CACHE WATER DISTRICT BOARD OF TRUSTEES
MEETING MINUTES
March 1, 2021

The Cache Water District Board of Trustees convened electronically for a regular meeting on March 1, 2021, at 5:30 p.m.

MEMBERS OF THE BOARD IN ATTENDANCE:

Don Baldwin – Agricultural Representative
Scott Clark - Logan #2 Council District
Jared Clawson – At-Large Position
Jonathan Hardman – South Council District
Kirt Lindley – At-Large Position
Max Pierce – North Council District
Bret Randall – Northeast Council District
Brett Roper – At Large Position
Jeannie Simmonds – Logan #1 Council District

MEMBERS OF THE BOARD ABSENT:

Herm Olsen – Logan #3 Council District
Shaun Dustin – Southeast Council District

OTHERS IN ATTENDANCE:

Chris Slater, Jim DeRito, Wayne Wurtsbaugh, Hilary Shughart, Mike Wilson, Chad Brown, Frank Howe, Debbie Zilles

CALL TO ORDER

The meeting was called to order by Chairman Hardman at 5:30 p.m.
Consideration for minutes from February 1, 2021, and agenda for March 1, 2021

ACTION: Motion by Mr. Clawson to approve the agenda and the minutes as submitted with a minor change to the Water Banking section to include the specific canal companies referenced, as suggested by Mr. Clark. Seconded by Ms. Simmonds. The motion was approved unanimously.

PUBLIC COMMENT

None

FINANCIAL REPORT

See **-Attachment 1-**

Budget reports are month-to-month. There were few expenses in January; the February bank statement has not been received yet. $4,600 was listed under the Crockett Study; Mr. Daugs said that can be coded to the Logan River Watershed PL566 project. Ms. Simmonds will change the name of that line item. Ms. Simmonds will be working on a series of reports to file with the state auditor this month.

CALENDAR EVENTS

- Mar 10 – Water Task Force, Mr. Daugs will send out the link. They will be reviewing legislation. Currently, SB 199 has some language regarding secondary metering. It does not pertain to Cache County, only counties of the first and second class.
- Mar 1-5 - RWAU
- Mar 15 – APO Meeting (Cloud Seeding & Snotel Sites and ASR)
- Mar 26-27 – Home & Garden Show (need volunteers to man the booth)
- May 17-19 - Utah Water Users (Nate, Max, Scott, Jon)

The April 5, 2021, Water District meeting will be in-person in County Council Chambers.

MANAGER'S REPORT

Update on PL 566 Applications/Projects

- Logan River Watershed – The project has been extended another month. There will be another public scoping meeting will be held this Thursday, March 4, 2021, at 6:00. The original mailer that went out to the property owners along the canals was not sent to the landowners along the river from the Crockett diversion to First Dam. It will be the same presentation as the previous one, anyone from the public is invited to attend.

- Wellsville-Mendon – Still waiting for the signed contract from NRCS. They have hired a new area engineer, Jonathan Bingham, who will be coming up to meet with Mr. Daugs to get up to speed on things in the area. Chairman Hardman said he would like to be at that meeting.

Water Banking

Mr. Daugs has met with Wellsville-Mendon Canal Company and Hyrum Irrigation about a potential project. This would be an easier project because it would involve fewer entities and would only be water in Hyrum Reservoir. Meetings are continuing with the group from the state and those canal companies. This is a good opportunity to possibly have one of the first water banks in the state.

Cutler Hydroelectric Project Relicensing - Initial Study Report Meeting Update was held February 23. The virtual public meeting was to share information on its Initial Study Report

Chairman Hardman said they went through various reports. What they are requesting in the new permit did not seem to have a significant effect on the overall operation of Cutler Reservoir. The request is for an additional foot and ½ drawdown, with the anticipation that it would only be down to that level for a couple of days, and then it would be allowed to refill. This would be during the winter months. Mr. Daugs said the meeting included an update of the studies they discussed months ago. He encouraged members to access and review the information from the Cutler website.

APO REPORT – MULTI-JURISDICTION SECONDARY WATER & WATER BANKING

These subcommittees met on February 15, 2021. A meeting report was sent out with the agenda. Mr. Daugs said a chairman for each group will have to be determined. Mr. Lindley said there was a discussion on setting up the Crockett project, who would be in charge, and how the money will be collected. His concern was when it comes to that time a new board should be formed. Mr. Daugs said it was a general discussion on how to move forward with the other projects as well, including Wellsville-Mendon. Conversations included how each project would be set up. If Wellsville goes forward that will likely continue to function how it currently is – as a pressurized system. Chairman Hardman asked if any new PL566 projects were coming; Mr. Daugs said there has been some discussion with North Logan-Hyde Park about some potential issues and Wellsville-Mendon could consider a bigger project now that they own the canal.

Chairman Hardman said that the subcommittees that meet on March 15 should choose a chairman for each group who will lead the meetings.

LOGAN RIVER TASK FORCE UPDATE

See **-Attachment 2-**

Frank Howe provided a presentation on the Logan River Task Force.

Ms. Simmonds asked how the Water District can help with the success of the Logan River and anticipate roadblocks, especially potential housing developments which might have an impact, and how best to mitigate any damage those may cause. Mr. Howe said it is important that everyone be aware of what is happening around the valley near, and around, the river. Another important component is coordination and communication. It is important to get the vegetation well established. Chairman Hardman agreed and said he appreciates how critical riparian areas are and that it is critical to protect and avoid some of the potential challenges/impacts that can happen downstream.

