

UTAH DIVISION OF WATER QUALITY
195 North 1950 West
PO Box 144870
Salt Lake City, UT 84114-4870

Willard Bay Project Proposal Information

NOTE: Proposal must be no longer than 6 pages. Supplemental documents such as letters of support, information to demonstrate previous project implementation and other relative supportive documents may be submitted in addition to this form.

Applicant Name: Jennifer Graham, Weber County Recreation Facilities Director

Project Title: Re-route Storm Water into Kingfisher Wetlands

Agency or Business Name: Weber County Parks and Recreation

Mailing Address: 1181 N. Fairgrounds Drive, Ogden, UT 84404

Phone: (801)-399-8225

email: jgraham@co.weber.ut.us

Individual Non-Profit Govt. Agency Academic Commercial Other

1. Estimated Project Costs:

TOTAL \$187,200 (Estimate dated 3/26/13 from contractor, but not broken down into categories)

Other sources of project funding: N/A at this time

2. Describe the purpose and need of the project.

This project of re-routing storm water to flow into the Kingfisher Wetlands has two purposes.

The first would be to increase the amount of water in the wetlands and potentially save them from drying up. Historically, the wetlands have been fed primarily from storm water. There is also drainage of rain off the landfill cap adjacent to the wetland, but that is minimal. Within the last 5-6 years we have noticed a significant reduction in the amount of storm water that is collected in the wetlands. This lack of water has caused the size of the wetlands to decrease and the vegetation in the wetlands to increase. We have reached a point that we fear the wetlands may not survive another 3 years.

The second is that there is storm water flowing directly into the Weber River approximately 150 yards to the south end of the wetlands. This storm water is believed to be coming from the businesses and industry located on Pennsylvania Avenue to the south (I am in the process of trying to verify this with now).

By rerouting the storm water, the wetlands would receive enough water flow to become a healthy wetlands once more and the storm water that is flowing into the Weber River could be filtered by the wetlands before it entered the Weber River.

3. Estimated time frame of the project with significant milestones.

5/28/14	Notified of Acceptance
12/31/14	Completion of Project Research including, but not limited to: Testing of Storm Water from new source to identify potential contaminants Confirming storm water path from Pennsylvania Avenue Preliminary approval of Union Pacific, including settling ponds on UP property Finalized Engineered plans prepared
3/31/15	Final approval process with Union Pacific, including written agreement Bid process completed including, but not limited to: Bid documents prepared and reviewed by all necessary parties Bid sent out in accordance with purchasing ordinance Successful bidder notified and contracted
7/31/15	Construction completed
9/30/15	Completion reports submitted to Utah Division of Water Quality

4. Describe the location of the project with attached location map, including details on the total area that will be directly enhanced by the project.

The Kingfisher Wetlands is located in West Ogden and is part of the closure plan for the old landfill that occupied an area just west of the Weber River and just north of the Union Pacific and Front Runner Tracks that are on the north side of 31st Street.

The wetlands would be increased to cover approximately 6 acres of land. It currently is less than 1 acre. See attached map title "Location Map".

5. Describe how the project will specifically enhance and protect waterways affected by the Willard Bay Diesel release and improve the conditions of one or more of the following: wildlife, habitat, natural vegetation, water quality or emergency response.

This project is not directly connected to the Willard Bay diesel release. This project is in a neighboring community. This project will improve storm water management and will also enhance:

Habitat – By restoring the wetlands to the original size, there will be an increased area for wetland wildlife.

Wildlife – Restoring the habitat will increase the amount of wildlife benefitting from the wetlands. The wetlands was named after one of the most common birds seen at the site, however, with the recent changes to the water levels, the Kingfisher sightings have become rare.

Water Quality – The storm water that is now being directly discharged into the Weber River will be sent to the wetlands to be cleaned before it enters the river.

6. Describe project's connectivity to other natural areas or projects that further enhance wildlife, habitat, natural vegetation, water quality or emergency response.

The Kingfisher Wetlands is part of a larger urban open space. It is adjacent to the 84 acre Fort Buenaventura and to the capped landfill turned open space. The wetlands are connected to both by the trail system that weaves through Ogden City. The Weber River to the immediate East is home to many fish. The pond at Fort Buenaventura has geese. Fox and deer visit the Cap and Fort Buenaventura regularly.

