

December 7, 2023

Quality Assurance Assessment of External Datasets for Development of the
Clean Water Act (CWA) §303(d)/ §305(b) 2024-2026 Integrated List

The New Mexico Surface Water Quality Bureau (SWQB) used external datasets along with data collected by the SWQB to develop the 2024-2026 CWA §303(d)/§305(b) Integrated List. Chemical, physical, biological, and bacteriological data for any stream, river, lake, or reservoir in the state may be considered for assessment purposes and subject to New Mexico's water quality standards published in 20.6.4 NMAC. Prior to incorporation into the development of the Integrated List and Report, data obtained from external sources must first be reviewed with regards to data quality, usefulness, and consistency with SWQB procedures.

External data generally consists of data submitted from outside entities as well as data retrieved from publicly available national and regional water quality databases. The SWQB Data Submission Guidelines¹ in combination with the Comprehensive Assessment and Listing Methodology (CALM) Appendix A², the SWQB Quality Assurance Project Plan (QAPP), and SWQB Standard Operating Procedures (SOPs)³ are used to assess the quality of external datasets for inclusion into the development of the Integrated List. Specifically, datasets and associated documentation are reviewed to determine: (1) if there is documentation of QA/QC procedures that, at a minimum, meet the QA/QC requirements described in the SWQB's most recent quality assurance project plan (QAPP); and (2) if there is reasonable evidence or assurance that these procedures were followed. Data determined to be data quality level 3 or 4 as described in the Data Submission Guidelines meet required quality assurance standards for full assessment purposes.

For the 2024-2026 listing cycle, data packets were received or acquired from the following sources:

- Amigos Bravos
- Anthony Water & Sanitation District
- Bosque Ecosystem Monitoring Program (BEMP)
- Bureau of Land Management (BLM)
- Cimarron Watershed Alliance
- NMED DOE Oversight Bureau (downloaded via Intellus New Mexico⁴) for the Rio Grande near Buckman Diversion and Pajarito Plateau
- LANL (downloaded via Intellus New Mexico⁴)
- San Juan Soil and Water Conservation District
- Silver City Watershed Keepers
- Trout Unlimited
- Pathfinder Environmental Inc., and UPWA

Attached are quality assurance reviews of the above-mentioned datasets. In addition, EPA, USGS and Pueblo monitoring data for assessable watersheds throughout New Mexico were downloaded from the Water Quality Portal⁵.

¹ <https://www.env.nm.gov/surface-water-quality/data-submittals/>

² <https://www.env.nm.gov/surface-water-quality/calm/>

³ <https://www.env.nm.gov/surface-water-quality/sop/>

⁴ <https://www.intellusnm.com/>

⁵ <https://www.waterqualitydata.us/>



September 5, 2023

Shannon Romeling
Amigos Bravos
P.O. Box 238
114 Des Georges Place, Taos, NM 87571

Re: Quality Assurance Assessment for External Water Quality Data Submitted by Amigos Bravos to the Surface Water Quality Bureau for the State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List for 2024-2026.

Dear Ms. Romeling:

The New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) solicited outside organizations to submit chemical, physical, biological, habitat and bacteriological (i.e., *E. coli*) data for all streams, rivers, lakes, and reservoirs in the state, acquired in the last five (5) years that could be considered subject to New Mexico's water quality standards published in 20.6.4 NMAC and incorporated into the development of the **State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List (IR) for 2024-2026**.

The NMED SWQB received Amigos Bravos' water quality dataset on August 11, 2023, for consideration in development of the **2024-2026 IR**. Data were collected in various stream locations around Taos, New Mexico (NM) including the Rio Hondo, Red River, Rio Fernando, and Rio Pueblo de Taos. The data's temporal coverage is 2021 through 2022. The SWQB acknowledges the data were collected to monitor change in water quality for the protection of surface waters in NM.

The SWQB Quality Assurance Officer (QA Officer) has reviewed the data and the supporting documentation, and determined most of the data collected in surface water does meet the quality assurance requirements for use in the development of the 2024-2026 IR. The data quality tables identified in Appendix A of the 2021 Comprehensive Assessment and Listing Methodology were used in combination with the 2021 SWQB Quality Assurance Project Plan for *Water Quality Management Programs* (SWQB QAPP) and associated SWQB Standard Operating Procedures (SOPs) to assess the quality level of the submitted data with respect to assessment to determine its suitability for assessment in the development of the IR. Specifically, the submitted documentation associated with each dataset was reviewed to determine: (1) if there was documentation of QA/QC procedures that, at a minimum, meet the QA/QC requirement described in the SWQB's most recent QAPP and SOPs; and (2) if there was reasonable evidence or assurance that these procedures were followed. The determination of data quality level with respect to IR assessment can be found on the next page. At this time due to SWQB resource constraints (i.e., vacancy staff level), the data determination will only address data results applicable to the IR and does not imply that other data are not useful for purposes other than the development of the IR.

