

**RESOLUTION NO. 12-796**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF BLACK DIAMOND, KING COUNTY, WASHINGTON AUTHORIZING THE MAYOR TO EXECUTE AN AGREEMENT WITH THE WASHINGTON STATE DEPARTMENT OF ECOLOGY FOR THE ACCEPTANCE OF GRANT MONIES TO BE USED TOWARDS THE DEVELOPMENT OF AN INTEGRATED AQUATIC WEEDS MANAGEMENT PLAN FOR LAKE SAWYER**

**WHEREAS**, in 2011, the City, in collaboration with King County staff, developed an application for acquiring funds in order to complete an Aquatic Weeds Vegetation Management Plan for the waters of Lake Sawyer in Black Diamond, WA; and

**WHEREAS**, in 2012, City staff received an award letter for \$25,000 from the Washington State Department of Ecology for funds to be used towards the development of said plan; and

**WHEREAS**, this plan will help City staff, as well as the public look at alternatives and costs associated with controlling aquatic weeds in Lake Sawyer, therefore helping improve water quality within the lake; and

**WHEREAS**, the acceptance of the Integrated Aquatic Weeds Management Plan by the Department of Ecology will make the City eligible for future grant resources as it pertains to aquatic weed management in the lake;

**NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BLACK DIAMOND, WASHINGTON, DOES RESOLVE AS FOLLOWS:**

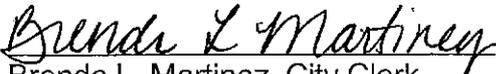
**Section 1.** The Mayor is hereby authorized to execute an agreement with the Washington State Department of Ecology in the acceptance of grant funds used towards the development of an Integrated Aquatic Weeds Management Plan for Lake Sawyer, substantially in the form attached hereto as Exhibit A.

**PASSED BY THE CITY COUNCIL OF THE CITY OF BLACK DIAMOND, WASHINGTON, AT A REGULAR MEETING THEREOF, THIS 3RD DAY OF MAY, 2012.**

CITY OF BLACK DIAMOND:

  
\_\_\_\_\_  
Rebecca Olness, Mayor

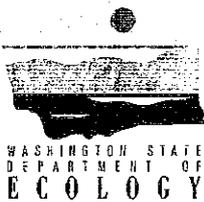
Attest:

  
Brenda L. Martinez, City Clerk

MAY 14 2012

SIGNATURE AUTHORIZATION FORM  
FOR GRANT/LOAN RECIPIENTS

WATER QUALITY PROGRAM



Department of Ecology  
Water Quality Program  
PO Box 47600  
Olympia, WA 98504-7600  
Phone: (360) 407-6600  
FAX: (360) 407-7151

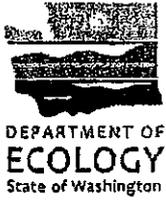
Name of Organization	Date Submitted
City of Black Diamond	May 4, 2012

Project Title	Agreement Number
2013 Lake Sawyer IAVMP	G1200433

AUTHORIZING SIGNATORY		
Signature	Print or Type	Title/Term of Office
	Rebecca Olness	Mayor/2010-2013

AUTHORIZED TO SIGN AGREEMENT AMENDMENTS		
Signature	Print or Type	Title
	Rebecca Olness	Mayor

AUTHORIZED TO SIGN REQUEST FOR REIMBURSEMENT		
Signature	Print or Type	Title
	Aaron Nix	Natural Resources/Parks Director



# Aquatic Weeds Management Fund Grant Application

FOR ECOLOGY USE  
Application Number  
\_\_\_\_\_

## - PART1- General Information

<b>1. PROJECT TITLE (five words or less):</b> Lake Sawyer IAVMP							
<b>2. APPLICANT NAME</b> Name: City of Black Diamond Address (If different from Signatory): PO Box 599, Black Diamond, WA 98010 Federal Identification Number: 91-6026204							
<b>3. AUTHORIZED SIGNATORY (The person whose name is listed here must sign Box 9 of this application)</b> Name: Rebecca Olness Title: Mayor Address: PO Box 599, Black Diamond, WA 98010							
<b>4. APPLICANT STAFF CONTACT</b> Name: Aaron Nix Title: Parks/Natural Resources Director Address: PO Box 599, Black Diamond, WA 98010 Telephone number: 360.886.2560 x220 Fax number: 360.886.2592 E-mail address: anix@ci.blackdiamond.wa.us							
<b>5. PROJECT DATA (Actual PROJECT data, not data of applicant)</b> If the project is not a statewide project, please indicate the county(s), the water resource inventory area(s), legislative districts, and congressional districts where at least five percent of the PROJECT will be accomplished. The total of each separate designation must equal 100 percent.							
Counties		Water Resource Areas		Legislative Districts		Congressional Districts	
Name	Percent	Number	Percent	Number	Percent	Number	Percent
King County	100	9	100	5	100	8	100



**10. APPLICATION SUBMITTAL**

Send seven copies, one of which contains an original signature, to:

<u>U.S. Postal Mailing Address:</u>	<u>Overnight Mail or Hand Delivery Address:</u>
Department of Ecology Water Quality Program P.O. Box 47600 Olympia, WA 98504-7600	Department of Ecology Water Quality Program 300 Desmond Drive Lacey, WA 98503

NOTE: APPLICATIONS MUST BE RECEIVED AT THE DEPARTMENT OF ECOLOGY BY 5:00 P.M. ON THE CLOSING DATE. NO FACSIMILE OR ELECTRONIC APPLICATIONS WILL BE ACCEPTED. TO ENSURE DELIVERY OF APPLICATION BY THE DEADLINE, YOU MAY WISH TO CONSIDER USING RETURN RECEIPT MAIL.

