

Governor

DEIDRE HENDERSON Lieutenant Governor

Department of **Environmental Quality**

Kimberly D. Shelley Executive Director

DIVISION OF WATER QUALITY Erica Brown Gaddis, PhD Director

Water Quality Board Jennifer Grant, Chair Gregg A. Galecki, Vice Chair Steven K. Earley Brandon Gordon Michael D. Luers **Emily Niehaus** Kimberly D. Shelley Dr. James VanDerslice James Webb Dr. Erica Brown Gaddis Executive Secretary

Utah Water Quality Board Meeting Via Zoom

Meeting Link

May 26, 2021 Board Meeting Begins at 8:30 am

AGENDA

Water Quality Board Meeting – Roll Call
A. Electronic Meeting Notice Jennifer Grant
B. Minutes: Approval of Minutes for April 28, 2021 Water Quality Board Meeting
C. Executive Secretary's Report Erica Gaddis
D. Funding: 1. Financial Report
E. Other 1. Wastewater Operator Certification Council Recognition of Service - Paul Fulgham & Brent Justensen Jennifer Grant 2. Jordan River E. coli Total Maximum Daily Load Introduction
G. Public Comment Period
H. Meeting Adjournment

Next Meeting June 23, 2021 at 8:30 am **DEQ Board Room 1015** 195 North 1950 West Salt Lake City, UT 84116

DWQ-2021-008822

Revised 5/20/2021

In compliance with the American Disabilities Act, individuals with special needs (including auxiliary communicative aids and services) should contact Larene Wyss, Office of Human resources, at (801) 536-4281, TDD (801) 536-4284, or by email at hwys@utah.gov at least five working days prior to the scheduled meeting.



SPENCER J. COX Governor

DEIDRE HENDERSON
Lieutenant Governor

Department of Environmental Quality

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James Webb
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Executive Secretary

State of Utah

I, Jennifer Grant, Chair of the Water Quality Board, have determined that the May 26th 2021 meeting of the Water Quality Board will be held electronically without an anchor location.

This determination is based on the following facts:

- 1. Utah is currently dealing with Covid 19, which has been determined to be a pandemic. Covid 19 is extremely contagious and can be deadly to those who contract it, especially those of advanced age and underlying health conditions.
- 2. The Agency offices are in Salt Lake County, which is currently in the State's moderate risk category.
- 3. A vast majority of Agency staff and the members of the Water Quality Board are teleworking to avoid unnecessary contact with others.
- 4. The Governor's Office has made workplace adjustments for Executive Branch employees to return to the office. However, those adjustments do not take effect until May 31, 2021.
- 5. The Water Quality Board uses an electronic platform which allows interested parties to view the meeting, hear discussions and provide written comments.

Dated this 21st day of May, 2021.

*Jennifer Grant*Jennifer Grant (May 21, 2021 12:54 MDT)

Jennifer Grant, Chair Water Quality Board



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MINUTES

UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY UTAH WATER QUALITY BOARD

Via Zoom

April 28, 2021 8:30 am Board Work Meeting 9:30 am Board Meeting

UTAH WATER QUALITY BOARD MEMBERS PRESENT

Steven Earley Emily Niehaus
Gregg Galecki Kim Shelley
Jennifer Grant James Webb
Brandon Gordon James VanDerslice

Mike Luers

DIVISION OF WATER QUALITY STAFF MEMBERS PRESENT

Robert Beers
Jennifer Berjikian
Danielle Lenz
Emily Cantón
Glen Lischeske
Krystol Carfaro
Eric Castrejon
Skyler Davies
Brenda Johnson
Danielle Lenz
Glen Lischeske
Leanna Littler-Woolf
John Mackey
Christine Osborne

Winnie Pan Amy Dickey Judy Etherington Andrew Pompeo Erica Gaddis Jeanne Riley Jodi Gardberg Mark Stanger Jeff Studenka Dan Griffith Angela Gunderson Sarah Ward Dan Hall Sandy Wingert Samantha Heusser Beth Wondimu

Ken Hoffman

OTHERS PRESENT

Corey Twedt Millville City Mayor David Hair Millville City

Chad Brown Franson Civil Engineers
Lance Houser Franson Civil Engineers

Kaden Figgins Garfield County

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OTHERS PRESENT (continued)

Dave Dodds Garfield County
Brian Bremner Garfield County

Marian Rice Salt Lake City Dept of Public Utilities

Jay Olsen UDAF

Melissa Reynolds Holland & Hart LLP

Janae Wallace UGS

Kathy Ryan Green River City Council

Ms. Grant called the Work Meeting to order at 8:30 AM.