Data Quality Level Determination

The water quality data submitted by Amigos Bravos collected in various locations in the Rio Hondo, Red River, Rio Fernando, and Rio Pueblo de Taos have been reviewed for consideration for development of the 2024-2026 IR. The data package included adequate supporting documentation to determine if the QA/QC requirements identified in the 2021 SWQB QAPP and associated SOPs were met. All instantaneous measurements collected with stream side meters have been assigned a Data Quality Level (DQL) of 2 and may be usable for purposes such as supporting data, screening, and planning to guide SWQB decision making in the future. Chemical data¹ applicable to the IR and analyzed by methods approved in the SWQB QAPP or 20.6.4.14 NMAC may be used for development of the IR and have been assigned a DQL of 3. Per – and polyfluoroalkyl (PFAS) results submitted by Amigos Bravos were not evaluated by the SWQB for development of the IR, however the SWQB will submit the PFAS results to NMED PFAS data screening committee for data quality evaluation. A more detailed description of DQLs with respect to assessment is in Appendix A of the SWQB's Comprehensive Assessment and Listing Methodology² (CALM). All external data considered for the development of the IR are subject to the criteria and requirements detailed in the CALM and 20.6.4 NMAC. Data and supporting quality assurance and quality control documents submitted by Amigos Bravos will be retained in project documents in accordance with applicable sections of New Mexico's Retention and Disposition of Public Records regulations, codified at 1.21.2 NMAC.

For additional information regarding the CALM or the IR, please contact Meredith Zeigler at meredith.zeigler@env.nm.gov or (505) 490-5866.

For information regarding the determination of the DQL, please contact me at miguel.montoya@env.nm.gov or (505) 819-9882

Acting QA Officer Review: _____

Date: _____

¹ For information regarding analytes included in chemical data, see the SWQB QAPP at <https://www.env.nm.gov/surface-water-quality/protocols-and-planning/>

² For information on SWQB assessment and listing methodology or data quality levels, see <https://www.env.nm.gov/surface-water-quality/calm/>



September 5, 2023

Jose Terrones
Anthony Water & Sanitation District
1155 N 4th St.
Anthony, NM 88021

Re: Quality Assurance Assessment for External Water Quality Data Submitted by Anthony Water & Sanitation District to the Surface Water Quality Bureau for the State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List for 2024-2026.

Dear Mr. Terrones:

The New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) solicited outside organizations to submit chemical, physical, biological, habitat and bacteriological (i.e., *E. coli*) data for all streams, rivers, lakes, and reservoirs in the state, acquired in the last five (5) years that could be considered subject to New Mexico's water quality standards published in 20.6.4 NMAC and incorporated into the development of the **State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List (IR) for 2024-2026**.

The NMED SWQB received Anthony Water & Sanitation District (AWSD) water quality dataset on August 15, 2023, for consideration in development of the **2024-2026 IR**. Data were collected in Rio Grande near Anthony, New Mexico (NM). The data were collected in 2021. The SWQB acknowledges the data were collected to monitor change in water quality for the protection of surface waters in NM.

The SWQB Quality Assurance Officer (QA Officer) has reviewed the data and the supporting documentation, and determined most of the data collected in surface water does meet the quality assurance requirements for use in the development of the 2024-2026 IR. The data quality tables identified in Appendix A of the 2021 Comprehensive Assessment and Listing Methodology were used in combination with the 2021 SWQB Quality Assurance Project Plan for *Water Quality Management Programs* (SWQB QAPP) and associated SWQB Standard Operating Procedures (SOPs) to assess the quality level of the submitted data with respect to assessment to determine its suitability for assessment in the development of the IR. Specifically, the submitted documentation associated with each dataset was reviewed to determine: (1) if there was documentation of QA/QC procedures that, at a minimum, meet the QA/QC requirement described in the SWQB's most recent QAPP and SOPs; and (2) if there was reasonable evidence or assurance that these procedures were followed. The determination of data quality level with respect to IR assessment can be found on the next page. At this time due to SWQB resource constraints (i.e., vacancy staff level), the data determination will only address data results applicable to the IR and does not imply that other data are not useful for purposes other than the development of the IR.

Data Quality Level Determination

The water quality data submitted by AWSD collected in the Rio Grande have been reviewed for consideration for development of the 2024-2026 IR. The data package included adequate supporting documentation to determine if the QA/QC requirements identified in the 2021 SWQB QAPP and associated SOPs were met. All instantaneous measurements (i.e., temperature and pH) collected with stream side meters have been assigned a Data Quality Level (DQL) of 2 and may be usable for purposes such as supporting data, screening, and planning to guide SWQB decision making in the future. Chemical data¹ applicable to the IR and analyzed by methods approved in the SWQB QAPP or 20.6.4.14 NMAC may be used for development of the IR and have been assigned a DQL of 3. A more detailed description of DQLs with respect to assessment is in Appendix A of the SWQB's Comprehensive Assessment and Listing Methodology² (CALM). All external data considered for the development of the IR are subject to the criteria and requirements detailed in the CALM and 20.6.4 NMAC. Data and supporting quality assurance and quality control documents submitted by AWSD will be retained in project documents in accordance with applicable sections of New Mexico's Retention and Disposition of Public Records regulations, codified at 1.21.2 NMAC.