*To ask about the availability of this document in a version for the visually impaired call the Water Quality Program at 360-407-6502. Persons with hearing loss, call 711 for Washington Relay Service. Persons with a speech disability, call 877-833-6341.*

# Aquatic Weeds Management Fund Grant Application

## -Part 2- Project Proposal

This is the section of your application in which you describe your project. The information that you provide here will be used to evaluate the merit of your project and will provide the basis for our evaluation. Before describing your project, please carefully review the information in Chapter IV of the Aquatic Weeds Management Fund Program Guidelines.

Contact Melanie Tyler of the Department of Ecology if you have specific questions: by e-mail at [mety461@ecy.wa.gov](mailto:mety461@ecy.wa.gov) or by telephone at 360-407-7489. **ONLY INFORMATION SUBMITTED BEFORE THE APPLICATION DEADLINE WILL BE USED IN THE EVALUATION PROCESS.**

### Project Proposal

If your project implements an Integrated Aquatic Plant Management Plan, please enclose a copy of the plan or a plan approval letter from Ecology.

#### 1. EXECUTIVE SUMMARY

Please provide an overview of the proposed project. Limit your answer to 250 words.

- State the aquatic plants species targeted for action. *Invasive, non-native freshwater aquatic plants are given priority for grant funding.*
- Identify the water body or water bodies that will be involved and its relation to other infestations of the target plant species.
- Please include a map of the targeted water body or water bodies with the application.

Lake Sawyer is a 279 acre lake located in Water Resource Inventory Area (WRIA) 9 in the City of Black Diamond. It is in the northern section of the city, just west of Highway 169 and north of the Green River. The lake is surrounded by single-family homes but also has a city owned boat launch and a large, undeveloped city park that is located on the south end of the lake. Lake Sawyer is heavily used for fishing, boating, swimming and other recreational activities. It provides habitat for fish and wildlife in the area, including salmonids such as Coho, and ESA-listed steelhead.

Eurasian watermilfoil (*Myriophyllum spicatum*), yellow flag iris (*Iris pseudacorus*) and fragrant water lilies (*Nymphaea odorata*) are documented as being present at the lake; Eurasian watermilfoil is becoming particularly problematic. The lake is easily accessed by the public at the boat launch making milfoil easy to spread to nearby lakes such as Lake Wilderness, Pipe-Lucerne Lakes, Lake Desire and Spring Lake. *M. spicatum* has been eradicated from Pipe and Lucerne Lakes and is currently managed in Lake Wilderness and Spring Lake; reinfestation could negatively impact the management work done on these lakes. Milfoil will interfere with the recreational activities and decrease the habitat quality Lake Sawyer provides.

An Integrated Aquatic Vegetation Management Plan (IAVMP) is necessary in order to have a strategic plan for dealing with the several noxious weeds in and around the lake. It is important to survey the lake for

current distribution of invasive weeds while writing the IAVMP. In addition to Eurasian milfoil, other invasive weeds such as Brazilian elodea, purple loosestrife and narrow leaf cattail will be mapped if found. These surveys will provide a current, complete list and map of problematic weeds, ensuring a comprehensive and effective management plan.

## 2. SCOPE OF WORK

Provide a scope of work for your project. List the tasks that you will undertake to complete the project, including details. For example, if education is a component of the project, when describing that task, say "we will produce and distribute two educational newsletters to the Lake X residents. In addition, we will hold at least one public meeting to talk about the project, etc." Describe how the project goals will be achieved. Discuss specific methods to be used or describe how the project will be accomplished.

*Task 1 is standard for all grant projects. Follow the format provided below for the additional tasks in your scope of work :*

### **Task 1- Project Administration/Management:**

- A. The RECIPIENT will administer and manage the project. Responsibilities will include, but not be limited to: maintenance of project records; submittal of payment vouchers, fiscal forms, and progress reports; compliance with applicable procurement and technical service agreement requirements; attainment of all required permits, licenses, easements, or property rights necessary for the project; conducting, coordinating, and scheduling of all project activities; quality control; and submittal of required performance items.
- B. The RECIPIENT will ensure that every effort is made to maintain effective communication with the RECIPIENT's designees, the DEPARTMENT, all affected local, state, or federal jurisdictions, and any interested individuals or groups. The RECIPIENT will carry out this project in accordance with completion dates outlined in this Agreement.
- C. The RECIPIENT shall submit all invoice requests and supportive documentation to the Financial Manager of the DEPARTMENT.

#### Required Performance:

1. Effective administration and management of this grant project.
2. Maintenance of all project records.
3. Submittal of all required performance items, including the Post Project Assessment Plan, progress reports, financial vouchers, and maintenance of all project records.

Total Task Cost \$ 2,808.00

### **Task 2: Problem Assessment and Preferred Option**

- A. The RECIPIENT will research and report on information regarding Lake Sawyer including but not limited to: community make-up and history, watershed and waterbody characteristics; fish and wildlife communities; beneficial and recreational uses of the waterbody and surrounding areas; and characterization of aquatic plants present in the waterbody.