Mr. Daugs asked the Board where they feel the Water District's role should be on supporting and/or not supporting projects. Should the District take a position on potential projects. Mr. Randall said the District needs to educate cities and possibly help model a policy or ordinance to help protect water issues. Chairman Hardman said if, as a result of development, there is concern that irrigation company structures might be impacted and could affect their water rights, the District should take a position.

Mr. Clark said the District does have a role to play and should be involved and participate, especially on major stems of the river.

Chairman Hardman said the challenge is that often, things happen so quickly that it could be difficult for the District to get enough information to know how to respond in a timely manner. He said the different focus/APO groups could begin to do some background work.

Ms. Simmonds said it seems wise to partner with the Logan River Task Force to look at the stretch of the river from 1000 West to Cutler and identify any areas of concern and then create some ability, on behalf of the river, to offer some protection. She suggested Working with the state to analyze undeveloped stretches along the river.

Mr. Baldwin asked Mr. Howe, concerning the Willow Lakes Subdivision proposal, about limiting and/or mitigating the absorptive capacity of the floodplain and questioned whether that was due to putting a vacant placement that is non-absorptive or due to not allowing the river to rise and flow over the floodplain, or is it compaction issues created by the weight of structures or hard-surfacing a lot of the ground so it does not have the absorptive surface area or a mixture of things. Mr. Howe said the first three issues are of concern. Mr. Daugs pointed out that there are several studies, including a scour analysis, that still need to be done.

Mr. Clark questioned whether the District has standing since it does not hold water rights. There is a role for the District and river protection should be a priority.

Action Item: Mr. Daugs will draft a response to Logan City regarding the proposed Willow Lakes Subdivision project. This project will be heard on March 11, 2021, at the Logan City Planning Commission meeting.

ADJOURN

The meeting adjourned at 6:57 p.m.

-ATTACHMENT 1-

5:12 PM
03/01/21
Accrual Basis

Cache Water District
Profit & Loss Budget vs. Actual
January 2021

	Jan 21	Budget	% of Budget
Ordinary Income/Expense			
Income			
Cache County Property Taxes	0.00	22,924.00	0.0%
PL-566 Watershed Grant	0.00	83,337.00	0.0%
Total Income	0.00	106,261.00	0.0%
Gross Profit	0.00	106,261.00	0.0%
Expense			
Office			
Insurance and Bonding	0.00	424.00	0.0%
Office Supplies	0.00	125.00	0.0%
Publications	0.00	424.00	0.0%
Rent	0.00	462.00	0.0%
Technology	0.00	250.00	0.0%
Vehicle			
Fuel	0.00	212.00	0.0%
Vehicle - Other	0.00	4,174.00	0.0%
Total Vehicle	0.00	4,386.00	0.0%
Total Office	0.00	6,071.00	0.0%
Outreach			
Conservation	0.00	2,087.00	0.0%
Dues	0.00	212.00	0.0%
Sponsorships	0.00	212.00	0.0%
Training	0.00	500.00	0.0%
Website	0.00	174.00	0.0%
Total Outreach	0.00	3,185.00	0.0%
Personnel			
Salary and benefits	5,456.70	10,712.00	50.9%
Travel and Mileage	332.34	424.00	78.4%
Total Personnel	5,789.04	11,136.00	52.0%
Professional Fees			
Administrative	0.00	125.00	0.0%
Attorney Services	0.00	2,500.00	0.0%
Audit	0.00	587.00	0.0%
Financial Services	0.00	837.00	0.0%
Total Professional Fees	0.00	4,049.00	0.0%
Project funding			
Cloud Seeding	20,450.00	4,174.00	489.9%
Water Acquisition	0.00	3,087.00	0.0%
Water Studies			
Crockett Study	4,600.00	33,337.00	13.8%
Wellsville/Mendon Irrigation	0.00	50,000.00	0.0%
Water Studies - Other	0.00	12,500.00	0.0%
Total Water Studies	4,600.00	95,837.00	4.8%
Total Project funding	25,050.00	103,098.00	24.3%
Total Expense	30,839.04	127,539.00	24.2%
Net Ordinary Income	-30,839.04	-21,278.00	144.9%
Net Income	**-30,839.04**	**-21,278.00**	**144.9%**

-ATTACHMENT 2-

Restoring the Values of the Logan River

Frank P Howe – Chair Logan River Task Force

- The Logan River Task Force
- The Logan River Conservation Action Plan (CAP)
- Logan River Restoration Projects
- Partnership opportunities LTRF and CWD