For additional information regarding the CALM or the IR, please contact Meredith Zeigler at meredith.zeigler@env.nm.gov or (505) 490-5866.

For information regarding the determination of the DQL, please contact me at miguel.montoya@env.nm.gov or (505) 819-9882

Acting QA Officer Review: _____

Date: _____

1 For information regarding analytes included in chemical data, see the SWQB QAPP at <https://www.env.nm.gov/surface-water-quality/protocols-and-planning/>

2 For information on SWQB assessment and listing methodology or data quality levels, see <https://www.env.nm.gov/surface-water-quality/calm/>



September 5, 2023

Amanda Lindell
Bosque Ecosystem Monitoring Program
MSC03 2020 / Castetter Hall Room 184
1 University of New Mexico
Albuquerque, NM 87131

Re: Quality Assurance Assessment for External Water Quality Data Submitted by Bosque Ecosystem Monitoring Program to the Surface Water Quality Bureau for the State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List for 2024-2026.

Dear Ms. Lindel:

The New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) solicited outside organizations to submit chemical, physical, biological, habitat and bacteriological (i.e., *E. coli*) data for all streams, rivers, lakes, and reservoirs in the state, acquired in the last five (5) years that could be considered subject to New Mexico's water quality standards published in 20.6.4 NMAC and incorporated into the development of the **State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List (IR) for 2024-2026**.

The NMED SWQB received Bosque Ecosystem Monitoring Program (BEMP) water quality dataset on September 28, 2021, for consideration in development of the **2024-2026 IR**. Data were collected in various stream locations on the Rio Grande near Albuquerque, New Mexico (NM). The data's temporal coverage is 2017 through 2020. The SWQB acknowledges the data were collected to monitor change in water quality for the protection of surface waters in NM.

The SWQB Quality Assurance Officer (QA Officer) has reviewed the data and the supporting documentation, and determined the data collected in surface water **does not** meet the quality assurance requirements for use in the development of the 2024-2026 IR. The data quality tables identified in Appendix A of the 2021 Comprehensive Assessment and Listing Methodology were used in combination with the 2021 SWQB Quality Assurance Project Plan for *Water Quality Management Programs* (SWQB QAPP) and associated SWQB Standard Operating Procedures (SOPs) to assess the quality level of the submitted data with respect to assessment to determine its suitability for assessment in the development of the IR. Specifically, the submitted documentation associated with each dataset was reviewed to determine: (1) if there was documentation of QA/QC procedures that, at a minimum, meet the QA/QC requirement described in the SWQB's most recent QAPP and SOPs; and (2) if there was reasonable evidence or assurance that these procedures were followed. The determination of data quality level with respect to IR assessment can be found on the next page. At this time due to SWQB resource constraints (i.e., vacancy staff level), the data determination will only address data results applicable to the IR and does not imply that other data are not useful for purposes other than the development of the IR.

Data Quality Level Determination

The water quality data submitted by BEMP collected in the Rio Grande have been reviewed for consideration for development of the 2024-2026 IR. The data package did not include adequate supporting documentation to determine if the QA/QC requirements identified in the 2021 SWQB QAPP and associated SOPs were met. All data results have been assigned a Data Quality Level (DQL) of 2 and may be usable for purposes such as supporting data, screening, and planning to guide SWQB decision making in the future. A more detailed description of DQLs with respect to assessment is in Appendix A of the SWQB's Comprehensive Assessment and Listing Methodology¹ (CALM). All external data considered for the development of the IR are subject to the criteria and requirements detailed in the CALM and 20.6.4 NMAC. Data and supporting quality assurance and quality control documents submitted by BEMP will be retained in project documents in accordance with applicable sections of New Mexico's Retention and Disposition of Public Records regulations, codified at 1.21.2 NMAC.

For additional information regarding the CALM or the IR, please contact Meredith Zeigler at meredith.zeigler@env.nm.gov or (505) 490-5866.

For information regarding the determination of the DQL, please contact me at miguel.montoya@env.nm.gov or (505) 819-9882

Acting QA Officer Review: _____

Date: _____

¹ For information on SWQB assessment and listing methodology or data quality levels, see <https://www.env.nm.gov/surface-water-quality/calm/>



MICHELLE LUJAN GRISHAM
GOVERNOR

JAMES C. KENNEY
CABINET SECRETARY

September 6, 2023

Meredith Zeigler
Assessment Coordinator
Surface Water Quality Bureau
New Mexico Environment Department

Re: Quality Assurance Assessment for External Water Quality Data collected by Bureau of Land Management Taos Field Office for Development of the of the New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List for 2024-2026.

Dear Mrs. Zeigler:

The New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) solicited outside organizations to submit chemical, physical, biological, habitat and bacteriological (i.e., *E. coli*) data for all streams, rivers, lakes, and reservoirs in the state, acquired in the last five (5) years that could be considered subject to New Mexico's water quality standards published in 20.6.4 NMAC and incorporated into the development of the **State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List (IR) for 2024-2026**.

