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## Water Conservation and Quality Improvement Grant Program Application Form

Please carefully complete and review this form before submitting. If you are unclear on any of the sections, please consult the guide to the application on our website, or contact the Office and Project Manager at 250-469-6270 or [grants@obwb.ca](mailto:grants@obwb.ca).

Enter Grant Application Year: 2016

### A. PROJECT SUMMARY

**Organization:** City of Kelowna

**Project Title:** American Avocet Wetland Habitat Restoration

**Regional District:** RDNO ☐ RDCO ☒ RDOS ☐

**Supporting Local Government:** City of Kelowna Council

**Project Budget:** \$60,000 **Grant Requested:** \$30,000

**Project Category:** Restoration

### B. PROJECT CONTACT

**Name:** Andrew Reeder

**Title:** Utility Planning Manager

**Phone:** 250-469-8876

**Email:** [areeder@kelowna.ca](mailto:areeder@kelowna.ca)

### C. PROJECT GOALS

#### What is the aim of the project?

Restore and protect wetland water habitat and breeding grounds for the American Avocet in the area of the Glenmore Landfill. This grant would be applied to the first phase of the project which involves the review of existing plans, proposed options and the development of a conceptual plan to move forward. Future phases would include but not be limited to implementation, monitoring and public education.

### D. PROJECT DELIVERABLES/MEASURABLE OUTCOMES

#### What are the expected deliverables of the project? How will the project's success be measured?

The review of existing and proposed options with a conceptual plan. Success will be measured by the reporting of recommended options and the development of a conceptual plan to move forward.

### E. PROJECT METHODS

**Briefly describe how your organization will meet its goal.**

The American Avocet is known to breed in an area that was historically used for landfilling and is slated for future filling activities. The existing plans to create new Avocet habitat onsite require review in light of the revised Landfill Fill Plan and long term development plans of the Landfill. An environmental consultant will be engaged to review options to enhance Avocet habitat in areas both onsite and offsite and develop a plan. City of Kelowna staff will coordinate the project and engage third party stakeholders. These stakeholders will likely include the local naturalist clubs, the University of British Columbia, the RDCO, landowners and the public.

As the Avocet breeds in alkaline wetlands and water bodies, the enhancement of these breeding sites will further protect these areas. In turn, water quality will be improved by preserving these water bodies. Numerous alkaline water bodies exist in the area of the landfill for potential habitat protection and water quality improvement.

**F. PROJECT TIMELINE**

**Project Start Date: 05/09/2016 Completion Date: 31/03/2017**

**Please list all anticipated phases/activities with dates of completion in the space below:**

**Activities within this project include:**

- Engage a consultant (Summer 2016)**
- Review of existing habitat design and efficacy of the implementation to date (Summer/Fall 2016)**
- Develop and discuss options for habitat enhancement and water quality improvement. Options will likely include the enhancement of habitat and water quality in existing water bodies, such as Robert and Little Robert Lakes, in the area of the Glenmore Landfill (Fall 2016)**
- Report recommended options and develop a plan to move forward (Spring 2017)**

**G. PROJECT PARTNERS**

**How does this project illustrate collaboration with other agencies? With other jurisdictions?**  
**As UBCO owns the majority of land surrounding Robert and Little Robert Lakes, they would be engaged as a partner in enhancement of these areas. The long term project could be an opportunity for instructors and students to be involved in a local habitat restoration project within walking distance of the campus.**

**The RDCO also owns land on the shoreline of Robert Lake containing Robert Lake Regional Park. If this area is used for enhancement, the RDCO could partner with the City of Kelowna in habitat enhancement and public education.**

**The Central Okanagan Naturalist Club has been involved in inventories and studies involving the Avocet in the Kelowna area. This organization would be involved throughout the project.**

#### H. PROJECT VALLEY-WIDE BENEFIT

**Recognizing that the Okanagan is one valley with one water, how does this project benefit the valley as a whole? Describe how the outcomes of the project can benefit others in the Okanagan.**

The American Avocet is a bird currently blue listed as a threatened species and are prized by bird watchers. Hundreds of visitors from around the province and beyond come to the Glenmore Landfill annually to view the Avocet. The social, environmental and economic benefits of the Avocet are significant. Other jurisdictions with breeding sites could use the proposed enhancements to increase or introduce breeding on their sites. The creation of Avocet habitat and breeding grounds would in turn preserve alkaline wetlands that improve water quality.

#### I. PROJECT INNOVATION

**What is innovative about this project? Will this project present a new and/or innovative approach or address a previously identified issue?**

The Avocet is not well distributed throughout BC and only about 6 breeding sites are known in Southern BC, including the Glenmore Landfill. The enhancement of habitat such as nesting platforms has shown to be successful in other jurisdictions but have never been implemented successfully in the Okanagan.

#### J. GRANT TRACK RECORD

**If your organization has received OBWB grants for previous projects, please comment on the success of the projects and the significance of the grants to your organization.**

The City of Kelowna have been fortunate to receive OBWB grants in the past with the most recent being \$20,000 towards the 2015 Mill Creek Tree Management Plan. This grant has enabled the City of Kelowna to focus on tree enhancement with the goal of protecting our future drinking water quality, ensuring public safety and improving terrestrial and aquatic habitat along the creek.

#### K. PROJECT FUNDING

**Total Project Funding: \$60,000**

**Please list below all sources of funding and indicate whether each is direct or in-kind, confirmed or unconfirmed.**

Glenmore Landfill Reserve Fund – direct and unconfirmed

#### L. PROJECT EXPENSES

**Total Project Budget: \$60,000**

**Project Management: \$2,000**

**Equipment: \$0**

**Supplies/Consumables: \$1000**

**Printing/Media:** \$1000

**Consultant/Contractor:** \$53,500

**Travel:** \$500

**Wages:** \$2000

**Other:** \$0

#### SUBMITTING THIS APPLICATION

Please ensure you have reviewed the terms of reference and the guide to the application. Once your application is complete, please submit a copy along with the required supporting resolution from local government and any other supporting documents to:

Okanagan Basin Water Board  
WCQI Grant Program  
1450 KLO Rd  
Kelowna, B.C. V1W 3Z4

Or electronically to:

[grants@obwb.ca](mailto:grants@obwb.ca)

Applications must be received by 4:00 p.m. on the deadline date. Late or incomplete applications will not be accepted. Please save and print a copy of the application for your records.