Presentation of Financial Burden Criteria - Draft Policy Discussion

Ms. Grant called the Board Meeting to order at 8:30 AM and took roll call for the members of the Board and audience.

Ms. Grant read the Electronic Meeting Notice regarding the Water Quality Board meeting being held electronically, April 28, 2021 without an anchor location.

APPROVAL OF MINUTES OF MARCH 24, 2021 BOARD MEETING

Motion: Dr. VanDerslice moved to approve the minutes of the March 24, 2021 Board meeting.

Ms. Niehaus seconded the motion. The motion passed unanimously with Mr. Earley recusing himself as he was not present at the March meeting.

EXECUTIVE SECRETARY REPORT

Dr. Gaddis updated the Water Quality Board regarding the following items.

National and Regional

American Rescue Plan Act (ARPA) of 2021 funding request to the Governor's Office of Planning and Budget (GOPB). DEQ has prepared three requests for ARPA funding

- \$48 million for Utah's Rural Asset Management Program for Utility Planning (RAMP-UP Utah)
 - O Grants for 47 disadvantaged communities (44 rural) to reduce existing debt for sewer projects
 - Incentivizes management-directed (annual) capital investments in community sewer infrastructure
 - Loan repayments will create an ongoing financing mechanism for Utah's rural/hardship communities into the future
 - Early repayment to the Utah Wastewater Loan Fund addresses cash flow concerns for WQB to finance additional critical community infrastructure
 - o Incentivizes annual and proactive investment for sewer infrastructure
- \$100 million wastewater infrastructure \$50 million to loans and \$50 million to grants
 - o Represents about 25% of active construction/shovel ready around the state.
- \$36 million drinking water projects (12 projects) and \$12 million allocated to lead in schools across the state.

American Jobs Act - \$58 billion to upgrade and modernize America's drinking water, wastewater and stormwater systems, tackle new contaminants, and support clean water infrastructure across rural America.

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DWQ is considering a request for a septic replacement program and/or for modernizing several training programs including:

- Wastewater Operator Certification Program
- o Registered Stormwater Inspector Program
- o Onsite Training, and Nutrient Management Plan

State and Division Issues and Initiatives

Water Quality Board Upcoming

- Work Meeting
 - Hardship Criteria Policy
- Board Replacements
 - o Jennifer Grant Manufacturing Industry
 - o Gregg Galecki Mineral Industry
 - o Emily Niehaus Government Representative
 - o Jim VanDerslice Public Representative

Division Management

- Introduction of New Staff
 - o Glen Lischeske Engineering

FUNDING REQUESTS

Financial Report: Ms. Carfaro updated the Water Quality Board on the Loan Funds and Hardship Grant Funds as indicated in the packet.

Millville City – Additional Funding Request: Mr. Hoffman presented a request for a new wastewater collection system including house laterals and septic tank abandonment. Millville requests to utilize \$1 million of \$1.5 million for laterals and asks the Board to reauthorize the remaining \$500,000 toward the collection system funding. In addition, Millville is requesting that the Board consider authorization of additional principal forgiveness funding.

Motion: Mr. Earley moved to approve the staff recommendation to unauthorize \$500,000 of the Hardship Grant funding from the March 2020 funding package for private laterals and authorize an additional \$3,000,000 in total funding including the unauthorized \$500,000 as a loan for 30 years at 0% interest and \$2,500,000 in principal forgiveness subject to the following special conditions:

- 1. Millville must agree to participate annually in the Municipal Wastewater Planning Program (MWPP).
- 2. As part of the facility planning, Millville must complete a Water Conservation and Management Plan.
- 3. Millville must pursue and retain funding necessary to fully implement the collection system project.
- 4. Millville must develop and implement an asset management program that is consistent with EPA's Fiscal Sustainability Plan guidance.

Ms. Niehaus seconded the motion. The motion passed by a majority vote with Mr. Webb recusing himself as he missed most of the discussion and no response from Mr. Gordon.