- B. The RECIPIENT shall research and report on aquatic plant control alternatives. This shall include but not be limited to: project management goals; overview and discussion of the various aquatic plant control methods available; and the advantages, disadvantages, necessary permits, costs, considerations and appropriateness for each method researched.
- C. Based upon literature reviews and research the RECIPIENT shall determine the preferred method of control for Eurasian watermilfoil, yellow flag iris and fragrant water lily in Lake Sawyer. Methods to control other invasive, noxious weeds will be included based on what is discovered in surveys. This will include a preferred option plan for all weeds containing a timeline, preferred control method, budget, public input and funding.

Required Performance:

1. Research of all existing information for the physical characteristics of Lake Sawyer and its surrounding watershed.
2. Research all existing treatment methods for *M. spicatum* and the associated details for each method.
3. Determine the preferred treatment option for Lake Sawyer based on findings.
4. Include all research results and findings in a document entitled Lake Sawyer Integrated Aquatic Vegetation Management Plan.
5. Submit Lake Sawyer IAVMP to the DEPARTMENT for approval by December 2014.

Total Task Cost \$ 14,974

**Task 3: Survey and Mapping**

- A. The RECIPIENT shall map the locations of the Eurasian watermilfoil in Lake Sawyer. This will include a two day survey effort in the late summer/early fall of 2012 and 2013 by the RECIPIENT. This survey will help determine the extent of the milfoil infestation and other plants present that might have a bearing on chosen method of treatment.
- B. The RECIPIENT shall map the locations of any other noxious, invasive weeds in or around Lake Sawyer. This will be part of the two day survey effort for milfoil in the late summer/early fall of 2012 and 2013 by the RECIPIENT. This survey will help determine the extent of the invasive weed infestation present that might have a bearing on chosen method of treatment
- C. If deemed necessary based on the visual survey done by the RECIPIENT, a contractor may be hired to perform a dive survey to further locate plant populations in the lake.

Required Performance

1. Use GPS to locate all *M. spicatum* populations and other invasive weeds during surveys.
2. Using GPS information, generate a location map with ArcView to be included in the IAVMP.

Total Task Cost \$ 10,110

**Task 4: Public Outreach**

- A. The RECIPIENT shall hold a minimum of two public meetings for the shoreline property owners and area residents at the beginning of the draft IAVMP effort to alert residents about the effort and

methods being considered to achieve the goals of aquatic weed management.

- B. In these first meetings an advisory committee of interested stakeholders will be established and may include local jurisdictions, area residents and community groups. The advisory committee will provide feedback on the IAVMP to the City of Black Diamond for consideration.
- C. A minimum of two further meetings will be held after completion of the Draft IAVMP for comments.
- D. Design and print any necessary materials to educate the Lake Sawyer community about the noxious weeds present in the lake and the IAVMP process.

Required Performance

- 1. Form an advisory committee of interested parties to review and comment on the Draft IAVMP.
- 2. Hold a minimum of four public meetings for the public. Two will be done prior to the completion of the Lake Sawyer Draft Integrated Aquatic Vegetation Management Plan and two will be held upon completion of the draft report in December 2014. Other meetings will be held as necessary both with the public and advisory committee depending on the needs of the project.
- 3. Solicit and respond to all comments for the Lake Sawyer IAVMP.
- 4. Design and print any materials deemed necessary to help educate the public about the noxious weeds and IAVMP process at Lake Sawyer.

Total Task Cost \$ 11,892

**1. PROPOSED BUDGET**

Please provide a budget, using one of the following formats. Provide the total cost of the project, not just the state share.

Budget by Task

Task 1 – Project Management	\$ 2,808.
Task 2 – Problem Assessment and Preferred Option	\$ 14,974
Task 3 – Survey and Mapping	\$ 10,110
Task 4 – Public Outreach	\$ 12,042
<b>Total</b>	<b>\$ 39,934</b>

-- OR --

Budget by Budget Object

Salaries, wages, and benefits (SWB): \$ \_\_\_\_\_

Indirect cost up to 25% of SWB:	\$ _____
Material, supplies	\$ _____
Equipment	\$ _____
Contracts	\$ _____
Other	\$ _____
In-kind contributions	\$ _____
<b>Total</b>	<b>\$ _____</b>

### 3. WATER QUALITY AND PUBLIC HEALTH IMPROVEMENTS

At a minimum, your response should answer these questions:

- Do the plants in this water body pose a threat of infestation to other nearby water bodies? *Include a map of the targeted water body with your application.*
- How is this aquatic plant or plants affecting the targeted water body or water bodies? What is the potential of the plant to impact the targeted water body or water bodies, and how will this project benefit the public?
- What are the project goals? What will you accomplish by undertaking this project?
- Does this project have statewide or regional significance?

Eurasian watermilfoil (*Myriophyllum spicatum*) is a submersed aquatic noxious weed that proliferates, forming dense mats of vegetation in the littoral zone of lakes and reservoirs. It reproduces by fragmentation and is often spread as fragments that “hitch-hike” on boat trailers from one lake to another. This noxious weed can degrade the ecological integrity of a water body in just a few growing seasons. Dense stands of milfoil crowd out native aquatic vegetation, which alter predator-prey relationships among fish and other aquatic animals. *M. spicatum* can also reduce dissolved oxygen – first by inhibiting water mixing in areas where it grows, and then as oxygen is consumed by bacteria during decomposition of dead plant material. Decomposition of *M.spicatum* also adds nutrients to the water that could contribute to increased algal growth and related water quality problems. Further, dense mats of *M. spicatum* can increase the water temperature by absorbing sunlight, create mosquito breeding areas, and negatively affect recreational activities such as swimming, fishing, and boating.

