



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

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SEP 23 2016

Mr. Butch Tongate, Cabinet Secretary  
New Mexico Environment Department  
P.O. Box 5469  
Santa Fe, New Mexico 87502-5469

Re: EPA Action on New Mexico 2016-2018 Section 303(d) List

Dear Mr. Tongate:

Thank you for your submission of the *2016-2018 State of New Mexico Clean Water Act Section 303(d)/Section 305(b) Integrated Report*, which contains New Mexico's 303(d) list of water quality limited segments (henceforth "2016 Section 303(d) list"). The U.S. Environmental Protection Agency received the New Mexico Environment Department's submission on June 29, 2016.

EPA has reviewed the submission and supporting documentation, and determined that the 2016 Section 303(d) list meets the requirements of the Clean Water Act and EPA's implementing regulations. By this action, EPA approves the state's decisions regarding 427 causes of impairment for 255 segments identified in the 2016 Section 303(d) list and the associated priority rankings for development of total maximum daily loads (TMDLs). A detailed discussion of EPA's action is included in the record of decision enclosed with this letter. Also enclosed with this letter is a list of the waterbodies and pollutants for which EPA is taking action.

NMED's 303(d) program has expended considerable effort to monitor the state's waters, and to assess environmental and water quality data to determine if state water quality standards are being attained. NMED staff responded quickly to requests for additional information and were very helpful in assisting EPA Region 6 staff. Their knowledge of the program and dedication to protection of the water of New Mexico is to be commended. EPA Region 6 looks forward to continuing to work closely with NMED on future 303(d) lists and other program activities.

Thank you again for your efforts in developing New Mexico's 2016 section 303(d) list. If you have any questions, please contact me at (214) 665-7101 or Richard Wooster, Assessment, Listing & TMDL Section Chief at (214) 665-6473.

Sincerely,

A handwritten signature in blue ink that reads "W.K. Honker".

William K. Honker, P.E.  
Director  
Water Division

Enclosures: Decision Document for the State of New Mexico 2016 § 303(d) List  
List of segment-pollutant pairs

cc: Shelly Lemon, Acting Surface Water Quality Bureau Chief  
Meghan Bell, Acting Assessment & TMDL Team Leader  
Lynette Guevara, Assessment & TMDL Team



## **Enclosure 1**: Decision Document for the State of New Mexico 2016 § 303(d) List

### **Executive Summary of the Action**

EPA approved the State of New Mexico 2016 § 303(d) List. EPA reviewed the State of New Mexico 2016 § 303(d) List, and concluded the State developed its § 303(d) list in compliance with § 303(d) of the Clean Water Act (“the Act”) and 40 CFR 130.7. EPA determined that the State of New Mexico 2016 § 303(d) List includes all waters that meet § 303(d) listing requirements.

### **Abbreviations**

CALM - Consolidated Assessment and Listing Methodology

CFR - Code of Federal Regulations

CPP - Continuing Planning Process

CWA - Clean Water Act or (Act)

EPA - Environmental Protection Agency

NMED - New Mexico Environment Department

NMDA - New Mexico Department of Agriculture

SWQB - Surface Water Quality Bureau

TMDL - Total Maximum Daily Load

WQLS - Water Quality Limited Segments

WQMP - Water Quality Management Plan

### **A Purpose**

The purpose of this review document is to describe the rationale for EPA's approval of the State of New Mexico 2016 § 303(d) List of water quality limited segments (WQLS) requiring total maximum daily loads (TMDLs). The following sections identify those key elements to be included in the list submittal based on the Clean Water Act and EPA regulations. See 40 CFR § 130.7. EPA reviewed the methodology used by New Mexico in developing the § 303(d) list and the description of the data and information the state considered. EPA's review of the State of New Mexico 2016 § 303(d) List was based on whether the state considered existing and readily available water quality related data and information and reasonably identified waters required to be listed.

### **B Statutory and Regulatory Background**

#### **B.1 Identification of WQLSs for Inclusion on Section 303(d) List**

Section 303(d)(1)(A) of the Act directs:

*“Each State shall identify those waters within its boundary for which effluent limitations required by § 301(b)(1)(A) and (B) are not stringent enough to implement any water quality standard applicable to such waters.”*

The § 303(d) listing requirements apply to waters impaired by point and/or nonpoint source pollutants. EPA regulations at 40 CFR § 130.7(b)(1) require:

*“Each State shall identify those water quality-limited segments still requiring TMDLs within its boundaries for which: (i) Technology-based effluent limitations required by sections 301(b), 306, 307, or other sections of the Act; (ii) More stringent effluent limitations (including prohibitions) required by either State or local authority preserved by section 510 of the Act, or Federal authority (law, regulation, or treaty); and (iii) Other pollution control requirements (e.g., best management practices) required by local, State, or Federal authority are not stringent enough to implement any water quality standards (WQS) applicable to such waters.”*

Section 303(d)(1)(B) of the Act directs:

*“Each State shall identify those waters or parts thereof within its boundaries for which controls on thermal discharges under section 301 are not stringent enough to assure protection and propagation of a balanced indigenous population of shellfish, fish, and wildlife.”*

EPA regulations at 40 CFR § 130.7(b)(2) require:

*“Each State shall also identify on the same list developed under paragraph (b)(1) of this section those water quality-limited segments still requiring TMDLs or parts thereof within its boundaries for which controls on thermal discharges under section 301 or State or local requirements are not stringent enough to assure protection and propagation of a balanced indigenous population of shellfish, fish and wildlife.”*

EPA regulations at 40 CFR § 130.7(b)(4) require:

