



State of Utah

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DEIDRE HENDERSON  
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Department of  
Environmental Quality

Tim Davis  
Commissioner

DIVISION OF WATER QUALITY  
Candice A. Hasenyager, P.E.  
Director

**Water Quality Board**  
James Webb, Chair  
Trevor Heaton, Vice Chair  
Jeannie Simmonds  
Robert Fehr  
Michela Harris  
Joseph Havasi  
Jill Jones  
Tim Davis  
Candice A. Hasenyager, P.E.  
Executive Secretary

**Utah Water Quality Board Meeting**  
**MASOB (Board Room) 1<sup>st</sup> Floor**  
**195 North 1950 West**  
**Salt Lake City, Utah 84116**  
**And**  
**[Google Meet](#)**

**June 24, 2026**  
**Board Meeting Begins at 8:30 AM**

**AGENDA**

**Water Quality Board Meeting Call to Order & Roll Call**

**James Webb**

**Minutes:**

Approval of Minutes for May 27, 2026  
Water Quality Board Meeting

**James Webb**

**Executive Secretary Report**

**Candice A. Hasenyager**

**Administrative:**

1. Appointment of Skyler Davies, P.E. as Official Signatory
2. 2026 Triennial Review of Utah's Water Quality Standards

**Leanna Littler-Woolf**  
**Jake Vander Laan**

**Rule Making:**

1. Request to finalize Rulemaking for Total Maximum Daily Loads for *E. Coli*  
in the Jordan River Watershed 2026 Addendum

**Sam Taylor & Sandy Wingert**

**Funding:**

1. Final Report for Virgin River Groundwater Study

**Robert Beers**

**Other:**

**Public Comment Period**

**Meeting Adjournment**

**James Webb**

**Next Meeting  
August 26, 2026, at 8:30 am  
MASOB & Via [Google Meet](#)  
195 North 1950 West  
Salt Lake City, Utah 84116**



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MINUTES

**UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY  
UTAH WATER QUALITY BOARD**

MASOB

and

Via [Google Meet](#)

May 27, 2026

8:30 am Board Meeting

**UTAH WATER QUALITY BOARD MEMBERS PRESENT**

James Webb  
Trevor Heaton  
Michela Harris  
Joe Havasi  
Jeannie Simmonds  
Tim Davis

**DIVISION OF WATER QUALITY STAFF MEMBERS' PRESENT**

Candice A. Hasenyager	Emily Cantón	Christa Huchison
Clanci Hawks	Christa Hutchison	George Meados
Deidre Beck	Dave Pierson	Brendon Quirk
Sandy Wingert	Leanna Littler-Woolf	John Schwarz
Jacob Ridgway	Lonnie Shull	Jeff Studenka
Samuel Taylor	Alex Heppner	Katie Garth
Linsey Shafer	Tessa Sceuer	Jodi Gardbert
Danielle Lenz	Jake Vander Laan	Skyler Davies
Samantha Heusser	Ben Holcomb	James House
Adriana Hernandez		

**OTHERS PRESENT**

Areil Calmes  
Chad Burrell  
Eric Sorensen  
Nate Rogers  
Trevor Lindley  
Rob Dubuc  
Max Covey  
Lily Bosworth  
Jeff Beckham  
James Goodley  
Kyle Thompson

**Mr. Webb called the Meeting to order at 8:30 AM.**

**ROLL CALL**

**Mr. Webb took roll call for the members of the Board.**

**APPROVAL OF MINUTES – April 22, 2026, Meeting**

**Motion:** Ms. Simmonds moved to approve the meeting minutes.  
Ms. Harris seconded the motion.  
The motion passed unanimously.

**EXECUTIVE SECRETARY REPORT:**

Mrs. Hasenyager addressed the Board with the following updates:

- Last week was Interim Week, and the committee released its latest study report items for legislative review.
- Key Item outlines the usage and implementation of retention and detention basins. This specific topic is slated for further evaluation and is expected to return to the legislature in the upcoming session.
- Statewide Drought Emergency and Water Infrastructure, the Governor issued an official Statewide Drought Emergency Declaration. All 29 counties are experiencing drought conditions, with 22 counties classified as extreme drought. Snowpack status levels hit the lowest on record since the 1930s. The snowpack peaked three weeks early, significantly condensing the State's traditional spring runoff.
- The Utah Lake Science Panel meeting is scheduled for May 28, 2026, the meeting will include a decision to approve the Technical Support Document and rolled-up targets.
- EPA Region 8 TMDL Workshop was hosted by DWQ in Salt Lake City the week of May 12<sup>th</sup>, and a kickoff meeting for a work group regarding POS and biosolids is scheduled for June 4<sup>th</sup>, with Board Members Joe Havasi and Jill Jones volunteering to participate.
- The 2026 Addendum to the Jordan River Watershed E. coli TMDL is currently open for public comment, the review period concludes on June 6, 2026.
- The leadership title within the Department of Environmental Quality has officially transitioned from Executive Director to Commissioner.

