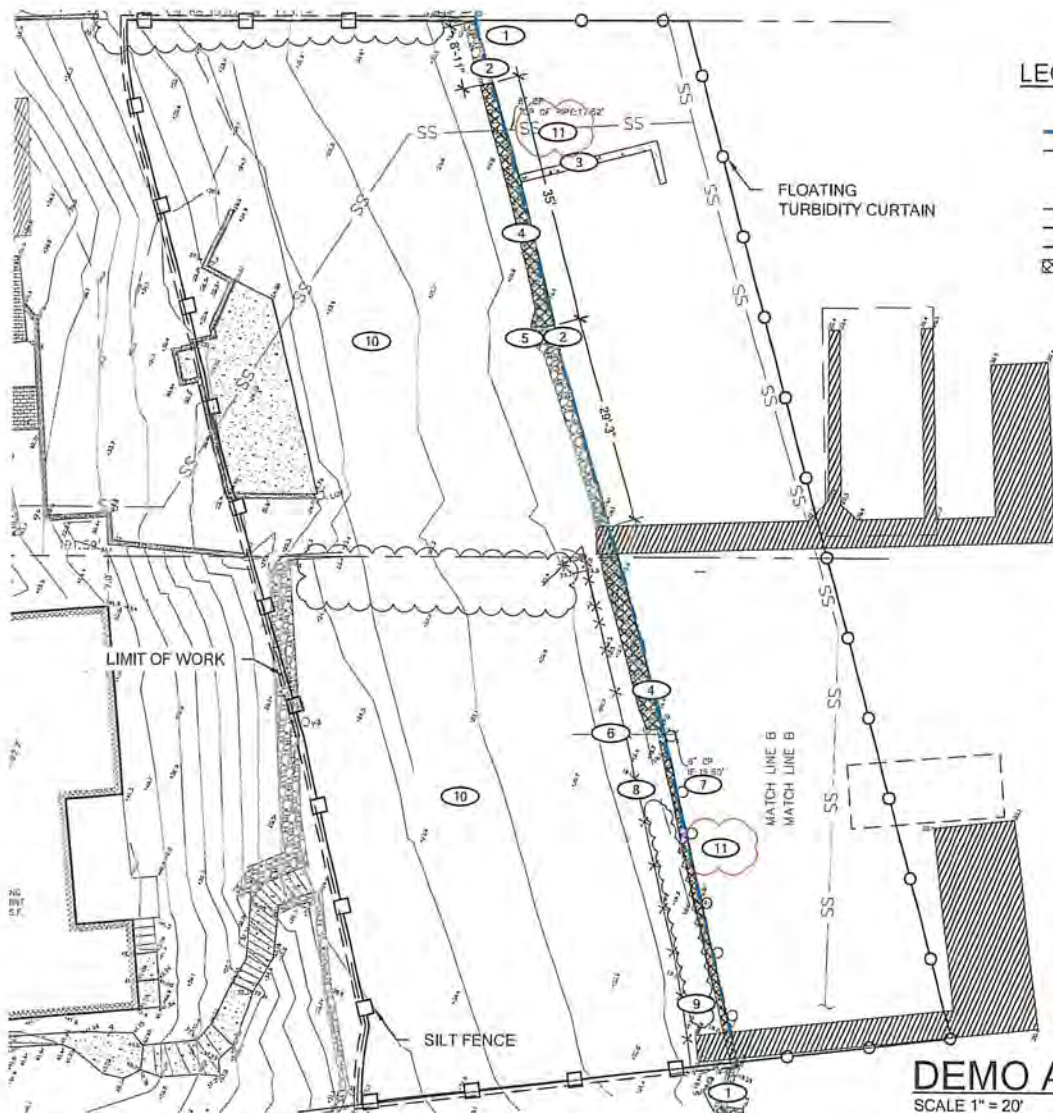
PROPOSED: BULKHEAD REMOVAL, LWD PLACEMENT,
AND BEACH NOURISHMENT

NEAR: LK WASHINGTON AT: MEDINA
COUNTY: KING

SHEET: I

DATE: 10/23/2020





LEGEND

- EXISTING**
- — — — — ORDINARY HIGH WATER LINE (OHWL)
 - — — — — 50' SHORELINE SETBACK
- PROPOSED**
- - - - - LIMIT OF WORK BOUNDARY (L.O.W.)
 - ○ ○ ○ ○ FLOATING TURBIDITY CURTAIN
 - □ □ □ □ SILT FENCE
 - ▨ ▨ ▨ ▨ ▨ BULKHEAD TO BE REMOVED (104 LF)

SITE DEMOLITION NOTES

- ① PROTECT ADJACENT BULKHEAD TO REMAIN.
- ② SAW CUT BULKHEAD.
- ③ REMOVE CONCRETE GROIN AND DISPOSE (26 LF).
- ④ REMOVE BULKHEAD AND DISPOSE (104 LF).
- ⑤ REMOVE CONCRETE STEPS AND DISPOSE.
- ⑥ PROTECT EXISTING STORM DRAIN.
- ⑦ REMOVE EXISTING PILES TO 1' BELOW EXISTING GRADE AND DISPOSE (6 EA.).
- ⑧ REMOVE EXISTING FENCE AND DISPOSE.
- ⑨ REMOVE JAPANESE KNOTWEED AND JAPANESE KNOTWEED INFESTED SOIL AND DISPOSE OF OFFSITE. REMOVE SOIL TO THE DEPTH OF SIX (6) INCHES.
- ⑩ REMOVE EXISTING LAWN.
- ⑪ REMOVE ANGULAR ROCK AND OTHER DEBRIS IN THE NEARSHORE AREA AS FEASIBLE, ESPECIALLY AROUND EXISTING GROIN AND PORTIONS OF BULKHEAD TO BE REMOVED.

DEMO AND TESC PLAN

SCALE 1" = 20'

IN: LK WASHINGTON
AT: MEDINA

REF #: NWS-2020-398

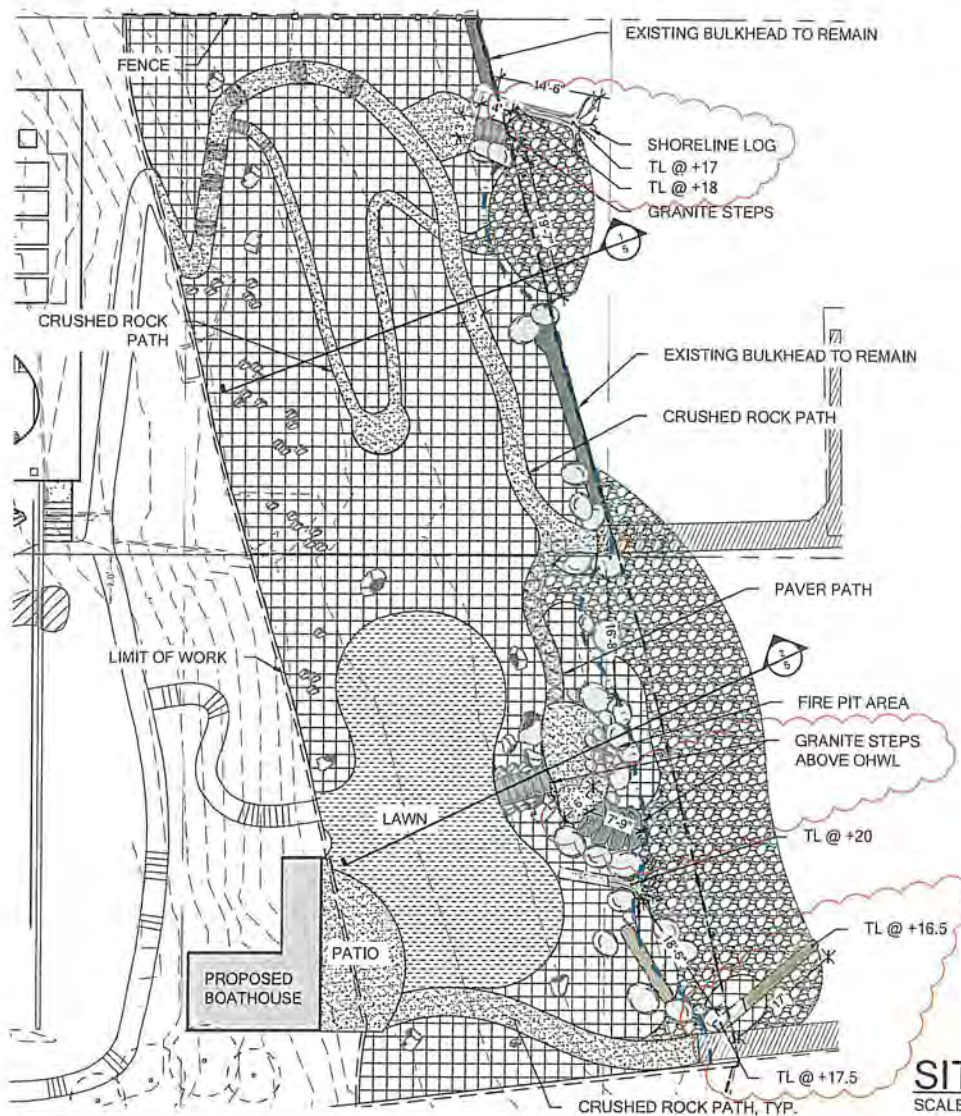
APPLICANT: SUSAN
SULLIVAN

PROPOSED: BULKHEAD REMOVAL, LWD
PLACEMENT, AND BEACH NOURISHMENT

DATE: 10/28/2020
SHEET: 3 OF 7

0 5' 10' 20'





LEGEND

- EXISTING**
- ORDINARY HIGH WATER LINE (OHWL)
 - 50' SHORELINE SETBACK
- PROPOSED**
- ORDINARY HIGH WATER LINE (OHWL)
 - BASALT BOULDER (46 EA - TO BE SOURCED ON SITE)
 - 4-MAN IGNEOUS RIVER BOULDER (10 EA)
 - 3-MAN IGNEOUS RIVER BOULDER (21 EA)
 - 2-MAN IGNEOUS BOULDER (13 EA)
 - ▭ 6' GRANITE STEP (4 EA)
 - ▭ 3' GRANITE STEP (22 EA)
 - ▭ 20" GRANITE STEP (6 EA)
 - ▨ CRUSHED ROCK (1,593 SF)
 - ▨ LAWN (1,204 SF)
 - ▨ PLANTING AREA (4,650 SF)
 - ▨ SHORELINE SPAWNING GRAVEL (APPROX. 32 CY)
 - FENCE (PER CITY OF MEDINA STANDARDS)

SITE PLAN

SCALE 1" = 20'

IN: LK WASHINGTON
AT: MEDINA

REF #: NWS-2020-398

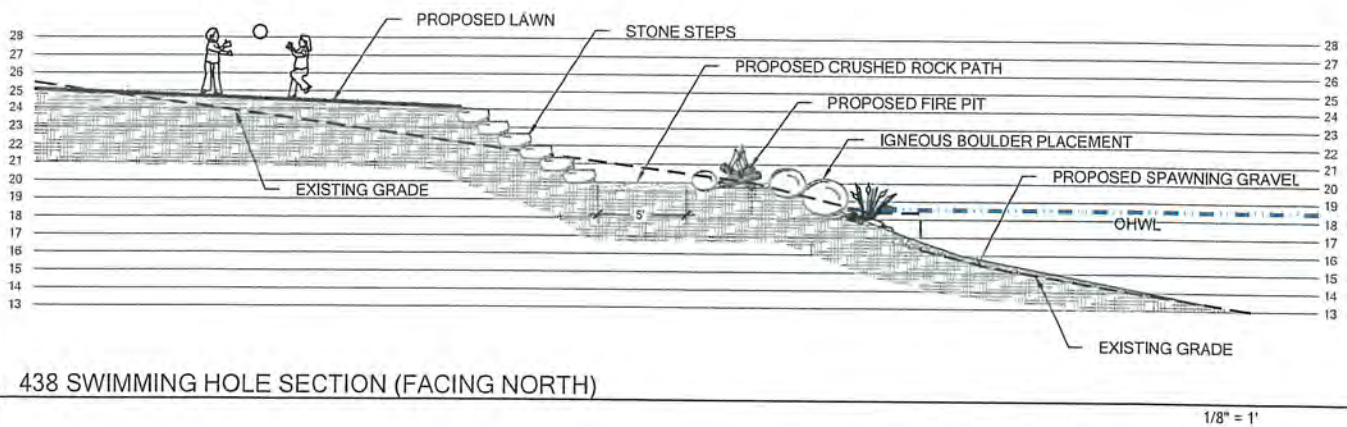
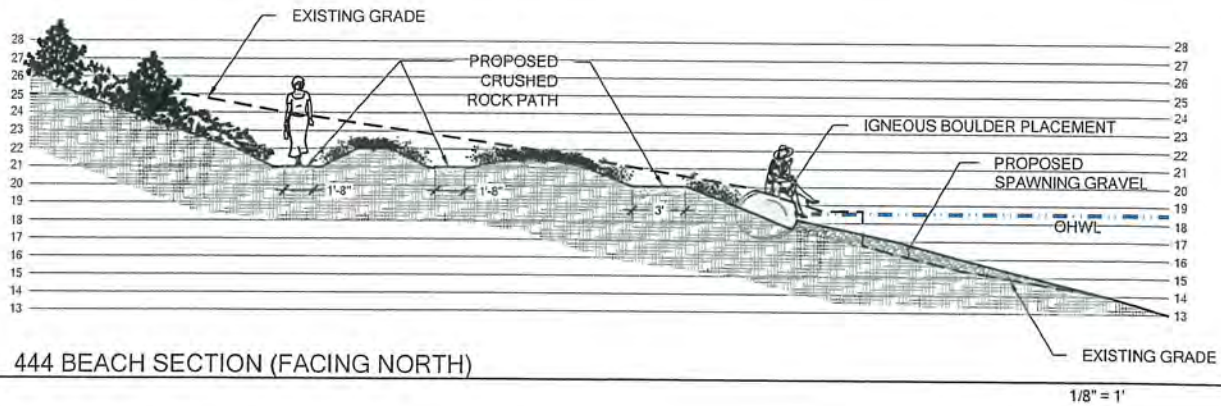
APPLICANT: SUSAN
SULLIVAN

