

**Blueprint Jordan River:  
Goals & Inventory  
2008-2020**

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# Survey Responses

The survey was sent to 280 people from approximately 50 different organizations, municipalities, and agencies

38 responded

~17% total people responded

About 56% of organizations/cities/agencies responded

## **Agencies & Special Districts:**

Division of Water Resources  
Forestry, Fire and State Lands  
Jordan Valley Water Conservancy District  
Salt Lake City Mosquito Abatement District  
Utah Department of Water Quality  
Utah Reclamation Mitigation and  
Conservation Commission

## **Individuals:**

Elliot Mott

## **Cities:**

Bluffdale  
Draper  
Lehi  
Midvale  
Millcreek  
Murray  
North Salt Lake  
Salt Lake City  
Sandy  
Saratoga Springs  
South Jordan  
South Salt Lake  
Taylorsville  
West Jordan  
West Valley

## **Counties:**

Davis County  
Salt Lake County  
Salt Lake County Watershed

## **Organizations:**

Hogle Zoo  
RiverRestoration  
Rocky Mountain Power  
Tracy Aviary  
Wasatch Rowing Foundation  
Waterford School

# **Part 1: Rehabilitating the River**

# A. Flood Control & Hydrology

5

1

## Develop comprehensive water quality data, measurements, and models

- a. **Develop a hydrologic and water quality model for water quality planning and compliance**
  - **Division of Water Resources** - Models watershed, calculates water uses in the river
  - **Department of Water Quality** - Collect water quality data
  - **Jordan Valley Water Conservancy District** - 2010 shallow groundwater study
  - **Salt Lake County Flood Control Engineering** - 2019 Hydraulics study of the Jordan River, Burnham dam to Turner Dam
  - **Salt Lake County Watershed** - Multiple sampling locations along river
- b. **Develop a wetland delineation that goes beyond existing data**

**Bluffdale City** - Jordan River Floodplain Delineation
- c. **Conduct a geomorphic assessment of the river channel on which to base context specific restoration goals**

**No data**
- d. **Develop an inventory and functional analysis of segments of the river and its corridor that are interrupted or disconnected**

**No data**
- e. **Other**

**Forestry Fire & State Lands** - No project data listed

2

## Develop a flow management plan such that the flows more closely resemble a natural flow regime

- a. **Develop a flow management strategy for releases from Utah Lake and diversions to the surplus canal**
  - **Bluffdale** - work with Army Corps of Engineers to model canal flow and Jordan River flood flow

- **Salt Lake County Flood Control Engineering** - Surplus Canal design flow rate is set by the United States Army Corps of Engineers, the levees are designed to handle no more than 3,300 cfs with the required freeboard

- b. **Increase in-stream flows which fully support the beneficial uses of the river, including the corridor's ecological systems, in-stream recreation and aesthetics, domestic water supply and irrigation**

**Department of Water Quality** - studying the impact increase in-stream flow would have on dissolved oxygen. Location: Lower Jordan River below surplus canal

- c. **Examine the options for acquisition or transfer of water rights to be used for enhancing instream flows**

**No data**

- d. **Pursue these strategies in close collaboration with water right holders and respect their existing rights**

**Jordan Valley Water Conservancy District** - has many rights in the Jordan River and associated canals. Explored options to convert those rights to shallow groundwater.

- e. **Other**

**Murray** - Improvements at 6400 S. Partnership with Salt Lake County

3

## Restore the river channel and buffers along the river to improve and protect water quality, enhance hydrologic function, and support goals for vegetation, wildlife, and habitat

- a. **Restore natural river channel profile by increasing connectivity between the Jordan River and its historic floodplain**

- **Salt Lake County Watershed** - rebuilt floodplains to sustain flood flow
- **Department of Water Quality** - Increased access of main stem to flood plain (Big Bend)

- b. **Restore oxbows and meanders where possible to improve immediate river environment, provide increased habitat for fish and other wildlife, provide storage for seasonal flood flows and provide increased wetland habitat**

- **Murray** - Oxbow restoration
- **Salt Lake County Watershed** - River realignment at 12600 S

- c. **Improve and protect wetlands, channel bed and riverbank stability to prevent degradation from erosion and sediment transport due to urban development and channelization**

- **Bluffdale** - Conserve areas next to the river, maintain the trail. Location: Perry Farms, Springview Farms, & others
- **Lehi** - Enacted Jordan River Overlay zoning which doesn't allow development close to the river to allow natural buffers
- **Murray** - Wetland mitigation
- **Salt Lake County Watershed** - Channel Repair at Winchester Park
- **South Jordan**

- d. **Restore eroded banks to significantly reduce sediment loads, thereby promoting stability and equilibrium of in-stream species**

- **Murray** - Bank stabilization
- **Forestry Fire & State Lands** - Bank stabilization funding
- **Salt Lake County Watershed** - Bank stabilization at 4800 S - 5100 S
- **South Jordan** - Bank stabilization at Anderson Mitigation Site

- e. **Restore native riparian-wetland vegetation corridor wide to restore natural hydrology**

- **Davis County** - Weed management and restoration
- **Murray** - Riparian and wetland removal and revegetation
- **River Restoration** - Big Bend Site
- **Rocky Mountain Power** - Vegetation projects with TreeUtah
- **Salt Lake County Watershed** - vegetation restoration
- **Utah Reclamation Mitigation and Conservation Commission** - unsuccessful revegetation project in South Jordan

- f. **Other**

- **Rocky Mountain Power** - Install nest platforms for herons and ospreys
- **US Fish & Wildlife Service** - Have funding available through natural resources settlements
- **Department of Water Quality** - Many various projects

## 4

### Improve flood conveyance capacity to safely store and transport flood waters within the river corridor

- a. **Conduct a feasibility study to identify specific canals that may be operated and maintained as flood control facilities**

**No data**

- b. **Conduct flood control activities in a sustainable way to promote stable channel conditions**

**DEQ & SLCo** - Retention ponds along tributaries

**Salt Lake County Flood Control Engineering** - The majority of canals are flood control facilities by Salt Lake County Ordinance. Flood Control typically pays 25% of the canal maintenance cost in exchange for the canal accepting stormwater. All stormwater connections to the canals must be approved by a SLCo Flood Control Permit.

- c. **Dredge as needed to maintain flood control capacity**

**No data**

- d. **Preserve lands within the 100 year flood plain for water storage and conveyance**

- **Preservation work** - Major focus on restoration/reclamation work. No direct data on preservation
- **For water storage and conveyance** - no direct data

- f. **Other**

- **JVWCD** - involved with boards of most canal companies
- **Murray** - Land acquisition and zoning
- **US Fish and Wildlife Service** - Sharon Steel Restoration Fund

## 5

## Control pollution to meet state standards

- a. **Reduce pollutant loads to improve water quality to support aquatic habitat, water supply and social functions**
- **DWQ** - Various projects: TMDLs (Total Maximum Daily Load), assessment, stormwater, Utah Pollutant Discharge Elimination System (UPDES), nutrient management, studies/research, NPS projects
  - **FFSL** - Work with partners to reduce pollution
  - **FFSL & North Salt Lake** - Installation of trash boom in NSL
  - **Jordan River Commission** - 2017 - Purchased canoes and canoe trailer for trash clean ups in river. The JRC is also a major supported of the Salt Lake Valley Coalition to End Homelessness. This is especially important because of the significant impact homeless camps can have on river pollution.
  - **Lehi** - Developments along the river detain or (in most cases) retain stormwater on site to minimize direct discharge and contaminants discharging into the river
  - **Murray** - Stormwater Pollution Prevention Plan (SWPPP), Central Valley Water Reclamation Facility member, stormwater coalition, permitting
  - **North Salt Lake** - SWPPP regulations
  - **Salt Lake County Health Department** - Environmental/homeless camp cleanups along the Jordan River. This is also to relieve the impact of bank degradation and pollution from human waste. Ties into the Jordan River Recreation Area legislative appropriation funding (see Recreation and Tourism Goals 1k, Jordan River Commission).
  - **Sandy** - Dry creek improvements between State Street and I-15
  - **Murray City**
  - **Saratoga Springs** - Require stormwater cleaning devices on all stormwater discharges
  - **South Salt Lake** - Clean up projects
- Develop regional wastewater planning procedure**
- b. **requirements to enhance, improve and protect water quality functions**
- **Stormwater Pollution Prevention Plan (SWPPP)**
  - **Utah Pollutant Discharge Elimination System (UPDES)**

## 6

## Encourage land uses near the river that enhance water quality

- Provide open space to preserve the river and its tributaries, as open space provides impervious surfaces which aid filtration and slow runoff to the river**
- a.
- **Murray** - Open space restoration
  - **FFSL** - funding for open space and restoration projects
  - **South Jordan** - Anderson Mitigation Site and other areas along the trail
- b. **Encourage all cities within the river corridor to adopt river buffer standards**
- Midvale** - Bingham Junction Master Development Agreement required an approximate 150 foot open space buffer along the Jordan River
- c. **Avoid placing development within the stream corridor, meander corridor, wetlands or floodplain of the river**
- Lehi** - Jordan river zoning allows for open space and restricts development
- d. **New developments should incorporate best management practices for development along the river corridor**
- FFSL** - Strict permitting requirements for best practices
- e. **Implement recommended management practices for golf courses and parks along the river**
- **Murray** - golf course
  - **Sandy** - golf course
- f. **Reduce grazing, off-road vehicle use and illegal dumping along the river**
- **DQW**
  - **FFSL** - Patrolling