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AQUIFER CLASSIFICATION

Request for Public Hearing – Bryce Canyon Area Aquifer Classification: Ms. Ward requested authorization to conduct a public hearing for an aquifer classification petition for the Bryce Canyon Area, Garfield County, Utah with Ms. Wallace of the UGS presenting the petition to the Board.

Motion: Mr. Galecki moved to hold a public hearing for the Bryce Canyon Area Aquifer Classification. Mr. Galecki also volunteered to be the hearing officer.

Ms. Niehaus seconded the motion. The motion passed by a majority vote with no response from Mr. Gordon.

OTHER BUSINESS

Waste Water Operator Certification Council Annual Report for 2020: Mr. Burrell the WWOCC Chair presented the Board with the 2020 Annual Report for the Utah Wastewater Operator Certification Program.

Jordan River *E. coli* **Total Maximum Daily Load Introduction:** This preliminary briefing was deferred to the May 2021 Water Quality Board meeting due to time constraints.

Request for Public Comment – FY 2021 Intended Use Plan: Ms. Carfaro requested approval from the Board to send to public comment the FY 2021 Intended Use Plan (IUP).

Motion: Mr. Luers moved to send the FY 2021 Intended Use Plan (IUP) to public notice.

Mr. Webb and Mr. Galecki both seconded the motion. The motion passed with a majority vote with no response from Mr. Gordon and Ms. Niehaus.

PUBLIC COMMENTS

Ms. Kathy Ryan with the Green River City Council asked for assistance with an ongoing salinity issue in the Green River, Utah area.

MEETING ADJOURNMENT

Motion: Mr. Earley moved to adjourn the meeting.

Mr. Galecki seconded the motion. The motion passed unanimously.

To listen to the full recording of the Water Quality Board meeting. https://deq.utah.gov/boards/utah-water-quality-board-meetings Page 5 April 28, 2021 Water Quality Board **Minutes**

Next Meeting – May 26, 2021 Meeting begins at 8:30 am Via Zoom https://us02web.zoom.us/j/7074990271

> Jennifer Grant, Chair Utah Water Quality Board

LOAN FUNDS FINANCIAL STATUS REPORT MAY 2021

	State Fiscal Year					
STATE REVOLVING FUND (SRF)	2021	2022	2023	2024	2025	2026
Funds Available						
Capitalization Grants Awards (FFY18 - 20)	14,635,801	-	-	-	-	-
State Match (FFY18 - 20)	1,671,600	-	-	-	-	-
Future Capitalization Grants (estimated)	8,357,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000
Future State Match (estimated)	1,671,400	1,600,000	1,600,000	1,600,000	1,600,000	1,600,000
SRF - 2nd Round	43,417,555	52,723,604	17,465,861	4,414,258	14,633,776	44,460,589
Interest Earnings at 0.4252%	30,769	224,181	74,265	18,769	62,223	189,046
Loan Repayments (5255)	2,195,775	18,554,076	17,484,132	20,400,749	20,164,590	20,115,402
Total Funds Available	71,979,900	81,101,861	44,624,258	34,433,776	44,460,589	74,365,038
Project Obligations						
Central Valley Water Reclamation Facility	(8,324,000)	(24,976,000)	(6,800,000)	-	-	-
Duchesne City	(27,295)	-	-	-	-	-
Moab City	(80,000)	-	-	-	-	-
Provo City	(6,045,000)	(28,000,000)	(20,000,000)	(8,800,000)	-	-
South Salt Lake City (A)	(630,000)	(2,160,000)	(234,000)	-	-	-
Loan Authorizations						
Millville City	(1,150,000)	-	-	-	-	-
South Davis Sewer District (with NPS)	=	(7,000,000)	(7,176,000)	=	-	-
Mountain Green		(1,500,000)	(4,000,000)	(1,500,000)		
Payson City			(2,000,000)	(9,500,000)		
Millville	(3,000,000)					
Planned Projects						
None at this time						
Total Obligations	(19,256,295)	(63,636,000)	(40,210,000)	(19,800,000)	-	-
SRF Unobligated Funds	\$ 52,723,604	\$ 17,465,861	\$ 4,414,258	\$ 14,633,776	\$ 44,460,589	\$ 74,365,038