PROPOSED: BULKHEAD REMOVAL, LWD
PLACEMENT, AND BEACH NOURISHMENT

DATE: 10/28/2020
SHEET: 4 OF 7

0 5' 10' 20'





SITE SECTIONS

IN: LK WASHINGTON AT: MEDINA	REF #: NWS-2020-398	APPLICANT: SUSAN SULLIVAN	PROPOSED: BULKHEAD REMOVAL, LWD PLACEMENT, AND BEACH NOURISHMENT	DATE: 10/28/2020 SHEET: 5 OF 7
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LEGEND

- EXISTING**
 - - - - - ORDINARY HIGH WATER LINE (OHWL)
 - - - - - 50' SHORELINE SETBACK
- PROPOSED**
 - - - - - ORDINARY HIGH WATER LINE (OHWL)
- LAWN (1,204 SF)**

PLANTING NOTES

- SEE PLANT SCHEDULE ON SHEET 6 FOR PLANTS INTENDED TO MEET RAP REQUIREMENTS.
- HATCHED AREAS ARE INCLUDED TO CONVEY PROPOSED PLANTING IN THE 50-FOOT SHORELINE SETBACK BUT ARE NOT INTENDED TO MEET RAP REQUIREMENTS. THE ASSOCIATED PLANT SCHEDULES ARE SHOWN ON PAGE 7.

PLANT SCHEDULE FOR RAP REQUIREMENTS

TREES	BOTANICAL / COMMON NAME	SIZE	QTY
	PINUS CONTORTA CONTORTA / SHORE PINE	MIN 6' TALL	1
	THUJA PLICATA / WESTERN RED CEDAR	MIN 6' TALL	1
SHRUBS	BOTANICAL / COMMON NAME	SIZE	QTY
	CORNUS STOLONIFERA / RED TWIG DOGWOOD	1 GALLON	6
	PHILADELPHUS LEWISII / MOCKORANGE	1 GALLON	1
	SYMPHORICARPOS ALBUS / SNOWBERRY	1 GALLON	3

PLANTING PLAN AND SCHEDULE

SCALE 1" = 20'

IN: LK WASHINGTON REF #: NWS-2020-398 APPLICANT: SUSAN SULLIVAN PROPOSED: BULKHEAD REMOVAL, LWD PLACEMENT, AND BEACH NOURISHMENT DATE: 10/28/2020 SHEET: 6 OF 7



PLANT SCHEDULES



HILLSIDE MOSAIC

ACHILLEA MILLEFOLIUM / COMMON YARROW
 ALLIUM CERNUUM / NODDING WILD ONION
 AMELANCHIER ALNIFOLIA / WESTERN SERVICEBERRY
 ANAPHALIS MARGARITACEA / PEARLY EVERLASTING
 ARBUTUS MENZIESII / PACIFIC MADRONE
 ARCTOSTAPHYLOS X MEDIA / MANZANITA
 BRODIAEA CORONARIA / CROWN BRODIAEA
 CEANOTHUS VELUTINUS / SNOWBRUSH
 ELYMUS GLAUCUS / BLUE WILDRYE
 ERICA CARNEA 'NATHALIE' / WINTER HEATH
 ERICA X DARLEYENSIS 'ALBA' / WHITE DARLEY HEATH
 ERIGERON SPECIOSUS / SHOWY FLEABANE
 ERIOPHYLLUM LANATUM / WOOLLY SUNFLOWER
 FESTUCA ROEMERI / ROEMER'S FESCUE
 FRITILLARIA AFFINIS / CHECKER LILY
 GAULTHERIA SHALLON / SALAL
 HOLODISCUS DISCOLOR / OCEAN-SPRAY
 LILIUM COLUMBIANUM / TIGER LILY
 LOMATIUM UTRICULATUM / FINE-LEAVED DESERT PARSLEY
 LUPINUS ALBICAULIS / SICKLE-KEELED LUPINE
 MAHONIA REPENS / CREEPING MAHONIA
 PHILADELPHUS LEWISII / WILD MOCKORANGE
 PINUS CONTORTA CONTORTA / SHORE PINE
 SEDUM OREGANUM / OREGON SEDUM
 SEDUM SPATHULIFOLIUM / BROADLEAF STONECROP
 SYMPHORICARPOS ALBUS / COMMON WHITE SNOWBERRY
 VACCINIUM CAESPITOSUM / DWARF BLUEBERRY
 VACCINIUM MEMBRANACEUM / THINLEAF HUCKLEBERRY
 XEROPHYLLUM TENAX / COMMON BEARGRASS

27 CI POT
 10 CI POT
 1 GALLON
 27 CI POT
 MIN. 6' TALL
 2 GALLON
 BULB
 1 GALLON
 40 CI POT
 4" CONTAINER
 4" CONTAINER
 19 CI POT
 27 CI POT
 40 CI POT
 BULB
 1 GALLON
 1 GALLON
 19 CI POT
 19 CI POT
 4" CONTAINER
 1 GALLON
 1 GALLON
 MIN. 6' TALL
 4" CONTAINER
 4" CONTAINER
 1 GALLON
 40 CI POT
 2 GALLON
 27 CI POT



SEEP MOSAIC

ACHILLEA MILLEFOLIUM / COMMON YARROW
 AQUILEGIA FORMOSA / WESTERN COLUMBINE
 CAREX PACHYSTACHYA / THICK-HEAD SEDGE
 DESCHAMPSIA CESPITOSA / TUFTED HAIR GRASS
 ERYTHRONIUM OREGONUM / FAWN LILY
 HEUCHERA MICRANTHA / ALUM ROOT
 IRIS TENAX / OREGON IRIS
 LILIUM COLUMBIANUM / TIGER LILY
 PENSTEMON SERRULATUS / COAST PENSTEMON
 SEDUM OREGANUM / OREGON SEDUM
 SEDUM SPATHULIFOLIUM / BROADLEAF STONECROP
 SPIRAEA LUCIDA / SHINYLEAF SPIRAEA
 VACCINIUM CAESPITOSUM / DWARF BLUEBERRY
 VACCINIUM MEMBRANACEUM / THINLEAF HUCKLEBERRY

27 CI POT
 40 CI POT
 40 CI POT
 40 CI POT
 BULB
 19 CI POT
 4" CONTAINER
 19 CI POT
 40 CI POT
 4" CONTAINER
 4" CONTAINER
 1 GALLON
 40 CI POT
 1 GALLON



SHORELINE MOSAIC

CAMASSIA LEICHTLINII / GREAT CAMAS
 CAMASSIA QUAMASH / COMMON CAMAS
 CAREX OBNUPTA / SLOUGH SEDGE
 CAREX PACHYSTACHYA / THICK-HEAD SEDGE
 DESCHAMPSIA CESPITOSA / TUFTED HAIR GRASS
 ERIGERON SPECIOSUS / SHOWY FLEABANE
 ERYTHRANTHE GUTTATA / YELLOW MONKEYFLOWER
 MAHONIA REPENS / CREEPING MAHONIA
 MYRICA GALE / SWEETGALE
 SEDUM OREGANUM / OREGON SEDUM
 SEDUM SPATHULIFOLIUM / BROADLEAF STONECROP
 SIDALCEA HENDERSONII / HENDERSON'S CHECKERBLOOM
 SISYRINCHIUM IDAHOENSIS / IDAHO BLUE EYED GRASS
 SPIRAEA LUCIDA / SHINYLEAF SPIRAEA
 SYMPHYOTRICHUM SUBSPICATUM / DOUGLAS ASTER

BULB
 BULB
 40 CI POT
 40 CI POT
 40 CI POT
 40 CI POT
 19 CI POT
 27 CI POT
 1 GALLON
 1 GALLON
 4" CONTAINER
 4" CONTAINER
 27 CI POT
 19 CI POT
 1 GALLON
 40 CI POT



MEADOW MOSAIC

ACHILLEA MILLEFOLIUM / COMMON YARROW
 ALLIUM CERNUUM / NODDING WILD ONION
 AQUILEGIA FORMOSA / WESTERN COLUMBINE
 CAMASSIA LEICHTLINII / GREAT CAMAS
 CAMASSIA QUAMASH / COMMON CAMAS
 CAREX PACHYSTACHYA / THICK-HEAD SEDGE
 CLARKIA AMOENA / FAREWELL TO SPRING
 COLLOMIA GRANDIFLORA / LARGE-FLOWERED COLLOMIA
 COREOPSIS TINCTORIA / PLAINS COREOPSIS
 DANTHONIA CALIFORNICA / CALIFORNIA OATGRASS
 DESCHAMPSIA CESPITOSA / TUFTED HAIR GRASS
 DODECATHEON PULCHELLUM / SIERRA SHOOTING STAR
 ERIGERON SPECIOSUS / SHOWY FLEABANE
 FESTUCA ROEMERI / ROEMER'S FESCUE
 GILIA CAPITATA / BLUE THIMBLE FLOWER
 IRIS TENAX / OREGON IRIS
 LILIUM COLUMBIANUM / TIGER LILY
 PLECTRITIS CONGESTA / SHORTSPUR SEABLUSH
 ROSA NUTKANA / NOOTKA ROSE
 SIDALCEA HENDERSONII / HENDERSON'S CHECKERBLOOM
 SISYRINCHIUM IDAHOENSIS / IDAHO BLUE EYED GRASS

27 CI POT
 10 CI POT
 40 CI POT
 40 CI POT
 BULB
 BULB
 40 CI POT
 SEED MIX
 SEED MIX
 SEED MIX
 40 CI POT
 40 CI POT
 19 CI POT
 19 CI POT
 40 CI POT
 SEED MIX
 4" CONTAINER
 19 CI POT
 SEED MIX
 SEED MIX
 1 GALLON
 27 CI POT
 19 CI POT



EMERGENT MOSAIC

ELEOCHARIS PALUSTRIS / COMMON SPIKERUSH
 SAGITTARIA LATIFOLIA / WAPATO
 SCHOENOPLECTUS ACUTUS / HARDSTEM BULRUSH
 SCIRPUS MICROCARPUS / SMALL-FRUITED BULRUSH

40 CI POT
 BULB/TUBER
 40 CI POT
 40 CI POT

PLANT SCHEDULES

SCALE 1" = 20'

IN: LK WASHINGTON
 AT: MEDINA

REF #: NWS-2020-398

APPLICANT: SUSAN
 SULLIVAN

PROPOSED: BULKHEAD REMOVAL, LWD
 PLACEMENT, AND BEACH NOURISHMENT

DATE: 10/28/2020
 SHEET: 7 OF 7



DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS, SEATTLE DISTRICT
P.O. BOX 3755
SEATTLE, WASHINGTON 98124-3755

Regulatory Branch

September 14, 2020

Ms. Susan Sullivan
1645 Rambling Lane
Medina, Washington 98039

Reference: NWS-2020-398
Sullivan, Susan
(Sullivan Bulkhead)

Dear Ms. Sullivan:

We have reviewed your application to remove 101 linear feet of existing log bulkhead and 6 associated wood piles; remove an existing 26-foot groin; retain 38 linear feet of an existing rock bulkhead; place 26 cubic yards (CY) of boulders, 4 CY of gravel, and 4 anchored logs totaling 5 CY; and place 32 CY of spawning gravel to enhance the shoreline and maintain existing bank protection in Lake Washington at Medina, King County, Washington. Based on the information you provided to us, Nationwide Permits (NWP) 3, *Maintenance* and 27, *Aquatic Habitat Restoration, Enhancement, and Establishment Activities* (Federal Register January 6, 2017, Vol. 82, No. 4), authorize your proposal as depicted on the enclosed drawings dated August 3, 2020.