The NMED SWQB received surface water quality data on May 26, 2023, from Sage Dunn, Fisheries and Aquatic Habitat Management Biologist for Bureau of Land Management (BLM). The data has been submitted for consideration in development of the **2024-2026 IR**. The SWQB acknowledges the data were collected to monitor change in water quality for the protection of surface waters in NM.

The SWQB Quality Assurance Officer (QA Officer) has reviewed the data and the supporting documentation, and determined the data collected in surface water does not meet the quality assurance requirements for use in the development of the 2024-2026 IR. The data quality tables identified in Appendix A of the 2021 Comprehensive Assessment and Listing Methodology were used in combination with the 2021 SWQB Quality Assurance Project Plan for *Water Quality Management Programs* (SWQB QAPP) and associated SWQB Standard Operating Procedures (SOPs) to assess the quality level of the submitted data with respect to assessment to determine its suitability for assessment in the development of the IR. Specifically, the submitted documentation associated with each dataset was reviewed to determine: (1) if there was documentation of QA/QC procedures that, at a minimum, meet the QA/QC requirement described in the SWQB's most recent QAPP and SOPs; and (2) if there was reasonable evidence or assurance that these procedures were followed. The determination of data quality level with respect to IR assessment can be found on the next page. At this time due to SWQB resource constraints (i.e., vacancy staff level), the data determination will only address data results applicable to the IR and does not imply that other data are not useful for purposes other than the development of the IR.

Data Quality Level Determination

The water quality data collected in various stream locations in New Mexico submitted by Sage Dunn of BLM have been reviewed for consideration for development of the 2024-2026 IR. The data package included adequate supporting documentation to determine if the QA/QC requirements identified in the 2021 SWQB QAPP and associated SOPs were met. All measurements collected have been assigned a Data Quality Level (DQL) of 2 and may be usable for purposes such as supporting data, screening, and planning to guide SWQB decision making in the future. A more detailed description of DQLs with respect to assessment is in Appendix A of the SWQB's Comprehensive Assessment and Listing Methodology¹ (CALM). All external data considered for the development of the IR are subject to the criteria and requirements detailed in the CALM and 20.6.4 NMAC. Data and supporting quality assurance and quality control documents submitted by BLM will be retained in project documents in accordance with applicable sections of New Mexico's Retention and Disposition of Public Records regulations, codified at 1.21.2 NMAC.

For information regarding the determination of the DQL, please contact me at miguel.montoya@env.nm.gov or (505) 819-9882

Acting QA Officer Review: _____

Date: _____

¹ For information on SWQB assessment and listing methodology or data quality levels, see <https://www.env.nm.gov/surface-water-quality/calm/>



September 6, 2023

Meredith Zeigler
Assessment Coordinator
Surface Water Quality Bureau
New Mexico Environment Department

Re: Quality Assurance Assessment for External Water Quality Data Submitted by Cimarron Watershed Alliance to the Surface Water Quality Bureau for the State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List for 2024-2026.

Dear Mrs. Zeigler:

The New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) solicited outside organizations to submit chemical, physical, biological, habitat and bacteriological (i.e., *E. coli*) data for all streams, rivers, lakes, and reservoirs in the state, acquired in the last five (5) years that could be considered subject to New Mexico's water quality standards published in 20.6.4 NMAC and incorporated into the development of the **State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List (IR) for 2024-2026**.

The NMED SWQB received water quality data from Cimarron Watershed Alliance (CWA) on approximately June 16, 2022, for development of the **2024-2026 IR**. The SWQB recognizes the data was collected by the Cimarron Watershed Alliance at various locations in North Ponil Creek. The SWQB acknowledges the data were collected under a sub-grant agreement with the NMED SWQB for a Clean Water Act Section 319 project. The SWQB may assess data from monitoring locations that meet the definition of surface waters of the state in 20.6.4.7 NMAC and all applicable quality assurance requirements.

The SWQB Quality Assurance Officer (QA Officer) has reviewed the data and the supporting documentation, and determined most of the data collected in surface water does meet the quality assurance requirements for use in the development of the 2024-2026 IR. The data quality tables identified in Appendix A of the 2021 Comprehensive Assessment and Listing Methodology were used in combination with the 2021 SWQB Quality Assurance Project Plan for *Water Quality Management Programs* (SWQB QAPP) and associated SWQB Standard Operating Procedures (SOPs) to assess the quality level of the submitted data with respect to assessment to determine its suitability for assessment in the development of the IR. Specifically, the submitted documentation associated with each dataset was reviewed to determine: (1) if there was documentation of QA/QC procedures that, at a minimum, meet the QA/QC requirement described in the SWQB's most recent QAPP and SOPs; and (2) if there was reasonable evidence or assurance that these procedures were followed. The determination of data quality level with respect to IR assessment can be found on the next page. At this time due to SWQB resource constraints (i.e., vacancy staff level), the data determination will only address data results applicable to the IR and does not imply that other data are not useful for purposes other than the development of the IR.