**Wastewater Certification Program:**

**Presentation of the Utah Wastewater Operator Certification Programs**

**2025 Annual Report:**

Mr. Burrell presented the report, noting that a new test implemented in 2025 resulted in a 71% average pass rate.

This change is attributed to weighted question scaling, which more accurately measures operator knowledge. The Council has executed a contract to update the database, which will improve tracking and renewal efficiency.

**Compliance & Enforcement:**

**Request for Approval of Settlement Docket No. I25-01 for Ralph L. Wadsworth Construction Company, LLC.:**

Mr. Castejon presented a request for approval of a settlement regarding civil penalties for Ralph L. Wadsworth Construction Company.

**Motion:** Mr. Heaton moved to approve the settlement as stated in the packet.  
Ms. Harris seconded the motion.  
The motion passed unanimously.

**OTHER:**

**Requests for Designated Use and Antidegradation Reclassifications:**

**Weber River, Middle Provo River and Deer Creek Reservoir:** Mr. Vander Laan presented requests to classify areas of the Weber River as a drinking water source and to upgrade the anti-degradation category of the Middle Provo River and Deer Creek Reservoir to category 2. The board directed the Division to create a work group to gather more information including maps, data on existing water quality and input from existing permitted discharges before proceeding further. No motion was required.

**PUBLIC COMMENTS:**

**MEETING ADJOURNMENT**

**Motion:** Ms. Harris moved to adjourn the meeting.  
Mr. Havasi seconded the motion.  
The motion passed unanimously.

The full recording of the May 27, 2026, Water Quality Board Meeting may be viewed here [Google Meet](#)

**Next Meeting – June 24, 2026**  
**Meeting begins at 8:30 am**

**In-Person**  
**MASOB**  
**195 North 1950 West**  
**Board Room 1015**  
**Salt Lake City, Utah 84116**

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James Webb, Chair  
Utah Water Quality Board

PENDING



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*Executive Secretary*

**MEMORANDUM**

**TO:** Utah Water Quality Board

**THROUGH:** Candice A. Hasenyager, P.E., Director/ Executive Secretary

**FROM:** Leanna Littler-Woolf, Deputy Director

**DATE:** June 24, 2026

**SUBJECT:** Appointment of Skyler Davies, P.E. as Official Signatory

Skyler Davies, P.E., recently assumed the position of Engineering Section Manager. In this position, Skyler Davies, P.E. will be responsible for closing loans and executing hardship grant agreements on behalf of the Water Quality Board.

This request is for the Water Quality Board to designate Skyler Davies, P.E., Engineering Section Manager of the Division of Water Quality, as **Assistant Executive Secretary of the State of Utah Department of Environmental Quality, Water Quality Board**; granting signatory authority for official documents associated with the Utah Wastewater Project Assistance Program.



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Executive Secretary

**MEMORANDUM**

**TO:** Water Quality Board

**THROUGH:** Candice A. Hasenyager, P.E. Director

**FROM:** Jake Vander Laan, Water Quality Standards Coordinator

**DATE:** June 24, 2026

**SUBJECT:** 2026 Triennial Review of Utah's Water Quality Standards

**Board Action:**

A Board member is invited to volunteer to serve as a hearing officer at a public hearing to receive public comments related to the 2026 Triennial Review, August 6, 2026, at 6 PM, or this responsibility may be delegated to DWQ staff.

**Summary**

To meet obligations under the Clean Water Act and Utah Water Quality Act, the Utah Division of Water Quality (DWQ) is required to review Utah's Water Quality Standards in Utah Administrative Code R317-2 at least once every three years (R317-2-1C & 40 CFR 131.20(a)).

For the 2026 Triennial Review, DWQ has performed a comprehensive review of all of Utah's water quality standards policies and criteria, including a comparison of the state's water quality standards to nationally recommended criteria to identify and prioritize needed additions and updates.