In order for this authorization to be valid, you must ensure the work is performed in accordance with the enclosed *NWP 3 and 27 Terms and Conditions* and the following special conditions:

a. In order to meet the requirements of the Endangered Species Act (ESA) and Magnuson-Stevens Fishery Conservation and Management Act (MSA) Restoration and Permitting (RAP) programmatic consultation (National Marine Fisheries Service (NMFS) Reference Number WCRO-2016-00008), you must implement and abide by the ESA requirements and/or agreements set forth in the Biological Opinion (BO) dated February 17, 2017, the NMFS' RAP Implementation Guide dated July 25, 2019, and the RAP form for your individual project (NMFS Reference Number WCRO-2016-00008- 2108). The BO is available on the U.S. Army Corps of Engineers (Corps) website (Permit Guidebook, Endangered Species, Programmatic Consultations, Activities on Lakes Washington and Sammamish). Upon completion of the permitted work, you must submit an As-Built Report (see RAP Implementation Guide, Appendix E) to the Corps and the NMFS (rap-reports.wcr@noaa.gov). You must visually monitor the work area during construction when the substrate is disturbed and ensure that observable

turbidity increases do not extend beyond a 150-foot radius around the work area. If turbidity increases occur beyond this area, you must include it in your As-Built Report. You must comply with any required RAP planting plan (see RAP Implementation Guide, Appendices C and D) requirements and submit annual monitoring reports for five years to the Corps and the NMFS (rap-reports.wcr@noaa.gov). All reports must prominently display the reference number NWS-2020-398. Failure to comply with these requirements constitutes non-compliance with the ESA and your Corps permit. The NMFS is the appropriate authority to determine compliance with the terms and conditions of its BO and with the ESA. If you cannot comply with the terms and conditions of this programmatic consultation, you must, prior to commencing construction, contact the Corps, Seattle District, Regulatory Branch for an individual consultation in accordance with the requirements of the ESA and/or the MSA.

b. Incidents where any individuals of fish species, marine mammals and/or sea turtles listed by National Oceanic and Atmospheric Administration Fisheries (NOAA Fisheries) under the Endangered Species Act appear to be injured or killed as a result of discharges of dredged or fill material into waters of the U.S. or structures or work in navigable waters of the U.S. authorized by this Nationwide Permit verification shall be reported to NOAA Fisheries, Office of Protected Resources at (301) 713-1401 and the Regulatory Office of the Seattle District of the U.S. Army Corps of Engineers at (206) 764-3495. The finder should leave the animal alone, make note of any circumstances likely causing the death or injury, note the location and number of individuals involved and, if possible, take photographs. Adult animals should not be disturbed unless circumstances arise where they are obviously injured or killed by discharge exposure or some unnatural cause. The finder may be asked to carry out instructions provided by NOAA Fisheries to collect specimens or take other measures to ensure that evidence intrinsic to the specimen is preserved.

c. In order to meet the requirements of the Endangered Species Act (ESA) programmatic letter of concurrence for selected activities in the Lake Washington/Lake Sammamish Basins (U.S. Fish and Wildlife Service (USFWS) Reference Number 13410-2009-I-0386-R001) you must comply with the relevant conservation measures in the document titled, Conservation Measures for Activities Covered under the Lake Washington Programmatic Consultation Letter of Concurrence available on the U.S. Army Corps of Engineers (Corps) website (Permit Guidebook, Endangered Species, Programmatic Consultations, Activities on Lakes Washington and Sammamish). If you cannot comply with these conservation measures, you must, prior to commencing construction, contact the Corps, Seattle District, Regulatory Branch for an individual consultation in accordance with the requirements of the ESA. The USFWS is the appropriate authority to determine compliance with the ESA.

d. In order to meet the requirements of the Endangered Species Act you may conduct the authorized activities from July 16 through April 30 in any year this permit is valid. You shall not conduct work authorized by this permit from May 1 through July 15 in any year this permit is valid.

We have reviewed your project pursuant to the requirements of the Endangered Species Act, the Magnuson-Stevens Fishery Conservation and Management Act and the National Historic Preservation Act. We have determined this project complies with the requirements of these laws provided you comply with all of the permit general and special conditions.

Please be reminded that Special Condition "a" of your permit requires that you implement and abide by the Endangered Species Act (ESA) requirements set forth in the programmatic Biological Opinion (BO) for this project. In particular, you must provide an As-Built Report upon completion of the work and annual monitoring reports, as described in the BO.

The authorized work complies with the Washington State Department of Ecology's (Ecology) Water Quality Certification (WQC) requirements and Coastal Zone Management (CZM) consistency determination response for this NWP. No further coordination with Ecology for WQC and CZM is required.

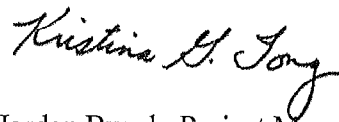
You have not requested a jurisdictional determination for this proposed project. If you believe the U.S. Army Corps of Engineers does not have jurisdiction over all or portions of your project you may request a preliminary or approved jurisdictional determination (JD). If one is requested, please be aware that we may require the submittal of additional information to complete the JD and work authorized in this letter may not occur until the JD has been completed.

Our verification of this NWP authorization is valid until March 18, 2022, unless the NWP is modified, reissued, or revoked prior to that date. If the authorized work has not been completed by that date and you have commenced or are under contract to commence this activity before March 18, 2022, you will have until March 18, 2023, to complete the activity under the enclosed terms and conditions of this NWP. Failure to comply with all terms and conditions of this NWP verification invalidates this authorization and could result in a violation of Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act. You must also obtain all local, State, and other Federal permits that apply to this project.

Upon completing the authorized work, you must fill out and return the enclosed *Certificate of Compliance with Department of the Army Permit*. Thank you for your cooperation during the permitting process. We are interested in your experience with our Regulatory Program and encourage you to complete a customer service survey. These documents and information about

our program are available on our website at www.nws.usace.army.mil, select "Regulatory Branch, Permit Information" and then "Contact Us." A copy of this letter will be furnished to Alex Capron, The Watershed Company, at acapron@watershedco.com. If you have any questions, please contact me at jordan.a.bunch@usace.army.mil or (206) 764-3482.

Sincerely,

A handwritten signature in black ink, reading "Kristina H. Long". The signature is written in a cursive style with a large, stylized "K" and a long, sweeping "g".

for Jordan Bunch, Project Manager
Regulatory Branch

Enclosures



HYDRAULIC PROJECT APPROVAL

Washington Department of
Fish & Wildlife
PO Box 43234
Olympia, WA 98504-3234
(360) 902-2200

Issued Date: October 30, 2020
Project End Date: October 29, 2025

Permit Number: 2020-4-855+01
FPA/Public Notice Number: N/A
Application ID: 23078

PERMITTEE	AUTHORIZED AGENT OR CONTRACTOR
Susan Sullivan 1645 Rambling Lane Medina, WA 98039	Watershed Company ATTENTION: Alex Capron 750 6th St S Kirkland, WA 98033-6715

Project Name: Sullivan Residence

Project Description: The proposed project includes selected bulkhead removal; and the placement of gravel, anchored logs, and keystone boulders for beach creation at both 438 and 444 Overlake Drive East in Medina. Cumulatively, 101 linear feet of bulkhead removal will occur, 34 linear feet at 444 Overlake Drive East and 67 linear feet at 438 Overlake Drive East. In addition, a 26-foot groin on 444 Overlake Drive E will be removed. Finally, two separate areas of enhancement plantings will be installed adjacent to the OHWM.

PROVISIONS

1. This STANDARD Hydraulic Project Approval (HPA) is issued for:

A. Shoreline modification and enhancement along two adjacent residential properties, including:

- i) Permanent removal of approximately 101 linear feet of bulkhead and (6) associated piles;
- ii) Removal and disposal of a 26-foot long concrete groin;
- iii) Removal of fallen bulkhead material and other debris from the nearshore area;
- iv) Installation of spawning gravels along the shoreline and nearshore area;
- v) Installation of (4) pieces of large woody material and (44) 2-4 man rounded boulders near the shoreline;
- vi) Installation of granite stairs landward of the ordinary high water line; AND
- vii) Implementation of native shoreline plantings, consisting of invasive species eradication and control, installation of 2 trees and 10 shrubs within 10 feet of the ordinary high water line, and installation of a variety of groundcover and emergent species along the shoreline.

TIMING - PLANS - INVASIVE SPECIES CONTROL

2. **TIMING LIMITATION:** You may begin the project immediately and you must complete the project by October 29, 2025, provided any work below the ordinary high water line occur between July 16 and September 30 of a given calendar year.

NOTE: This project occurs on Lake Washington where chinook, coho, steelhead, sockeye, and kokanee salmon are known to occur. This project is located within a documented lake sockeye spawning area.

3. **APPROVED PLANS:** You must accomplish the work per plans and specifications submitted with the application and approved by the Washington Department of Fish and Wildlife, entitled, "20201028-JARPA-SULLIVAN.pdf," received October 30, 2020, and all supporting documents and communications uploaded to the Aquatic Protection Permitting System (APPS) project file; except as modified by this Hydraulic Project Approval. You must have a copy of these plans available on site during all phases of the project construction.

4. **INVASIVE SPECIES CONTROL:** Follow Method 1 for low risk locations (i.e. clean/drain/dry). Thoroughly remove visible dirt and debris from all equipment and gear (including drive mechanisms, wheels, tires, tracks, buckets, and



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undercarriage) before arriving and leaving the job site to prevent the transport and introduction of invasive species. For contaminated or high risk sites please refer to the Method 2 Decontamination protocol. Properly dispose of any water and chemicals used to clean gear and equipment. You can find this and additional information in the Washington Department of Fish and Wildlife's "Invasive Species Management Protocols", available online at <https://wdfw.wa.gov/species-habitats/invasive/prevention>.

NOTIFICATION REQUIREMENTS

5. **PRE- AND POST-CONSTRUCTION NOTIFICATION:** You, your agent, or contractor must contact the Washington Department of Fish and Wildlife by e-mail at HPAapplications@dfw.wa.gov; mail to Post Office Box 43234, Olympia, Washington 98504-3234; or fax to (360) 902-2946 at least three business days before starting work, and again within seven days after completing the work. The notification must include the permittee's name, project location, starting date for work or date the work was completed, and the permit number. The Washington Department of Fish and Wildlife may conduct inspections during and after construction; however, the Washington Department of Fish and Wildlife will notify you or your agent before conducting the inspection.

6. **PHOTOGRAPHS:** You, your agent, or contractor must take photographs of the job site before the work begins and after the work is completed. You must upload the photographs to the post-permit requirement page in the Aquatic Protection Permitting System (APPS) or mail them to Washington Department of Fish and Wildlife at Post Office Box 43234, Olympia, Washington 98504-3234 within 30-days after the work is completed.

7. **FISH KILL/ WATER QUALITY PROBLEM NOTIFICATION:** If a fish kill occurs or fish are observed in distress at the job site, immediately stop all activities causing harm. Immediately notify the Washington Department of Fish and Wildlife of the problem. If the likely cause of the fish kill or fish distress is related to water quality, also notify the Washington Military Department Emergency Management Division at 1-800-258-5990. Activities related to the fish kill or fish distress must not resume until the Washington Department of Fish and Wildlife gives approval. The Washington Department of Fish and Wildlife may require additional measures to mitigate impacts.

STAGING, JOB SITE ACCESS, AND EQUIPMENT

8. Establish staging areas (used for equipment storage, vehicle storage, fueling, servicing, and hazardous material storage) in a location and manner that will prevent contaminants such as petroleum products, hydraulic fluid, fresh concrete, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials from entering waters of the state.

9. Clearly mark boundaries to establish the limit of work associated with site access and construction.

10. Limit the use of equipment waterward of the ordinary high water line to that necessary to gain position for the work.

11. Remove soil or debris from the drive mechanisms (wheels, tires, tracks, etc.) and undercarriage of equipment prior to operating the equipment waterward of the ordinary high water line.

12. If wet or muddy conditions exist, in or near a riparian zone or wetland area, use equipment that reduces ground pressure.

13. Check equipment daily for leaks and complete any required repairs in an upland location before using the equipment in or near the water.

14. Use environmentally acceptable lubricants composed of biodegradable base oils such as vegetable oils, synthetic esters, and polyalkylene glycols in equipment operated in or near the water.

15. Operate and anchor vessels and barges during construction in a manner that protects native aquatic vegetation and prevents grounding.

CONSTRUCTION-RELATED SEDIMENT, EROSION AND POLLUTION CONTAINMENT

16. Protect all disturbed areas from erosion. Maintain erosion and sediment control until all work and cleanup of the job site is complete.

17. All erosion control materials that will remain onsite must be composed of 100% biodegradable materials.



HYDRAULIC PROJECT APPROVAL

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18. Straw used for erosion and sediment control, must be certified free of noxious weeds and their seeds.
19. Stop all hydraulic project activities except those needed to control erosion and siltation, if flow conditions arise that will result in erosion or siltation of waters of the state.
20. Prevent project contaminants, such as petroleum products, hydraulic fluid, fresh concrete, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials, from entering or leaching into waters of the state.
21. Use tarps or other methods to prevent treated wood, sawdust, trimmings, drill shavings and other debris from contacting the bed or waters of the state.
22. Deposit waste material from the project, such as construction debris, silt, excess dirt, or overburden, in an upland area above the limits of anticipated floodwater unless the material is approved by the Washington Department of Fish and Wildlife for reuse in the project.
23. Deposit all trash from the project at an appropriate upland disposal location.

CONSTRUCTION MATERIALS

24. Store all construction and deconstruction material in a location and manner that will prevent contaminants such as petroleum products, hydraulic fluid, fresh cement, sediments, sediment-laden water, chemicals, or any other toxic or harmful materials from entering waters of the state.
25. Do not stockpile construction material waterward of the ordinary high water line, unless it is contained on a barge.