Logan River Task Force is…

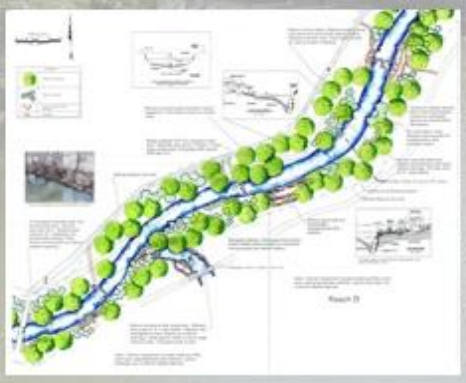
- **Experts in river ecology, river restoration and public service from**
  - **Utah State University**
    - **Watershed Resources, Wildlands Resources, Forestry Extension, Water Lab, Bioregional Planning, iUTAH, Civil and Environmental Engineering**
  - **Logan City**
    - **Public Works, Parks and Recreation**
  - **Cache County**
    - **Public Works, Water Dept, Trails Cache**
  - **State and Federal agencies**
    - **Utah Division of Wildlife Resources, Utah Water Quality, Natural Resources Conservation Service**
  - **Non-profit Organizations**
    - **Bridgerland Audubon, Cache Anglers, Trout Unlimited, Utah Assoc. Conservation Districts, The Nature Conservancy**
  - **Corporations and Private citizens**
    - **Pacificorp, ICON, Interested citizens**

Logan River Task Force Vision

- Make the Logan River system a showcase of ecologically viable, socially beneficial river restoration.

Logan River Task Force Goals

- **Develop a Long-term Plan for Logan River System**
  - **Balances ecological and social values**
  - **Captures what the community wants the river to become**
- **Recommendations to Cities, the County and state and federal agencies on conserving and restoring the river using latest advances in the field (i.e., Design)**



LRTF and BIO-WEST

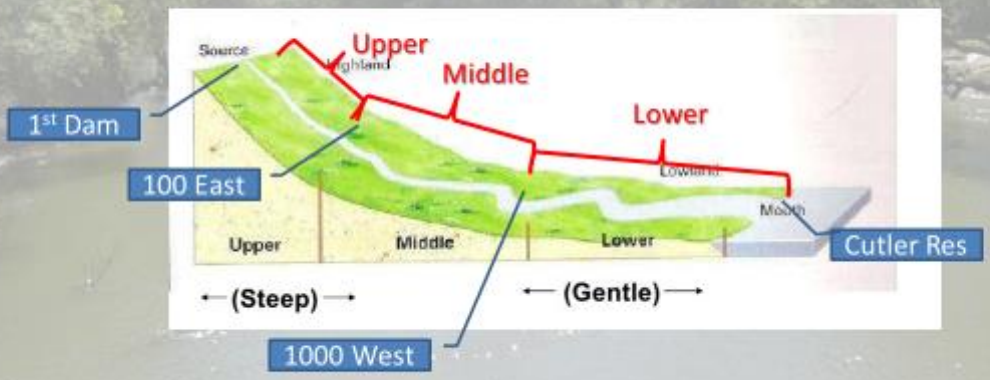
- **BIO-WEST contracted by Logan City**
- **Working closely with LRTF**
  - **Develop the long-term Conservation Action Plan**
  - **Provide project designs to meet CAP desired future conditions**