# B. Stormwater Management

8

## Goals

1

Protect water quality through better stormwater management

- **Bluffdale** - Storm Water Management Program, with regular testing of all outfalls
- **Davis County** - Illicit discharge ordinance is in place
- **DWQ** - Low Impact Development (LID) demonstration projects with cities, towns, university. Funded LID manual.
- **FFSL** - Work closely with SLCo Flood Control on permitting and occasionally assisting with funding, requiring certain infrastructure when permitting development such as erosion control for construction, bioengineering, etc.
- **Lehi** - Retain stormwater on site for most developments along the river to minimize nutrients and contaminants going into the river
- **North Salt Lake** - SWPPP compliance, LID
- **Rocky Mountain Power** - all facilities along the river with oil-filled electrical equipment have designed and built secondary containment structures and plans. These facilities are monitored regularly
- **South Salt Lake** - SSL Stormwater Management Plan, Utah Pollutant Discharge Elimination System Permit (2100 S to 3900 S)
- **Salt Lake County Watershed** - Salt Lake County has implemented the Salt Lake County Stormwater Coalition to use a group funding to reach a greater audience regarding stormwater pollution. This coalition annually spends almost \$200,000 on advertising, Water Quality fairs for K-12 students, a new water quality curriculum to target NPS pollution and social media outreach designed to attract the public. The County has also installed stormwater BMPs at most of it's facilities.
- **Sandy** - SLCo Flood Control, DQW and Comprehensive Stormwater Management Plan, and Bell Canyon Preservation Trailhead
- 

2

Manage runoff and peak flows to reduce erosion and sedimentation and slow the rate of pollutant entry into the river

- **Saratoga Springs** - Detain to historical discharge rates, clean all stormwater prior to discharge
- **South Jordan** - street sweeping, storm drain camera inspections, inlet and manhole cleaning, installation of in-house best management practice, pond maintenance, monitoring and inspections of outfalls, UPDES program requirements, and a partnership with Salt Lake County Coalition.
- **Taylorsville** - Low Impact Development
- **Davis County** - Stormwater discharge ordinance in place
- **DWQ** - same as last section
- **FFSL** - Permitting requirements
- **Lehi** - Through on site retention/detention
- **JVWCD** - At various sites as a condition of city ordinances
- **North Salt Lake** - Retention basins and swales
- **Salt Lake County Flood Control** - All stormwater connections to the Jordan River are required to have a Salt Lake County Flood Control permit. Flood Control requires detention before stormwater can be discharged into the Jordan River.
- **Salt Lake County Watershed** - Salt Lake County has enacted through ordinance the requirement to detain/retain stormwater up to the 80th percentile storm on site. Salt Lake County also requires all new County owned buildings be LEED certified.
- **Sandy** - Stormwater management program & SWPPP
- **Saratoga Springs** - same as last section
- **South Jordan** - Using detention and retention ponds to reduce the high flow volume and the build-up of sedimentation. Also, South Jordan's UPDES program and the permit requirements for construction and post contraction BMPs.
- **Utah Division of Water Resources** - Provides funding to improvement projects



## 3

### Integrate stormwater treatment into open lands to naturally filter water runoff

- **Bluffdale** - Using LID practices to clean and filter runoff
- **DWQ** - same as last section
- **FFSL** - Worked with SLCo Flood Control to better control sediment and storm water events from Corner Canyon Creek across the Division's Galena property; Implementing bioengineering techniques as the preferred erosion control on the entire river
- **Lehi** - Wetlands areas and open spaces along the Jordan River are being used for stormwater runoff to naturally treat stormwater
- **South Jordan** - The use of detention/retention ponds and LID standards for redevelopment and new development
- **West Valley City & RiverRestoration** - Cottonwood ponds stormwater catch basin. Educational sign & public art element. Publication with monograph booklet, done in partnership with the Center for Documentation and Arts

## 4

### Integrate stormwater treatment into developed areas to filter stormwater runoff

- **Bluffdale** - no projects listed
- **DWQ** - Same as last section, Municipal Separate Storm Sewer System (MS4) Program
- **FFSL** - Jordan River CMP provides BMPs for stormwater management runoff.
- **Lehi** - Various LID practices being implemented in newly developed areas to treat stormwater
- **Salt Lake County Watershed** - Stormwater ordinances (see Goal 2)
- **Sandy** - Stormwater management program
- **Saratoga Springs** - Same answer as Goal 1
- **South Jordan** - The installation of vortex systems, passive skimmers, LID practices, oil/water separators, sumps, snouts/snorkel, and orifice plates for private system and municipal owned infrastructure.
- **North Salt Lake** - Retention basins and swales, LID

## 5

### Add to the value of developments while reducing the costs of construction

#### a. Incorporate porous pavement and roadways to allow groundwater recharge

**Lehi** - Underground infiltration and retention

**South Jordan** - The City has developed and implemented LID standards. Project example: Highland Park's installation of permeable pavers in the parking lot to allow for infiltration of storm water runoff from the site. Although this is not near the Jordan River, it is an example of what the City would consider doing when making improvements to its property along the Jordan River or allow developers to do when developing near the river.

#### b. Increase storage capacity for stormwater flow through bio-retention ponds, bio-swales and other techniques

**JVWCD** - Conservation Garden Park bio-swales

#### c. Utilize natural structures such as bio-swales instead of "hard engineered" structures to filter and convey water back into the water table

**JVWCD** - Conservation Garden Park bio-swales

#### d. Establish multijurisdictional stormwater districts

**No data**

#### f. Other

- **DEQ** - Stormwater Program
- **Department of Water Resources** - During the project review process, improvements are identified and encouraged to the extent possible by the Board and Division of Water Resources
- **Rocky Mountain Power** - Installed heron and osprey platforms. Installed kiosk signage on company property regarding birds of the Jordan River.
- **Salt Lake County Watershed** - Ordinances to keep stormwater on site

**f. Other (cont.)**

- **Sandy** - Using LID principals in City Projects. Developments will be required to do this with the completion of the Comprehensive Storm Water Management Plan.
- **South Salt Lake** - No project specified

# C. Vegetation and Habitat

11

## Goals

1

Protect and improve the health of existing desirable plant species

- a. **Develop an inventory of native and desirable vegetation patches**
  - **FFSL & JRC** - List of desirable species in JR CWMA guiding document
  - **Salt Lake County Watershed** - List of desirable things to plant on website
- b. **Preserve and enhance areas to increase biodiversity**
  - **FFSL** - vegetation management in Taylorsville and Galena
  - **RiverRestoration** - Big Bend Restoration Project, Riverton Wetlands project, Pioneer Crossing, and Cottonwood Ponds
  - **West Jordan** - Big Bend Restoration Project
  - **Tracy Aviary** - Tracy Aviary's Jordan River Nature Center has implemented tree-monitoring, wrapping to decrease beaver damage, and native-plant growing/planting projects
  - **Murray** - invasive species removal and revegetation projects (between 2100 S and 3900 S)
  - **US Fish and Wildlife Service** - Sharon Steel Restoration Program, Bear River Migratory Bird Refuge partnership efforts, partner funding. Focus has been on a restoration project in South Jordan (100 S. to 110 S., on the east side of the river), and the West Jordan "Big Bend" project (84th S. to 88th S., approximately, on the west side of the river)
  - **South Jordan** - Anderson Mitigation Site
  - **South Salt Lake** - Volunteer projects with Salt Lake County parks and open space
  - **Utah Reclamation Mitigation and Conservation Commission (URMCC)**
  - **Saratoga Springs** - Developed areas to be left native are required to remove invasive and noxious vegetation

- **Salt Lake County** - Installed native plant test areas at Little Confluence Working on native vegetation improvements at Pioneer Crossing and Meadowbrook Nature Area.
- **DWQ** - Supporting local NPS projects in stabilizing river banks with localized vegetation.
- **Salt Lake County Watershed** - SLCo Watershed Program stream restoration projects on the Jordan River include stabilizing eroding streambanks, rebuilding floodplains to sustain major flood flows, invasive weed control, and replanting with native trees, shrubs, grasses and wildflowers to improve the diversity of native riparian plant communities. We're using natural channel design techniques to return the river to a more self-sustaining form. This protects water quality and creates/improves both terrestrial and aquatic habitat. Partners have included: DWQ, FFSL, JRC, Murray City, Draper City.
- **Seven Canyons Trust** - Work at Millcreek Confluence. Weed removal and restoration work.

c. **Retain genetic representation of native plants on a landscape level**

- **FFSL & JRC** - Native Tree Planting
- **TreeUtah** - Native Tree Planting
- **URMCC** - Revegetation efforts

d. **Other**

- **South Salt Lake** - Clean up projects along river
- **FFSL** - Funding for projects
- **JVWCD** - Conservation Garden Park and staff promote Utah native species and water wise landscaping
- **West Valley** - General maintenance (at Cultural Celebration Center)

2

Control noxious and invasive plant species

a. **Work to further develop a noxious weed inventory for the corridor**

**RiverRestoration** - Common weeds of the Jordan River list

- b. **Develop and implement weed control strategies based upon ecologically sound practices**

**RiverRestoration**

**FFSL**

**Murray**

- c. **Treat noxious weeds in a phased manner and continue to maintain noxious weed-free areas**

- **Big Bend and along Jordan River Trail**
- **Davis County**
- **Draper** - Weed abatement campaigns
- **Hogle Zoo** - Scotch thistle and puncturevine removal (at Roi Hardy Park, Alzheimers Park, and Three Creeks Confluence)
- **FFSL** - numerous projects and areas
- **Jordan River Commission** - 2014 volunteer event with Keep America Beautiful to remove invasive species and trash. The JRC hosts many cleanup events to support noxious weed removal. The JRC acquired a van donated from UTA 2015 and pickup truck to aid in these projects. The JRC also created the Jordan River CWMA in 2019 to address and coordinate weed management along the Jordan River.
- **Millcreek** - currently working with Salt Lake County to clean up the invasive species along the Jordan River near 3900 S
- **Murray**
- **RiverRestoration** - Big Bend, Riverton Ponds
- **Salt Lake County**
- **South Salt Lake** - Puncturevine removal
- **URMCC** - Ongoing contract for weed control at 10600 South and 12600 South
- **West Jordan** - Phragmites removal, noxious weeds work at Big Bend and along the river
- **Salt Lake County Watershed** - Noxious weed management

- d. **Establish site appropriate vegetation utilizing saplings, seeds or root masses**

- **FFSL**
- **Murray**

- **RiverRestoration**
- **Rocky Mountain Power** - partnership with TreeUtah
- **TreeUtah**
- **Salt Lake County Watershed**

- e. **Other**

- **DWQ** - Indirectly through cooperation on NPS projects.
- **Jordan River Commission** - Pocket field guides for general noxious weeds information
- **The Division of Water Resources** - supports JRC with projects
- **US Fish and Wildlife Service** - Partnership with West Jordan and URMCC