DWQ is now seeking input through a collaborative engagement process with stakeholders, partner state and federal agencies, and the public to identify any additional recommended changes to Utah's water quality standards. A public comment period is open June 18 – August 7, with a public hearing to be held August 6.

## **Background**

### *Water Quality Standards and Rulemaking*

By statute (Section 19-5-104), the Board has the authority to amend Utah's water quality standards through the rulemaking process. The process for changing water quality standards includes Board approval to perform rulemaking, filing with the Office of Administrative Rules, public notice and comment, a Board vote to adopt proposed changes, state Attorney General certification, and submittal for U.S. Environmental Protection Agency approval. Any proposed amendments resulting from the Triennial Review will follow this process and include additional opportunities for public comment.

### **Water quality standards amendment priorities**

Based on DWQ's review of Utah's current water quality standards, and in discussion with DWQ's Water Quality Standards Workgroup, DWQ has compiled a list of priorities for water quality standards amendments (Attachment 1). This list includes short-term goals for water quality standards amendments, interim goals to support future water quality standards changes, and long-term priorities.

### **Public engagement**

#### *Public notice and comment period*

A public comment period for the Triennial Review was opened on June 18, 2026, via publication of public notice (Attachment 2). Per R317-2-11, the notice will also be distributed via newspapers and mailings. Written comments will be accepted until 6 pm August 7, 2026.

#### *Public hearing*

A public hearing to receive comments will be held at 6:00 PM on August 6, 2026, with both in person and remote participation options available.

### **Next steps**

Following the comment period, DWQ will issue comment responses, discuss the comments with the Utah Water Quality Standards Workgroup, and submit the review to EPA.

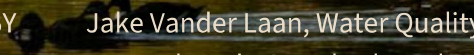


**Department of  
Environmental Quality**

Division of  
Water Quality

# Utah 2026 Triennial Review

R317-2 Standards of Quality for Waters of the State

PREPARED BY  Jake Vander Laan, Water Quality Standards Coordinator  
Ben Holcomb, Standards and Technical Services Section Manager

# Summary

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To meet obligations under the Clean Water Act and Utah Water Quality Act, the Utah Division of Water Quality (DWQ) is required to review [Utah's Water Quality Standards in Utah Administrative Code R317-2](#) at least once every three years (R317-2-1C & [40 CFR 131.20\(a\)](#)).

## **R317-2-1C. Triennial Review requirements**

“The water quality standards shall be reviewed and updated, if necessary, at least once every three years. The Director will seek input through a cooperative process from stakeholders representing state and federal agencies, various interest groups, and the public to develop a preliminary draft of changes. Proposed changes will be presented to the Water Quality Board for information. Informal public meetings may be held to present preliminary proposed changes to the public for comments and suggestions. Final proposed changes will be presented to the Water Quality Board for approval and authorization to initiate formal rulemaking. Public hearings will be held to solicit formal comments from the public. The Director will incorporate appropriate changes and return to the Water Quality Board to petition for formal adoption of the proposed changes following the requirements of the Utah Rulemaking Act, Title 63G, Chapter 3.”

For the 2026 Triennial Review, DWQ has performed a comprehensive review of all of Utah's water quality standards policies and criteria, including a comparison of the state's water quality standards to nationally recommended criteria to identify and prioritize needed additions and updates.

DWQ is now seeking input through a collaborative engagement process with stakeholders, partner state and federal agencies, and the public to identify any additional recommended changes to Utah's water quality standards.



# 2026 Triennial Review

## Water Quality Standards Priority List

DWQ’s water quality standards priority list includes short-term goals for water quality standards amendments, interim goals to support future water quality standards changes, and long-term priorities. DWQ routinely updates water quality standards priorities in response to the state’s needs, emerging water quality issues, and other relevant considerations. This list represents a snapshot of active priorities. The order of the items in the list does not represent a rank order of priorities.