BIO-WEST

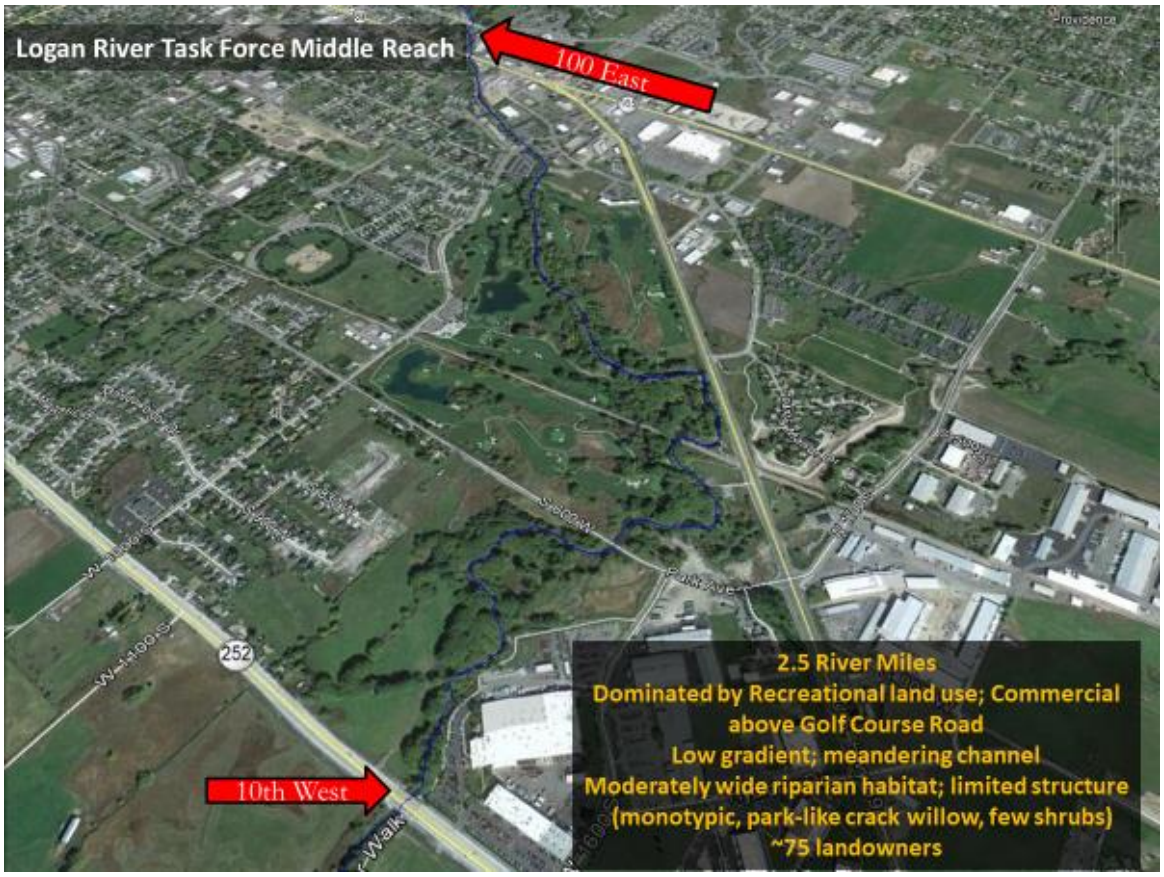
LOGAN CITY UNITED IN SERVICE

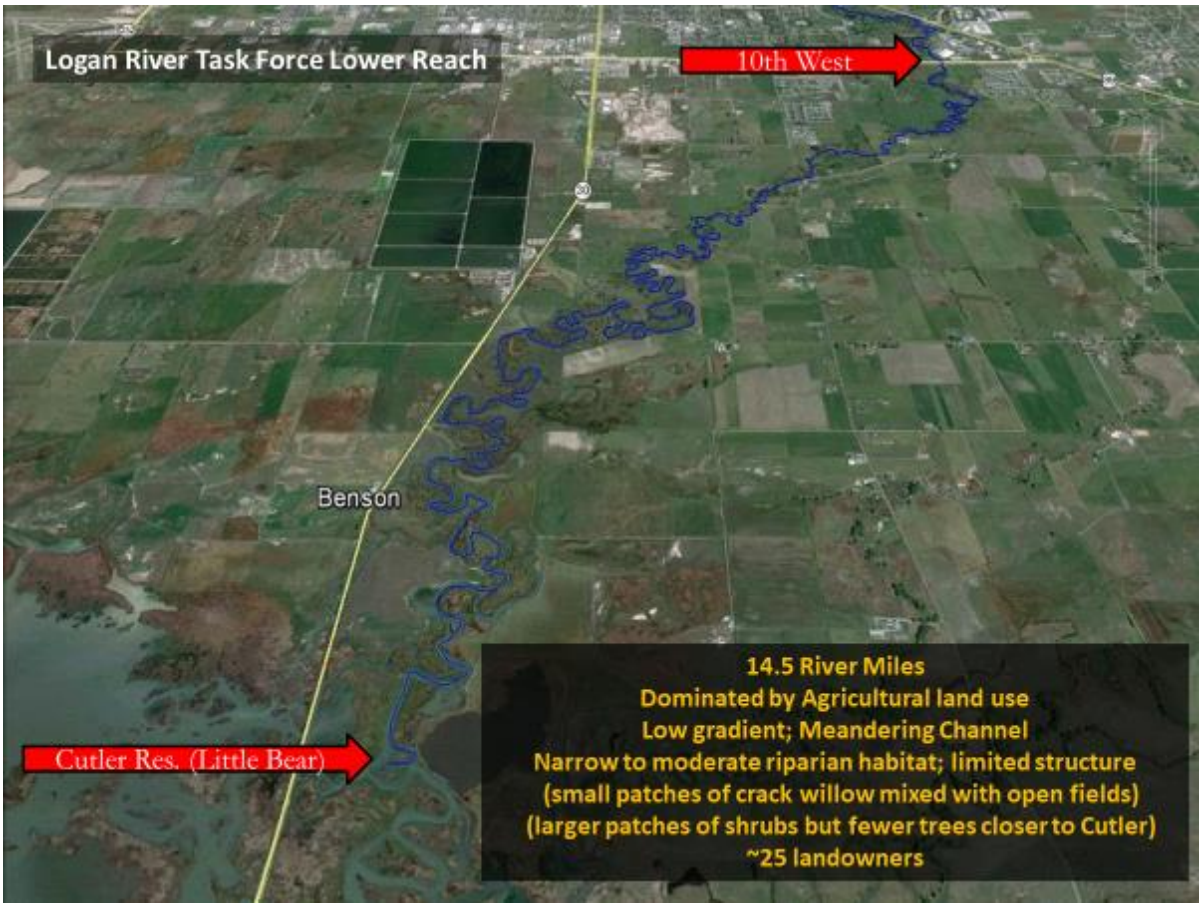
Three reaches

- Based on Hydrology, Geography and Development (Social factor)




Logan River Task Force Upper Reach
1st Dam
Logan
River Heights
3.0 River Miles
Dominated by Residential land use
Moderate gradient; relatively straight channel
Narrow riparian habitat; limited structure
(tall trees but manicured, few shrubs)
~175 landowners
100 East


Logan River Task Force Middle Reach
100 East
2.5 River Miles
Dominated by Recreational land use; Commercial above Golf Course Road
Low gradient; meandering channel
Moderately wide riparian habitat; limited structure
(monotypic, park-like crack willow, few shrubs)
~75 landowners
10th West



Logan River CAP Process

- "Professional Process" - LRTF and Bio-West
- Determined Ecological and Social Indicators within each reach
  - Hydrology, Water Quality, Terrestrial and Aquatic Ecology, Recreation, Property Protection
- Created a Rating System for each Indicator (Poor, Fair, Good, Very Good)
- Determined Current and Desired Future Condition
- Suggested Strategic Actions to get Indicators to Desired Condition