### 3

Restore native plant communities and ecosystems to the fullest possible richness, diversity, and health

- a. **Create an ecosystem profile of optimum species composition**

**No data**

- b. **Conduct an environmental assessment of riparian corridor**

**No data**

- c. **Identify restoration potential of specific parcels within corridor**

**No data**

- d. **Publish best practices for long term ecosystem management**

**No data**

- e. **Other**

- **DQW** - Same as goal 2
- **FFSL** - Many projects. Jordan River Comprehensive Management Plan provides best practice management for ecosystem restoration

- **Jordan River Commission, Jordan River Foundation** - 2018-19 Tall Pot project for planting native trees (cottonwoods and willows) along the river. 2019 financial support from Harmon donation. The JRC also acquired a water trail for watering plantings.
- **JVWCD** - Conservation Garden Park and staff promote Utah native species and water wise landscaping
- **Midvale** - On a limited basis, specifically for the stormwater pond/wetland area at the south end of Jordan Bluffs.
- **Murray**
- **Tracy Aviary** - Currently run 8 community science bird and habitat monitoring projects at sites along the Jordan River
- **Rocky Mountain Power** - Partnership with TreeUtah
- **Salt Lake City** - In 2010-2012, SLC partnered with Salt Lake County Flood Control's Watershed Restoration & Planning Division to conduct native species restoration on four riverbank areas, located at the 2100 South 'oxbow', the 'Peace Tree Bend' north of 1700 South, Modesto Park/Bend In The River south of Fremont Ave, and approximately 600 South. In 2011-2013, SLC and SWCA constructed three wetlands along the Jordan River between 1800 N and 2500 N to mitigate the impacts from the construction of the Regional Athletic Complex, as required by the Army Corps of Engineers. The wetlands were planted with native species. In 2014, SLC performed two major native species restoration projects using mitigation funds related to the 2010 Red Butte Oil Spill, at 900 South and at 1800 North. The 900 South project included the creation of a wetland and various eco-regions within a 6-acre property, and the 1800 North project included native species plantings and soil lifts on eroding river banks. SLC Trails & Natural Lands has also conducted hundreds of volunteer planting and seeding efforts with native plant species at locations up and down the City's section of river, and has partnered with various community groups and NGOs on these efforts.

- **Salt Lake County** - SLCo Parks and Recreation has initiated several bank stabilization / restoration projects along the river, most recently a section of the riverbank near the Oxbow Jail. This type of project also involves installing native plants. These types of projects have directly and indirectly had a positive impact improving the water quality, and thus restoring the overall ecosystem, fish habitat, wildlife habitat within the river corridor. SLCo Noxious Weeds also received JRC large grant several years ago in partnership with SLCo parks and UDOT
- **Salt Lake County Watershed** - SLCo Watershed Program stream restoration projects on the Jordan River include stabilizing eroding streambanks, rebuilding floodplains to sustain major flood flows, invasive weed control and replanting with native trees, shrubs, grasses and wildflowers to improve the diversity of native riparian plant communities. We're using natural channel design techniques to return the river to a more self-sustaining form. This protects water quality and creates/improves both terrestrial and aquatic habitat. Partners have included: DWQ, FFSL, JRC, Murray City, Draper City.
- **South Jordan** - The City has dedicated staff to maintain open space along the JRT and other areas of the City. In the past, we have collaborated with Kari A. Smith M.S., PWS, CPESC for assistance in restoration projects along the trail and mitigation sites.
- **URMCC** - 2015 with Great Salt Lake Audubon, 2019 with the Jordan River Foundation effort
- **US Fish and Wildlife Service**
- **West Jordan** - Big Bends Restoration
- **West Valley City** - Tree planting with Jordan River Commission

## 4

## Restore wildlife habitat

- a. **Diversify plant and shrub age class with a multi-story vegetation cover**

No data

**b. Plant species appropriate for desirable wildlife**

- **FFSL** - revegetation
- **Hogle Zoo** - Working with the Jordan River Commission, the Nature Conservancy, and RiverRestoration we have planted native trees and shrubs and spread native seeds (Big Bend and Legacy Nature Preserve)
- **Midvale**
- **Murray** - revegetation
- **Salt Lake City** - Restoration projects along the river (see answer to previous question) have focused on native plant species restoration and creation of diverse habitats. However, few projects have included species-specific wildlife restoration goals, and none have included pre- and post-project monitoring to evaluate actual impact on wildlife species. Two iNaturalist project sites at the Fife Wetland Preserve and Peace Tree Bend, by NHMU, do provide some helpful data.
- **Rocky Mountain Power** - Partnership with TreeUtah. Plant cottonwood trees
- **Salt Lake County**
- **Salt Lake County Watershed**
- **South Jordan** - Anderson Mitigation Site
- **US Fish & Wildlife** - Work with West Jordan and URMCC
- **West Jordan** - Big Bend revegetation

**c. Promote biological diversity through use of many native plant species**

Same as above

**d. Other**

- **DEQ** - Support projects
- **Murray** - Service projects including bat houses and bird nests
- **Rocky Mountain Power** - Heron and osprey nest platform

5

## Enhance fish habitat

**a. Plant appropriate vegetation “on bank” for river shading to lower water temperatures**

- **Murray** - revegetation
- **West Jordan** - revegetation

**b. Restore or enhance existing emergent marsh areas for fish spawning**

- **West Jordan** - Bateman Pond was reconstructed and deepened
- **US Fish and Wildlife Service** - Jordan River channel restoration at Big Bend site may result in more fish habitat; working with DWR to construct a community fishery at the site.

**c. Other**

- **DWQ** - Supports projects
- **FFSL** - Jordan River Comprehensive Management Plan provides BMPs for improving wildlife habitat
- **Salt Lake County Watershed** - various projects
- **South Jordan** - Not in the River, but the City owns and maintains 3 urban fishing ponds adjacent to the river. More on that in the Recreation and Tourism section of this inventory.

6

## Stabilize river banks to improve water quality

**a. Plant appropriate vegetation “on bank” to establish roots to hold bank from erosion**

- **Hogle Zoo** - Plantings with Jordan River Commission and RiverRestoration
- **Murray** - Numerous areas
- **Salt Lake City** - In 2010-2012 partnered with SLCO Flood Control on four small bank stabilization / native species planting demonstration projects at locations between 2100 S and 600 S.
- **Salt Lake County Watershed**
- **West Jordan** - Big Bend habitat restoration
- **West Valley** - Tree planting

**b. Establish and enhance existing ponds and wetlands for filtration and incorporate them into stormwater management**

**West Jordan** - Plumb Creek Pond and at the Wetland Sites

**c. Other**



- **FFSL** - Stream bank stabilization grant
- **Salt Lake City** - Bank stabilization efforts have occurred at 900 S and 1800 - 2500 N, as part of two projects in 2014
- **South Jordan** - The City Partnered with FFSL to install “J” hooks to prevent bank erosion. The City also led a river channel relocation project as well as a bank stabilization project both located at approximately 11200 South.
- **US Fish and Wildlife Service** - Big Bend and South Jordan Projects

## 7

## Develop community partnerships and involvement

a. **Acquire or place conservation easements on and protect small, high-value wetlands**

- **FFSL** - Conservation easement with Utah Open Lands on Galena-Soónkahni Preserve and sundial monument. Nearly 250 acre preserve in Draper next to the Jordan River.
- **Millcreek** - Working to acquire property and build a trail
- **Rocky Mountain Power** - easement along property at Rocky Mountain Power's 9000 S substation (Big Bend).
- **South Jordan** - Conservation easements are on City properties including the Anderson Wetland Mitigation site (held by Army Corp of Engineers), Parcel 17 site (held by URMCC) and Galena properties (held by URMCC). Conservation easements are also recorded on the URMCC owned properties as well as the property previously owned by the Great Salt Lake Audubon.
- **URMCC** - Acquisition of properties at 90th South (Big Bend) with the U.S. Fish and Wildlife Service and Sharon Steele and Midvale environmental mitigation sites. 10600 South acquisition with Great Salt Lake Audubon and 12600 South property acquisition with UDOT for wetland mitigation of the I-15 expansion.

b. **Work with federal, state, and local agencies to obtain grant monies to deal with noxious and invasive plants**

- **FFSL** - grants for invasive species removal and restoration
- **DWQ** - Support JRC and JRWC. Local stakeholder groups.

c. **Encourage botanical education opportunities at select sites**

- **Salt Lake City** - Partnered with a variety of organizations to provide volunteer stewardship on Jordan River Parkway (Hartland Community 4 Youth & Family, Rotary Club, nearby elementary & middle schools, etc etc)
- **Salt Lake County Watershed** - Installed a series of interpretive signs at our restoration sites to educate trail users about how WPRP is using natural channel design to repair damaged streambanks and restore natural function to the Jordan River, and also about the importance of healthy riparian areas and functioning floodplains. In addition, we installed a series of "self-serve" photo monitoring stations. We're crowd-sourcing photos by inviting trail users to help us monitor change at the restoration areas. Partners have included: DWQ, FFSL, JRC, Murray City, Draper City.

d. **Demonstrate vegetation management successes**

- **Murray** - 4800 S to 5300 S
- **RiverRestoration** - Riverton, Big Bend
- **West Jordan** - Big Bend

e. **Encourage urban forestry programming and municipal tree management adjacent to Jordan River corridor**

**No data**

f. **Other**

- **Davis** - Our noxious weeds program works with federal state and other local entities to identify noxious weeds issues and collect and distribute biologicals along the Jordan river. A statewide Russian Knapp Weed bug collection area is located near the Jordan River Trail.
- **FFSL** - Jordan River Comprehensive Management Plan process included the creation of a Planning Team comprised of agency resource specialists. The planning process promoted extensive outreach to stakeholders and adjacent landowners
- **Jordan River Commission** - Various volunteer cleanup events. Also was a supporting organization for the Salt Lake City Nature Challenge in 2019. The JRC also provides grant writing and other services for partners to aid in projects along the river.