PILE REMOVAL

26. Remove the 6 existing piling as shown in the approved plans and dispose of them in an upland area unless the material is approved by the Washington Department of Fish and Wildlife for reuse in the project.
27. Piling removal:
 - a. Vibratory or direct pull extraction is the preferred method of pile removal.
 - b. Place the piling on a construction barge or other dry storage site after the piling is removed. The piling must not be shaken, hosed off, left hanging to dry or any other action intended to clean or remove adhering material from the piling near waters of the state.
 - c. If a treated wood piling breaks during extraction, remove the stump from the water column by fully extracting. If the stump cannot be fully extracted, remove the remainder of the stump with a clamshell bucket, chain, or similar means, or cut it off three feet below the mudline. Cap all buried cut stumps and fill holes left by piling extraction with clean sediment that matches the native material.
 - d. When removing creosote piling, containment booms and absorbent booms (or other oil absorbent fabric) must be placed around the perimeter of the work area to capture wood debris, oil, and other materials released into marine waters as a result of construction activities to remove creosote pilings. All debris on the bed and accumulated in containment structures must be collected and disposed upland at an approved disposal site.
 - e. Submit post-project surveys (e.g., underwater video, photos at low-tide) along transects within the project area to Washington Department of Fish and Wildlife within two weeks of pile removal to verify debris removal.

LAKE SHORELINE RESTORATION

28. Remove approximately 101 linear feet of the existing bulkhead and associated materials from the beach and deposit in an upland area above the limits of floodwater, as shown in the approved plans.
29. Use fir, cedar, or other coniferous species to construct the log or rootwad fish habitat structure(s).
30. Securely anchor the large wood (embedded, chain, cable, duckbill, or manta ray anchors) to provide stable and functional lakeshore habitat.
31. Do not drag large woody material. Suspend large woody material during placement and repositioning so it does not damage the bed or banks.
32. Large woody material and rounded boulders placed waterward of the ordinary high water line must not be placed at



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Permit Number: 2020-4-855+01
FPA/Public Notice Number: N/A
Application ID: 23078

a depth greater than 2 feet as measured vertically from the ordinary high water line elevation, as shown in the approved plans.

33. All shoreline feature logs and boulders must be placed and/or secured in such a manner that will allow them to withstand high water and wave energy.

34. Do not stockpile dredged material waterward of the ordinary high water line.

35. The installation of 32 cubic yards of spawning gravels along the shoreline and nearshore area is required as part of this HPA. The gravel specification (washed 2-inch) is 100% less than 2 inches, 85% less than 1 inch, and 40% between 0.25 and 0.75 inch.

36. Excavated or removed unnatural shoreline materials (e.g. quarry spalls, concrete, refuse, bricks, etc.) must be removed from the lakebed in and around project site and disposed of at an appropriate facility.

37. Reslope the banks to an appropriate angle which promotes shoreline stability.

38. Replant the job site with the plant species composition and planting densities approved by the Washington Department of Fish and Wildlife.

39. Complete replanting of riparian vegetation during the first dormant season (late fall through late winter) after project completion per the approved plan. Maintain plantings for at least three years to ensure at least eighty percent of the plantings survive. Failure to achieve the eighty percent survival in year three will require you to submit a plan with follow-up measures to achieve requirements or reasons to modify requirements.

40. Install fencing or other structures to prevent livestock, wildlife, or unauthorized persons from accessing the replanted riparian and wetland sites until the plantings are well established.

DEMobilization and Cleanup

41. Upon completion of the project, remove all materials or equipment from the site and dispose of all excess spoils and waste materials in an upland area above the limits of anticipated floodwater.

42. Remove temporary erosion and sediment control methods after job site is stabilized or within three months of project completion, whichever is sooner.

43. To prevent fish from stranding, backfill trenches, depressions, and holes in the bed that may entrain fish during high water or wave action.

LOCATION #1:	444/438 Overlake DR E, , WA					
WORK START:	October 30, 2020			WORK END:	October 29, 2025	
WRIA	Waterbody:			Tributary to:		
08 - Cedar - Sammamish	Lake Washington			Ship Canal		
1/4 SEC:	Section:	Township:	Range:	Latitude:	Longitude:	County:
	31	25 N	05 E	47.613366	-122.222915	King
Location #1 Driving Directions						



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From I-405:

Take the exit for NE 8th St; Head west on NE 8th St;

Continue onto NE 1st Street;

Turn left onto Lake Washington Blvd NE;

Turn right onto Overlake Dr E;

Continue south through the intersection at Overlake Drive E towards the project site which is on the left.

APPLY TO ALL HYDRAULIC PROJECT APPROVALS

This Hydraulic Project Approval pertains only to those requirements of the Washington State Hydraulic Code, specifically Chapter 77.55 RCW. Additional authorization from other public agencies may be necessary for this project. The person(s) to whom this Hydraulic Project Approval is issued is responsible for applying for and obtaining any additional authorization from other public agencies (local, state and/or federal) that may be necessary for this project.

This Hydraulic Project Approval shall be available on the job site at all times and all its provisions followed by the person(s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work.

This Hydraulic Project Approval does not authorize trespass.

The person(s) to whom this Hydraulic Project Approval is issued and operator(s) performing the work may be held liable for any loss or damage to fish life or fish habitat that results from failure to comply with the provisions of this Hydraulic Project Approval.

Failure to comply with the provisions of this Hydraulic Project Approval could result in civil action against you, including, but not limited to, a stop work order or notice to comply, and/or a gross misdemeanor criminal charge, possibly punishable by fine and/or imprisonment.

All Hydraulic Project Approvals issued under RCW 77.55.021 are subject to additional restrictions, conditions, or revocation if the Department of Fish and Wildlife determines that changed conditions require such action. The person(s) to whom this Hydraulic Project Approval is issued has the right to appeal those decisions. Procedures for filing appeals are listed below.



HYDRAULIC PROJECT APPROVAL

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MINOR MODIFICATIONS TO THIS HPA: You may request approval of minor modifications to the required work timing or to the plans and specifications approved in this HPA unless this is a General HPA. If this is a General HPA you must use the Major Modification process described below. Any approved minor modification will require issuance of a letter documenting the approval. A minor modification to the required work timing means any change to the work start or end dates of the current work season to enable project or work phase completion. Minor modifications will be approved only if spawning or incubating fish are not present within the vicinity of the project. You may request subsequent minor modifications to the required work timing. A minor modification of the plans and specifications means any changes in the materials, characteristics or construction of your project that does not alter the project's impact to fish life or habitat and does not require a change in the provisions of the HPA to mitigate the impacts of the modification. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a minor modification through APPS. A link to APPS is at <http://wdfw.wa.gov/licensing/hpa/>. If you did not use APPS you must submit a written request that clearly indicates you are seeking a minor modification to an existing HPA. Written requests must include the name of the applicant, the name of the authorized agent if one is acting for the applicant, the APP ID number of the HPA, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, and the requestor's signature. Send by mail to: Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234, or by email to HPAapplications@dfw.wa.gov. You should allow up to 45 days for the department to process your request.

MAJOR MODIFICATIONS TO THIS HPA: You may request approval of major modifications to any aspect of your HPA. Any approved change other than a minor modification to your HPA will require issuance of a new HPA. If you originally applied for your HPA through the online Aquatic Protection Permitting System (APPS), you may request a major modification through APPS. A link to APPS is at <http://wdfw.wa.gov/licensing/hpa/>. If you did not use APPS you must submit a written request that clearly indicates you are requesting a major modification to an existing HPA. Written requests must include the name of the applicant, the name of the authorized agent if one is acting for the applicant, the APP ID number of the HPA, the date issued, the permitting biologist, the requested changes to the HPA, the reason for the requested change, the date of the request, and the requestor's signature. Send your written request by mail to: Washington Department of Fish and Wildlife, PO Box 43234, Olympia, Washington 98504-3234. You may email your request for a major modification to HPAapplications@dfw.wa.gov. You should allow up to 45 days for the department to process your request.

APPEALS INFORMATION

If you wish to appeal the issuance, denial, conditioning, or modification of a Hydraulic Project Approval (HPA), Washington Department of Fish and Wildlife (WDFW) recommends that you first contact the department employee who issued or denied the HPA to discuss your concerns. Such a discussion may resolve your concerns without the need for further appeal action. If you proceed with an appeal, you may request an informal or formal appeal. WDFW encourages you to take advantage of the informal appeal process before initiating a formal appeal. The informal appeal process includes a review by department management of the HPA or denial and often resolves issues faster and with less legal complexity than the formal appeal process. If the informal appeal process does not resolve your concerns, you may advance your appeal to the formal process. You may contact the HPA Appeals Coordinator at (360) 902-2534 for more information.

A. INFORMAL APPEALS: WAC 220-660-460 is the rule describing how to request an informal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete informal appeal procedures. The following information summarizes that rule.



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A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request an informal appeal of that action. You must send your request to WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, PO Box 43234, Olympia, Washington 98504-3234; e-mail to HPAapplications@dfw.wa.gov; fax to (360) 902-2946; or hand-delivery to the Natural Resources Building, 1111 Washington St SE, Habitat Program, Fifth floor. WDFW must receive your request within 30 days from the date you receive notice of the decision. If you agree, and you applied for the HPA, resolution of the appeal may be facilitated through an informal conference with the WDFW employee responsible for the decision and a supervisor. If a resolution is not reached through the informal conference, or you are not the person who applied for the HPA, the HPA Appeals Coordinator or designee may conduct an informal hearing or review and recommend a decision to the Director or designee. If you are not satisfied with the results of the informal appeal, you may file a request for a formal appeal.

B. FORMAL APPEALS: WAC 220-660-470 is the rule describing how to request a formal appeal of WDFW actions taken under Chapter 77.55 RCW. Please refer to that rule for complete formal appeal procedures. The following information summarizes that rule.

A person who is aggrieved by the issuance, denial, conditioning, or modification of an HPA may request a formal appeal of that action. You must send your request for a formal appeal to the clerk of the Pollution Control Hearings Boards and serve a copy on WDFW within 30 days from the date you receive notice of the decision. You may serve WDFW by mail to the HPA Appeals Coordinator, Department of Fish and Wildlife, Habitat Program, PO Box 43234, Olympia, Washington 98504-3234; e-mail to HPAapplications@dfw.wa.gov; fax to (360) 902-2946; or hand-delivery to the Natural Resources Building, 1111 Washington St SE, Habitat Program, Fifth floor. The time period for requesting a formal appeal is suspended during consideration of a timely informal appeal. If there has been an informal appeal, you may request a formal appeal within 30 days from the date you receive the Director's or designee's written decision in response to the informal appeal.

C. FAILURE TO APPEAL WITHIN THE REQUIRED TIME PERIODS: If there is no timely request for an appeal, the WDFW action shall be final and unappealable.

Habitat Biologist Ashley.Kees@dfw.wa.gov
Ashley Kees 425-765-9157

for Director
WDFW



CITY OF MEDINA

501 EVERGREEN POINT ROAD | PO BOX 144 | MEDINA WA 98039-0144
TELEPHONE 425-233-6400 | www.medina-wa.gov

EXEMPTION FROM SHORELINE SUBSTANTIAL DEVELOPMENT PERMIT AND STATE ENVIRONMENTAL POLICY ACT

Proposal Locations: 438 and 444 Overlake Drive East

Applicant: Alex Capron of The Watershed Company (agent)

Property Owner(s): Susan Sullivan

Permit Numbers: P-20-003; P-20-007

Proposal Description: Removal of 101 linear feet of bulkhead, a 20-foot groin, and 194 square-foot covered moorage; install soft shoreline techniques such as sand, gravel, anchored logs

Other Permits: Demo permit, state and federal permits as applicable

Water Body: Lake Washington – Aquatic Environment Designation

SHORELINE EXEMPTION:

The City of Medina has exempted the above described project from both submitting an environmental (SEPA) checklist and from obtaining a Shoreline Management Program Substantial Development Permit for the following reasons:

- Construction of a normal protective bulkhead utilizing via beach nourishment and bioengineered erosion control pursuant to WAC 173-27-040(2)(c)

The exemption is granted subject to the following findings and conditions:

1. The applicant is proposing the following work: removal of 101 linear feet of bulkhead, a 20-foot groin, and 194 square-foot covered moorage while installing soft shoreline techniques such as sand, gravel and anchored logs.
2. WAC 173-27-040(2)(c) provides an exemption from a substantial development permit for the construction of a normal protective bulkhead common to single-family residences. "Normal protective bulkhead" includes both structural and nonstructural developments installed at or near, and parallel to, the ordinary high-water mark for the sole purpose of protecting an existing single-family residence and appurtenant structures from loss or damage by erosion. Beach nourishment and bioengineered erosion control projects may be considered a normal protective bulkhead when any structural elements are consistent with the specified requirements and when the project has been approved by the department of fish and wildlife. The proposal will be requesting approval from the Washington Department of Fish and Wildlife prior to removing the armored bulkhead and replacing it with soft shoreline stabilization

techniques. This project seeks to enhance the existing shoreline environment and will not cause substantial adverse effects to shoreline resources or the environment.