CAP Public Process

- Series of Stakeholder meetings
  - At least one in each reach
- Survey of 258 riverside residents
  - 55% (144) response
- Three Public meetings
  - Ask how peoples' values of the river and their desired future of the river
  - Present design ideas for how to create the future Logan River
- All information from survey, stakeholder and public meetings was considered in CAP and Design

Logan River CAP Indicators

- CAP Indicators (22 including one new since CAP publication)

Ecological

- Spring Peak Flows
- Summer Base Flows
- Flood Conveyance
- Floodplain Function
- Instream Habitat
- Water Quality
- Trout Density & Size
- Benthic Invertebrates
- Riparian Vegetation Condition
- Noxious Weeds
- Bird Species Richness and Diversity
- Amphibians and Reptiles

Social

- Trail Continuity
- Trail Length
- Blue Recreation
- Legal Access To River Bed
- Legal Access To River Bank
- Access facilities
- Fishing success
- Blue Ribbon Fishery (BRF) Status
- Adverse Impacts to Private Property
  - from Public Recreation
  - from River Restoration Actions

CAP Indicators

- Summer Base Flow
  - Currently low flows, warm water temps, low oxygen, disconnected habitats, poor trout fishery

Key Attribute	Indicator	Reach	Current Rating	Desired Rating	Poor	Fair	Good	Very Good
Hydrology	Flow Regime (Summer Base Flow)	Upper	Poor	Good	<10 cubic feet per second	10-30 cfs	30-60 cfs	>60 cfs
		Middle	Poor	Good				
		Lower	Poor	Good				

Look for opportunities to **Provide as much water, in as much of the river, as often as possible**

CAP Indicators

- Flood Conveyance
  - Currently gravel deposition and woody debris impact flood conveyance at >25 year flood event

Key Attribute	Indicator	Reach	Current Rating	Desired Rating	Poor	Fair	Good	Very Good
Hydrology	Flood Conveyance Through Reach	Upper	Fair	Good	<10-yr flood event	>25-yr flood event	>50-yr flood event	>100-yr flood event
		Middle	Fair	Good				
		Lower	Fair	Good				

CAP Indicators

- Water Quality
  - Objective - Maintain high water quality year round

Indicator	Reach	Current Rating	Desired Rating	Trend	Poor	Fair	Good	Very Good
State Water Quality Standards	Upper	Good	Very Good	Static	Standards exceeded more than 50% of time	Standards exceeded 10% - 50% of time	Standards exceeded less than 10% of time	Standards rarely exceeded
	Middle	Good	Very Good	Static				
	Lower	Fair	Good	Static				

CAP Indicators

- Riparian Vegetation Condition
  - Combination of percent of floodplain area that is riparian habitat, vegetation structure, and percent native vegetation.

Indicator	Reach	Current Rating	Desired Rating	Poor	Fair	Good	Very Good
Riparian Vegetation Condition	Upper	Poor	Fair	>66% departure from natural	33-66% departure from natural	10-32% departure from natural	<10% departure from natural
	Middle	Poor	Good				
	Lower	Poor	Good				

CAP Indicators

- Trail Continuity
  - Currently the existing trail system has more than 2 breaks in continuity within each reach of the river
  - NIMBY

Key Attribute	Indicator	Reach	Current Rating	Desired Rating	Poor	Fair	Good	Very Good
Recreation	Trail Continuity	Upper	Poor	Very Good	More that two breaks within reach	Two breaks	One break	No breaks
		Middle	Poor	Very Good				
		Lower	Poor	Very Good				

Logan River Blue Trail Master Plan

A blue trail is a river adopted by communities that are dedicated to improving family friendly recreation such as fishing, boating, hiking, and wildlife watching, and conserving the river and surrounding lands. – American Rivers

Goals

- *Improve and develop river access points and improve recreational opportunities on the Logan River*
- *Create and maintain safe river passage*
- *Promote the Logan River Blue Trail as a community-wide amenity*
- *Foster community involvement through volunteerism and stewardship of the river*

CAP Implementation on the Logan

- Developed over a dozen projects
  - From concept to construction to completion
  - Highlight a few projects

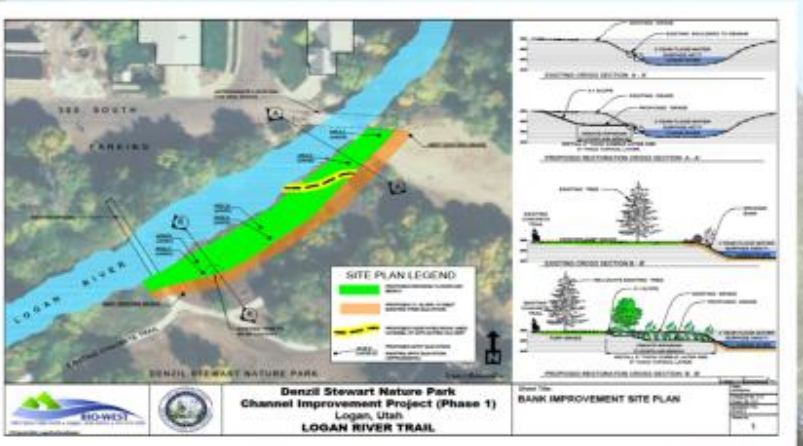
Using CAP to prioritize and assess projects