**f. Other (cont.)**

- **Salt Lake County (Noxious Weeds)** - projects with UFF&SL, SLCo Parks, SLCo Public Works Operations, UDAF ISM, Bonneville CWMA, and JRC on grant projects along the JR mostly near 4800 S
- **Saratoga Springs** - Regular coordination with Jordan River Commission and FFSL
- University of Utah - Urban Ranger program
- **US Fish and Wildlife Service** - Many partners
- **West Valley City** - Participated in Bike the River event



## **Part 2: Connecting & Building Community**

## Goals

1

Integrate the Jordan River Trail system into the regional trail system

a. **Work with each city to build east/west trail connections to the Jordan River Parkway**

- **Parley's Trail Connection** - most of this trail is completed, but there is a major gap between 9th west to Jordan river. It would be an expensive project for short area, and would need lots of bridges. Challenging gap to close, but something to look into.
- **Murray/Taylorsville** - 4500 S pedestrian bridge built between 2016-2017. Helped encourage Murray to join the Jordan River Commission.
- **Rocky Mountain Power** - North Temple Bridge
- **Salt Lake County** - instrumental in completing the Parley's Trail and connecting it to the Jordan River Currently updating the Regional Trails Master Plan to include many East-West regional Trail connections including: Utah & Salt Lake Canal Trail, Midtown Trail, North Temple Trail, Dimple Trail, and the Porter Rockwell Trail.
- **South Salt Lake** - section of city-built trail from 2400 S to 3000 S in SSL, advocating for wayfinding system, advocating for "loop trail" - building trail on both sides of the river

b. **Increase regional trail access to the river**

- **Draper** - Per a Development Agreement between Draper City and developers in the Vista Station area, the developer completed a bridge and trail access to the Jordan River Parkway Trail near Galena Creek (Approximately 13000 S.) providing non-motorized access to the Vista Station Development and Front Runner Station.
- **Millcreek** - We are working with Salt Lake County to create a trail along Millcreek's portion of the river. We are still in the very beginning stages of the project.
- **North Salt Lake** - Constructed the Jordan River Trail extension in NSL

- **South Jordan** - The City requires neighborhood and business connections to the trail
- **Salt Lake City** - SLC has led and/or assisted efforts to integrate the JRPT into a regional trail network, including connections to the Parleys Trail, 9Line/Transvalley Trail, Folsom Trail, and North Temple Corridor. The City is also beginning to work to support improved connectivity with local neighborhood byways and loop trails/fitness paths at parks and golf courses along the parkway. SLC Parks and Public Lands is also currently working to build the Backman Elementary Bridge to increase trail access to the school.
- **Taylorsville** - 4700 S bicycle and pedestrian trail to be constructed as part of the Mid-Valley Connector BRT project (currently seeking funding); yet unnamed trail in early stages of development that will eventually connect Valley Regional Park to the Jordan River via 4800 South; investigating a pedestrian connection on 5400 S between 1300 W and JRP; approved for a TLC grant from WFRC to complete a comprehensive AT plan in the City that will connect internal trails and open spaces to regional trails.
- **URMCC** - The Mitigation Commission provided access to allow completing a gap in the trail at 90th S, West Jordan
- **West Jordan** - Have funding and design for two bridges for bikers and pedestrians near Gardner Village at 7800 South . Added a connection to the Trax Station to the trail. Also adding one bike route between Redwood and River at 8600 South. West Jordan Parks, Recreation, Open Space and Trails Master Plan. Also fixed 90th South gap, a project the Jordan River Commission was actively involved with.
- **West Valley** - Cross Town Trail

c. **Incorporate the Jordan River into the regional trail system**

- **Bluffdale** - Jeff Anderson Memorial Park (Parry Farms) trailhead adjacent to JRT
- **FFSL** - Participation in the development of the JR Water Trail Master Plan
- **JVWCD** - Coordinated with Salt Lake County to construct Jordan River Trail along JVWCD pipeline easement

- **Midvale** - The General Plan identifies the JRP as part of the City-wide network. When complete, the Mid-Valley Active Transportation Plan will provide additional direction on how to incorporate the trail into a regional network. All projects within the Bingham Junction area have internal trails that connect with the Jordan River Trail. All these trails also connect with the Bingham Junction Trax Station.

d. **Other**

**FFSL** - Permitting and funding. Provided funding for a number of trail projects including the North Temple Bridge

**Jordan River Commission** - Creation of the My Jordan River website, which shows the main trail, equestrian trails, connector trails, trailheads, and many amenities. The website also hosts trivia information, places to post stories about the river, and has place to submit maintenance issues or problems. A paper map of the Jordan River Parkway was also created in 2012, updated in 2016, and printed in 2017.

- Arrow Trailhead – Equestrian and trail parking
- Spring View Farms Trailhead – Restrooms and trail parking
- General Holms, James Madison, Redwood Trailhead – Restrooms and trail parking
- **South Jordan** - Shields Lane Trailhead (9800 S), East Riverfront Park (10991 S), and Fish Ponds (11200 S)
- **Taylorville** - Rocky Mountain Power trail head (5000 S); Little Confluence Park (4800 S) Millrace Park (5400 S)

b. **Locate parking areas within 330 feet, but not adjacent to, the Jordan River Parkway**

**Draper** - Currently in the process in expanding the existing parking lot and add a parking lot for the proposed boat launch at the Jordan River Rotary Park.

c. **Provide reserved parking for boaters to accommodate boat transport**

**Murray** - Winchester Park, Germania Park

## 2

### Provide balanced parking solutions

a. **Incorporate additional small parking lots**

- **Bluffdale** - parking for walkers and cyclists
- **Midvale** - we are looking an improving our existing parking at 7800 s, and have proposed a small trailhead without parking along 700 w near 8500 s as part of a new housing project that will connect with the trail. The class A office space from 7200 s to approximately 7500 s all have a huge parking lots along the trail.
- **North Salt Lake** - Constructed parking lot at Porter's Landing
- **Rocky Mountain Power** - Access parking lot at 9000 S
- **Salt Lake City** - SLC has created / helped facilitate several small dedicated trailhead parking areas near the JRPT (1300 South, Fremont Ave, North Temple, 1800 North, several others.)
- **Salt Lake County** - developed many trailheads along the Jordan River Corridor. These trailheads include parking for trail users, water users and equestrian users.
- Jordan Narrows Trailhead – Restrooms, trail and equestrian parking

## 3

### Increase safety for users of the Jordan River corridor

a. **Institute neighborhood watch programs**

**Murray**  
**South Salt Lake**

b. **Provide “Neighborhood Watch” signage**

**Murray**

c. **Provide above or below grade roadway crossings**

**South Jordan City** - Partnered with UDOT on vehicle and pedestrian bridges at 11400 South. The South Jordan section of the trail also includes well-maintained below grade road crossings at 9800 South, 10400 South, and 11400 South.

d. **Other**

- **Bluffdale** - No projects listed
- **DWQ** - Support Wasatch Front Ranger Program with the U of U
- **North Salt Lake** - Lighting Under 2-15 overpass

- **South Salt Lake** - Coordination with Homeless Resource Center
- **FFSL** - JR improvement funding - setting up partnerships with local police to increase police presence and enforcement on the Jordan River parkway. QR code created to report suspicious activity. Urban ranger program, regular patrols on river, invasive species removal for displaced communities, funding clean-ups of river communities.
- **Millcreek** - Trying to create a trail to help clean up the illegal activity along the JRP. Our team has worked with UPD when they cleaned out a homeless camp just last year.
- **Murray** - Police patrols
- **Salt Lake City** - 2017-2019: the Trails & Natural Lands Division funded overtime patrols by SLCPD and Unified Police Officers along the JRPT. In 2019, SLC installed emergency locator signage along the city's stretch of the JRPT, with locator codes integrated into the 911 response system.
- **Salt Lake County** - The County has installed several pedestrian activated crossing signals along the trail and has included wayfinding signage along the entire corridor.
- **Salt Lake County Watershed** - Our Jordan River Channel Repair at Winchester Park (6400 S) eliminated one of the most hazardous navigational barriers in the entire Jordan River corridor. In 2015, the SLCo Watershed Program constructed a stable channel that safely conveys watercraft at any flow, sustains major flood flows, improves fish and bird habitat, and improves the diversity of the native riparian plant communities. Partners: Murray City, FFSL.
- **Taylorsville** - Police patrols
- **West Jordan** - Police patrols, danger signs near drowning areas
- **West Valley City** - Police patrols

## 4

Design automobile bridges crossing the river to be in harmony with the river corridor

a. **Improve roadway bridges to include safe pedestrian and bicycle crossing areas**

- **FFSL** - Permit new bridges that cross the river. Permits require site plans. Plans must comply with the Jordan River Comprehensive Management Plan

- **Salt Lake City** - Improved several vehicle bridge crossings of the Jordan River
- **Salt Lake County** - Participated in the design of the Porter Rockwell Blvd. bridge to ensure the Porter Rockwell Trail connects to the Jordan River Trail
- **South Jordan** - The City built the vehicle bridge at 9800 South, which accommodates bike lanes.
- **Taylorsville** - In the past the City has investigated crossing the river to provide a second access to Sorenson Research Park at 4170 South. The proposal doesn't appear to have much support.

b. **Improve bridges to be more aesthetically pleasing**

- **Salt Lake City** - incorporated community artwork into the Indiana St. Bridge and stamping street names into the upstream side of several bridges so these would be visible to paddlers.
- **Salt Lake County** - design of the Porter Rockwell Blvd. bridge

c. **Require new construction of bridge pilings at a spacing of 25 feet to allow passage of rowing shells**

No data

## 5

Increase the use of transit trips to the river

a. **Enhance transit facilities within the river corridor**

- **Midvale** - A publicly accessible route has been provided from the Bingham Junction TRAX station to the river.
- **Salt Lake County** - During development of the wayfinding signage for the Jordan River Trail, Salt Lake County coordinated with UTA for installation of signs at applicable transit (Trax Line) stops so as to direct transit users to the Jordan River Corridor.
- **Taylorsville** - 4700 South complete street to be constructed as part of the Mid-Valley Connector Bus Rapid Transit
- **South Jordan** - Partnered with Sandy City to study a circulator bus between the Sandy Trax station, Sandy Civic Center, South Jordan FrontRunner Station, and the Riverpark Corporate Center. The cities are currently seeking funding to take this study to the next step.