The storm water that is proposed to be re-routed currently is dropping directly into the Weber River, to be able to filter that water through the wetlands would improve the quality of the water being sent down stream.

7. Describe any additional social benefits of implementing this project.

The Kingfisher Wetlands is considered to be just one of the "gems" along the paved Centennial Trail in Weber County. When completed, the trail will cover nearly 27 miles of Weber County. There are only about 3-4 miles to finish. Other points along the trail that draw recreational use are: a disc golf course and a BMX track in Riverdale, remote picnic pavilions in West Haven, multiple points of access to mountain bike trails at the end points that are near the bench, and a kayak park and the 21st Street fishing pond in Ogden. The trail also allows for easy river access for fishing and is host to trail day events and 5K races.

Having the ability to view the wetlands directly from the trail or to detour and explore the loop trail that surrounds the wetlands is a great benefit to the trail users and bird watchers.

8. Project plans and details, including rights to work on specified piece of land.

The project would consist of capturing storm water from its current location on the south side of the Union Pacific Railroad tracks by tapping into a storm water box/catch basin and rerouting it to the wetlands. The piping would need to be run under the Union Pacific Railroad lines. The water would then hit daylight on the north side of the tracks while still on UP land. The area it would flow to has been part of the wetlands in the past, but has been dry the last several years.

The land that would need to be altered would be Union Pacific land and Weber County land. This application is being submitted by Weber County Parks by authorization of the Weber County Commission, so that approval is in place. Weber County submitted a plan to Union Pacific Railroad in February 2013 to allow for boring to be done under the tracks to accommodate the piping necessary to reroute the water. Union Pacific had very specific requirements that needed to be met. The plan that was submitted was approved by the railroad, but the initial estimates of the cost of the project forced the county to abandon the project. After further consultation with staff from the Division of Water Quality, the site of preferential boring and the spot of hitting daylight has changed from the original plan, but due to the fact that the project was approved prior, it is believed that the necessary approvals

could be obtained again. If the new requested bore line or drop site was not allowed by UP, the initial plan, or some form of it, could still be used.

9. Describe your experience in implementing projects of similar scope and magnitude.

As the Director of Weber County Recreation Facilities, I have been involved in many large scale projects. Construction of buildings, master planning of parks, alterations of facilities, and park water system redesigns are some examples. I will also be working with the Weber County Engineering Office for advice and support as necessary to see this project through.

10. Describe how on-going maintenance of the project will be funded and carried out.

This project will require minimal on-going maintenance. Once the construction is completed, it will be virtually self sustaining. The wetlands already exist and are maintained as necessary by volunteers and occasionally county parks maintenance staff.

11. List consultants or agency partners that have participated in the project development.

Pam Kramer Division of Wildlife Resources	515 E. 5300 S. Ogden, UT 84405	801-476-2740
Toby Hooker Division of Water Quality	195 N. 1950 W. SLC, UT 84116	801-536-4289
Bill Damery Division of Water Quality	195 N. 1950 W. SLC, UT 84416	
Jay Lowder Ogden City Public Services	133 W. 29 th Street Ogden, UT 84401	801-629-8337
Jay Hudson Audubon Society	4535 Country Hills Lane South Ogden, UT 84403	801-479-5992
Rochelle Pheaster Weber County Engineering	2380 Washington Blvd Ogden, UT 84401	801-399-8372
Gary Laird Weber County Transfer Station	867 Wilson Lane Ogden, UT 84401	801-399-8358

Sign 

Date 5-5-14

Location Map

Google Maps



N ↑

Item # 4:
Location Map



Google earth



Item #8:
Project Plan



Designed by
J. ANDERSEN
SR
1"=100'
DATE
1 MAY 2014
SHEET

PROJECT: WETLANDS RESTORATION AT
THE FORT
FOR: WEBER COUNTY

NOTE: ALL CONSTRUCTION
TO FOLLOW COUNTY AND
APWA STANDARD PLANS
AND SPECIFICATIONS

Item #8:
Project Plan - Close-up



NO
TRESPASSING
STAY ON TRAIL

NO
TRESPASSING
TRAIL USERS
STAY ON TRAIL