- Determine how many Indicators each project addresses.
  - Projects that address more Indicators receive a higher priority (e.g., 18 of 22 would be a high priority project)
- CAP can be used to assess success of completed projects in improving Condition of Indicators

Indicator Condition			
Poor	Fair	Good	Very Good

Project/Indicator	Flow Regime (Spring Peak Flows)	Flow Regime (Summer Base Flow)	Flood Conveyance	Floodplain Function	Instream Habitat	State Water Quality Standards	Trout Density & Size	Benthic Invertebrates	Riparian Vegetation Condition	Noxious Weeds	Bird Species	Amphibians and Reptiles	Trail Continuity	Blue Recreation	Legal Access To River Bed (wading)	Legal Access To River Bank (above high-water line)	Recreation Access Facilities	Fishing success/ catch rate
Current Middle	Good	Poor	Fair	Poor	Fair	Good	Poor	Fair	Poor	Poor	Fair	Fair	Poor	Good	Very Good	Poor	Fair	Fair
Rendezvous Park Channel and Floodplain Restoration Project (Middle Golf Cart Path Bridge to Park Avenue) (implementation winter 2017, planted 2018)		Better Habitat at Low Flow [illegible]	Significant Sedimentation Hazard Reduction (description of modeled before/after differences, additional monitoring needs by City???)	Significant Floodplain Restoration (description of modeled before/after differences, additional monitoring needs by City???)	Improved Conditions (need monitoring plan(s) to quantify improvements)	Sediment/ Nutrient Load Reductions (need monitoring plan(s) to quantify improvements)	Improved Instream Habitat (need monitoring plan(s) to quantify improvements)	Improved Instream Habitat (need monitoring plan(s) to quantify improvements)	Significant Improved Riparian Conditions (need monitoring plan(s) to quantify improvements)	Educate and Restore Native Vegetation (need a plan to treat weeds)	Improved Riparian Conditions (need monitoring plan(s) to quantify improvements)	Significant Floodplain Restoration (need monitoring plan(s) to quantify improvements)	Significant Potential to Eliminate Major Break (need update)	Significant Potential for Enhancements (need monitoring plan(s) to quantify improvements)	Already Accessible	Already Accessible	Significant Potential for Better Access (limited parking at Rendezvous currently)	Improved Instream Habitat (need monitoring plan(s) to quantify improvements)

Stewart Nature Park – Residential Demonstration

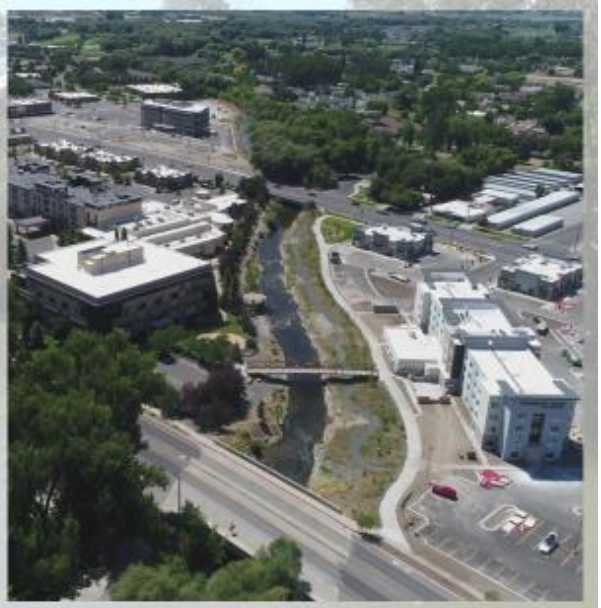


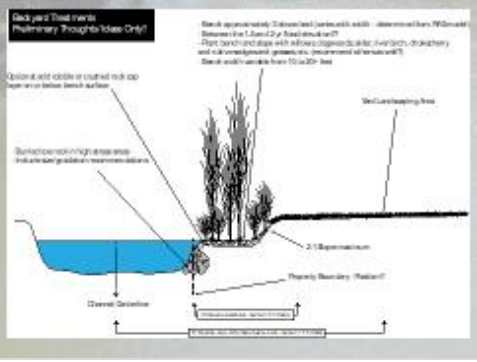
Stewart Construction and Planting

"Finished" Product

- Additional tree/shrub planting this spring

Commercial Demonstration
100 East to Main





Rendezvous Park Restoration

- Two sections: above and below Rendezvous Park
  - Flagship Restoration Project
  - 18 CAP Indicators addressed
  - Construction completed Winter 2017
  - Planting scheduled Spring and Fall 2018