Fragrant waterlily (*Nymphaea odorata*) is a problematic weed that when left uncontrolled can form dense monospecific stands that persist until senescence in the fall. Mats of these floating leaves prevent wind mixing and create extensive areas of low oxygen under the water lily beds in the summer. Water lilies can restrict lakefront access and hinder swimming, boating, and other recreational activity. They may also limit Washington’s native water lily (*Nuphar luteum*) as they overlap in distribution. As patches of lily connect, recreational activities such as boating, fishing, and swimming will become more difficult. Even canoes can have great difficulty moving across dense floating mats of fragrant water lily, not to mention entanglement

with propellers of boat motors. Lily stands can also hide milfoil beneath the floating mats, making milfoil control difficult and less effective.

Yellow flag iris can spread by rhizomes and typically forms dense stands that can exclude even the toughest of the native wetland species, such as *Typha latifolia* (cattail). Iris has already colonized large portions of the Lake Sawyer shoreline and threatens to disperse further if not controlled. In addition to lowering plant diversity, this noxious weed can also alter hydrological dynamics through sediment accretion along the shoreline. This species produces prolific seed that is easily transported downstream to invade other wetland areas.

Milfoil is the weed of greatest concern in the Lake Sawyer because of its proximity to the popular highways 169 and 18. Boats are trailered in and out of the lake and may continue on to other nearby lakes such as Pipe and Lucerne Lakes, Spring Lake, and Lake Wilderness. Eurasian watermilfoil has been eradicated from both Pipe and Lucerne Lakes and is currently being managed on Lake Wilderness and Spring Lake. Reintroduction of *M. spicatum* to these waterbodies would detrimentally affect the work that has been ongoing in these lakes. It is important to write a Lake Sawyer IAVMP to create a comprehensive management strategy that will target the the noxious weed infestations in the lake and give the City of Black Diamond the opportunity to act quickly on the chosen management method to prevent further spreading of milfoil to nearby lakes.

In addition to writing a plan that includes the three main invasive weeds at Lake Sawyer, the surveys will also search for other possible noxious weeds such as purple loosestrife, brazilian elodea and narrow leaf cattail that could be in early colonization phases.

The goals of the creation of an IVAMP for Lake Sawyer are:

- 1) Fully assess and map the extent of the Eurasian watermilfoil infestation and other invasive weeds in Lake Sawyer.
- 2) Write a comprehensive plan that researches all available methods and costs for noxious, invasive aquatic weed removal. This document will also serve as a guide for the city of Black Diamond to make decisions and help guide other potential projects dealing with invasive aquatic weed removal.
- 3) Select an appropriate preferred treatment option for Lake Sawyer based on the noxious weeds found and create a comprehensive management plan around the selected treatment option.
- 4) Work with the Lake Sawyer property owners and other interested parties to educate them on the problem, include them in the discussion, and ask for feedback on the Draft Integrated Aquatic Vegetation Management Plan for Lake Sawyer.
- 5) Produce an IAVMP for the DEPARTMENT for approval.

The Lake Sawyer IAVMP project is a logical step in trying to combat the Eurasian milfoil problem in the lake and the region. It will allow for proper planning and research in trying to find the best milfoil management option. *M. spicatum*, *nymphaea odorata* and *iris pseudocora* are the three most problematic invasive, noxious weeds in Lake Sawyer. Because the lake has an enormous amount of boat traffic and public recreation, the proper management of these weeds would benefit the ecosystem, the citizens who use the lake for recreation, and the other regional lakes that are easily accessed by boaters visting multiple lakes in a day.

#### 4. PROJECT TEAM

Please list the key people who will make this project a success. List the people who will actually lead or work on the project. Note their commitment to the project and any special skills they bring.

Beth leDoux, Water Quality Planner, King County: Ms. leDoux has been with King County Department of Natural Resources and Parks since 2003. She received a BA from Western Washington University in Environmental Studies and MEM from Yale University in watershed science. Her current work program includes the Hydrilla Eradication project on Pipe and Lucerne Lakes as well as Eurasian watermilfoil control project on Bass Lake. She is a licensed herbicide applicator and has been working on noxious, invasive aquatic weeds since 2003. In this project Ms. leDoux will be researching and writing the IAVMP, leading the field surveys and helping to host the public meetings.

Sally Abella, Freshwater Program group lead at King County: Ms. Abella managed the Lake Stewardship Program Manager from 2001 to 2011. Prior to that, she was a Research Scientist specializing in freshwater ecology at the University of Washington from which she received a BS in Geological Sciences and advanced degrees in Zoology and Botany. Ms. Abella will provide technical and editing support for the document and will participate in the public meetings.

Chris Knutson, Water Quality Planner, King County. Mr. Knutson has been with the King County Department of Natural Resources and Parks since 2009. He received his BA from Western Washington University in Environmental Studies. His current work program includes working on the volunteer monitoring program on the small lakes of King County, benthos sampling, fecal coliform studies and field surveys for noxious weeds. Mr. Knutson will help with writing and reviewing the IAVMP, helping on field surveys and participating in the public meetings.