3. The exemption is granted only for the scope of work identified in the materials received by the City on January 20, 2020. Any modifications to the scope of work must be reviewed by the City for compliance with the exemption criteria prior to starting work on the site.
4. Extreme care shall be taken to ensure that no petroleum products, hydraulic fluid, or other toxic or deleterious materials can enter or leach into surface waters. The permittee shall report all spills immediately to the Washington State Department of Ecology (425-849-7000).
5. The granting of this exemption is not a determination by the City that the proposal complies with the provisions of the Medina Shoreline Master Program. This exemption is limited only to the requirements for obtaining a substantial development permit. It does not relieve the applicant from complying with the requirements of the Medina Shoreline Master Program and any other applicable federal, state, or local regulations and permitting requirements.

STATE ENVIRONMENTAL POLICY ACT:

The Responsible Official has determined the proposal is exempt from review under the state environmental policy act for the following reason:

- The scope of the project meets the exemption for repair and maintenance activities found in WAC 197-11-800(3), as the proposal will remodel an existing bulkhead by removing the armor and replacing it with soft shoreline stabilization techniques



Stephanie Keyser, AICP
Planning Manager
501 Evergreen Point Road
Medina, WA 98039

March 4, 2020
Date

NOTE: The issuance of this SDP/ SEPA exemption does not constitute project approval. The applicant must comply with all other applicable requirements of the City of Medina.

NOTE: The City of Medina is designated lead agency on this due to the requirement for local government action on an exemption letter from a substantial development permit.

Sullivan Bulkhead Removal Project
LIP Application - July 2021

Project Before Photos



Sullivan Bulkhead Removal Project
LIP Application - July 2021

Project Before Photos



Sullivan Bulkhead Removal Project
LIP Application - July 2021

Project Before Photos





The King Conservation District is seeking a qualified candidate to perform as a

Temporary Education & Special Projects Coordinator

THIS POSITION IS REPRESENTED BY THE WASHINGTON FEDERATION OF STATE EMPLOYEES

Scope of Responsibility

King Conservation District (KCD) has an immediate opening for an individual to coordinate projects in support of the Education, Volunteer, Internship, and Riparian Habitat Stewardship Programs. This position supports the Sound Transit strategic initiative and other programs as needed. This position is temporary, term limited, ending on December 31, 2022.

With work in the office and the field, this position involves multi-faceted duties that require collaboration and problem solving, and an elevated level of motivation, versatility, and independence. The individual holding this position plans, coordinates, and facilitates education, volunteer, and internship opportunities across KCD programs. The Project Coordinator reports to the Education Program Manager and is a member of the Engagement Team.

The ideal candidate for this position has worked closely with KCD Education, Volunteer, and Shorelines programs, is responsive to community needs, easily and meaningfully engages others, possesses strong written and verbal communication skills, embraces diversity and equity, and collaborates across teams of staff, interns, volunteers, and contractors to achieve goals and objectives.

Job Responsibilities/Duties

The following list of duties is intended as an illustration of the various types of work performed. Omission of specific duties does not exclude them from the responsibilities of the position if the work is similar, related or a logical assignment to the position.

Project Coordination

- *Sound Transit/Trees for Rails Strategic Initiative*
 - Support the development and implementation of the *Trees for Rails* project.
 - Provide site visits, technical assistance, planting plants, and instructions to eligible and interested homeowners.
 - Assist with community engagement and outreach efforts to increase homeowner participation in the program.
 - Coordinate installation of plants on project sites including communicating with homeowners, overseeing crews as needed, and installing plants.

- Develop and coordinate maintenance plans for all project sites.

Education Event Coordination

- Assist with Urban Shorelines education programming
 - Coordinate registration and logistics for *Beautify & Care for Your Streamside Property* webinars
- Assist with Marine Shorelines education programming
 - Coordinate registration and logistics for *Where the Water Begins* webinars
- Assist with Farm Tours and Special Topic Ag Classes
 - Assist with event planning, registration, logistics, and promotion
 - Assist with day of event coordination
- Coordinate programming related to the WSARE Grant to update *Land & Water Stewardship Workshop* curriculum and content
 - Organize curriculum review committee and coordinate meetings
 - Incorporate proposed edits and updates from the committee into the curriculum and workshop content
 - Coordinate with the Education Program Manager on grant reporting requirements and complete documentation as needed

Volunteer Event Coordination

- Recruit, register, and coordinate involvement of individuals, businesses, schools, clubs and other groups on KCD volunteer projects.
- Schedule, plan and advertise KCD volunteer projects and events.
- Track volunteer involvement using a *Volgistics* volunteer management database and maintain all volunteer program records. Document and report volunteer service quarterly and annually.
- Perform office and administrative tasks in support of assigned projects.
- Support Orca Recovery Day volunteer event planning and day of coordination.

Internship Program

- Assist with recruitment, hiring, training, and onboarding processes for AmeriCorps Individual Placements (IPs) through approved sponsor programs such as the *Washington Conservation Corps*, *Washington Service Corps*, and *Mt. Adams Institute*.
- Prepare and submit applications for KCD-sponsored AmeriCorps positions.
 - Coordinate with program and project supervisors to develop and update position descriptions annually.
 - Communicate with KCD staff regarding AmeriCorps rules and limitations.
- Assist with coordinating the interview and hiring process for 3-4 AmeriCorps IPs annually.
 - Schedule interviews, create and update interview questions, set up and participate on interview committees.
 - Coordinate background and reference checks.
 - Complete AmeriCorps program enrollment paperwork for each position.

- Manage overlapping timelines and competing demands to ensure a seamless hiring and onboarding experience for KCD staff and incoming AmeriCorps members.
- Onboard and assist with training new AmeriCorps IPs,
 - Provide annual training on volunteer program procedures, general KCD orientation, and AmeriCorps program requirements.
 - Assist with updating training plans and work plans for each AmeriCorps IP.

Riparian Habitat Program Support as needed and as time allows:

- Programs and projects supported may include the *Shore Friendly King County* Strategic Initiative, KCD Native Plant Sale, and KCD Native Plant Nursery.

Qualifications

- ✓ Candidates with direct experience doing this work have a priority.
- ✓ Bachelor's Degree (B.A./B.S.) in natural resource sciences, environmental science, environmental studies, environmental education, or a closely related field.
- ✓ A minimum of two years of directly related professional experience required. A master's degree in closely related field may substitute for one year of related work experience.
- ✓ Licensed to operate a motor vehicle in the State of Washington or can obtain a valid Washington State Driver's License by start date.
- ✓ Experience in the principles, practices and skills that support planning and facilitating KCD Volunteer Program activities.
- ✓ Experience recruiting, planning and/or organizing volunteer events and leading youth and adult volunteers.
- ✓ Experience and proficiency using computer programs and volunteer management systems to track data and create reports (e.g. Microsoft Office Suite, Volgistics).
- ✓ Experience implementing stream, wetland and/or upland habitat enhancement projects.
- ✓ Knowledge of Puget Sound watersheds, the range of land use practices, and the natural resource management issues and challenges facing the region.
- ✓ Familiar with Pacific Northwest ecology and native plant species, and techniques used to control invasive species.
- ✓ Familiar with AmeriCorps programs including Washington Conservation Corps, Washington Service Corps, and Mt. Adam's Institute VetsWork.
- ✓ Familiar with or experience hiring, onboarding and training AmeriCorps members and/or interns.
- ✓ Currently hold or can obtain First Aid/CPR certification within 3 months of start date.
- ✓ Currently hold or can obtain WSDA Pesticide Applicator's license with Aquatics Endorsement within 3 months of start date.

Essential Job Functions

- Work under tight deadlines and manage conflicting demands while successfully operating in a dynamic work environment.

- Communicate effectively and work collaboratively with KCD staff, AmeriCorps members, interns, private landowners, and other customers and stakeholders to produce high quality, cost-effective events and resources.
- Present program information in public settings and meetings; prepare clear, concise and informative written documents and reports; maintain thorough and organized records.
- Write reports, track work progress, prepare and record program/project data and records.
- Travel to various locations throughout King County and occasionally throughout the state.
- Work weekend days and weekday evenings at least 2-3 times per month for events.
- Apply appropriate safety practices in the field and in the office.
- Perform physical work in all weather conditions.
- Lift up to 40 pounds.

Full Time Temporary Position Hourly Rate

\$24.00 – 32.00/hour, depending on experience

Benefits

The District offers a comprehensive benefits package which includes paid vacation and holidays, medical and dental, a nominal life insurance policy with the option to increase coverage at employee's expense, support for trainings, and participation in the State of Washington Retirement System (PERS).

Work Schedule

Temporary position ending 1 year after start date

Full Time, 40-hour week, Monday – Friday

Frequent weekend day and weekday evening events

**THIS POSITION IS REPRESENTED BY THE WASHINGTON FEDERATION OF STATE
EMPLOYEES**

Office Location

800 SW 39th St, Suite 150, Renton, WA 98057

To Apply: Submit a resume to the email address: jobs@kingcd.org with ***"Temporary Position – Education and Special Projects Coordinator"*** in the subject line.

This position will be open until filled.



The King Conservation District is seeking a qualified candidate to perform as a

Temporary Special Projects Coordinator

THIS POSITION IS REPRESENTED BY THE WASHINGTON FEDERATION OF STATE EMPLOYEES

Scope of Responsibility

King Conservation District (KCD) has an immediate opening for an individual to coordinate projects in support of the Sound Transit strategic initiative and other program support as needed. This position is temporary, term limited, ending on December 31, 2022.

With work in the office and the field, this position involves multi-faceted duties that require collaboration and problem solving, and an elevated level of motivation, versatility, and independence. The individual holding this position coordinates strategic initiative projects and supports KCD Shorelines program activities. The Project Coordinator reports to the Education Program Manager and is a member of the Engagement Team.

The ideal candidate for this position has worked closely with the KCD programs, is responsive to community needs, easily and meaningfully engages others, possesses strong written and verbal communication skills, embraces diversity and equity, and collaborates across teams of staff, interns, volunteers, and contractors to achieve goals and objectives.

Job Responsibilities/Duties

The following list of duties is intended as an illustration of the various types of work performed. Omission of specific duties does not exclude them from the responsibilities of the position if the work is similar, related or a logical assignment to the position.

Project Coordination

- *Sound Transit/Trees for Rails Strategic Initiative*
 - Support the development and implementation of the *Trees for Rails* project.
 - Provide site visits, technical assistance, planting plants, and instructions to eligible and interested homeowners.
 - Assist with community engagement and outreach efforts to increase homeowner participation in the program.
 - Coordinate installation of plants on project sites including communicating with homeowners, overseeing crews as needed, and installing plants.
 - Develop and coordinate maintenance plans for all project sites.

As needed and as time allows:

- Support programs and projects including AmeriCorps IP hiring and training, Shoreline's project implementation tasks, KCD Native Plant Sale, KCD Native Plant Nursery, and Orca Recovery Day.

Qualifications

- ✓ Candidates with direct experience doing this work have a priority.
- ✓ Bachelor's Degree (B.A./B.S.) in natural resource sciences, environmental science, environmental studies, environmental education, or a closely related field.
- ✓ A minimum of two years of directly related professional experience required. A master's degree in closely related field may substitute for one year of related work experience.
- ✓ Licensed to operate a motor vehicle in the State of Washington or can obtain a valid Washington State Driver's License by start date.
- ✓ Experience and proficiency using computer programs to track data and create reports (e.g. Microsoft Office Suite, Volgistics).
- ✓ Experience implementing stream, wetland and/or upland habitat enhancement projects.
- ✓ Knowledge of Puget Sound watersheds, the range of land use practices, and the natural resource management issues and challenges facing the region.
- ✓ Familiar with Pacific Northwest ecology and native plant species, and techniques used to control invasive species.
- ✓ Familiar with the Washington Conservation Corps AmeriCorps program.
- ✓ Familiar with or experience hiring, onboarding, and/or training AmeriCorps members or interns.
- ✓ Currently hold or can obtain First Aid/CPR certification within 3 months of start date.
- ✓ Currently hold or can obtain WSDA Pesticide Applicator's license with Aquatics Endorsement within 3 months of start date.

Essential Job Functions

- Work under tight deadlines and manage conflicting demands while successfully operating in a dynamic work environment.
- Communicate effectively and work collaboratively with KCD staff, AmeriCorps members, interns, private landowners, and other customers and stakeholders to produce high quality, cost-effective events and resources.
- Present program information in public settings and meetings; prepare clear, concise and informative written documents and reports; maintain thorough and organized records.
- Write reports, track work progress, prepare and record program/project data and records.
- Travel to various locations throughout King County and occasionally throughout the state.
- Work weekend days and weekday evenings at least 2-3 times per month for events.
- Apply appropriate safety practices in the field and in the office.
- Perform physical work in all weather conditions.
- Lift up to 40 pounds.

Full Time Temporary Position Hourly Rate

\$22.00 – \$27.00/hour, depending on experience

Benefits

The District offers a comprehensive benefits package which includes paid vacation and holidays, medical and dental, a nominal life insurance policy with the option to increase coverage at employee's expense, support for trainings, and participation in the State of Washington Retirement System (PERS).

Work Schedule

Temporary position ending 1 year after start date

Full Time, 40-hour week, Monday – Friday

Frequent weekend day and weekday evening events

**THIS POSITION IS REPRESENTED BY THE WASHINGTON FEDERATION OF STATE
EMPLOYEES**

Office Location

800 SW 39th St, Suite 150, Renton, WA 98057

To Apply: Submit a resume to the email address: jobs@kingcd.org with
"Temporary Position –Special Projects Coordinator" in the subject line.