- **South Jordan (cont.)** - If successful, it would provide convenient and direct transit access to the river and trail. In the meantime, the City maintains a safe pedestrian sidewalk between the FrontRunner Station and the river.
- **South Salt Lake** - 3300 S Bus Rapid Transit. Also completing a Strategic Mobility Plan and have many recommendations for improving transit and trail access
- **UTA** - Green line to West Walley, red line to Daybreak. Added connectivity to the trax, with 4-5 stations crossing the river
- **West Jordan** - Trax station connection at Gardner Village to trail

b. **Incorporate river-friendly amenities into stops that are near the river**

No data

c. **Work with the Utah Transit Authority (UTA) to increase the marketing for river recreation trips**

No data

d. **Promote non-auto commutes by using the trail system and UTA to increase bike and transit mode split**

- **Murray** - install bicycle lanes and sidewalks along roadways connecting to parkway
- **Salt Lake City** - SLC has supposed countywide efforts to include the JRPT in regional commuter trail maps, and installation of wayfinding signage along the JRPT

e. **Develop recreational transit routes with river themes**

No data

6

Improve river crossings to be more river friendly

a. **Allow for adequate bicycle and pedestrian crossings**

- **FFSL** - Worked to identify and remove or mitigate crossings that impede navigation. A list can be provided upon request.
- **Murray** - Pedestrian bridge crossings installed
- **Rocky Mountain Power** - North Temple Bridge

- **Salt Lake City** - Upgraded several bike/pedestrian bridge crossings for AASHTO trail width compliance, and has worked on several new pedestrian bridge crossings including 1800 North, Indiana Ave, and a project in-process between 500 N and 700 N near Backman Elementary.
- **South Jordan** - See answer for goal 5
- **West Jordan** - New crossings at 7800 South
- **West Valley City** - Suspension bridge by Cultural Celebration Center

b. **Require that bridges are wildlife compatible**

**Salt Lake County** - Bridge crossings that the County has installed are pedestrian and wildlife compatible.

c. **Identify river crossings with improved signage**

- **Murray** - increased signage
- **Salt Lake County** - The County has implemented the wayfinding signage package for the Jordan River Trail, which includes signage at bridge crossings

d. **Other**

- **FFSL** - Permitting with best management practices, making sure permitted projects are in good locations, are high enough off the river for boaters, are wide enough when necessary
- **South Salt Lake** - Outlining these in a new Strategic Mobility Plan

7

Improve bicycle access on routes that lead to river access points

- **Bluffdale** - Trailhead at Jeff Anderson Memorial Park. New park near Rose Creek Corridor. Subdivisions in Spring View Farms and Sage Estates provide additional active transportation connections
- **Draper** - Per a Development Agreement between Draper City and developers in the Vista Station area, the developer completed a bridge and trail access to the Jordan River Parkway Trail near Galena Creek (Approximately 13000 S.) providing non-motorized access to the Vista Station Development and Front Runner Station

- **FFSL** - Permitting projects for bike users. Provided funding for the completion of the railroad bridge near North Temple allowing for safe bicycle travel over the train tracks
- **JVWCD** - For JVWCD employees
- **Midvale** - Bingham Junction Boulevard has bike lanes with future connections to JRP required
- **Murray** - Asphalt trails and striping
- **North Salt Lake** - Constructed JRT extension that connects to boat takeout
- **Salt Lake City** - SLC regularly funds asphalt repairs and maintenance, conducts lane striping, maintains signage, and other efforts to support and improve bicycle access. The Trails & Natural Lands Division also conducts puncturevine control operations annually
- **Salt Lake County** - Worked to connect East/West regional trail to the Jordan River Parkway Trail.
- **South Salt Lake** - Constructing Mill Creek Trail in SSL
- **South Jordan** - There are bicycle maintenance stations along the South Jordan portion of the trail. Additionally, vehicle bridges have or can accommodate bike lanes (Trailheads at 9800 South, Mulligan's Golf and Games, and East Riverfront Parkway)
- **West Jordan** - See goal 6
- **West Valley** - Suspension Bridge, Cross Town Trail

## 8

## Increase the mobility of boats on the river

## a. Design in-river structures to allow boat passage

No direct data

## b. Increase signage to identify boat portage zones

Various projects in other sections mention way finding signage

Provide launching facilities that will allow the launch of any

## c. type of nonmotorized boat and accommodate wheelchair access

- **Draper** - Draper City is currently working with Salt Lake County to develop a boat launch at Rotary Park. Salt Lake County will be responsible for the boat launch, while the city will be responsible for developing the boat launch parking lot.

- **Draper** - Draper City is currently working with Salt Lake County to develop a boat launch at Rotary Park. Salt Lake County will be responsible for the boat launch, while the city will be responsible for developing the boat launch parking lot.
- **Murray** - 6400 South improvements with Salt Lake County, boat launches
- **North Salt Lake** - Constructed a boat takeout at Porter's Landing
- **Salt Lake City** - SLC has funded and is currently constructing three new boat access ramps on the JR, and is conducting maintenance on a 4th location. Small access structures have been created in several additional locations. (Major access locations are at 1700 South, Fisher Mansion, Gadsby (North Temple) Trailhead, and 1800 North Trailhead.)
- **Salt Lake County** - Salt Lake County is currently working on the Jordan River Water Trail Master Plan. This plan includes recommended locations for boat launches and portages. We are currently developing an implementation plan that includes several fully accessible launch locations that will accommodate users in mobility devices. The County is also installing portages at the Brighton/Northpoint diversion and the diversion structure at 9400 S. Salt Lake County partnered to remove the diversion structure at Winchester Drive, and install a portage around the new structure.

## d. Other

- **FFSL** - Promote and permit new boat ramps, improve canoe chutes, participate in River Trail Plan, fund navigational hazard removal. List provided upon request.
- **Salt Lake County Watershed** - Our Jordan River Channel Repair at Winchester Park (6400 S) eliminated one of the most hazardous navigational barriers in the entire Jordan River corridor. In 2015, the SLCo Watershed Program constructed a stable channel that safely conveys watercraft at any flow, sustains major flood flows, improves fish and bird habitat, and improves the diversity of the native riparian plant communities. Salt Lake County is currently designing navigable channels at the North Jordan Canal Diversion and the Brighton North Point Canal Diversion. Partners: Murray City, Sandy City FFSL.
- **Taylorsville** - Little Confluence Park built by SLCo



9

Enhance the identity of the communities, businesses, and attractions along the river through signage

- a. **Identify unique characteristics of communities through individual themes**

**No data gathered**

- b. **Identify historical sites, landmarks and other places of interest**

**No data gathered**

10

Encourage accessibility to the corridor through signage

- a. **Provide north/south address coordinates to trail users**

**No direct data**

- b. **Identify regional trail connections**

**Directional signage throughout corridor**

- c. **Identify cities and communities with signage**

**Directional signage throughout corridor**

- d. **Work with communities to develop clear signage that is consistent throughout the corridor**

**\*Some current signage varies based on municipality**

- **Bluffdale** - Utilized the wayfinding signs that the county has provided
- **Draper** - Participated in the development of regional signage along corridor
- **FFSL** - Provided grants for consistent signage along the river
- **Salt Lake City** - Supported SLCo in creating and installing wayfinding trailhead kiosks and signage along SLC's section of the JRPT, consistent with a county-wide signage plan for the river trail

- **Salt Lake County** - Salt Lake County recently completed the installation of a comprehensive wayfinding signage package for the entire 45-mile Jordan River Trail corridor. The package included, trailhead kiosks, directional and decision signs, street crossing signs, and local and regional trail connector signs. The wayfinding sign package was developed in cooperation with all jurisdictions along the Jordan River Corridor.
- **South Salt Lake** - Wayfinding project led by the Jordan River Commission
- **West Jordan** - Wayfinding Project

- e. **Other**

- **Murray** - numerous
- **North Salt Lake** - Themed JRT Signage
- **Saratoga Springs** - No specifics listed

## E. Building Community

24

1

Create incentives for development with “river-friendly” design

- a. **Fast-track proposed developments that incorporate environmentally sensitive design**  
**No direct data**  
Provide incentives, such as density bonuses, reduced landscaping requirements, reduced impact and application fees, and reduced setback requirements for the provision of open space
- b. **Utilize performance zoning to achieve clustering and design flexibility**  
**No direct data**
- c. **Encourage the use of permeable surfaces such as porous pavement**  
**No direct data**
- d. **Utilize performance zoning to achieve clustering and design flexibility**  
**No direct data**
- e. **Other**
  - **Department of Water Resources** - Supporting the Jordan River Commission and participating on the Jordan River Technical Advisory Committee
  - **DWQ** - Yes, but not sure on specifics
  - **FFSL** - Development of best management practices promoting river-friendly design in the Jordan River CMP. Required for permitting
  - **South Jordan** - In the past, the City had performance development standards and had developers provide plans to the JR Commission for review and consultation. Although the City no longer has performance development standards, the Blueprint continues to be a resource the City provides to developers when formulating plans along the Jordan River. Additionally, future development or redevelopment along the river would likely require zone changes.

2

Protect natural water systems, such as streams, wetlands, and springs, within urban developments

- a. **Utilize design principles such as daylighting and clustering to avoid the displacement of natural water features**  
**No data**
- b. **Other**
  - **Bluffdale** - we are active in SWPPP and look for LID principles
  - **DWQ** - Supporting projects like the Three Creeks (with Seven Canyons Trust).
  - **Department of Water Resources** - Funding projects through the Board of Water Resources
  - **Draper** - The city has looked at new development along the river and required trail access points and trail heads, along with easements protecting wetlands.
  - **FFSL** - Permitting developments with best management practices, preventing certain actions along the river, especially in sensitive areas
  - **Midvale** - See other parts of form
  - **Murray** - Permitting
  - **Salt Lake County** - Within County parks and open space we develop with best practices with regard to wetlands, streams, and wildlife corridors. Also created the Homeless Resource Center with funding through the state.
  - **Seven Canyons Trust & SLC Parks** - uncovered 200 ft of stream at Three Creeks Confluence. \$3 million was secured for construction, including, a new bridge, park amenities, and new river channel.
  - **Sandy** - Floodplain and sensitive overlay ordinances



- **South Jordan** - Most property adjacent to the river is already protected by conservation easements or is held by the City, who carefully manages its uses near the river and works to stabilize river banks and to protect water quality, wetlands, vegetation and other natural features. Any property that could be developed with a zone change would need to agree to develop in a way that is sensitive to the river habitat.
- **Taylorsville** - Storm water management program; low impact design (LID) practices under development
- **URMCC** - Development of water shares on Willow Creek, a tributary to the Jordan River

## 3

## Design and locate buildings to limit visual impact

## a. Obscure buildings with native vegetation

**South Jordan** - See prior answers in this section. Additionally, the City required a recently constructed apartment east of the river to plant vegetation on a retaining wall that ended up being more visually impactful than originally designed. The City required this same developer to restore vegetation along the retaining wall.