Aaron Nix is a Parks/Natural Resources Director for the City of Black Diamond. He is a graduate of the Evergreen State College and Seattle University with degrees in Environmental Science and Public Administration respectively. Mr. Nix brings a tremendous amount of experience in state grant project management and aquatic management issues. Mr. Nix will be project manager of this project and be involved in all aspects of the project.

## 5. PROJECT DEVELOPMENT AND LOCAL SUPPORT

At a minimum, your response should answer these questions:

- Do you have local citizen support for the project--especially support of those citizens who live on, use, or have an interest in managing the aquatic plants in the targeted water body?
- What is your long-term commitment to this project? Are you prepared to continue implementation of long-term objectives without grant support?

The City of Black Diamond is committed to managing the project and providing the 25% match for this grant if awarded. Black Diamond has a vested interest as this lake is in their stewardship and the City owns a large portion of the south end of the lake in park land and the boat launch. Black Diamond is highly motivated to keep this lake free of noxious, invasive aquatic and terrestrial weeds.

There are many property owners along the shores of Lake Sawyer, and there is a very active community group that is involved in all different aspects of lake stewardship. While outreach has not occurred yet at this point for the IAVMP work, the community is well aware of the weed problem and participates in the King

County Weed Watcher and Lake Stewardship program. Meetings will be held throughout the LAVMP writing to get the community to understand and support the LAVMP goal and strategies prior to being submitted to the DEPARTMENT for approval.

As resources allow, the City of Black Diamond will continue with the recommendations and weed control methods offered by the LAVMP.

*To ask about the availability of this document in a version for the visually impaired call the Water Quality Program at 360-407-6502. Persons with hearing loss, call 711 for Washington Relay Service. Persons with a speech disability, call 877-833-6341.*



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

PO Box 47600 • Olympia, WA 98504-7600 • 360-407-6000

711 for Washington Relay Service • Persons with a speech disability can call 877-833-6341

COMMUNITY DEVELOP.

March 1, 2012

MAR 07 2012

RECEIVED

The Honorable Rebecca Olness, Mayor  
City of Black Diamond  
P.O. Box 599  
Black Diamond, WA 98010

Re: **Aquatic Weeds Management Fund  
FY 2013 Funding Cycle  
Lake Sawyer Integrated Aquatic Vegetation AWMF Management Plan - App. #1307**

Dear Mayor Olness:

I am pleased to inform you that the Department of Ecology (Ecology) is offering up to \$25,000 to the City of Black Diamond for the Lake Sawyer Integrated Aquatic Vegetation Management Plan (IAVMP). These funds are from the Aquatic Weeds Management Fund (AWMF).

Enclosed is the AWMF Final Offer and Applicant List (Offer List). The Offer List provides the priority of projects and estimated funding for each project.

Ecology has assigned the following Project Manager for your project:

Lizbeth Seebacher      Headquarters Office, Lacey      Project Manager      360-407-6938

Lizbeth will contact you soon to schedule a negotiation date. Ecology is committed to negotiating and signing a funding agreement by June 30, 2012. To meet this timeline, it is essential that negotiations and funding agreement development begin as soon as possible. Special grant conditions may also be required to ensure that your project is consistent with applicable state and federal laws and program requirements.

**Be aware that costs incurred before the date of the Water Quality Program Manager's signature on the agreement, are not eligible for reimbursement.**

We appreciate your commitment to improving Washington's water quality and look forward to working with you to make your project a success.

If you have any questions, please contact Lizbeth Seebacher at 360-407-6938 or [lsee461@ecy.wa.gov](mailto:lsee461@ecy.wa.gov).

Sincerely,

Kelly Susewind, P.E., P.G.  
Water Quality Program Manager

Enclosure

cc: Aaron Nix, City of Black Diamond  
Lizbeth Seebacher, Ecology FMS/HQ



**AQUATIC WEEDS MANAGEMENT FUND  
GRANT AGREEMENT  
BETWEEN THE  
STATE OF WASHINGTON DEPARTMENT OF ECOLOGY  
AND  
CITY OF BLACK DIAMOND**

THIS is a binding agreement entered into, by, and between the state of Washington Department of Ecology [DEPARTMENT] and City of Black Diamond [RECIPIENT]. The purpose of this agreement is to provide funds to the RECIPIENT to carry out the activities described herein.

**PART I. GENERAL INFORMATION**

Project Title: **Lake Sawyer Integrated Aquatic Vegetation Management Plan**

Grant Number: **G1200433**

**A. RECIPIENT Information**

RECIPIENT Name and Address **City of Black Diamond  
Rebecca Olness, Mayor  
P.O. Box 599  
Black Diamond, Washington 98010**

RECIPIENT Contact **Aaron Nix**  
Telephone Number: **(360) 886-2560 x220**  
Fax Number: **(360) 886-2592**  
E-mail Address: **anix@ci.blackdiamond.wa.us**

RECIPIENT Billing Contact **Tracey Redd**  
Telephone Number: **(360) 886-5700**  
Fax Number: **(360) 886-2592**  
E-mail Address: **tredd@ci.blackdiamond.wa.us**

RECIPIENT Federal ID Number: **91-6026204**

**B. DEPARTMENT Information**

DEPARTMENT Address: **Water Quality Program  
Washington State Department of Ecology  
P.O. Box 47600  
Olympia, WA 98504-7600**