This position will be open until filled.



FY2022 (7/1/2021 – 6/30/2022) Annual Work

King Conservation District

For More Information Contact: 425 295 3972

Mission of the King Conservation District

- *To promote the sustainable uses of natural resources through reliable, public/private stewardship*

Natural Resource Priorities:

- i. *Healthy, viable communities through sustainable voluntary stewardship of private lands and natural resources;*
- ii. *Protection and expansion of working lands: farms, forests, shellfish, minerals to ensure sustainable resource stewardship;*
- iii. *Optimal management of polluted water run-off and conservation of water quantity to meet multiple needs;*
- iv. *Expand strategic partnerships with collaborative conservation focus and advocate for farmland protection expansion*

Program Area: Board of Supervisors

Goal(s): i - iv

Funding Source(s): Rates and Charges

Activities for FY2021	Target Dates	Person Responsible	Time(Days) Required	Estimated Costs	Notes
Board of Supervisors: Conduct regular bi-monthly meetings and multiple subcommittee meetings per year. Develop and adopt District policies. Supervisors serve as appointments to various regional boards and commissions, attend outside meetings, and engage with stakeholders throughout KCD.	7/1/21 6/30/22	TBD	365	\$ 80,000	Each Supervisor contributes a minimum of 180 hrs a year to fulfill his/her Board responsibilities

Oversee annual reporting meeting.					
Advisory Committee Coordinate and conduct every-other-month 2-hour meetings to prioritize natural resource conservation needs across KCD service area. Manage event coordination, support Executive Director, direct communication and outreach with the 15 members and their alternates as well as interested parties.	7/1/21 6/30/22	Dostal	365	\$ 30,000	
Election Conduct the annual board supervisor election to raise the profile of KCD supervisor election and to engage more voters in this election process. Work with King County Elections to align KCD elections more closely with the County's approach, tools, and outreach.	7/1/21 6/30/22	TBD	365	\$ 275,000	
				\$385,000	

Program Area: Operations**Goal(s): i - iv****Funding Source(s): Rates and Charges**

Activities for FY2020	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
District operations Deliver professional and responsive services to existing other government agencies and the public in the areas of facilities management, public procurement, surplus property, and contract management. Provide cost effective centralized procurement of supplies and services management while maximizing effectiveness and minimizing costs. Support our learning spaces with new and emerging technology including mobile technologies, and IT infrastructure to support all new software programs and reporting.	7/1/21 6/30/22	TBD	365	\$ 840,000	
Financial Management Continue to increase transparency in financial reporting while addressing gaps and implementing strong internal controls. Upgraded financial management software and systems, developing SOP's for new software.	7/1/21 6/30/22	TBD	365	\$ 240,000	
Human Resources Review employee policies and develop revised employee handbook to ensure that employment policies are up to date. Update hiring	7/1/21 6/30/22	TBD	365	\$110,000	

practice guidelines and office procedures. Implement team building practices to align staff and work groups on collaborative work projects. Continue to provide employees with a work environment where teamwork is paramount, ideas are rewarded, creativity and risk-taking are encouraged, and successes are celebrated.					
GIS Support Continue to help support our landowners by creating map documents and folios for better visualization for property build outs, such as forestry and future planning features, i.e. fence types, invasive plant distribution, pastures paddocks and the like.	7/1/21 6/30/22	Martinsons	365	\$20,000	
				\$1,210,000	

Program Area: Engagement**Goal(s): i - iv,****Funding Source(s): Rates and Charges**

Activities for FY2022	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
General Engagement Incorporate the development and messaging to all District audiences on the purpose of King Conservation District and the avenues through which it serves the residents of King County. Continue to develop a distinct brand for the organization that positions it uniquely in the value it brings and its delivery of service. Use social media, community-based social marketing, earned media, and other cost-effective communication outlets to ensure broad distribution of key messages and brand identity.	7/1/21 6/30/22	Dostal	365	\$90,000	
Partnerships In 2021-2022 there will be continued efforts to strengthen strategic relationships with the Puget Sound Partnership and other key local and regional partners through continued collaboration with the Puget Sound Conservation Districts and expanded outreach to regional tribes. At the local level continue invigorated collaboration with the 35 long standing jurisdictional partners, area non-profits and community-based organizations, and local neighborhood conservation efforts.	7/1/21 6/30/22	TBD	365	\$ 200,000	

Program Marketing Develop and maintain materials, social media vehicles, film, and other program marketing to highlight specific services available to private property owners and jurisdictions that expand KCD's partnering opportunities and "boots on the ground" service delivery.	7/1/21 6/30/22	Dostal	365	\$ 80,000	
Fund Development Locate new grant funding opportunities. Support staff groups in exploring new funding opportunities. Partner with aligned organizations in seeking new funding streams.	7/1/21 6/30/22	TBD	365	\$ 70,000	
Legislative: State and Federal KCD will continue its active role with local and state legislative bodies and will expand to include federal bodies. The focus this year will be seeking changes to state and federal legislation and policies that recognizes and supports farmland and other working lands and so impacts conservation districts and supports voluntary stewardship.	7/1/21 6/30/22	TBD	365	\$ 25,000	
Brand Development Continue to build on successful brand development strategies, including public radio underwriting, event sponsorship, and earned media on television, in community publications, and elsewhere.	7/1/21 6/30/22	Dostal	365	\$60,000	
Puget Sound Conservation District Caucus King Conservation District will continue collaboration with PSCDs through the PSCD Caucus. Focus will be supporting implementation of PSCD work plan activities, collaborating with regional partners on Puget Sound recovery, and advancing PSCD regional service provider model.	7/1/21 6/30/22	TBD	365	\$60,000	

Volunteer Program The Volunteer Program supports District outreach and education activities, and implementation of District conservation efforts. The Volunteer Program increases public awareness of District programs and services while volunteers gain knowledge about local natural resource management concerns, such as restoration of watershed functions, and gain experience implementing practices to address those concerns. District volunteer events include propagating and maintaining native plants at the Wetland Plant Cooperative (WPC); implementing stream and wetland enhancement projects on District cooperator properties; and conducting maintenance on previously installed enhancement projects.	7/1/21 6/30/22	Wolf	365	\$61,630	
				\$646,630	

Program Area: Education**Goal(s): iii & iv,****Funding Source(s): Rates and Charges and Commission Grants**

Activities for FY2022	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
General Education – Education General Program includes activities on education initiatives and education program development activities that do not fit in a specific education program. Includes coordinating education services with other KCD programs; exploring and developing new education programs; building Education Group capacity to serve and collaborate with other partners; and managing professional services contracts for educational specialists working on Education Group program tasks.	7/1/21 6/30/22	Wolf	365	\$112,730 (total funding for all education programming)	
Envirothon - A nation-wide environmental literacy competition for high school youth. Sponsoring businesses and organizations include the NCF, NRCS, WSCC, WACD, and WCS. King Conservation District participates in the Washington State Envirothon program by recruiting high school teams from King County to participate in the NW Regional Envirothon, supporting the WA State Envirothon Committee, and participating in the WA State Envirothon competition.	7/1/21 6/30/22	Wolf	365	\$	

<p>Land & Water Stewardship Workshops – A series of four workshops in which livestock owners learn about planning and implementing natural resource management practices to protect water quality, conserve soils, and enhance fish and wildlife habitat. Each workshop includes presentations in combination with exercises that help participants learn about and how to apply natural resource management practices that are typically prescribed in a Farm Management Plan and are consistent with the NRCS FOTG. Subsequent to participating in these workshops, livestock owners have the option of working with staff to deploy best management practices through a variety of pathways.</p>	<p>7/1/21 6/30/22</p>	<p>Wolf</p>	<p>365</p>	<p>\$</p>	
<p>Farm Tours and Ag. Classes – Facilitate tours and classes on agriculture topics to provide peer to peer education opportunities for members of the livestock community. Farm tours are open house events where a host landowner highlights management practices they've implemented to protect and enhance natural resources on their property. Classes on agriculture topics are offered to provide information on emerging topics relevant to the livestock keeping and</p>	<p>7/1/21 6/30/22</p>	<p>Wolf</p>	<p>365</p>	<p>\$</p>	

agricultural production communities.					
Where the Water Begins Workshops – These workshops help landowners understand the natural resource assets on marine shoreline and marine bluff properties, and ways to improve their natural resources. Workshops focus on the ecology of the Puget Sound marine near-shore environment, coastal geological processes, and vegetation management, which provide an overview of how landowners can promote stable natural shorelines, reduce the risk of bluff erosion and landslides, and improve fish and wildlife habitat. Workshop participants can then request a free technical assistance site visit.	7/1/21 6/30/22	Wolf	365	\$20,000 WSCC IM grant	
Urban Shorelines Education This education program focuses on urban freshwater shoreline landowners and is a complement to the Urban Shorelines Implementation program. The program focuses on riparian habitat and restoration, water quality and natural yard care. It includes options for webinar, in classroom and field trip components depending in COVID restrictions.	7/1/21 6/30/22	Wolf	365	\$	
				\$ 132,730	

Program Area: Food and Farm Programs**Goal(s): i, ii, iii, and iv****Funding Source(s): Rates and Charges and targeted grant funding**

Activities for FY2022	Target Dates	Person Responsible	FTEs (days) Required	Estimated Funding	Notes
Regional Food System KCD will continue to administer a robust program of grants and services that address the following regional goals: <ul style="list-style-type: none">• Improve food access• Increase access to working farm lands• Invest in local food as an economic growth sector• Begin to address storage and processing obstacles• Work to increase institutional purchasing• Bring expanded support to dairy farmers• Increase local marketing KCD will bring over \$5,000,000 to the expansion and stabilization of a sustainable, equitable, and resilient regional food economy between 2020-2024. These funds can be used as match for USDA and other grant sources for even greater impact on the development of our food system economy	7/1/21 6/30/22	Embleton	365	\$1,060,000	
Soil Testing Program Soil Fertility- expand efforts to help urban farmers and gardeners understand how to understand and manage soil fertility, including soil testing and cover cropping, food cycle, natural resource cycles. Practical Workshops, Site Specific Technical Expertise, Soil Testing	7/1/21 6/30/22	TBD	365	\$27,000	

Program, pilot cover cropping incentives.					
Community Agriculture Food growing in underserved communities- build on successful efforts to partner with cities and community leaders on opportunistic, demonstration projects, targeting geographic and demographic equity and cultural appropriateness. Benchmarks <ul style="list-style-type: none"> • Assess regional need for urban farming-related natural resource planning support through coordination with member jurisdictions and the KCD Advisory Committee • Grow current soil testing program and customers into a more comprehensive urban conservation program focused on growing healthy local food and protecting and enhancing urban water quality. • Use Community Ag to build robust equity and social justice accomplishments in natural resource conservation, primarily through greening the urban built environment 	7/1/21 6/30/22	TBD	365	\$75,790	
Agricultural Drainage Program Assist landowners with maintaining and improving agricultural drainage systems. Our aim is to enable more	7/1/21 6/30/22	King	365	\$275,000	

landowners to participate in the King County Agricultural Drainage Assistance Program (ADAP) through a combination of technical assistance and matching grants. In addition, we are conducting a county-wide assessment of drainage needs as the basis for future planning. The new KCD Agricultural Drainage Program was made possible through a grant from the King County Flood Control District.					
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Program Area: Clean Water Goal(s): i, ii, iii, and iv Funding Source(s): Rates and Charges and targeted grant funding					
Rural Farm Planning Services Providing farm conservation planning services to farms and livestock owners within KCD. Upon completion of a conservation plan, the land user has made decisions to manage natural resources consistent with the resource needs recommended by District staff. A Farm conservation plan may be used by the landowner to meet the requirements of other agencies and programs, including: King County Codes-Title 21A.30 (Livestock Management), 21A.24 (Critical Areas); King County Programs-Agricultural Drainage Assistance, Best Management Practice Cost Share, Public Benefit Rating System (property tax incentives), the Clean Water Act. Develop comprehensive farm management plans. As part of the planning process, farm and livestock owners will receive technical assistance to identify resources, determine land use objectives, and make environmentally sound management decisions.	7/1/21 6/30/22	King	365	\$1,095,000	

Dairy Planning Services Providing farm conservation planning services licensed dairies and Concentrated Animal Feeding Operations. Upon completion of a conservation plan, the land user has made decisions to manage natural resources consistent with the resource needs recommended by District staff. Linked to Dairy Nutrient Management Act of 1998 (RCW 90.64), the Clean Water Act. Develop comprehensive farm management plans. As part of the planning process, farm and livestock owners will receive technical assistance to identify resources, determine land use objectives, and make environmentally sound management decisions.	7/1/21 6/30/22	Weldon	365	\$365,000	
Equipment Loan Program This equipment loan program was developed to help farm cooperators reduce barriers to implementing sound farming and conservation practices. The equipment available includes: Manure Spreader Service, Mobile Chicken Processing, No Till Drill, Hay Probe Loan Service)	7/1/21 6/30/22	TBD	365	\$185,000	
				\$3,082,790	

Program Area: Shorelines and Riparian Habitat**Goal(s): i, ii & iii, engage volunteers in habitat restoration work, enhance riparian areas,****Funding Source(s): Rates and Charges, Commission grants, and other grants and revenue**