Rendezvous Area Overview

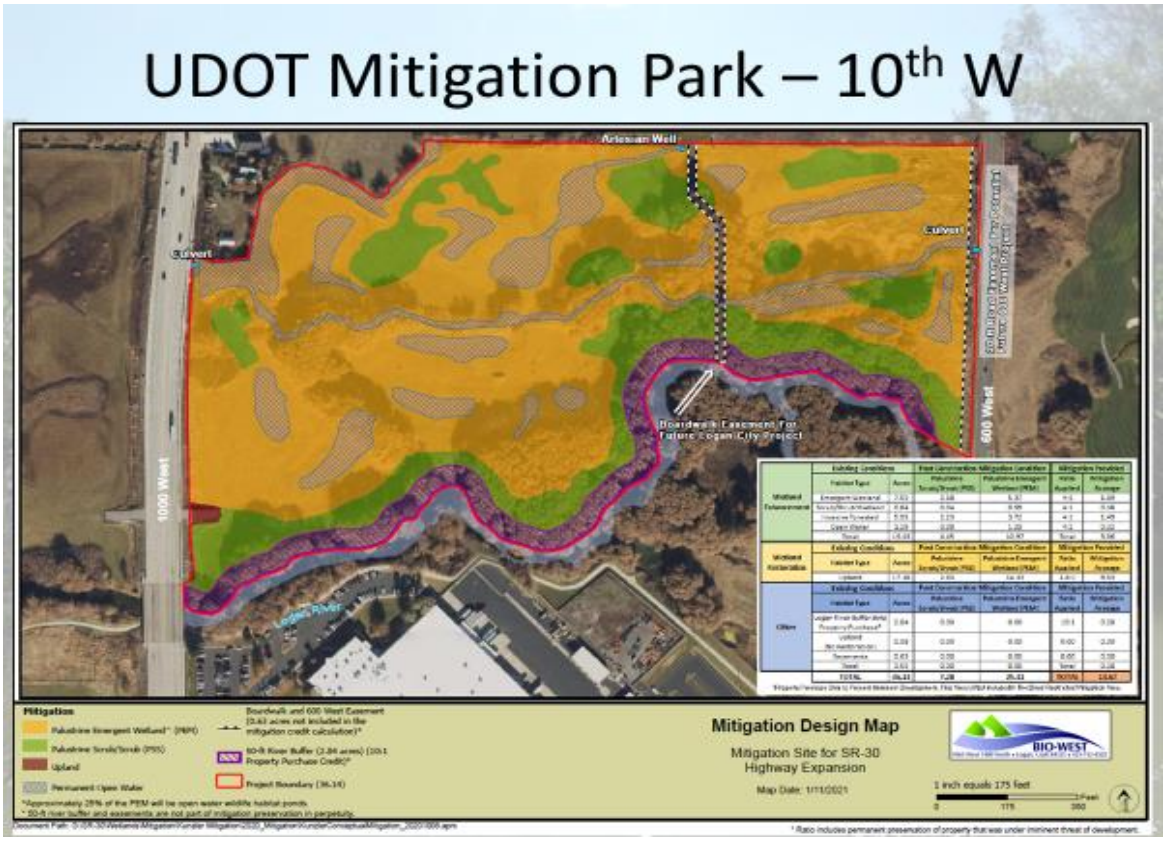
Rendezvous Construction

Removed non-native & planted native vegetation
+ Riparian Vegetation Condition
+ Flood Conveyance
+ Bird Diversity
+ Amphibians and Reptiles
+ River Access
+ Create trails

Constructed pools to capture sediments
+ Flood Conveyance
+ Instream habitat for fish
+ Fishing Success
+ Blue Recreation

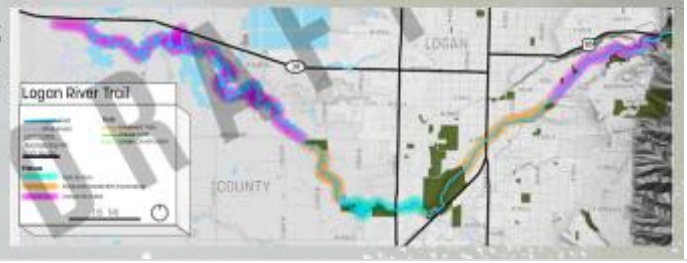
Rendezvous Restoration

UDOT Mitigation Park – 10th W



Logan River Blue Trail features

- Landings – for carry-on watercraft
  - Canoes, kayaks, paddle boards, inner tubes
  - ADA Ramps and access trails to ramps
  - Parking and restrooms
- Safe passage
  - Remove hazards
  - Mark hazards that cannot be removed
- Variety of opportunities
  - Short family outings
  - Day-long excursions