Data Quality Level Determination

The surface water quality data collected by CWA in various locations in North Ponil Creek have been reviewed for consideration for development of the 2024-2026 IR. The data package included adequate supporting documentation to determine if the QA/QC requirements identified in the 2021 SWQB QAPP and associated SOPs were met. All instantaneous measurements collected with stream side meters have been assigned a Data Quality Level (DQL) of 2 and may be usable for purposes such as supporting data, screening, and planning to guide SWQB decision making in the future. Chemical data¹ applicable to the IR and analyzed by methods approved in the SWQB QAPP or 20.6.4.14 NMAC may be used for development of the IR and have been assigned a DQL of 3. A more detailed description of DQLs with respect to assessment is in Appendix A of the SWQB's Comprehensive Assessment and Listing Methodology² (CALM). All external data considered for the development of the IR are subject to the criteria and requirements detailed in the CALM and 20.6.4 NMAC. Data and supporting quality assurance and quality control documents submitted by CWA will be retained in project documents in accordance with applicable sections of New Mexico's Retention and Disposition of Public Records regulations, codified at 1.21.2 NMAC.

For information regarding the determination of the DQL, please contact me at miguel.montoya@env.nm.gov or (505) 819-9882

Acting QA Officer Review: _____

Date: _____

1 For information regarding analytes included in chemical data, see the SWQB QAPP at <https://www.env.nm.gov/surface-water-quality/protocols-and-planning/>

2 For information on SWQB assessment and listing methodology or data quality levels, see <https://www.env.nm.gov/surface-water-quality/calm/>



MICHELLE LUJAN GRISHAM
GOVERNOR

JAMES C. KENNEY
CABINET SECRETARY

September 6, 2023

Meredith Zeigler
Assessment Coordinator
Surface Water Quality Bureau
New Mexico Environment Department

Re: Quality Assurance Assessment for External Water Quality Data collected by Los Alamos National Laboratory for Development of the of the New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List for 2024-2026.

Dear Mrs. Zeigler:

The New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) solicited outside organizations to submit chemical, physical, biological, habitat and bacteriological (i.e., *E. coli*) data for all streams, rivers, lakes, and reservoirs in the state, acquired in the last five (5) years that could be considered subject to New Mexico's water quality standards published in 20.6.4 NMAC and incorporated into the development of the **State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List (IR) for 2024-2026**.

The NMED SWQB Assessment Coordinator downloaded data from Intellus New Mexico database for consideration in development of the **2024-2026 IR**. The SWQB recognizes that the water quality data were collected at various locations on the Pajarito Plateau and in the Rio Grande adjacent and downstream from the Los Alamos National Laboratory (LANL). The SWQB cannot assess data from monitoring sites located within tribal jurisdiction or other waters that do not meet the definition of surface waters of the state in 20.6.4.7 NMAC.

The SWQB Quality Assurance Officer (QA Officer) has reviewed the data and the supporting documentation, and determined the data collected in surface water does meet the quality assurance requirements for use in the development of the 2024-2026 IR. The data quality tables identified in Appendix A of the 2021 Comprehensive Assessment and Listing Methodology were used in combination with the 2021 SWQB Quality Assurance Project Plan for *Water Quality Management Programs* (SWQB QAPP) and associated SWQB Standard Operating Procedures (SOPs) to assess the quality level of the submitted data with respect to assessment to determine its suitability for assessment in the development of the IR. Specifically, the submitted documentation associated with each dataset was reviewed to determine: (1) if there was documentation of QA/QC procedures that, at a minimum, meet the QA/QC requirement described in the SWQB's most recent QAPP and SOPs; and (2) if there was reasonable evidence or assurance that these procedures were followed. The determination of data quality level with respect to IR assessment can be found on the next page. At this time due to SWQB resource constraints (i.e., vacancy staff level), the data determination will only address data results applicable to the IR and does not imply that other data are not useful for purposes other than the development of the IR.

Data Quality Level Determination

The water quality data collected on the Pajarito Plateau and in the Rio Grande adjacent and downstream from LANL have been reviewed for consideration for development of the 2024-2026 IR. The data package included adequate supporting documentation to determine if the QA/QC requirements identified in the 2021 SWQB QAPP and associated SOPs were met. Chemical data¹ applicable to the IR and analyzed by methods approved in the SWQB QAPP or 20.6.4.14 NMAC may be used for development of the IR and have been assigned a DQL of 3. A more detailed description of DQLs with respect to assessment is in Appendix A of the SWQB's Comprehensive Assessment and Listing Methodology² (CALM). All external data considered for the development of the IR are subject to the criteria and requirements detailed in the CALM and 20.6.4 NMAC. Data and supporting quality assurance and quality control documents submitted by BLM will be retained in project documents in accordance with applicable sections of New Mexico's Retention and Disposition of Public Records regulations, codified at 1.21.2 NMAC.