Standards Issue	Background	Goal
Table reformatting and nonsubstantive edits	Text based tables must be converted to word processing style tables. These changes are nonsubstantive. Reformatting should make Utah’s WQ standards easier to interpret, use, and update. DWQ will also make other nonsubstantive improvements such as fixing typos and improving consistency and clarity.	Complete reformatting and nonsubstantive rule changes.
Review and reclassify 2B waters with current, existing, or desired 2A uses.	Several waterbodies currently classified as 2B (infrequent primary contact) have been identified as potentially having existing 2A uses currently occurring or as a desired use for the waterbody. DWQ should identify, document, and reclassify these waters as appropriate.	Identify waters to reclassify from 2B to 2A. Finalize support document. Propose and adopt reclassifications.
<a href="#">EPA 2019 Cyanotoxins: microcystin &amp; cylindrospermopsin</a>	Nationally recommended human health recreational criteria should be adopted for recreational uses in table 2.14.1. The recommended criteria are consistent with cyanotoxin concentrations used in recreational health advisories and WQ assessment methods.	Finalize support document. Propose and adopt criteria.
<a href="#">EPA 2016 Selenium Criteria</a>	The 2016 EPA criteria is hierarchical with the fish tissue criteria superseding water column criteria. The water criteria are more stringent than Utah's current criteria and selenium is common in Utah surface and waste waters. More stringent selenium criteria will impact existing discharge permits that may require	Finalize support document including permit impact evaluation, recommendations for developing site-specific translators, and evaluation of fish tissue and water Se data. Propose and adopt criteria.



	changes to treatment processes. The most sensitive species in the recommended criteria is the white sturgeon, which is not a resident taxon in Utah. DWQ expects to derive Utah-specific criteria via the species deletion and criterion recalculation procedures.	
<a href="#">EPA 2013 Ammonia Criteria</a>	The 2013 EPA criteria are more stringent than Utah's current criteria if unionid mussels are present. Utah has 2 unionid species but toxicity tests weren't available for these specific species when EPA updated the criteria. Testing was recently conducted for these 2 species in California. Recalculating the 2013 EPA criteria using the California toxicity data results in unionids-present criteria for Utah that are similar to Utah's existing criteria.	Update implementation guidance, request cost analysis from affected facilities, propose criteria to the Water Quality Board, adopt and submit for EPA approval.
Human health criteria	DWQ identified unadopted 304(a) recommended human health criteria (HHC) for five parameters: <ul style="list-style-type: none"> <li>● Chlorophenoxy Herbicide (2,4,5-TP) [Silvex] (CAS ID 93-72-1),</li> <li>● Chlorophenoxy Herbicide (2,4-D) (CAS ID 94-75-7),</li> <li>● Nitrosodibutylamine (CAS ID 924-16-3),</li> <li>● 1,2,4,5-Tetrachlorobenzene (CAS ID 95-94-3), and</li> <li>● Nitrosamines</li> </ul> <p>The recommended HHC for these parameters were proposed for adoption to the WQ Board (2017-2018), but were apparently inadvertently omitted from the rule filing.</p>	Draft support document. Adopt recommended HHC.
Chloride	DWQ identified an unadopted 304(a) recommended chloride criterion for aquatic life. Adoption of the chloride criterion may also require adoption of site-specific chloride criteria where site-specific criteria for TDS have been derived or some other action.	Review recommended criterion, perform initial scoping, draft support document.
Great Salt Lake: Gilbert Bay	Chronic and acute toxicity tests have been conducted for brine shrimp and brine flies for arsenic, copper, lead, and zinc.	Summarize toxicity test results and determine next steps. Update the Great Salt Lake Strategy.



Great Salt Lake: Farmington and Bear River Bays	Additional biological surveys have been conducted in Farmington and Bear River Bays of Great Salt Lake, filling data gaps identified in the GSL Aquatic Life Use survey. Recently updated recommended criteria for aluminum, ammonia, selenium, and copper provide appropriate species toxicity information for a recalculation procedure. This information is also available for total residual chlorine (TRC). Combined, these factors provide a potential pathway for adopting recalculated criteria for freshwater and less saline portions of GSL.	Update the Great Salt Lake Strategy. Pilot the species deletion procedure.
2024 PFAS aquatic life criteria	National recommendations finalized for <a href="#">PFOS</a> and <a href="#">PFOA</a> . Both are multipart criteria including water, invertebrate tissue, and fish tissue components.	Perform detailed review. Conduct water and tissue sampling.
<a href="#">EPA 2021 Lakes &amp; Reservoirs Nutrient Criteria</a>	Pilot model application to selected lakes and reservoirs. Current candidates are Willard Bay Reservoir, Mantua Reservoir, and Deer Creek Reservoir. These would help evaluate existing endpoints, potential point sources, and potential criteria endpoints.	Perform pilot analyses.