DEPARTMENT Project Manager: **Lizbeth Seebacher**  
Telephone Number: **(360) 407-6938**

Lake Sawyer IAVMP  
City of Black Diamond  
AWMF Grant No. G1200433

Fax Number: (360) 407-7151  
E-mail Address: Lizbeth.Seebacher@ecy.wa.gov

DEPARTMENT Funding Source: Aquatic Weeds Management Fund

DEPARTMENT Share: \$ 25,000  
RECIPIENT Share: \$ 14,934  
Total PROJECT Cost: \$ 39,934

DEPARTMENT Maximum Percentage: **The DEPARTMENT will reimburse eligible costs at 75 % up to the maximum DEPARTMENT share shown.**

The effective date of this agreement will be the date this agreement is signed by the DEPARTMENT's Water Quality Program Manager. Any work performed prior to the effective date of this agreement will be at the sole expense and risk of the RECIPIENT.

This agreement will expire no later than December 31, 2014.

## **PART II. POST PROJECT ASSESSMENT**

The RECIPIENT agrees to submit a brief survey regarding the key project results or aquatic plant management outcomes and the status of environmental results or goals from the project three years after project completion.

The DEPARTMENT's Water Quality Program Performance Measures Lead will contact the RECIPIENT before the Post Project Assessment date to request this data.

The DEPARTMENT may also conduct site interviews and inspections, and may otherwise evaluate the Project, as part of this assessment.

Post Project Assessment Date: December 31, 2016.

Aquatic plant management project outcomes to be evaluated at the Post Assessment include:

- a) All physical characteristics of Lake Sawyer and surrounding watershed will be researched and added to the IAVMP.
- b) The invasive aquatic and emergent species in Lake Sawyer will be surveyed and mapped.
- c) The preferred treatment options for each species will be determined and added to the IAVMP.
- d) Four public meetings will be held educating the public about the IAVMP.
- e) An Integrated Aquatic Vegetation Management Plan will be submitted to Ecology.

**PART III. PROJECT DESCRIPTION**

An Integrated Aquatic Vegetation Management Plan (IAVMP) is necessary in order to have a strategic plan for dealing with the several noxious weeds in and around Lake Sawyer. The RECIPIENT will survey the lake for current distribution of invasive weeds while writing the IAVMP. In addition to Eurasian milfoil, other invasive weeds such as Brazilian elodea, purple loosestrife and narrow leaf cattail will be mapped if found. These surveys will provide a current, complete list and map of problematic weeds, ensuring a comprehensive and effective management plan.

**PART IV. PROJECT BUDGET**

Project Title: Lake Sawyer IAVMP			
TASKS	TOTAL ELIGIBLE COST (TEC)		
	FY1	FY2	Totals
Task 1. Project Management	\$2,808		\$2,808
Task 2. Lake Assessment	\$14,974		\$14,974
Task 3. Survey & Mapping	\$10,110		\$10,110
Task 4. Public Outreach	\$12,042		\$12,042
<b>Total*</b>	<b>\$39,934</b>		<b>\$39,934</b>
* The DEPARTMENT's Fiscal Office will track to the Total Eligible Project Cost.			
<b>MATCHING REQUIREMENTS</b>			
<b>DEPARTMENT Share</b>	\$25,000		\$25,000
<b>RECIPIENT Share</b> Eligible costs may consist of any combination of Cash, Interlocal, or In-kind contributions.	\$14,934		\$14,934
Adjustments to budget numbers between fiscal years must be approved by Ecology's project manager and are subject to funding availability.			

1. Payment Request Submittals: Payment requests will not be submitted more often than monthly, unless allowed by the DEPARTMENT's Project Manager. The DEPARTMENT's Project Manager may require the RECIPIENT to submit regular payment requests to ensure efficient and timely use of funds.
2. Payment Schedule: Payments will be made on a cost reimbursable basis.

## **PART V. SCOPE OF WORK**

### **Task 1 - Project Administration/Management**

- A. The RECIPIENT will administer the project. Responsibilities will include, but not be limited to: maintenance of project records; submittal of payment vouchers, fiscal forms, and progress reports; compliance with applicable procurement, contracting, and interlocal agreement requirements; attainment of all required permits, licenses, easements of property rights necessary for the project; and submittal of required performance items.
- B. The RECIPIENT will manage the project. Efforts will include conducting, coordinating, and scheduling of project activities, and assuring quality control. The RECIPIENT will make every effort to maintain effective communication with the RECIPIENT's designees, the DEPARTMENT, all affected local, state, or federal jurisdictions, and any interested individuals or groups. The RECIPIENT will carry out this project in accordance with any completion dates outlined in this Agreement.
- C. The RECIPIENT will submit all invoice vouchers, correspondence, and project documents, to the DEPARTMENT Project Manager. Invoice voucher submittals will include a state of Washington Invoice Voucher Form A19-1A, the appropriate B and C forms as described in the current edition of *Administrative Requirements for Ecology Grants and Loans*, and Form D (when applicable). Copies of all applicable forms will be included with an original A19-1A form, and will be submitted to the DEPARTMENT. Blank forms are found in the current edition of *Administrative Requirements for Ecology Grants and Loans* or electronic forms can be obtained from the Project Manager.