For information regarding the determination of the DQL, please contact me at miguel.montoya@env.nm.gov or (505) 819-9882

Acting QA Officer Review: _____

Date: _____

1 For information regarding analytes included in chemical data, see the SWQB QAPP at <https://www.env.nm.gov/surface-water-quality/protocols-and-planning/>

2 For information on SWQB assessment and listing methodology or data quality levels, see <https://www.env.nm.gov/surface-water-quality/calm/>



October 10, 2023

Alissa Richmond
San Juan Soil and Water Conservation District
301 McWilliams Rd
Aztec, NM 87410-1620

Re: Quality Assurance Assessment for Water Quality Data Submitted by San Juan Soil and Water Conservation District to the Surface Water Quality Bureau for the State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List for 2024-2026.

Dear Ms. Richmond:

The New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) solicited outside organizations to submit chemical, physical, biological, habitat and bacteriological (i.e., *E. coli*) data for all streams, rivers, lakes, and reservoirs in the state, acquired in the last five (5) years that could be considered subject to New Mexico's water quality standards published in 20.6.4 NMAC and incorporated into the development of the **State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List (IR) for 2024-2026**.

The NMED SWQB received San Juan Soil & Water Conservation District (SJSWCD) water quality data on June 10, 2022, for consideration in development of the **2024-2026 IR**. The SWQB recognizes the data were collected at various locations in the San Juan Watershed in 2021. The SWQB acknowledges the data were collected under sub-grant agreements and contacts with the NMED SWQB for Clean Water Act Section 604(b). The SWQB will only assess data from monitoring locations that meet the definition of surface waters of the state in 20.6.4.7 NMAC.

The SWQB Quality Assurance Officer (QA Officer) has reviewed the data and the supporting documentation, and determined the data collected in surface water does meet the quality assurance requirements for use in the development of the 2024-2026 IR. The data quality tables identified in Appendix A of the 2021 Comprehensive Assessment and Listing Methodology were used in combination with the 2021 SWQB Quality Assurance Project Plan for *Water Quality Management Programs* (SWQB QAPP) and associated SWQB Standard Operating Procedures (SOPs) to assess the quality level of the submitted data with respect to assessment to determine its suitability for assessment in the development of the IR. Specifically, the submitted documentation associated with each dataset was reviewed to determine: (1) if there was documentation of QA/QC procedures that, at a minimum, meet the QA/QC requirement described in the SWQB's most recent QAPP and SOPs; and (2) if there was reasonable evidence or assurance that these procedures were followed. The determination of data quality level with respect to IR assessment can be found on the next page. At this time due to SWQB resource constraints (i.e., vacancy staff level), the data determination will only address data results applicable to the IR and does not imply that other data are not useful for purposes other than the development of the IR.

Data Quality Level Determination

The water quality data submitted by SJSWCD has been reviewed for consideration for development of the 2024-2026 IR. The data package included adequate supporting documentation to determine if the QA/QC requirements identified in the 2021 SWQB QAPP and associated SOPs were met. The data package consisted of *Escherichia coli* (*E. coli*) results collected in various location in the San Juan watershed. The *E. coli* data may be used for development of the IR and have been assigned a DQL of 3. A more detailed description of DQLs with respect to assessment is in Appendix A of the SWQB's Comprehensive Assessment and Listing Methodology¹ (CALM). All data considered for the development of the IR are subject to the criteria and requirements detailed in the CALM and 20.6.4 NMAC. Data and supporting quality assurance and quality control documents submitted by SJSWCD will be retained in project documents in accordance with applicable sections of New Mexico's Retention and Disposition of Public Records regulations, codified at 1.21.2 NMAC.

For additional information regarding the CALM or the IR, please contact Meredith Zeigler at meredith.zeigler@env.nm.gov or (505) 490-5866.

For information regarding the determination of the DQL, please contact me at miguel.montoya@env.nm.gov or (505) 819-9882

Acting QA Officer Review: _____

¹ For information on SWQB assessment and listing methodology or data quality levels, see <https://www.env.nm.gov/surface-water-quality/calm/>



MICHELLE LUJAN GRISHAM
GOVERNOR

JAMES C. KENNEY
CABINET SECRETARY

September 5, 2023

Beth Cable
Silver City Watershed Keepers
305 A North Cooper St.
Silver City, NM 88061

Re: Quality Assurance Assessment for External Water Quality Data Submitted by Silver City Watershed Keepers to the Surface Water Quality Bureau for the State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List for 2024-2026.

Dear Ms. Cable:

The New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) solicited outside organizations to submit chemical, physical, biological, habitat and bacteriological (i.e., *E. coli*) data for all streams, rivers, lakes, and reservoirs in the state, acquired in the last five (5) years that could be considered subject to New Mexico's water quality standards published in 20.6.4 NMAC and incorporated into the development of the **State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List (IR) for 2024-2026**.

The NMED SWQB received Silver City Watershed Keepers (SCWK) water quality dataset on July 26, 2023, for consideration in development of the **2024-2026 IR**. Data were collected in San Vicente Creek, Silver City, New Mexico (NM). The data's temporal coverage is 2022 through 2023. The SWQB acknowledges the data were collected to monitor change in water quality for the protection of surface waters in NM.