Activities for FY2021	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
Riparian Habitat Stewardship Projects – Includes activities for providing technical assistance and implementing aquatic area buffer projects on rural lands This program includes coordination of the Riparian Habitat Stewardship Team and professional development training in the development of aquatic area enhancement services that serve rural landowners.	7/1/21 6/30/22	Meisinger	365	\$ 495,000	
Expanded Shoreline Projects – Assistance to urban shoreline residents. Partners include urban landowners; organizations; schools; businesses; and government agencies on implementing aquatic area enhancement projects.	7/1/21 6/30/22	Meisinger	365	\$310,000	
District Engineering – Assistance to landowners, organizations and agencies on implementing natural resource management projects that protect water quality, conserve soils, and enhance fish and wildlife habitat. Projects supported by this program are planned and implemented consistent with standard practices included in the NRSC FOTG and other professional standards when NRSC standards are not applicable. The Engineering Program also supports District programs and services, including providing technical and planning assistance related to farm management plan development; developing Best Management Practices and Job Sheets for LIP eligible cost-share practices; designing and implementing aquatic	7/1/21 6/30/22	TBD	365	\$175,000	

area enhancement projects; sponsoring partner and landowner, organization and agency projects for streamlined JARPA review; and staffing KCD Board of Supervisors Science, Engineering & Program Development Subcommittee.					
<p>CREP – The KCD CREP compensates agriculture landowners for setting aside, planting, and maintaining riparian buffers to restore fish habitat on private agricultural lands adjacent to depressed or critical condition salmon streams and rivers. CREP plans in King County often include other practices such as off-channel watering and livestock crossings in combination with riparian enhancement and livestock exclusion fencing. CREP is a joint effort of the United State Department of Agriculture (USDA) Farm Service Agency, the USDA Natural Resources Conservation Service, and the Washington State Conservation Commission acting through the King Conservation District. This fiscal year the allocation of WSCC funds for KCD's CREP Program was drastically reduced from previous years and will result in a decrease in the number of CREP plans implemented from 4-6 per year to 2 per year.</p>	7/1/21 6/30/22	Bergen	365	\$160,000	
<p>Wetland Plant Cooperative and Native Plant Holding Facility – A native plant nursery where upland, wetland and salt marsh plants are propagated for stream, wetland, estuarine and upland habitat enhancement projects. This program is administered as an informal Cooperative, and its focus is to increase capacity in the local community to plan and implement aquatic area enhancement projects. Projects supported by the WPC include freshwater and marine aquatic area enhancement projects implemented by</p>	7/1/21 6/30/22	Meisinger	365	\$120,000	

<p>KCD, and implemented in partnership with individuals, organizations and agencies. Partnering individuals, organizations and agencies volunteer at the WPC in trade for technical services and plant material. Community groups in particular benefit by volunteering to obtain assistance on planning and implementing enhancement projects that otherwise could not be implemented due to lack of technical expertise and funding. Organizations and agencies are able to expand the size of their projects by partnering with KCD for supplemental native plant material. The WPC also serves as an informal training facility for local youth and adults, who gain experience in horticulture and stream and wetland enhancement techniques, as well as leadership skills through volunteer service at the WPC. The WPC is an informal recycled materials demonstration site where recycled materials are utilized in plant production. The WPC proudly utilizes reclaimed water for irrigation. Reclaimed water is provided free of charge by the King County Wastewater Treatment Division East Section Reclamation Plant and allows KCD to conserve potable drinking water and support the reduction of discharged wastewater into local waterways.</p>					
<p>Bareroot Plant Sale – A bare-root plant sale that provides landowners, organizations, schools, and government agencies with low cost bare-root native plant material for habitat enhancement and native plant landscaping. In addition to receiving low cost native plants, plant sale customers receive assistance on species selection, information on installing and maintaining plants to achieve high rates of survival, and recommendations related to habitat enhancement.</p>	<p>7/1/21 6/30/22</p>	<p>Dostal</p>	<p>365</p>	<p>\$50,000</p>	

Marine Shoreline Landowner Assistance Program – Provides site visits and limited cost-share funding to help landowners address concerns and improve critical natural resources associated with Puget Sound marine shorelines. Site visits focus on the ecology of the Puget Sound marine near-shore environment, coastal geological processes, and vegetation management. In combination, these activities help landowners promote stable natural shorelines, reduce the risk of bluff erosion and landslides, and improve fish and wildlife habitat. A limited cost-share program is available to implement fish and wildlife habitat enhancement projects that are identified through personalized site-visits.	7/1/21 6/30/22	Meisinger	365	\$120,000	
Discovery Farms Discovery Farms is a farmer-led, on-farm research program. The goal of the KCD Discovery Farms program is to evaluate the effectiveness of on-farm conservation practices implemented by KCD. Currently, the program is working on a Quality Assurance Project Plan in collaboration with the Department of Ecology to test the effectiveness of riparian buffers on agricultural land. This program is scheduled for completion and results distributed by November of 2021.	7/1/21 11/30/21	Awole	365	-	
				\$1,430,000	

Funding Source(s): Rates and Charges

Activities for FY2022	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
Landowner Incentive Program – The LIP promotes stewardship of natural resources on private property by providing cost-share funding to assist cooperator implementation of natural resource best management practices (BMPs). The LIP funds agricultural and non-agricultural natural resource management practices planned in association with District technical service programs. Fourteen individual practices are eligible for funding. Examples include <i>Heavy Use Protection Area, Aquatic Area Buffer Planting, Forest Health Management, Waste Storage Facility,</i> and Cover Crops. Cost-share reimbursement rates for approved projects range from 50% to 90% depending on the natural resource management practice. KCD reimburses project costs at the cost-share reimbursement rate in combination with established cost-share limits.	7/1/21 6/30/22	Redmond	365	\$506,300	
				\$506,300	

Program Area: Healthy Forests
Funding Source(s): Rates and Charges

Activities for FY2022	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
Small Lot Forest Stewardship – The King Conservation District provides technical assistance and forest management planning services to small-lot forest landowners across unincorporated King County to protect and enhance woodlots and smaller stands of forest, reduce forest fragmentation, and capture the ecological benefits and recreational and economic value of forests. KCD partners with King County Department of Natural Resources and Parks, Washington State University Cooperative Extension, and rural residential and small private forest landowners to increase the resilience of the forested landscape by helping landowners actively manage forestlands and open space areas.	7/1/21 6/30/22	Lasecki	365	\$334,861	
Urban Forest Health Management – The KCD provides \$150,000 and project management support to member jurisdiction's projects designed to increase the resilience of urban tree canopies capture the ecological, recreational and other values of urban forests, and actively manage urban trees in yards, forested parks, and public open spaces.	7/1/21 6/30/22	Arnstein	365	\$326,692	

Wildfire Preparedness Planning – Stakeholders are increasingly aware of the need to modify landscaping and land management practices to mitigate wildfire risk potential. Programs exist at the state and federal level to support planning and preparation on public lands and on large acreage holdings. KCD engages landowners and 3-4 homeowners' associations annually to develop and implement alternative landscape and forest management practices .	7/1/21 6/30/22	Axe	365	\$126,742	
				\$788,295	

Program Area: Grants**Goal(s): i, ii, iii & iv implement conservation practices through strategic partners****Funding Source(s): Rates and Charges**

Activities for FY2022	Target Dates	Person Responsible	Time(Days) Required	Estimated Funding	Notes
General Grant Program	7/1/21 6/30/22	Saavedra	365	\$40,650	Includes ongoing subscription for online grant portal
Member Jurisdiction Grant Program – In partnership with 35 jurisdictions, including unincorporated King County, KCD provides annual funding for the implementation of natural resource improvement actions directed by jurisdictions. Jurisdictions and nonprofit organizations can access the funding by submitting a grant application or requesting services from KCD.	7/1/21 6/30/22	Saavedra	365	\$1,140,000 (for MJ Grant Awards) \$1,254,522	
WRIA Forum Grant Program – KCD stopped funding WRIA grants in 2012 when the King County Flood Control District started the Cooperative Watershed Management Fund. However, staff is in the final stages of closing out previously awarded WRIA grants and				\$-0-	

managing leftover amounts of KCD-WRIA funding.					
King Conservation District / Snoqualmie Watershed Forum Opportunity Fund – A grant program that provided grants to landowners, organizations, agencies and member jurisdictions to support implementation of natural resource management practices on private property. The program no longer provides funding for the award of new grants, but does manage approximately 35 open grant contracts associated with previous grant awards. This work includes processing progress and expense reports and closing-out grant contracts upon project completion.	7/1/21 6/30/22	TBD	365		
				1,295,172	



FY2022 Annual Budget King Conservation District

NOTE on District budget for FY2022 (7/1/21 – 6/30/22)

NOTE: The KCD operates on a calendar year basis and must do so because its primary funding source, the system of Rates and Charges, requires congruency with King County and KCD cities accounting. The 2021 budget is shown below; 2022 will be similar.

REVISED FY 2022~ADDENDUM FORM

District: King CD

Total Program Award: \$ 10,000

☐ Basic Allocation \$ 10,000

Addendum Type:

- ☐ CREP TA & CS
- ☒ Livestock
- ☐ Engineering
- ☐ Implementation*
- ☐ Shellfish
- ☐ Non-shellfish

Overhead Type: *Once you choose, you must utilize this formula for the entire grant period.*

- ☒ 25% or Less of Salaries and Benefits
 *If less than 25% please specify the Percentage 25%
- ☐ Direct Costs
- ☐ No Overhead will be charged

*Don't forget a separate Intermediate Outcome for all Election and Appointment Expenses and Audit expenses. To the best of your ability, please indicate the anticipated spending of each Intermediate Outcome for the July – December period and the January – June period. We are required to be more strategic in our estimates of reimbursements for Office of Financial Management and this will help us meet those obligations. Thank you.

Intermediate Outcome 1.0 Budget: \$ 20,000

July 1 – Dec. 31 Jan. 1 – Jun 30

The KCD Board proactively approved a FY22-23 LT grant award based upon KCD program estimates for up to \$160,000 in funding for the biennium to work with livestock owners and producers on planning and implementing water quality protection and enhancement practices in association with managing livestock.

KCD work funded by FY20-21 LT grant will be in response to WSDA, Ecology and/or King County referrals, and/or will address KCD livestock-related water quality protection and enhancement strategic priorities, and/or will strategically engage livestock owners within watersheds with documented water quality impairments to surface waterbodies and/or groundwater recharge areas.

KCD will utilize awarded LT grant funding to provide technical assistance to livestock owners and producers through Farm/Conservation plan development, plan updates, practice development, and practice implementation. Plans developed using LT grant funds will be created utilizing the NRCS 9-step planning process, and when applicable will meet CNMP requirements of CNMP or follow CAFO guidance. (KCD estimates \$80,00 per year for aligned technical assistance capacity that meet program needs and demands.)

Time line: begin July 1, 2021, end June 30, 2023

\$ 20,000 \$ 20,000

Intermediate Outcome 2.0	Budget: \$		July 1 – Dec. 31	Jan. 1 – Jun 30
			\$	\$

Intermediate Outcome 3.0	Budget: \$		July 1 – Dec. 31	Jan. 1 – Jun 30
			\$	\$

SIGNATURES DUE FOR EACH ADDENDUM

Due to Commission by July 31, 2021.

APPROVALS AND DOCUMENTATION CHECKLIST

☐ Approved by Board of Supervisors Date: June 17, 2021

Commission Financial Services Signature: _____

Completed by WSCC Finance Staff:

Date Received: _____ Signature: _____

Data Entered into Financial System	Date: _____	Initials: _____
Scanned into Online File Cabinet	Date: _____	Initials: _____
Filed in Green Binder	Date: _____	Initials: _____

FY 2022~ADDENDUM FORM

District: King CD

Total Program Award: \$78,666

☐ Basic Allocation \$

Addendum Type:

- ☐ CREP TA & CS
- ☐ Livestock
- ☐ Engineering
- ☐ Implementation*
- ☐ Sellfish
- ☒ Natural Resource Investments

Overhead Type: Once you choose, you must utilize this formula for the entire grant period.

☒ 25% or Less of Salaries and Benefits
*If less than 25% please specify the Percentage

☐ Direct Costs

☐ No Overhead will be charged

*Don't forget a separate Intermediate Outcome for all Election and Appointment Expenses and Audit expenses. To the best of your ability, please indicate the anticipated spending of each Intermediate Outcome for the July – December period and the January – June period. We are required to be more strategic in our estimates of reimbursements for Office of Financial Management and this will help us meet those obligations. Thank you.

Intermediate Outcome 1.0 Budget: \$78,666

July 1 – Dec. 31 Jan. 1 – Jun 30

The KCD Board proactively approved a FY22-23 22-09-NRI grant based upon KCD program estimates for up to \$78,666 in funding to support landowner cost-share agreements and associated technical assistance.

Individual NRI cost-share awards for landowner project will be approved consistent with KCD policies and procedures and managed consistent with WSCC cost-share guidelines.

KCD will utilize awarded technical assistance funding to oversee the installation and maintenance of NRI grant funded projects that implement water quality protection and enhancement, fish and wildlife habitat enhancement and forest health management practices. All funded practices will be planned consistent with NRCD FOTG standards and KCD prepared resource management and/or technical assistance plans. (NRI grant estimate is for a maximum 6 projects at \$50,000 per project maximum.)