	State Fiscal Year					
UTAH WASTEWATER LOAN FUND (UWLF)	2021	2022	2023	2024	2025	2026
Funds Available						
UWLF	21,023,629	15,600,679	16,664,785	13,233,073	16,058,164	19,217,698
Sales Tax Revenue	-	3,587,500	3,587,500	3,587,500	3,587,500	3,587,500
Loan Repayments (5260)	190,000	2,917,806	2,495,988	2,473,791	2,808,235	2,655,353
Total Funds Available	21,213,629	22,105,985	22,748,273	19,294,364	22,453,898	25,460,552
General Obligations						
State Match Transfers	(3,343,000)	(1,600,000)	(1,600,000)	(1,600,000)	(1,600,000)	(1,600,000)
DWQ Administrative Expenses	(412,950)	(1,636,200)	(1,636,200)	(1,636,200)	(1,636,200)	(1,636,200)
Project Obligations						
Kane Co Water Conservancy Dist (Duck Creek)	(400,000)					
South Salt Lake City (B)	(1,457,000)	(2,205,000)	(1,779,000)	-	-	-
Loan Authorizations						
Spanish Fork		-	(4,500,000)	-	-	-
Planned Projects						
None at this time	-	-	-	-	-	-

LOAN FUNDS FINANCIAL STATUS REPORT MAY 2021

Project Reserve Total Available Loan Funds		68.324.283	(5,000,000) 29.130.646	(10,000,000) 7.647.331	(15,000,000) 15.691.940	(20,000,000) 43.678.287	(25,000,000) 71.589.389
Total Loan Fund Balance		68,324,283	34,130,646	17,647,331	30,691,940	63,678,287	96,589,389
UWLF Unobligated Funds	\$	15,600,679 \$	16,664,785 \$	13,233,073 \$	16,058,164 \$	19,217,698 \$	22,224,352
	Total Obligations	(5,612,950)	(5,441,200)	(9,515,200)	(3,236,200)	(3,236,200)	(3,236,200)

HARDSHIP GRANT FUNDS FINANCIAL STATUS REPORT MAY 2021

	State Fiscal Year					
HARDSHIP GRANT FUNDS (HGF)	2021	2022	2023	2024	2025	2026
Funds Available						
Beginning Balance		995,282	865,476	1,115,830	1,504,626	2,789,273
Federal HGF Beginning Balance (5250)	6,078,433	-	-	-	_	-
State HGF Beginning Balance (5265)	2,182,451	-	-	-	_	-
Interest Earnings at 0.4252%	5,854	4,232	3,680	4,745	6,398	11,860
UWLF Interest Earnings at 0.4252%	14,899	66,334	70,859	56,267	68,279	81,714
Hardship Grant Assessments (5255)	171,191	707,904	1,106,077	1,030,544	1,934,499	767,302
Interest Payments - 5260	-	341,724	319,738	297,241	275,471	253,943
Advance Repayments	-	_	-	_	_	_
Total Funds Available	8,452,827	2,115,476	2,365,830	2,504,626	3,789,273	3,904,093
Financial Assistance Project Obligations						
Eagle Mountain City - Construction Grant	(510,000)	-	-	-	_	-
Emigration Sewer Imp Dist - Planning Grant	(26,158)	-	-	-	_	-
Kane Co Water Conservancy Dist (Duck Creek) - Hardship Grant	(3,034,500)	-	-	-	_	-
Lewiston City - Design and Construction	(274,000)	-	-	-	_	-
Millville City - Design and Construction	(1,000,000)	-				
Spanish Fork - Hardship Grant	-	(250,000)	(250,000)	-	_	-
Non-Point Source/Hardship Grant Obligations						
Fitzgerald ARDL interest-rate buy down	(51,056)	-	-	-	_	-
McKees ARDL interest-rate buy down	(55,261)	-	-	-	_	-
Munk Dairy ARDL interest-rate buy down	(16,017)	-	-	-	_	-
(FY12) Utah Department of Agriculture	(277,928)	-	-	-	_	-
(FY15) DEQ - Ammonia Criteria Study	(27,242)	-	-	-	-	-
(FY15) DEQ - Nitrogen Transformation Study	(14,500)	-	-	-	_	-
(FY17) DEQ - Utah Lake Water Quality Study	(348,301)	-	-	-	_	-
(FY20) Wasatch Co Health Dept Ground WQ Study	(18,387)					
BYU - Bioassays to Investigate Nutrient Limitation	(652)	-	-	-	-	-
USU - Historic Trophic State/Nutrient Concentrations Paleo	(105,793)	-	-	-	-	-
FY 2018 - Remaining Payments	(39,739)	-	-	-	-	-
FY 2019 - Remaining Payments	(451,596)	-	-	-	-	-
FY 2020 - Remaining Payments	(473,270)	-	-	-	-	-
FY 2021 - Remaining Payments	(733,145)					
Future NPS Annual Allocations		(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)	(1,000,000)
Planned Projects						
None at this time						
Total Obligations	(7,457,546)	(1,250,000)	(1,250,000)	(1,000,000)	(1,000,000)	(1,000,000)
HGF Unobligated Funds	\$ 995,282	\$ 865,476	\$ 1,115,830	\$ 1,504,626	\$ 2,789,273	\$ 2,904,093