The SWQB Quality Assurance Officer (QA Officer) has reviewed the data and the supporting documentation, and determined most of the data collected in surface water does meet the quality assurance requirements for use in the development of the 2024-2026 IR. The data quality tables identified in Appendix A of the 2021 Comprehensive Assessment and Listing Methodology were used in combination with the 2021 SWQB Quality Assurance Project Plan for *Water Quality Management Programs* (SWQB QAPP) and associated SWQB Standard Operating Procedures (SOPs) to assess the quality level of the submitted data with respect to assessment to determine its suitability for assessment in the development of the IR. Specifically, the submitted documentation associated with each dataset was reviewed to determine: (1) if there was documentation of QA/QC procedures that, at a minimum, meet the QA/QC requirement described in the SWQB's most recent QAPP and SOPs; and (2) if there was reasonable evidence or assurance that these procedures were followed. The determination of data quality level with respect to IR assessment can be found on the next page. At this time due to SWQB resource constraints (i.e., vacancy staff level), the data determination will only address data results applicable to the IR and does not imply that other data are not useful for purposes other than the development of the IR.

Data Quality Level Determination

The water quality data submitted by SCWK collected in San Vicente Creek have been reviewed for consideration for development of the 2024-2026 IR. The data package included adequate supporting documentation to determine if the QA/QC requirements identified in the 2021 SWQB QAPP and associated SOPs were met. All instantaneous measurements collected with stream side meters have been assigned a Data Quality Level (DQL) of 2 and may be usable for purposes such as supporting data, screening, and planning to guide SWQB decision making in the future. Chemical data¹ (e.g., *Escherichia coli*) applicable to the IR and analyzed by methods approved in the SWQB QAPP or 20.6.4.14 NMAC may be used for development of the IR and have been assigned a DQL of 3. A more detailed description of DQLs with respect to assessment is in Appendix A of the SWQB's Comprehensive Assessment and Listing Methodology² (CALM). All external data considered for the development of the IR are subject to the criteria and requirements detailed in the CALM and 20.6.4 NMAC. Data and supporting quality assurance and quality control documents submitted by SCWK will be retained in project documents in accordance with applicable sections of New Mexico's Retention and Disposition of Public Records regulations, codified at 1.21.2 NMAC.

For additional information regarding the CALM or the IR, please contact Meredith Zeigler at meredith.zeigler@env.nm.gov or (505) 490-5866.

For information regarding the determination of the DQL, please contact me at miguel.montoya@env.nm.gov or (505) 819-9882

Acting QA Officer Review: _____

Date: _____

¹ For information regarding analytes included in chemical data, see the SWQB QAPP at <https://www.env.nm.gov/surface-water-quality/protocols-and-planning/>

² For information on SWQB assessment and listing methodology or data quality levels, see <https://www.env.nm.gov/surface-water-quality/calm/>



MICHELLE LUJAN GRISHAM
GOVERNOR

JAMES C. KENNEY
CABINET SECRETARY

September 6, 2023

Meredith Zeigler
Assessment Coordinator
Surface Water Quality Bureau
New Mexico Environment Department

Re: Quality Assurance Assessment for External Water Quality Data Submitted by Trout Unlimited to the Surface Water Quality Bureau for the State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List for 2024-2026.

Dear Mrs. Zeigler:

The New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) solicited outside organizations to submit chemical, physical, biological, habitat and bacteriological (i.e., *E. coli*) data for all streams, rivers, lakes, and reservoirs in the state, acquired in the last five (5) years that could be considered subject to New Mexico's water quality standards published in 20.6.4 NMAC and incorporated into the development of the **State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List (IR) for 2024-2026**.

The NMED SWQB received water quality data collected by Trout Unlimited on approximately August 22, 2023, for development of the **2024-2026 IR**. The SWQB recognizes the data was collected by the Trout Unlimited at various locations in Chihuahueros Creek. The SWQB acknowledges the data were collected under a sub-grant agreement with the NMED SWQB for the River Stewardship Program. The SWQB may assess data from monitoring locations that meet the definition of surface waters of the state in 20.6.4.7 NMAC.

The SWQB Quality Assurance Officer (QA Officer) has reviewed the data and the supporting documentation, and determined the data collected in surface water **does not** meet the quality assurance requirements for use in the development of the 2024-2026 IR. The data quality tables identified in Appendix A of the 2021 Comprehensive Assessment and Listing Methodology were used in combination with the 2021 SWQB Quality Assurance Project Plan for *Water Quality Management Programs* (SWQB QAPP) and associated SWQB Standard Operating Procedures (SOPs) to assess the quality level of the submitted data with respect to assessment to determine its suitability for assessment in the development of the IR. Specifically, the submitted documentation associated with each dataset was reviewed to determine: (1) if there was documentation of QA/QC procedures that, at a minimum, meet the QA/QC requirement described in the SWQB's most recent QAPP and SOPs; and (2) if there was reasonable evidence or assurance that these procedures were followed. The determination of data quality level with respect to IR assessment can be found on the next page. At this time due to SWQB resource constraints (i.e., vacancy staff level), the data determination will only address data results applicable to the IR and does not imply that other data are not useful for purposes other than the development of the IR.