Reimbursements from the DEPARTMENT for invoice voucher submittals will be mailed to the RECIPIENT's designee at the following address:

Aaron Nix, Parks / Natural Resources Director  
P.O. Box 599  
Black Diamond, Washington 98010

- D. The RECIPIENT will submit to the DEPARTMENT the following documents and in the quantities identified:
- Draft IAVMP – electronic copy
  - Final IAVMP – electronic copy and two hard copies

The RECIPIENT will submit two copies of any document(s) that require DEPARTMENT approval.

- E. Required Performance:
1. Effective administration and management of this grant project.

2. Maintenance of all project records.
3. Submittal of all required performance items, progress reports, financial vouchers, and maintenance of all project records.

**Task 2 – Assessment and Preferred Option**

- A. The RECIPIENT will contract with a qualified aquatic plant management consultant, King County aquatic plant management personnel and/or use its own staff, to develop an Integrated Aquatic Vegetation Management Plan (IAVMP) that incorporates all the requirements for an IAVMP listed in the DEPARTMENT's Aquatic Weeds Management Fund program guidelines. The RECIPIENT, with input from interested residents and other members of the steering committee, will use *A Citizen's Manual for Developing Integrated Aquatic Vegetation Management Plans* to develop the IAVMP. This manual is available at:  
<http://www.ecy.wa.gov/programs/wq/plants/management/manual/index.html>.
- B. The RECIPIENT will research and report on information regarding Lake Sawyer including but not limited to: community make-up and history, watershed and waterbody characteristics; fish and wildlife communities; beneficial and recreational uses of the waterbody and surrounding areas; and characterization of aquatic plants present in the waterbody.
- C. Based upon literature reviews and research, the RECIPIENT will determine the preferred method of control for Eurasian watermilfoil, yellow flag iris and fragrant water lily in Lake Sawyer. The RECIPIENT will include methods to control other invasive, noxious weeds based on what is discovered in surveys. The RECIPIENT will identify a preferred option plan for all weeds containing a timeline, preferred control method, budget, public input and funding.
- D. If herbicide treatment is planned as part of the IAVMP, the RECIPIENT will address water right issues during the planning process. The RECIPIENT will attempt to identify those residents holding water rights on affected waters. In addition, the RECIPIENT will address human health and environmental concerns about herbicide use prior to its inclusion in the IAVMP.
- E. The RECIPIENT will submit the draft IAVMP to the DEPARTMENT no less than 30 days before the project completion date. Following this review, the RECIPIENT will prepare and submit to the DEPARTMENT a final IAVMP incorporating review comments. The DEPARTMENT recommends that the RECIPIENT submit the final plan through the State Environmental Policy Act (SEPA) process.
- F. Required Performance:
  1. The development of an IAVMP that meets the minimum standards for an IAVMP as set out in the Aquatic Weeds Grant Guidelines.

2. Research of all existing information for the physical characteristics of Lake Sawyer and its surrounding watershed.
3. Research all existing treatment methods for *M. spicatum* and the associated details for each method.
4. Determine the preferred treatment option for Lake Sawyer based on findings.
5. Include all research results and findings in a document entitled Lake Sawyer Integrated Aquatic Vegetation Management Plan.
6. Submittal of the draft IAVMP to the DEPARTMENT for review and comment.
7. Revision of the draft IAVMP according to comments received from the DEPARTMENT.

### **Task 3 – Survey and Mapping**

- A. The RECIPIENT will survey and map the locations of the Eurasian watermilfoil and any other noxious invasive weeds in Lake Sawyer in the late summer/early fall of 2012 and 2013. These surveys will help determine the extent of the milfoil infestation and other plants present that might have a bearing on chosen method of treatment.
- B. Required Performance:
  1. Effectively survey and map Eurasian watermilfoil and other noxious weeds in Lake Sawyer.

### **Task 4 – Public Outreach**

- A. The RECIPIENT will hold a minimum of two public meetings for the shoreline property owners and area residents at the beginning of the draft IAVMP effort to alert residents about the effort and methods being considered to achieve the goals of aquatic weed management.
- B. In these first meetings, the RECIPIENT will establish an advisory committee of interested stakeholders. The advisory committee may include representatives from local jurisdictions, area residents, and community groups. The advisory committee will provide feedback on the IAVMP to the City of Black Diamond for consideration.
- C. The RECIPIENT will hold a minimum of two further meetings will be held completion of the Draft IAVMP for comments.
- D. The RECIPIENT will design and print any necessary materials to educate the Lake Sawyer community about the noxious weeds present in the lake and the IAVMP process. The RECIPIENT will do a regional search for existing material before producing any new educational flyers or pamphlets.
- E. Required Performance:

1. Form an advisory committee of interested parties to review and comment on the Draft IAVMP.
2. Hold a minimum of four public meetings. Two will be held prior to the completion of the Lake Sawyer Draft IAVMP and two will be held upon completion of the draft IAVMP.
3. Solicit and respond to all comments for the Lake Sawyer IAVMP.
4. Design and print any materials needed to help educate the public about the noxious weeds and IAVMP process at Lake Sawyer.