State of Utah Wastewater Project Assistance Program Project Priority List

As of May 14, 2021

				Point Categories			
Rank	Project Name	Funding Authorized	Total Points	Project Need	Potential Improvement	Population Affected	Special Consideration
1	South Davis Sewer District	x	138	50	18	10	60
2	2 Payson		120	35	17	8	60
3	Spanish Fork Water Reclamation Facility	х	117	50	19	8	40
4	Millville City	х	114	45	46	3	20
5	Mountain Green	х	108	50	14	4	40
6	Fairview City		107	50	15	2	40
7	7 San Juan Spanish Valley SSD		86	25	0	1	60
8	Wellington City	х	74	10	21	3	40
9	Lewiston City	х	67	10	16	1	40



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MEMORANDUM

TO: Utah Water Quality Board

FROM: Erica Brown Gaddis, PhD

Division Director

DATE: May 26, 2021

SUBJECT: Clarification of Appointment of Ken Hoffman as Official Signatory

On October 28, 2020, the Board approved Ken Hoffman as the Water Quality Engineering Section Manager as official signatory for official documents associated with the Utah Wastewater Project Assistance Program.

This request is for the Water Quality Board to clarify in Ken Hoffman's approved role as official signatory. For official documents associated with the Utah Wastewater Project Assistance Program Ken Hoffman will be conducting this role under the title of the Assistant Executive Secretary of the State of Utah Department of Environmental Quality Water Quality Board.



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MEMORANDUM

TO: Water Quality Board

THROUGH: Erica Brown Gaddis, Director, Division of Water Quality

FROM: Sandy Wingert, Watershed Protection Section

DATE: May 26, 2021

SUBJECT: Preliminary Briefing of the Jordan River Watershed-wide *E. coli* Total Maximum

Daily Load Study

The Utah Division of Water Quality (DWQ) is developing a Jordan River Watershed-wide Total Maximum Daily Load (TMDL) Study to address impairments of the drinking water and recreational beneficial uses due to *E. coli*. This study addresses *E. coli* exceedances that resulted in Clean Water Act (CWA) Section 303(d) impairment listings of several assessment units in the Jordan River watershed in the 2006 through 2014 Integrated Reports. Staff will present an overview of the TMDL development strategy, analyses completed to date, and a timeline for completion to the Water Quality Board during the meeting scheduled for April 28, 2021.

Watershed Description

The Jordan River watershed is a part of the Great Salt Lake Basin which incorporates much of northern and western Utah as well as portions of Idaho, Wyoming, and Nevada. The total area of the Great Salt Lake Basin is about 35,000 mi². The Jordan River watershed comprises the downstream end of the Provo/Jordan River Basin and is one of three river basins that contribute flow to the Great Salt Lake. It has been heavily hydrologically modified to convey water across the valley predominantly for agricultural and municipal uses. Utah Lake is the single largest source of flows to the Jordan River. Other tributaries contribute flow from both east and west, but these, are subject to a complex network of diversions, return flows from canals, stormwater discharge, and exchange agreements between culinary and agricultural users. The Jordan River watershed incorporates all of Salt Lake County and some of the most densely populated areas of Utah.