## b. Cluster development away from the river

- **Midvale** - Bingham Junction Master Development Agreement required an approximate 150 foot open space buffer along the Jordan River
- **Murray** - zoning

## c. Other

- **Salt Lake County** - Within County Parks and open space along the river we work to design buildings that fit within the natural area
- **West Jordan** - not specified

## 4

## Work with existing communities to reduce the impact of developments on the ecosystem

- a. **Institute a native tree planting campaign to expand canopy and provide river habitat**

- **Midvale** - The landscape installed across the Bingham junction and Jordan Bluffs site are native, drought tolerant species. The area is highlighted as a best practice example by the Jordan Valley water conservancy.
- **Murray** - Tree plantings and landscaping
- **Salt Lake County** - The county has worked with many organizations to facilitate tree plantings and river clean ups.

## b. Target improvements during expansion and or redevelopment

- **South Salt Lake** - working on new Jordan River Neighborhood master plan; permitted the Riverfront Development, with specific requirements for protection of open space and trail connections

## c. Other

- **DWQ** - Support studies to direct such endeavors
- **Department of Water Resources** - Supporting water conservation and funding conservation gardens and educational programs
- **Draper** - Weed abatement campaigns
- **West Jordan** - No projects listed

## 5

## Landscaping grant program

## a. Provide landscaping throughout the city if the owner agrees to maintain it

- **JVWCD** - Only as it refers to waterwise landscaping grants available to member agencies and residents in our service area
- **Midvale** - We guide developers to the grant program provided through the Jordan Valley Water Conservation District.
- **Millcreek** - Have a LeRay McAllister grant to acquire properties and create a trail system

## 6

## Establish "good neighbor" standards within overlay zone

**Create a one-page self-evaluation form for neighborhoods**

- a. **along the river to assess issues such as landscaping or automobile maintenance**
  - **No data**
- b. **Educate landowners along the river about best practices pertaining to weeding, trash, dumping, oil changes, etc**
  - **Murray** - SWPPP and permitting
- c. **Other**
  - **Department of Water Resources** - Funded the Jordan Valley Water Conservation Garden Park; supports the Water Conservation Forum
  - **Jordan River Commission** - Published the Best Practice Guidebook for Riverfront Communities in 2013
  - **Salt Lake County Noxious Weeds** - Worked extensively several summers with landowners in the SLC Open space at 4800 S regarding noxious weeds
  - **Salt Lake County Watershed** - In 2015, SLC Watershed published the "Stream Care Guide: A Handbook for Residents of Salt Lake County". It was created to empower all county residents to make better choices in their own backyards to protect water quality, habitat, preserve property values, and prevent flood losses. In May 2015, we mailed a printed copy of the guide to over 4,100 residential households along streams in Salt Lake County, including (of course) the Jordan River. The guide is free and currently available in hard copy or online at our website. Partners: DWQ.
  - **Saratoga Springs** - No specifics listed
  - **West Jordan** - No specifics listed

## 7

**Maintain housing available to a variety of incomes**

- a. **Promote inclusionary housing using density bonuses, a tool used to create affordable housing**
  - **No data**
- b. **Other**

- **Midvale** - Along the Jordan river, there is a large residential population within the Bingham Junction Project Area with market rate housing and 25%-60% AMI units available. Jordan Bluffs is permitted to build 2,500 housing units, all these units will have direct trail access to the Jordan River.
- **Murray** - Zoning
- **North Salt Lake** - Moderate income housing plan and goals
- **South Jordan** - Permitted many housing types along the river, especially the east side of the river. Most recently, the City approved new housing next to the river corridor, including additional phases of the Jordan Station Apartments near the South Jordan FrontRunner station, an additional phase of the South Ridge Townhomes, and a new single-family neighborhood called Park Place with a road network that connects existing neighborhoods more directly to the parkway.
- **South Salt Lake** - Required Affordable Housing plan by state law
- **Taylorsville** - Commercial Center Master Planning and Revitalization Study looks at future land use transitions along 4700 Sotuh
- **West Jordan** - No specifics listed

## 8

**Bolster the surrounding neighborhoods and promote the river as a natural asset**

- a. **Explore better use of the State Fairgrounds in conjunction with the river**
  - **No data**
- b. **Other**
  - **Bluffdale** - integrated trails and trailheads near the parkway
  - **Draper** - New developments are required to have trail access points to the Jordan river trail.
  - **Elliot Mott** - Have worked to promote the river as a natural asset and community treasure by leading literally hundreds of bike rides on the parkway trail and kayak tours on the water trail —as a way to introduce others to the river corridor.
  - **FFSL** - Met with all cities and counties along the river corridor to encourage their involvement and connection to the river during the CMP development process.

- **Midvale** - All new development along the river requires trail connections
- **Murray** - Nothing specified
- **Sandy** - Through Trails and Active Transportation Master Plans
- **South Jordan** - The City is currently working on a small area plan that for the river corridor that will be promoted with area businesses and residents and that will become a part of the City's recently adopted general plan. This plan will include actionable goals and policies to improve the area and create a more cohesive river neighborhood.
- **South Salt Lake** - Preparing Jordan River Neighborhood Master Plan; supported the On the River's Edge competition
- **Taylorsville** - Vacant area near 4300 South
- **West Jordan** - No specifics listed

9

## Acquire land for environmental stewardship with public-private partnerships

### a. Identify key partners

#### Many partners identified throughout Inventory

- **URMCC** - Land acquisition with partners, identified elsewhere in this form

### b. Promote stewardship efforts through corporate sponsorships

#### Multiple not specified in this Inventory

### c. Other

- **Bluffdale** - open space through developments - dedicated or preserved
- **Draper** - Jordan River Commission board. Coordinate on weed management with Parks Department.
- **DWQ** - Supported Utah Open Lands on their easements.
- **FFSL** - The Division owns Galena and Utah Open Lands holds the conservation easement
- **Millcreek** - Working on acquiring property
- **Murray** - No specifics listed
- **Sandy** - Purchased Golf to prevent development and allowed trail connections to the surrounding neighborhoods
- **South Jordan** - Much of the land adjacent to the river has conservation easements on the land, including City property.

10

## Commercial uses within the corridor should be clustered into river centers to reduce impact on the natural environment and create synergistic commercial benefits

### a. Brand and clearly define river centers and include appropriate retail types

#### No data

### b. Promote recreation-oriented businesses, which cater to uses such as: biking, jogging, hiking, wildlife viewing, non-motor boating, rollerskating, and horseback riding

**Wasatch Rowing Foundation** - RiverSports Center, Redwood Trailhead Park, 2100 S

### c. Promote dining, lodging, and other “supporting” businesses

**West Jordan** - Gardner Village

### d. Incorporate into river centers mixed-use development concepts

**South Jordan** - The RiverPark Corporate Center and the develops on east of the river in the same area include all varieties of uses including educational, office, lodging, recreational, residential, restaurants and retail. These uses are generally buffered from the river by wetlands or other open space and provide good access to the trail. The City is currently beginning a small area plan for the river corridor that will become a part of the City's recently adopted general plan. This plan will explore ways to better highlight and protect the river, and ideas for appropriate integration of existing uses with the river.

### e. Other

**West Jordan** - Gardner Village Transit Oriented Development (DOT) area is more pedestrian friendly.

# F. Recreation and Tourism

28

## Goals

1

Promote the river as a regional quality-of-life amenity and recreational destination

**a. Develop water trails for canoeing, kayaking and rowing**

- **Davis County** - River floats, funding for clean ups and funding for docks
- **Draper** - The city plans to expand parking and develop boat launch parking at Rotary Park
- **Salt Lake City** - SLC is currently working with the National Park Service and multiple partner entities to develop a "paddle share" program and encourage use of SLC's section of Jordan River as a canoe/kayak water trail.