**Table 1 – 2026 Triennial Review water quality standards priority list.**





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**MEMORANDUM**

**TO:** Water Quality Board

**THROUGH:** Candice Hasenyager, P.E., Director

**FROM:** Sam Taylor and Sandy Wingert, Watershed Protection Section

**DATE:** June 24, 2026

**SUBJECT:** Request to adopt Total Maximum Daily Load (TMDL) by reference into R317-1-7 Jordan River Watershed *E. coli* TMDL: 2026 Addendum

**Board Action:** Staff recommends the Water Quality Board adopt the amendment to R317-1-7, as proposed in the May 15, 2026, Bulletin as a Board Order effective immediately.

The Division of Water Quality (DWQ) has completed TMDLs to address *E. coli* in Bingham Creek and City Creek as a 2026 Addendum to the 2023 Jordan River Watershed *E. coli* TMDLs. In 2023, Total Maximum Daily Load (TMDL) studies were completed for *Escherichia coli* (*E. coli*) in 14 subwatersheds within the Jordan River Watershed. Since completion and approval of these TMDLs, new waterbodies (Bingham Creek and City Creek) within the Jordan River Watershed have been listed for *E. coli* on the Clean Water Act 303(d) list of impaired waterbodies. *E. coli* is an indicator of fecal contamination from human or animal waste and is a potential risk to human health. Point sources that contribute to *E. coli* include stormwater, although Municipal Separate Storm System (MS4) permittees are already complying with the TMDL requirements and no additional actions are required. The nonpoint sources identified (e.g., pet waste, unhousehold, and recreationist waste) are not regulated by DWQ and instead addressed through voluntary and incentive-based grants. Therefore, there are no costs associated with these TMDLs.

Please refer to the following TMDL document: [Jordan River Watershed \*E. coli\* TMDL: 2026 Addendum and Appendices](#)

## **Finalization Timeline**

- April 22, 2026: Water Quality Board preliminary approval of TMDL / Petition to initiate rulemaking
- May 15, 2026 – June 16, 2026: 30-day Division of Administrative Rule Public Notice Period
- June 24, 2026: Petition Water Quality Board for formal adoption of TMDL into R317-1-7**
- June 29, 2026: Submit TMDL to the Environmental Protection Agency (EPA) for approval

## **Background**

The Clean Water Act (CWA) requires states to develop TMDLs for waters that do not meet water quality standards for their designated beneficial uses. Waterbodies that do not protect their beneficial uses are added to the 303(d) list, which is updated every two years as part of DWQ's Integrated Report. The purpose of a TMDL is to establish an allowable amount of a pollutant to a waterbody and use data to determine why a waterbody is not meeting its beneficial use. Although not required by EPA, DWQ includes an implementation plan with each TMDL that acts as a guide for projects, financial assistance, and to foster community support for improving water quality.

In 2023, *E. coli* TMDLs were approved for 14 Assessment Units (AUs) within the Jordan River Watershed. Since completion of the 2023 document, new waterbodies in the watershed were listed as impaired for *E. coli* in the 2024 Integrated Report. The 2023 document provided a framework for additional AUs to be added within the study area. TMDLs for two AUs, Bingham Creek and City Creek-1, have been developed and included in the 2026 Addendum to the Jordan River Watershed *E. coli* TMDLs.