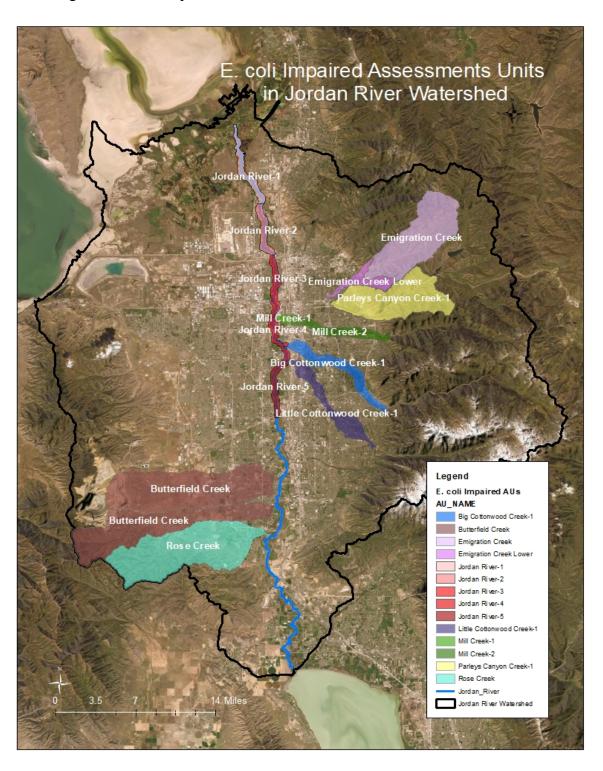
Impaired Waterbodies

The <u>2016 Integrated Report</u> states that 16% of the river miles assessed within the Jordan River watershed are failing to protect at least one of their designated uses; Beneficial Use Class 1C

Page 2 May 26, 2021 Water Quality Board Jordan River Watershed E. coli Total Maximum Daily Load Study

(drinking water) and 2B (infrequent primary contact recreation) due to elevated levels of *E. coli*. These impaired river miles are located within 13 assessment units (AUs) and include both east and west side tributaries and the main stem of the Jordan River from the confluence of Little Cottonwood Creek to the Great Salt Lake (Table 1 and Figure 1). These AUs are deemed a high priority for TMDL development due to the high recreational use, culinary use, ongoing TMDL studies and watershed planning, waterborne pathogen pollutant, and a combination of both point and non-point sources of pollution.

Figure 1. E. coli impaired assessment units within the Jordan River watershed.



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May 26, 2021
Water Quality Board
Jordan River Watershed
E. coli Total Maximum Daily Load Study

Table 1. E. coli impaired assessment units within the Jordan River watershed.

Assessment Unit	Description	Impaired Beneficial Use	Year Listed
Jordan R-1	Jordan River from Farmington Bay upstream contiguous with the Davis County line	2B	2010
Jordan R-2	Jordan River from Davis County line upstream to North Temple Street	2B	2006
Jordan R-3	Jordan River from North Temple to 2100 South	2B	2006
Jordan R-4	Jordan River from 2100 South to the confluence with Little Cottonwood Creek	2B	2014
Jordan R-5	Jordan River from the confluence with Little Cottonwood Creek to 7800 South	2B	2006
Mill Creek-1	Mill Creek from confluence with Jordan River to Interstate 15 crossing	2B	2014
Mill Creek-2	Mill Creek and tributaries from Interstate 15 to USFS Boundary	2B	2008 (FC)
Little Cottonwood -1	Little Cottonwood Creek and tributaries from Jordan River confluence to Metropolitan WTP	2B	2014
Big Cottonwood-1	Big Cottonwood Creek and tributaries from Jordan River to Big Cottonwood WTP	2B	2014
Lower Emigration	Emigration Creek and tributaries from below Westminster College) to stream gage at Rotary Glen Park	2B	2014
Parley's-1	Parleys Canyon Creek and tributaries from 1300 East to Mountain Dell Reservoir	1C/2B	2010
Rose	Rose Creek and tributaries from confluence with Jordan River to headwaters	2B	2014
Butterfield/Midas	Butterfield Creek and tributaries from confluence with Jordan River to headwaters	2B	2014

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Approach

Per requirements of Section 303(d) of the CWA, states assess water quality and identify impaired waters. The purpose of developing TMDLs for these impaired waters is to restore, protect, and maintain the quality of waters of the state for their designated beneficial uses. It is the Division of Water Quality's policy to develop plans and strategies through a locally led, collaborative process with the Jordan River Commission, Jordan River Watershed Council, Salt Lake County Stormwater Coalition and other stakeholders.

TMDLs include a thorough assessment of defined beneficial uses and their associated water quality standards, a determination of the pollutant loading capacity of impaired waters, excess pollutant loads, significant sources of pollutant loading, and an allocation of pollutant loads to those sources. The pollutant loading evaluation includes both point and nonpoint sources in addition to defining a margin of safety to account for the analytical uncertainty associated with the development of the TMDL.