**b. Complete surface trails lake to lake for walking, jogging, skating, and bicycling**

- **Davis** - Funding for trails
- **Draper** - Promotes the Jordan River Parkway for recreation with the recently completed and planned trail connections to the corridor
- **Millcreek** - planning on building a trail
- **Murray** - Trail maintenance
- **Sandy** - Work on Jordan River Trail
- **South Jordan** - Trail connections
- **West Jordan** - Trail connections

**c. Include soft equestrian surface trails**

- **Murray** - 5300 S
- **South Jordan** - Shields Lane Trailhead

**d. Coordinate bicycle, walking and running events**

- **Davis County** - Get to the Rivers, clean-up projects, Bike the River event
- **Elliot Mott** - Organized and led literally hundreds of open-call bike rides on the parkway trail and kayak trips on the water trail

- to promote the river corridor as a place to escape the cityscape and find nature, to expand upon its vital role in flood control as an open space preserve offering solitude, wildlife habitat, nature classroom and venue offering a variety of natural-resource-based recreational opportunities.
- **Get in the River Festival** - Annual event that began in 2015. Started as a two-day event focusing on a day of conservation and a day of festivities. In 2017, the event expanded and was moved to September.
- **Get to the River Festival** - Name change in 2018. Partners: NSL, Bluffdale, Riverton, Millcreek, Murray, Outdoor Afro, SSL, WVC, Biking with the Blind, Saratoga Springs, JRC, City Library, Salt Lake County, South Jordan, Sandy, Hogle Zoo, Jordan River Commission
- **Golden Spoke** - Annual biking event started in 2018, in celebration of the completion of the trail. The Golden Spoke route includes over 100 miles of paved trails, encompassing the Jordan River Parkway trail. Partners include: Jordan River Commission, UDOT, Wasatch Front Community Council, Salt Lake County, Utah County, Davis County, and Mountainland Association of Governments
- **Range to River Relay** - Seven Canyon's Trust event to bike, boat, and run from the Wasatch to the Jordan River. Supported by the Jordan River Commission.
- **Riverton** - Dinner on the bridge
- **Wasatch Rowing** - Have had rowing regattas on the Jordan River

**e. Promote lake-to-lake boat trips with associated launch facilities**

**Some areas still have required take-out areas due to hazards**

**f. Create urban fisheries**

- **Murray**
- **Sandy**
- **South Jordan**

**g. Develop and maintain family picnic areas and playgrounds**

- **Midvale** - Connecting new development and park space in Bingham Junction and Jordan Bluffs to the river corridor
- **Murray** - Parks and playgrounds
- **South Jordan** - Parks and playgrounds

#### h. Develop kayak and canoe courses

**No data**

#### i. Develop the Surplus Canal as a rowing area

**Waterford School** - Crew team (Surplus Canal, 33rd south)

#### j. Consider a slalom course with hydraulic features and timing gates

**No data**

#### k. Other

- **Bluffdale** - Jordan River in economic development profile and city promotional video highlighting quality of life
- **FFSL** - Grant program in conjunction with the JRC
- **Jordan River Commission** - Legislative appropriation to designate the Jordan River Recreation Area for the entire JR Parkway.
- **Hogle Zoo** - volunteer cleanups, restoration work, and river floats with JRC
- **Murray** - Kennecott Nature Center

## 2

Provide natural areas and waterways that endure, captivate and lead to healthy lifestyles

#### a. Enhance existing recreational opportunities

- **Bluffdale** - Trails
- **North Salt Lake** - Porter landing in North Salt Lake and trail along river
- **Waterford School** - Crew Team (Surplus Canal)
- **West Valley City** - Working with SLCo to plan Pioneer Crossing Park

#### b. Promote biological diversity by establishing many native plant species

- **DWQ** - Supported local NPS projects that included plantings
- **FFSL** - Jordan River grant program for recreation projects, invasive species mitigation and recreation, bank stabilization funding. Plantings at the Galena site, participated and funded native tree plantings and invasive species removal along the entire river
- **Salt Lake City** - SLC has led efforts to enhance native plant species in many natural areas along the Jordan River
- **Salt Lake County** - Redwood Nature Area: Natural Tree plantings, outdoor classroom set up, invasive species removal.
- Little Confluence Park: Reestablished native meadow, planted irrigated test plots of native vegetation.
- Meadowbrook Nature Area: Natural Tree plantings, natural vegetation planting, invasive species removal
- Riverbend Nature Area: Natural Tree plantings, natural vegetation planting, invasive species removal
- The County has over 100 acres of property along the Jordan River where we do streambank restoration, weed management, native planting.
- **Salt Lake County Watershed** - Stream restoration projects on the Jordan River include stabilizing eroding streambanks, rebuilding floodplains to sustain major flood flows, invasive weed control, and replanting with native trees, shrubs, grasses and wildflowers to improve the diversity of native riparian plant communities. We're using natural channel design techniques to return the river to a more self-sustaining form. This protects water quality and creates/improves habitat for all wildlife, in and along the river.
- **Sandy** - Plantings along the river in 2000 and maintenance
- **West Jordan** - Big Bend restoration

#### c. Other

- **Davis** - We manage trees and weeds along the trail keeping it open and enjoyable
- **Salt Lake City** - Installed extensive interpretive signage, and helped SLCo install wayfinding signage.

- **Salt Lake County Watershed** - Engaging trail users with a series of interpretive and “interactive” signs. In 2017, we installed a interpretive signs at our restoration sites to educate trail users about how we used natural channel design to repair damaged streambanks and restore natural function to the Jordan River, and also about the importance of healthy riparian areas and functioning floodplains. We also installed a series of "self-serve" photo monitoring stations that invite trail users to help us monitor change at the restoration areas. We're crowdsourcing photos to monitor change over time. Partners included: DWQ, FFSL, JRC, Murray City, Draper City.
- **South Jordan** - Mystic Springs Educational Area, multiple conservation and mitigation sites
- **URMCC** - Land acquisition and easements in Draper/Riverton and West Jordan that are accessible by the public (90th South (Big Bend) and 12600 South Draper/Riverton)

## 3

## Identify unique and outstanding characteristics of the river

## a. Promote the corridor as an urban bird watching area

**Rocky Mountain Power** - Education signs about birds. Installed nest platforms for Herons and Ospreys.

## b. Educate the public about the Jordan River's role as a major western migratory bird flyway

- **South Jordan** - Mystic Springs Educational Area in development
- **Murray** - Kennecott Nature Center

## c. Designate and develop wildflower centers along the corridor

**Data not available through form**

## d. Other

- **Davis County** - Signage
- **DWQ** - Supported local NPS projects that included plantings
- **Elliot Mott** - Regularly lead kayak tours into the Nature Preserve (except during the nesting season) across the four-seasons
- **FFSL** - Identified characteristics in the Division's JR Comprehensive Management Plan.

## 4

## Place profiles of the Jordan River with relevant media outlets

## a. Promote the corridor on appropriate websites

- **Davis County** - Social media
- **Millcreek** - Social media
- **Murray** - Promoted on city website and social media
- **Salt Lake City** - Social media
- **Salt Lake County** - County website
- **South Jordan** - City website

**Inform active and environmentally conscious travelers of the**

## b. corridor via travel guides such as Lonely Planet Guide or Moon Handbooks

**No data**

## c. Disseminate Jordan River information via local visitors bureaus

**No data**

## d. Target guided cycling tours

**Golden Spoke** - Partners: UDOT, WFRC, JRC, SLCo, Utah County, MAG, UTA

## e. Create a DVD to distribute through State and community organizations

**No data**



- f. **Develop a comprehensive website with events, volunteer opportunities, and maps of facilities**

**Jordan River Commission Website, My Jordan River Website**

- g. **Other**

- **Davis County** - Print media
- **Elliot Mott** - Reached out to local newspapers to join water trail adventures
- **Murray** - Brochures
- **Sandy** - Participating in Get to the River, supporting the new Tracy Aviary

## 5

Serve active travelers by developing local businesses

- a. **Identify infrastructure needed to support recreational businesses**

- **Elliot Mott** - As chair of Salt Lake City's PNUT advisory board have recommended Salt Lake City develop services at Fisher Mansion, Three Creeks and at Exchange Club Marina; recommended water trail trailheads be developed to best promote river access across the three county area.
- **Millcreek** - REI serves on our Outdoor Recreation Business Council Committee, and our Business Council has done ribbon cuttings at local outdoor businesses in Millcreek
- **Salt Lake County** - initiated the Ideas Competition which solicited ideas from local firms to encourage sustainable development along the river in the Jordan River Recreation Zone (SR 201 to 4800S)

- b. **Identify leasing contractual requirements**

**No data**

- c. **Provide example business plans**

**Wasatch Rowing** - RiverSports Center, Redwood Trail-head Park, 2100 S

- d. **Other**

- **Davis** - Trail maintenance and river clean-ups
- **FFSL** - Permitting infrastructure with local government and utilities
- **Waterford School** - Wasatch Rowing Foundation

# G. Education and Interpretation Goals

32

1

Support environmental education and stewardship programs by developing necessary infrastructure

- a. **Develop an inter-connected system of interpretive signs and trails**
  - **DWQ**
  - **Jordan River Foundation** - Grant for educational signage
  - **Murray**
  - **Rocky Mountain Power** - Education signs on RMP property about birds
  - **Salt Lake City**
  - **Salt Lake County**
  - **Salt Lake County Watershed** - In 2017, SLC Watershed installed a series of interpretive signs to educate trail users about how we are using natural channel design to repair damaged streambanks and restore natural function to the Jordan River, and also about the importance of healthy riparian areas and functioning floodplains. In addition, we installed a series of "self-serve" photo monitoring stations. We're crowd-sourcing photos by inviting trail users to help us monitor change at the restoration areas. Partners include: Murray City Parks, Draper City Parks, DWQ, FFSL, JRC.
- b. **Create a system of nature centers and environmental education facilities housing educators and naturalists**
  - **FFSL** - Funding nature center with Tracy Aviary
  - **JVWCD** - Conservation Garden Park: Waterwise landscaping classes
  - **Millcreek** - Supported Tracy Aviary's Nature Center
  - **Murray** - Kennecott Nature Center
  - **Tracy Aviary** - Jordan River Nature Center
  - **Salt Lake City** - SLC has funded and is working to create a trailside "engagement center" at the Fisher Mansion property on the JR. Installed demonstration stormwater wetlands at 900 South and 1000 North in SLC.