Data Quality Level Determination

The water quality data collected by Trout Unlimited have been reviewed for consideration for development of the 2024-2026 IR. The data package did not include adequate supporting documentation to determine if the QA/QC requirements identified in the 2021 SWQB QAPP and associated SOPs were met. All data have been assigned a Data Quality Level (DQL) of 2 and may be usable for purposes such as supporting data, screening, and planning to guide SWQB decision making in the future. A more detailed description of DQLs with respect to assessment is in Appendix A of the SWQB's Comprehensive Assessment and Listing Methodology¹ (CALM). All external data considered for the development of the IR are subject to the criteria and requirements detailed in the CALM and 20.6.4 NMAC. Data and supporting quality assurance and quality control documents submitted by Trout Unlimited will be retained in project documents in accordance with applicable sections of New Mexico's Retention and Disposition of Public Records regulations, codified at 1.21.2 NMAC.

For information regarding the determination of the DQL, please contact me at miguel.montoya@env.nm.gov or (505) 819-9882

Acting QA Officer Review: _____

Date: _____

¹ For information on SWQB assessment and listing methodology or data quality levels, see <https://www.env.nm.gov/surface-water-quality/calm/>



September 6, 2023

Devin Kennemore
Pathfinder Environmental, LLC
1800 Old Pecos trail, Suite E,
Santa Fe, New Mexico 8755

Re: Quality Assurance Assessment for External Water Quality Data Submitted by Upper Pecos Watershed Association & Pathfinder Environmental, LLC to the Surface Water Quality Bureau for the State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List for 2024-2026.

Dear Mr. Kennemore:

The New Mexico Environment Department (NMED) Surface Water Quality Bureau (SWQB) solicited outside organizations to submit chemical, physical, biological, habitat and bacteriological (i.e., *E. coli*) data for all streams, rivers, lakes, and reservoirs in the state, acquired in the last five (5) years that could be considered subject to New Mexico's water quality standards published in 20.6.4 NMAC and incorporated into the development of the **State of New Mexico's Clean Water Act (CWA) §303(d) / §305(b) Integrated Report and List (IR) for 2024-2026**.

The NMED SWQB received Upper Pecos Watershed Association and Pathfinder Environmental, LLC water quality data on August 31, 2023, for consideration in development of the **2024-2026 IR**. The SWQB recognizes the data were collected at various locations in the Pecos River and Cow Creek. The data were collected in 2022. The SWQB acknowledges the data were collected under sub-grant agreements and contacts with the NMED SWQB for Clean Water Act Section 319. The SWQB will only assess data from monitoring locations that meet the definition of surface waters of the state in 20.6.4.7 NMAC.

The SWQB Quality Assurance Officer (QA Officer) has reviewed the data and the supporting documentation, and determined the data collected in surface water does meet the quality assurance requirements for use in the development of the 2024-2026 IR. The data quality tables identified in Appendix A of the 2021 Comprehensive Assessment and Listing Methodology were used in combination with the 2021 SWQB Quality Assurance Project Plan for *Water Quality Management Programs* (SWQB QAPP) and associated SWQB Standard Operating Procedures (SOPs) to assess the quality level of the submitted data with respect to assessment to determine its suitability for assessment in the development of the IR. Specifically, the submitted documentation associated with each dataset was reviewed to determine: (1) if there was documentation of QA/QC procedures that, at a minimum, meet the QA/QC requirement described in the SWQB's most recent QAPP and SOPs; and (2) if there was reasonable evidence or assurance that these procedures were followed. The determination of data quality level with respect to IR assessment can be found on the next page. At this time due to SWQB resource constraints (i.e., vacancy staff level), the data determination will only address data results applicable to the IR and does not imply that other data are not useful for purposes other than the development of the IR.

Data Quality Level Determination

The water quality data submitted by Upper Pecos Watershed Association and Pathfinder Environmental, LLC have been reviewed for consideration for development of the 2024-2026 IR. The data package included adequate supporting documentation to determine if the QA/QC requirements identified in the 2021 SWQB QAPP and associated SOPs were met. The data package consisted of stream temperature results collected by data loggers in the Pecos River and Cow Creek. The stream temperature data may be used for development of the IR and have been assigned a DQL of 3. A more detailed description of DQLs with respect to assessment is in Appendix A of the SWQB's Comprehensive Assessment and Listing Methodology¹ (CALM). All external data considered for the development of the IR are subject to the criteria and requirements detailed in the CALM and 20.6.4 NMAC. Data and supporting quality assurance and quality control documents submitted by Upper Pecos Watershed Association and Pathfinder Environmental, LLC will be retained in project documents in accordance with applicable sections of New Mexico's Retention and Disposition of Public Records regulations, codified at 1.21.2 NMAC.

For additional information regarding the CALM or the IR, please contact Meredith Zeigler at meredith.zeigler@env.nm.gov or (505) 490-5866.

For information regarding the determination of the DQL, please contact me at miguel.montoya@env.nm.gov or (505) 819-9882

Acting QA Officer Review: _____

Date: _____

¹ For information on SWQB assessment and listing methodology or data quality levels, see <https://www.env.nm.gov/surface-water-quality/calm/>