E. coli, unlike other pollutants, are living organisms and can multiply and persist in soil and water environments. Use of watershed models for estimating relative loads is warranted for these analyses given the intensive hydrological modifications, diverse pollutant sources, and permitted point sources allocations within the drainage. The technical approach includes using the <u>Bacteria Source Load Calculator</u> to characterize bacteria source inputs for a larger watershed scale model, <u>Hydrological Simulation Program – FORTRAN (HSPF)</u>. This dynamic model allows for the simulation of land and soil contaminant runoff processes with in-stream hydraulic and sediment-chemical interactions. Model outputs can then be used to determine appropriate pollutant loads and reductions necessary to protect Jordan River watershed's beneficial uses.

Following the analysis of water quality data, a project implementation plan will be prepared that outlines strategies to decrease pollutants where feasible, attain water quality standards, and restore the river to full support status. The project implementation plan will also include an evaluation of existing best management practices and completed implementation projects in the watershed. The implementation plan will satisfy requirements for obtaining federal 319 funding and provide reasonable assurance that the non-point source load reductions identified in the TMDL will be achieved.

Schedule

DWQ Staff and cooperators (Salt Lake County) have collected water quality data throughout the Jordan River watershed to support these studies since 2006. In 2019, staff met with key stakeholders (Jordan River Watershed Council, Salt Lake County Stormwater Coalition) to determine possible sources and direct future monitoring efforts. The official kick-off meeting was held on February 5, 2019 at the Jordan River Watershed Council meeting where staff introduced the background information of assessment listings and TMDL development. Model selection and development occurred in 2020. Future stakeholder meetings will focus on data summaries, watershed characterization, and model introduction. Monitoring is on-going.

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September 2022 is the goal date for submission to EPA for final approval (Table 2).

Table 2. Jordan River watershed E. coli TMDL development schedule.

Date	Schedule
February 5, 2019	Kickoff Stakeholder Meeting (Jordan River Watershed Council)
March 21, 2021	Salt Lake County Stormwater Coalition: TMDL Update
April 21, 2021	Salt Lake County Stormwater Coalition: TMDL Tracking Tool Update
April 28, 2021	Water Quality Board Introduction
June 2021	HSPF Model Update Complete
June 2021	Jordan River Commission Technical Advisory Committee: TMDL and Model
	Introduction
Summer 2021	HSPF Model Calibration and Validation
Fall 2021	HSPF Model Scenario, Report Writing
Fall 2021	Stakeholder Meeting: Model Scenario Discussion
Winter 2021	Model Report, TMDL Report Writing
Winter 2021	Stakeholder Meeting (if necessary)
1 st Quarter 2022	Internal Draft Report
2 nd Quarter 2022	Stakeholder meeting & Stakeholder Draft Due
June 2022	Water Quality Board preliminary approval & initiate rule-making
July 2022	30-day rulemaking process
August 2022	Address public comments
September 2022	Water Quality Board request for formal adoption into rule Submit to EPA for final
	approval



Department of Environmental Quality

Kimberly D. Shelley Executive Director

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MEMORANDUM

TO: Water Quality Board

THROUGH: Erica Gaddis, PhD, Director

FROM: Chris Bittner, Standards Coordinator

DATE: May 26, 2021

SUBJECT: Informational Item - Completion of the 2020 Water Quality Standards Triennial

Review

Water quality standards are the foundation for the Clean Water Act programs administered by DWQ. Designated uses, narrative and numeric criteria, and antidegradation policies comprise the standards and only the Board has the authority to revise these standards. Utah is required by R317-2-1C and 40 CFR § 131.20 to review our water quality standards at least once every 3 years and this process is called the triennial review. Although potential improvements to the standards are considered when they are identified, the triennial review provides a formal opportunity for the Board, staff, EPA and the public to recommend changes.

Staff informed the Board of commencement of the 2020 triennial review at the June, 2020 meeting. DWQ subsequently published a public notice to solicit comments and convened a public hearing. Only EPA submitted comments.

The primary outcome of the review is a list of potential standards revisions to be considered over the next 3 years. The list does not preclude higher priority revisions not currently identified. The <u>Responsiveness Summary</u> includes the public notice, comments received, comment responses, and the list of priorities. Staff will review the list of the upcoming priorities at the Board meeting.