- **South Jordan** - Mystic Springs Educational Area in development
- **South Salt Lake** - supported approval and funding for Tracy Aviary Jordan River Nature Center

- c. **Develop an educational infrastructure map identifying schools, nature centers, trails, historic properties and their inter-connections**

**\*The Jordan River trail map serves many of these purposes, but it is not specifically designed to show educational infrastructure**  
**No data provided from survey**

- d. **Other**

**DWQ** - Support Local educators

**Division of Water Resources** - Developed water education curriculum for primary education students

**FFSL** - Permitting education projects. Jordan River CMP discusses supporting and promoting education and interpretation  
**Salt Lake City** - SLC has worked with area schools and teachers to help schools within walking distance of the river identify their nearest natural area

**West Jordan** - Established nature trails through wetlands, Big Bend Restoration

2

Integrate river educational topics into the core curriculum for schools at all levels

- a. **Develop a river "focused" environmental education program with the school districts and institutions such as Bend-in-the-River, Clark Planetarium, and Hogle Zoo**
  - **Davis County** - We are part of the Davis County Storm Water Coalition. We teach 4th graders about the water cycle, water pollution and how to better our local waters. We also do an annual water fair that educates kids on wildlife, runoff and bettering their environment
  - **Division of Water Resources** - Develop curriculum regarding water education for primary school students
  - **Murray** - river education taught K-12. Kennecott Nature Center partnership with Murray School District



## b. Other

FFSL - No specifics listed

3

Provide education opportunities and programs focused on the benefits of a healthy river ecosystem

a. **Coordinate with local environmental education organizations to engage in youth restoration service project programs**

- **Division of Water Resources** - Support water fairs and education events
- **Hogle Zoo** - All 2018 and 2019 events with Jordan River Commission. Programing on Zoo grounds focusing on effects of plastics in the river
- **Tracy Aviary** - Regularly engage in environmental education and community science activities along the river
- **Murray** - Service projects

b. **Coordinate with Utah Society for Environmental Education to develop a non-formal educational program based on national guidelines**

No data from Survey

## c. Other

- **DWQ** - Support local educators
- **FFSL** - Take groups of students to Galena for educational opportunities
- **Jordan River Commission** - working on developing an education program
- **Murray** - Education taught K-12
- **Saratoga Springs** - No specifics listed
- **Salt Lake County Watershed** - regularly visited 4th grade classrooms to educate kids about how keeping stormwater clean will have beneficial impacts on our streams and the Jordan River
- **South Salt Lake** - Bike and canoe tours with the mayor; participating in Get to the River

4

Encourage appropriate public art projects along the river corridor that promote and bring attention to the river

a. **Place murals and artwork strategically throughout the corridor contributed by art or neighborhood groups**

- **FFSL** - No specifics listed
- **Tracy Aviary** - Mural project at Jordan River Nature Center
- **Midvale** - Interpretive signage added in 2019
- **Sandy** - Cairns and metal deer
- **Salt Lake City** - SLC has partnered with Hartland Community 4 Youth and Family, Salt Lake County, and local artists to create river-centric murals and "paint-the-pavement" projects along the Jordan River in Glendale, Poplar Grove, and Rose Park in SLC.
- **South Jordan** - Plein Art Contests. Also, the City is currently working on public art projects for the Parkway Trail including a large mural.

5

Establish partnerships between government, community agencies, and particularly, youth-oriented programs relevant to the Jordan River's natural resources

a. **Develop programs through each neighborhood to foster park management skills and volunteer network.**

No data

b. **Institute "urban ranger" programs such as the program developed by the City of South Jordan**

**DWQ, FFSL, & Salt Lake City** - Support and collaborate with urban ranger program at U of U

c. **Inquire with Jordan Valley Water Conservancy District about expanding educational programs**

No survey data - can find out

d. **Other**

**Division of Water Resources** - Support collaboration between governmental agencies; currently working to establish a watershed council where information about planning for the watershed is described and coordinated

**Murray** - Service Projects

**South Salt Lake** - Promoting Tracy Aviary programs at their new center; Storm Water Coalition

**Taylorsville** - Numerous volunteer efforts to clean up the corridor

**URMCC** - Planned project with the Center for Documentary Expression and Art

## 6

Integrate environmental restoration programs into core curriculum

- a. **Offer classes in riparian ecosystem restoration management at both the adult and K-12 levels**

**Murray** - Partnership with Murray School District

# **Jordan River Improvements Survey**

## Improvements since 2008

Topic	Number of responses
Completion of trail	18
Restoration work	12
Improved wayfinding signage	7
Recreation/activity opportunities	7
Increased positive public perception	5
Creation of Jordan River Commission	4
Increased collaboration/cooperation/ communication between agencies/land owners/public	4
Safety improvements (including homeless camp cleanups and river hazards)	4
Idea competition	1
Native American Node	1
North Temple Bridge construction	1

These are the responses from 25 surveys which requested participants to list the three most significant improvements made and three improvements that could be made to the Jordan River. Not every participant completed the entire survey.

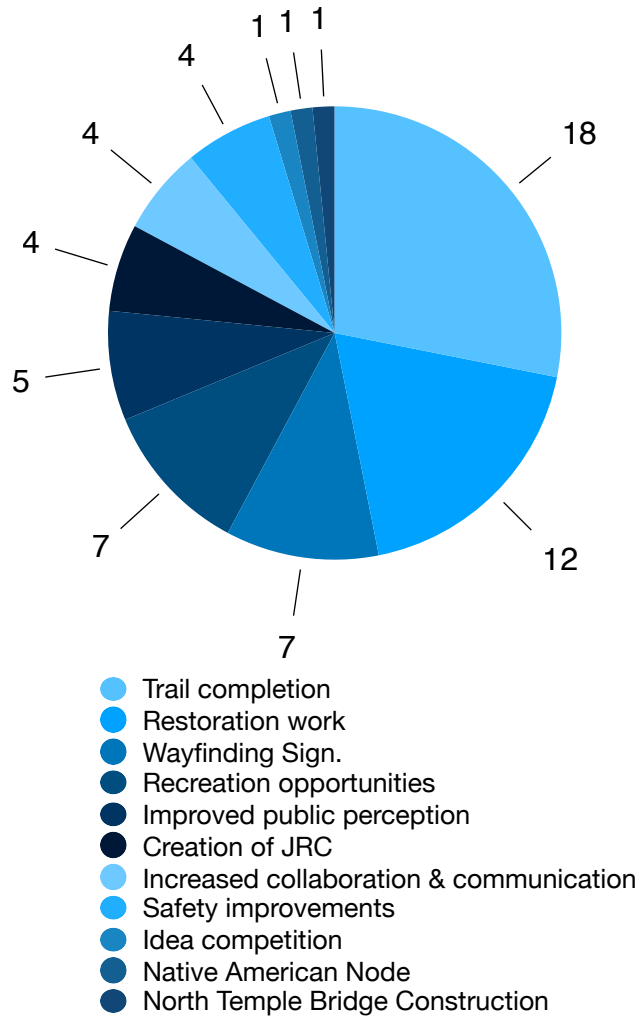
## Things to improve

See specifics on page 35

Topic	Number of responses
Safety	18
Weed management	12
Restoration work	9
Increase recreation opportunities	7
Water quality	7
Improved or increased facilities/ amenities	5
Increase economic opportunities	5
Additional/improved community development	5
Increased/improved wayfinding signage	4
Stormwater management	3
Increased nature education opportunities	2
Land acquisition	2
Too much chlorine used at waste water treatment plant	1
Surplus canal headgate redesign	1

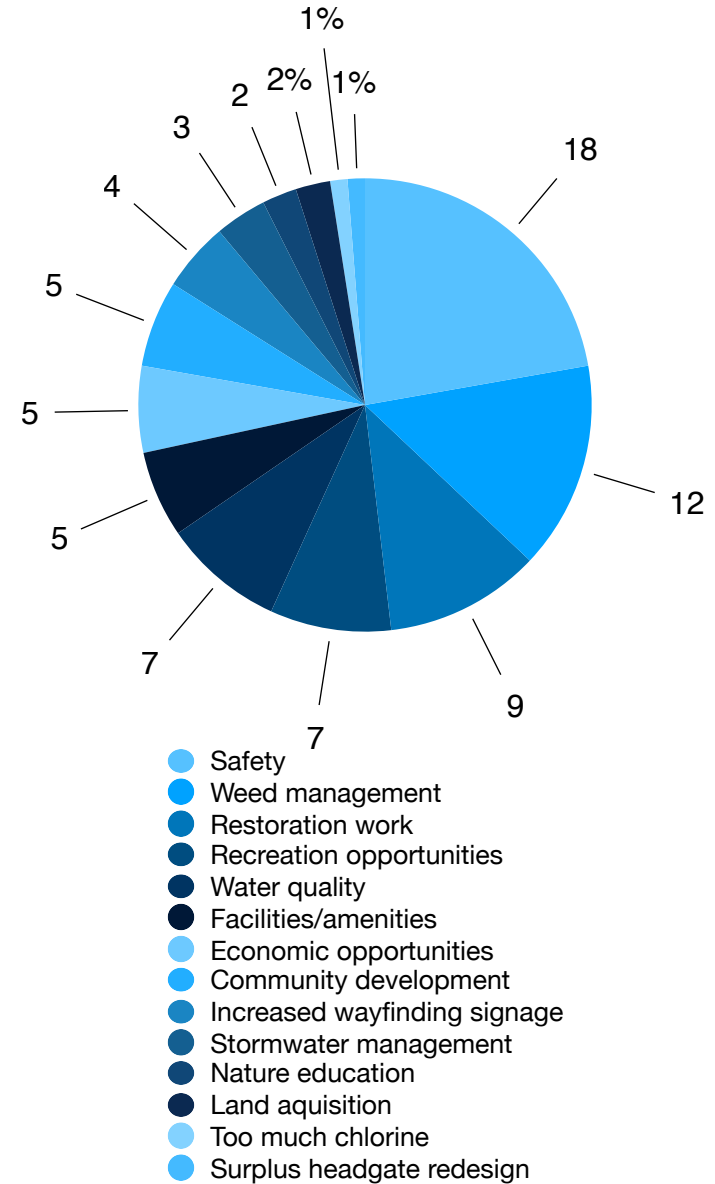
## Jordan River Improvements Chart

### Improvements since 2008



### Things to improve

See specifics on page 35



## Jordan River Improvements Needed

Specifics listed by survey participants	
Safety:	Restoration:
Homeless camps	Trail maintenance/repair
Navigational hazards	Habitat restoration
Eliminate on-road sections of the parkway	Daylighting
Signage	Expand and improve floodplain
Lighting	Continued bank stabilization
Remove dangerous, old structures	Water protection
-Repave areas of trail	
Improve perceptions of safety	Facilities/amenities:
Improve bicycle/pedestrian safety regulations	Places to fix bikes
Snow removal	Places to eat
	Restrooms
Weeds of concern:	Drinking fountains
Phragmites & puncturevine	
	Community development:
Recreation opportunities:	Native American heritage preservation
Boater access/launches & takeouts	Connect Fairpark to Fisher Mansion
	Connect Winchester to Shields
Economic opportunities:	Save Fisher Mansion
Urban interface with river	Incorporate development nodes to spur East/West townships
Greenbike stations	Link East and West sides
Restaurants/food options along the parkway	