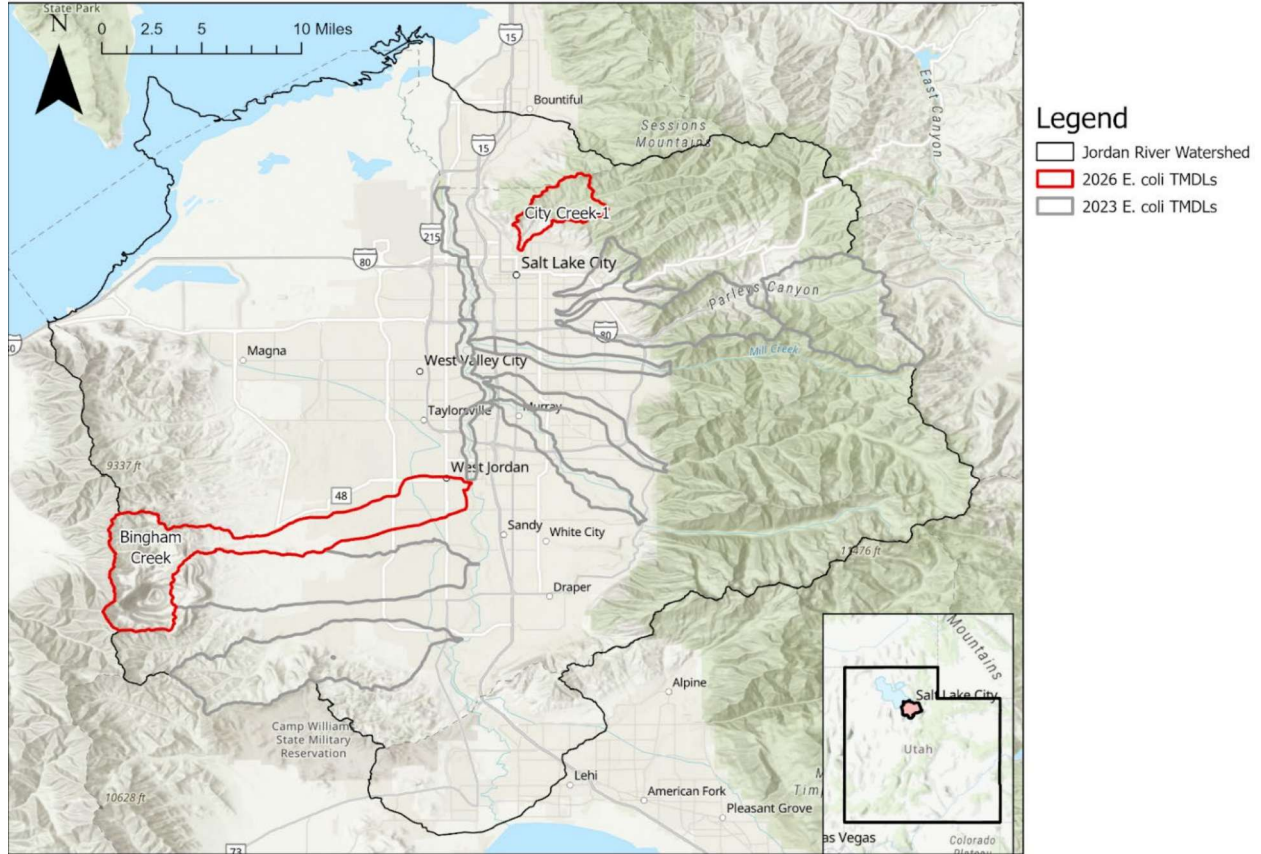
## **Results**

The TMDL analysis for Bingham Creek and City Creek-1 incorporated ten years of *E. coli* data. Results from this study determined that *E. coli* reductions needed to protect recreational beneficial uses are: 76% in Bingham Creek and 49% in City Creek-1. Bingham Creek shows high *E. coli* values year-round with peaks in January, September, and December. Analysis for Bingham Creek determined that the main sources of *E. coli* are agricultural activities. City Creek shows an increase in *E. coli* levels in the late summer to early fall. Analysis for City Creek determined that the main sources of *E. coli* are pets and recreation.

## **Stakeholder Review and Public Comment**

Stakeholders have been involved throughout the TMDL development process and have been an integral part of document review and implementation efforts. In addition to stakeholder communication, DWQ sent out these TMDLs to a wider stakeholder group for review from March 16– April 13. All comments received have been addressed and incorporated into the document. This review preceded the public comment period (May 15-June 16), during which no comments were received.

# Jordan River Watershed E. coli TMDLs





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**MEMORANDUM**

**DATE:** June 24, 2026  
**TO:** Utah Water Quality Board  
**THROUGH:** Candice A. Hasenyager, Director  
**FROM:** Robert Beers, Onsite Wastewater Program  
**SUBJECT:** Final Report for Virgin Groundwater Study

The Utah Water Quality Board (Board) awarded a hardship planning grant to the Town of Virgin on January 24, 2024. This grant was awarded to assist the Town of Virgin in completing a hydrogeologic / water quality study to assess the impacts of growth and the use of onsite wastewater systems on groundwater quality. The Town of Virgin and Sunrise Engineering, LLC have completed the study and have provided the Division of Water Quality with a copy of a summary of the final report (DWQ-2026-003158). Town of Virgin and Sunrise Engineering, LLC representatives, will provide a brief presentation of their work and findings from the study and answer any questions from Board Members.

No recommendation is offered and no Board action is required.

DWQ-2026-003159

File: P:\WQ\DWQDatabases\OnsiteWastewater\Southwest Utah Public HD\Virgin WQ Study