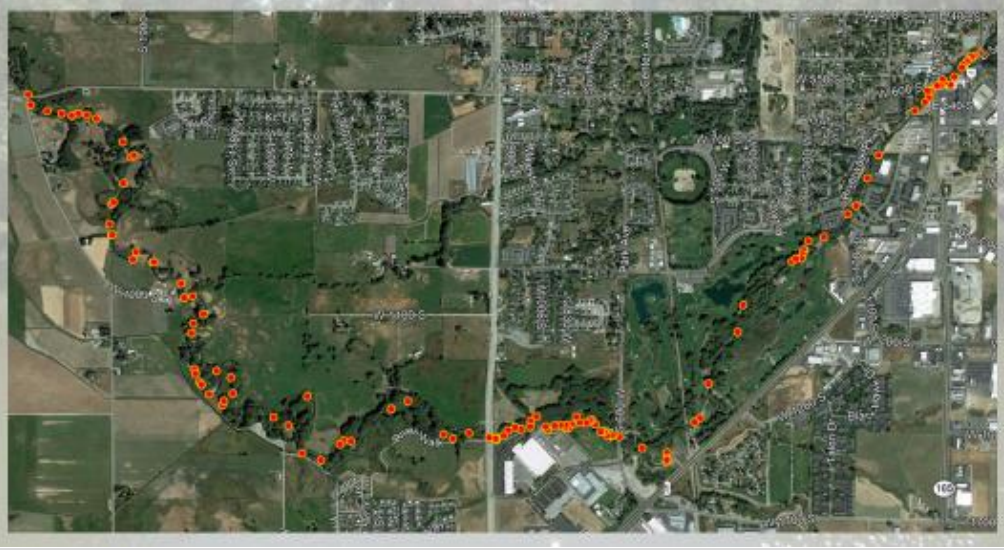


Landings

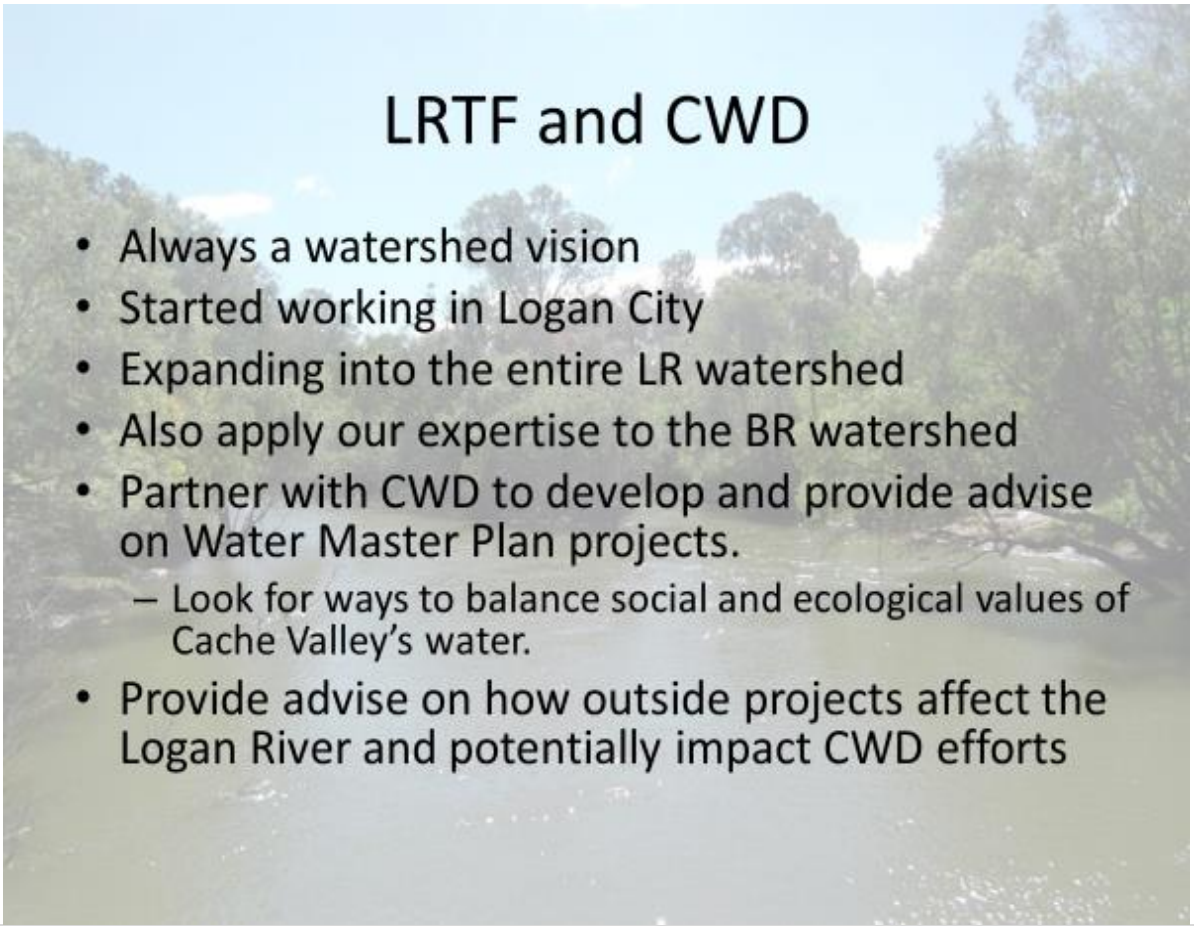
Access Points
This plan identifies 13 unique access sites to provide access to the Logan River Blueway.

These sites range from private property to public parks, undeveloped city property to developed Pacificorp boat launches.

Hazards




Worthwhile Investment
• Over $2M already invested in LR Restoration
• Logan City
• Utah DEQ/DWQ
• State and federal pollution control funds
• Not including UDOT and developers investments
• Also ~ $500,000 towards implementing Blue trail plan and other river-related recreation
– Entirely different funding sources
• Building on success
– Acquisition of partners and funding to implement restoration in all reaches.


LRTF and CWD
• Always a watershed vision
• Started working in Logan City
• Expanding into the entire LR watershed
• Also apply our expertise to the BR watershed
• Partner with CWD to develop and provide advise on Water Master Plan projects.
– Look for ways to balance social and ecological values of Cache Valley's water.
• Provide advise on how outside projects affect the Logan River and potentially impact CWD efforts