Time line: begin July 1, 2021, end June 30, 2022

\$78,666

Intermediate Outcome 2.0 Budget: \$

July 1 – Dec. 31 Jan. 1 – Jun 30

\$ \$

Intermediate Outcome 3.0	Budget: \$	July 1 – Dec. 31	Jan. 1 – Jun 30
	\$	\$	\$

SIGNATURES DUE FOR EACH ADDENDUM

Due to Commission by July 31, 2019.

APPROVALS AND DOCUMENTATION CHECKLIST

☐ Approved by Board of Supervisors Date: June 17, 2019

Commission Financial Services Signature: _____

Completed by WSCC Finance Staff:

Date Received: _____ Signature: _____

Data Entered into Financial System	Date: _____	Initials: _____
Scanned into Online File Cabinet	Date: _____	Initials: _____
Filed in Green Binder	Date: _____	Initials: _____

FY 2022~ADDENDUM FORM

District: King CD

Total Program Award: \$ 20,371.25

☐ Basic Allocation \$ _____

Addendum Type:

- ☒ CREP TA & CS
- ☐ Livestock
- ☐ Engineering
- ☐ Implementation*
- ☐ Sellfish
- ☐ Non-shellfish

Overhead Type: *Once you choose, you must utilize this formula for the entire grant period.*

- ☒ 25% or Less of Salaries and Benefits
 *If less than 25% please specify the Percentage
- ☐ Direct Costs
- ☐ No Overhead will be charged

***Don't forget a separate Intermediate Outcome for all Election and Appointment Expenses and Audit expenses. To the best of your ability, please indicate the anticipated spending of each Intermediate Outcome for the July – December period and the January – June period. We are required to be more strategic in our estimates of reimbursements for Office of Financial Management and this will help us meet those obligations. Thank you.**

Intermediate Outcome 1.0 Budget: \$ 20,371.25

July 1 – Dec. 31 Jan. 1 – Jun 30

Provide CREP technical services to landowners within the boundaries of the King Conservation District. Prepare buffer protection and enhancement plans associated with a minimum of 2 new CREP contracts (CRP-1), provide maintenance and mid-contract management services.

\$ 20,371.25 \$

Time line: begin July 1, 2021, end June 30, 2022

Intermediate Outcome 2.0 Budget: \$TBD

July 1 – Dec. 31 Jan. 1 – Jun 30

Oversee the installation and maintenance of CREP riparian buffer consistent with CREP plans prepared by King CD. Funding for this IO is for landowner cost-share. (Estimate \$10k/yr maintenance, \$40k/yr installation)

\$ \$

Time line: begin July 1, 2021, end June 30, 2022

Intermediate Outcome 3.0 Budget: \$

July 1 – Dec. 31 Jan. 1 – Jun 30

\$ \$

SIGNATURES DUE FOR EACH ADDENDUM

Due to Commission by July 31, 2021.

APPROVALS AND DOCUMENTATION CHECKLIST

☐ Approved by Board of Supervisors Date: _____

Commission Financial Services Signature: _____

Completed by WSCC Finance Staff:

Date Received: _____ Signature: _____

Data Entered into Financial System	Date: _____	Initials: _____
Scanned into Online File Cabinet	Date: _____	Initials: _____
Filed in Green Binder	Date: _____	Initials: _____

FY 2022~ADDENDUM FORM

District: King CD

Total Program Award: \$ 117,823.00

☐ Basic Allocation \$

Addendum Type:

☐ CREP TA & CS☐ Livestock☐ Engineering☒ Implementation*☐ Selffish☐ Non-shellfish

Overhead Type: Once you choose, you must utilize this formula for the entire grant period.

☒ 25% or Less of Salaries and Benefits
*If less than 25% please specify the Percentage☐ Direct Costs☐ No Overhead will be charged

*Don't forget a separate Intermediate Outcome for all Election and Appointment Expenses and Audit expenses. To the best of your ability, please indicate the anticipated spending of each Intermediate Outcome for the July – December period and the January – June period. We are required to be more strategic in our estimates of reimbursements for Office of Financial Management and this will help us meet those obligations. Thank you.

Intermediate Outcome 1.0 Budget: \$61,411

July 1 – Dec. 31 Jan. 1 – Jun 30

\$30,556 \$30,555

Design and install at least 6 aquatic area enhancement projects (freshwater and/or estuarine and/or marine riparian) in partnership with District cooperators to improve fish/wildlife habitat, including habitat for salmon and southern resident orcas, and / or improve water quality.

Participate in 2021 PSCD Orca Day by providing technical assistance and project design and implementation services to at least 1 landowner with freshwater or marine shoreline resources on property to improve fish and wildlife habitat for the benefit salmon and southern resident orcas. Recruiting and involve the public in implementing at least 1 Orca Day habitat restoration project through at least 1 volunteer event, and coordinate implementation and market and advertise in concert with and consistent with the PSCD Caucus Better Ground initiative.

Timeline: begin July 1, 2021, end June 30, 2022

Intermediate Outcome 2.0 Budget: \$20,000

July 1 – Dec. 31 Jan. 1 – Jun 30

\$0 \$20,000

Conduct KCD *Where the Water Begins* workshops for marine shoreline/bluff land managers focused on the marine nearshore/riparian ecology, Puget Sound coastal geological processes, and vegetation management for F&W habitat, erosion control and storm water management.

Timeline: begin July 1, 2021, end June 30, 2022

**KING CONSERVATION DISTRICT
KING COUNTY, WASHINGTON**

RESOLUTION NO. 19-010

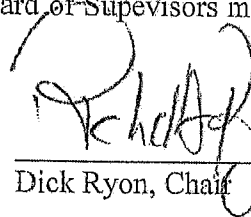
A RESOLUTION OF THE BOARD OF SUPERVISORS OF THE KING CONSERVATION DISTRICT, KING COUNTY, WASHINGTON, AUTHORIZING THE BOARD CHAIR, BOARD VICE-CHAIR, AND BOARD AUDITOR TO SIGN CHECKS.

WHEREAS, the King Conservation District ("District") has a need to ensure that all checks are signed by authorized members of the Board of Supervisors; Now therefore

BE IT RESOLVED by the Board of Supervisors of the King Conservation District, as follows:

Checks that are \$250.00 or more require two signatures of Board Supervisors and the checks may be signed by the Board Chair, Board Vice-Chair or Board Auditor. Checks that are under \$250.00 only require one signature and may be signed by any one of the referenced Board Supervisors.

ADOPTED by the Board of Supervisors at the Board of Supervisors meeting open to the public held on August 12, 2019



Dick Ryon, Chair

CERTIFICATE

I, Bill Knusten, Auditor/Secretary of the Board of Supervisors, King County, Washington, do hereby certify that the foregoing resolution is a true and correct copy of Resolution No. 19-010 of such Board, duly adopted at a Board meeting thereof held on the 12th day of August 2019 by the members of such Board in attendance at such meeting and attested by myself in authentication of such adoption.

A handwritten signature in blue ink that reads "Bill Knusten". The signature is written in a cursive style and is positioned above a horizontal line.

Bill Knutsen, Secretary/Auditor

Reports

**KING CONSERVATION DISTRICT
BOARD OF SUPERVISORS MEETING**

TO: BOARD OF SUPERVISORS MEMBERS

FROM: CYNTHIA SETEL

SUBJECT: EXECUTIVE DIRECTOR'S LETTER

DATE: AUGUST 10, 2021

CC: LORNA MISS

My last day as Interim Executive Director at KCD is September 17, and we are now entering the Pivot Phase. I'll be stepping back a bit and supporting the Board and staff to ensure a smooth transition for the new Executive Director, who starts September 20th.

Before I leave, I'll prepare documents for the incoming Executive Director, Rosa Méndez, and the Board. Amy Michael, the CFO who has been assisting us the past few months, will have completed her report on KCD finances. For now, I'd like to give some updates and recommendations for next steps.

Background

Shortly after I arrived at KCD, it became clear to me that the agency struggles with morale, financial transparency, and accountability. The structure of the organization did not support the structural work that needed to be done and led to many staff doing support work that should have been done centrally. It was impossible not only for our partners to see what we were spending, how we were spending it, and what we were accomplishing. It was also difficult for staff to track their budgets.

When I arrived in February, the agency had six directors, six managers, one finance/HR/administrative manager with two support staff, and twelve staff. Not only was this an imbalance, it also did not allow the very talented KCD staff to thrive and do their best work. Management was extremely top down. I could see that the staff were amazing, but they were not able to do their best, brightest, most visionary work because everything had to be approved by several layers of management. In addition, the teams did not collaborate well. The finance team didn't effectively coordinate with the Directors who didn't coordinate with everyone else. As I've said many times, this was no one's fault. It's what happens in organizations when they grow their budgets and programs, but don't pay enough attention to strong leadership, accountability, letting staff shine and most importantly creating financial and program/grant management systems that are transparent and available for anyone to see, at any time.

In May I proposed a reorganization and in June the Board approved the reorganization. The Director positions were eliminated. I also recommended changes to the reporting relationships of the remaining staff. Currently, staff who manage grants, contracts, and the Landowner.

incentive program report to program managers. I recommended having those positions report directly to a new finance and administrative manager, who would be responsible for ensuring consistency in financial and grants management and reporting, as well as a central location for the policies and procedures. I met with Labor later in June to negotiate the impacts of these changes to represented staff. I also proposed creating an HR manager position, having the three stewardship managers' report to a Deputy/Stewardship Leadership position, and having the communications, education, and data/evaluation team report to the Executive Director. These recommended changes have not all been made, and KCD will need to continue to work with the new Executive Director and the Union to finish the reorganization.

The Reorganization went into effect July 1, at which time I was able to access all of the financial and grants information. It became clear why the agency has not been able to produce accurate, consistent reports. KCD currently enters and tracks financial data in five different systems and none of them "speak" to one another. I was unable to find any agency or individual locally that understood all of those systems.

Current State

I was able to locate a firm in NYC, Your Part Time Controller, that assists agencies during transitions. They have expertise in the various systems we use and will be able to assist KCD in migrating to one system. For now, they are managing the finance team. They have a local accountant who will be in the office two days a week and we have set up access for the NYC team to access our systems. We have a wonderful accountant doing Accounts Payable, Accounts Receivable and helping with payroll, and we have a skilled CFO in the office three days a week. My intention was to have the former ED/Finance manager from Pierce conservation district assist us developing the system they use in Pierce, which would give us all of the reporting requirements we need and allow staff to see their budgets, etc. but she is not available in the short term.

I go into this level of detail because I want to assure you all that we are much closer to being able to provide the financial reporting you all should be receiving than KCD has ever been before. I've looked back over 25 years, and the agency has never had systems that were complete, accurate and consistent. We know exactly what the problems are and have identified options for creating the system that is required.

Given all of the transitions, making this change will not occur until the fall or winter. For now, we have only part-time finance and HR consultants. Our focus is on paying staff, paying our bills, and receiving funds. I'm able to track all of our expenses and revenue and have no concerns about any of that. We aren't able to produce accurate, thorough financial statements. The systems KCD has been using do not allow for that. Managers cannot see their full budgets, due to decisions made in-the past. Given the skilled people working on this, it may happen sooner, but I want you all to understand why we are where we are and- know that the first step is diagnosing the long-term problem, and we were only able to see the data as of July 1.

In addition, and related to a centralized financial tracking system, the agency has several very large grants involving many partners. Over the past month and with the assistance of many staff we have followed through on all of those commitments. In some cases, we transitioned the management of the grants to partners. The Area Forester Grant is now managed by Snohomish CD. The Shore Friendly King County Grant is being transitioned to Mid-Sound, and we will continue to be a key part of this collaboration. We kicked off the Trees for Rails

(Sound Transit) grant, a partnership with Sound Transit and the City of Shoreline, two weeks ago. The Poverty Bay-Vashon Island Septic Maintenance Rebate Program, a partnership with Public Health, Seattle & King County, kicked off three weeks ago. Several of the strategic initiatives will run through the next year and KCD will keep our commitments to these initiatives.

Our core programs continue to thrive, as well. The Forestry Team has been developing more partnerships with Pierce County. Matthew Axe did a presentation on Q13, and as a result has had several requests for site visits, to assist homeowners in making their properties safe from forest fires. Our farm team is in their very busy season, and this week did a site visit with Councilmember Lambert to one of our agricultural drainage project sites. And today, we celebrate 20 years (plus one) of service for Jay Mirro. He's done over 600 farm plans during that time, which we think is a record, and he maintains the professionalism and enthusiasm of someone just starting out.

The main message I'd like to leave you with is that this is a fabulous agency. Staff are doing incredible work, despite many years in an often-challenging work environment. While they have started the reorganization process, they are only a month in. Real change will take time.

Next steps

I won't be starting anything new or hiring staff over the next six weeks, it's important that Rosa develop the team that will best support her vision. In my recommendations to her I'll include the consultants I've spoken with about Equity training for staff, the Board, and the Advisory Committee. I'll also reinforce the desire to do an internal and external survey of staff and partners.

I want to thank the Board, particular Kirstin, and Burr, for all their support over the past five months, as well as the wonderful KCD staff. And thank you all for your patience during what has been a sometimes-grueling few months.

Warm regards,

Cynthia