## **VI. SPECIAL TERMS AND CONDITIONS**

- A. **Conflict of Interest.** The company, associated company, contractor, corporation, or individual writing and/or guiding the steering committee through the assessment of plant control options during development of this IAVMP (integrated aquatic vegetation management plan) shall not be considered for implementation of these control measures under state-funded projects.
- B. **Use of Force Account.** In the event the RECIPIENT elects to use its own forces to accomplish eligible project work, the RECIPIENT acknowledges that it has the legal authority to perform the work and adequate and technically qualified staff to perform the work without compromising other government functions. The RECIPIENT must track and report the force account work submitted to the DEPARTMENT for reimbursement.
- C. **Indirect Rate.** The RECIPIENT may charge an indirect rate of up to 25 percent based on employee's direct salary and benefit costs incurred while conducting project-related work. The DEPARTMENT's Financial Manager may require a list of items included in the indirect rate at any time.
- D. **Match Requirement.** Property and services donated by organizations or individuals to accomplish grant requirements may be used as in-kind match. Donated property and services must comply with the DEPARTMENT's current edition of *Administrative Requirements for Ecology Grants and Loans* and the Aquatic Weeds Management Fund Grant Guidelines (<http://www.ecy.wa.gov/biblio/9452.html>). Documentation will be maintained by the RECIPIENT for all donated property and services and made available for review by the DEPARTMENT on request.

**Interlocal Match.** The RECIPIENT certifies by signing this agreement that all negotiated interlocal agreements are consistent with all of the following:

1. Terms of this grant agreement
2. The edition of *Administrative Requirements for Ecology Grants and Loans* that is effective at the signing of this agreement.

3. Chapter 39.34 RCW Interlocal Cooperation Act

All negotiated interlocal agreements will be consistent with the terms of this grant Agreement, the DEPARTMENT's current edition (at the signing of this agreement) of *Administrative Requirements for Ecology Grants and Loans* and Chapter 39.34 RCW Interlocal Cooperation Act. Upon request, the RECIPIENT will submit a copy of the final negotiated interlocal agreement(s) to the DEPARTMENT's Project Manager.

- E. Meeting/Light Refreshments. The RECIPIENT may spend up to \$75 per meeting for light refreshments associated with this project. The total amount spent for light refreshments under this agreement cannot exceed \$75 unless authorized in writing by the Project Manager.
- F. Minority and Women's Business Participation. The RECIPIENT agrees to solicit and recruit, to the extent possible, certified minority-owned (MBE) and women-owned (WBE) businesses in purchases and contracts initiated after the effective date of this agreement.

Contract awards or rejections cannot be made based on MBE or WBE participation. M/WBE participation is encouraged, however, and the RECIPIENT and all prospective bidders or persons submitting qualifications should take the following steps, when possible, in any procurement initiated after the effective date of this agreement:

1. Include qualified minority and women's businesses on solicitation lists.
2. Assure that qualified minority and women's businesses are solicited whenever they are potential sources of services or supplies.
3. Divide the total requirements, when economically feasible, into smaller tasks or quantities, to permit maximum participation by qualified minority and women's businesses.
4. Establish delivery schedules, where work requirements permit, which will encourage participation of qualified minority and women's businesses.
5. Use the services and assistance of the State Office of Minority and Women's Business Enterprises (OMWBE) and the Office of Minority Business Enterprises of the U.S. Department of Commerce, as appropriate.

The RECIPIENT will report to the DEPARTMENT at the time of submitting each invoice, on forms provided by the DEPARTMENT, payments made to qualified firms. Please include the following information:

1. Name and state OMWBE certification number (if available) of any qualified firm receiving funds under the invoice, including any sub-and/or sub-subcontractors.
  2. The total dollar amount paid to qualified firms under this invoice.
- G. Procurement. The RECIPIENT may elect to use its own forces or may contract for professional services necessary to perform and complete project related work. The

RECIPIENT will ensure that this project is completed according to the details of this agreement. By signing this agreement, the RECIPIENT certifies that all applicable requirements have been satisfied in the procurement of any professional services. Upon request, the RECIPIENT will submit a copy of the final negotiated agreement(s) to the DEPARTMENT's Project Manager.

- H. Progress Reports. The RECIPIENT will submit semi-annual Progress Reports to the DEPARTMENT's Project Manager. Progress Reports for January 1 through June 30 are due July 15. Progress Reports for July 1 through December 31 are due January 15. Payment requests will not be processed if the required Progress Reports have not been submitted by the RECIPIENT.
- I. Time for Performance. In the event that the RECIPIENT fails to commence work on the PROJECT within four months after the effective date of this agreement, the DEPARTMENT reserves the right to terminate this agreement.

**VII. ALL WRITINGS CONTAINED HEREIN**

This Agreement, the appended General Terms and Conditions, the DEPARTMENT's current edition of *Administrative Requirements for Ecology Grants and Loans*, and the Aquatic Weeds Management Fund Grant Guidelines contain the entire understanding between the parties, and there are no other understandings or representations other than as set forth, or incorporated by reference, herein. No subsequent modification(s) or amendment(s) of this Agreement will be of any force or effect unless signed by authorized representatives of the RECIPIENT and the DEPARTMENT and made a part of this Agreement, EXCEPT, that in response to a request from the RECIPIENT; the DEPARTMENT may change the grant expiration date. The DEPARTMENT or RECIPIENT may change their respective staff contacts without the concurrence of either party.

IN WITNESS WHEREOF, the parties sign this Grant:

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

CITY OF BLACK DIAMOND

 5/17/12  
KELLY SUSEWIND, P.E., P.G.      DATE  
WATER QUALITY PROGRAM MANAGER

 5-4-12  
REBECCA OLNES      DATE  
MAYOR

APPROVED AS TO FORM ONLY  
ASSISTANT ATTORNEY GENERAL