*“The list required under §§ 130.7(b)(1) and 130.7(b)(2) of this section shall include a priority ranking/or all listed water quality-limited segments still requiring TMDLs, taking into account the severity of the pollution and the uses to be made of such waters and shall identify the pollutants causing or expected to cause violations of the applicable water quality standards.”*

EPA regulations at 40 CFR § 130.7(b)(6) require:

*“Each State shall provide documentation to the Regional Administrator to support the State's determination to list or not list its waters as required by §§ 130.7(b)(1) and 130.7(b)(2). This documentation shall include as a minimum: (i) A description of the methodology used to develop the list;”*

EPA regulations at 40 CFR § 130.7(d)(2) require:

*“The Regional Administrator shall either approve or disapprove such listing and loadings not later than 30 days after the date of submission. The Regional Administrator shall approve a list developed under § 130.7(b) that is submitted after the effective date of this rule only if it meets the requirements of § 130.7(b). If the Regional Administrator approves such listing and loadings, the State shall incorporate them into its current WQM plan. If the Regional Administrator disapproves such listing and loadings, he shall, not later than 30 days after the date of such disapproval, identify such waters in such State and establish such loads for such waters as determined necessary to implement applicable WQS. The Regional Administrator shall promptly issue a public notice seeking comment on such listing and loadings. After considering public comment and making any revisions he deems appropriate, the Regional Administrator shall transmit the list and loads to the State, which shall incorporate them into its current WQM plan.”*

## **B.2 Consideration of Existing and Readily Available Water Quality-Related Data and Information**

EPA regulations at 40 CFR § 130.7(b)(5) require:

*“Each State shall assemble and evaluate all existing and readily available water quality-related data and information to develop the list required by §§ 130.7(b)(1) and 130.7(b)(2). At a minimum ‘all existing and readily available water quality-related data and information’ includes but is not limited to all of the existing and readily available water quality-related data and information about the following categories of waters: (i) Waters identified by the State in its most recent section 305(b) report as ‘partially meeting’ or ‘not meeting’ designated uses or as ‘threatened’; (ii) Waters for which dilution calculations or predictive models indicate nonattainment of applicable water quality standards; (iii) Waters for which water quality problems have been reported by local, state, or federal agencies; members of the public ; or federal agencies; or academic institutions. These organizations and groups should be actively solicited for research they may be conducting or reporting. For example, university researchers, the United States Department of Agriculture, the National Oceanic and Atmospheric Administration, the United States Geological Survey, and the United States Fish and Wildlife Service are good sources of field data; and (iv) Waters identified by the State as impaired or threatened in a nonpoint assessment submitted to EPA under section 319 of the CWA or in any updates to the assessment.”*

EPA's 1991 Guidance for Water Quality-Based Decisions describes categories of water quality-related data and information that may be existing and readily available. (henceforth “EPA's 1991 Guidance”) (USEPA 1991).

EPA regulations at 40 CFR § 130.7(b)(6) require:

*“Each State shall provide documentation to the Regional Administrator to support the State's determination to list or not list its waters as required by §§ 130.7(b)(1) and 130.7(b)(2). This documentation shall include as a minimum:”*

Subsection (i) is omitted at this point since it was cited under Section B.2 of this document. The content of subsection (i) is reviewed in connection with identification of water quality limited segments.

Continuing with subsection (ii):

*“A description of the data and information used to identify waters, including a description of the data and information used by the State as required by § 130.7(b)(5); and (iii) A rationale for any decision to not use any existing and readily available data and information for any one of the categories of waters as described in § 130(b)(5); and (iv) Any other reasonable information requested by the Regional Administrator. Upon request by the Regional Administrator, each State must demonstrate good cause for not including a water or waters on the list. Good cause includes, but is not limited to, more recent or accurate data; more sophisticated water quality modeling; flaws in the original analysis that led to the water being listed in the categories in § 130.7(b)(5); or changes in conditions, e.g., new control equipment, or elimination of discharges.”*

While the states are required to evaluate all existing and readily available water quality-related data and information in deciding whether to list their waters, 40 CFR § 130.7(b)(6) allows states to decide whether or not to use particular data or information in determining whether to list particular waters. 40 CFR § 130.7(b)(6)(iii) requires states to provide a rationale for any decision to not use particular data and information.

### **B.3 Priority Ranking & Two Year TMDL Development**

Section 303(d)(1)(A) of the Act directs:

*“The State shall establish a priority ranking for such waters, taking into account the severity of the pollution and the uses to be made of such waters.”*

EPA regulations at 40 CFR § 130.7(b)(4) require:

*“The list required under §§ 130.7(b)(1) and 130.7(b)(2) of this section shall include a priority ranking for all listed water quality-limited segments still requiring TMDLs, taking into account the severity of the pollution and the uses to be made of such waters and shall identify the pollutants causing or expected to cause violations of the applicable water quality standards. The priority ranking shall specifically include the identification of waters targeted for TMDL development in the next two years.”*

The states may consider other factors relevant to prioritizing waters for TMDL development, including immediate programmatic needs; vulnerability of particular waters as aquatic habitats; recreational, economic, and aesthetic importance of particular waters; degree of public interest and support; and state or national policies and priorities. See 57 FR 33040, 33045 (July 24, 1992), and EPA's 1991 Guidance (USEPA 1991).

### **B.4 Public Participation**

The process for identifying WQLSs requires the involvement of the general public commonly referred to as the public participation process. The regulations at 40 CFR § 25 titled “Public Participation in Programs under the Resource Conservation and Recovery Act, the Safe Drinking Water Act, and the Clean Water Act” govern the public participation requirements. EPA considers the TMDL program as a “covered activity” based on the activities described in the regulation.

EPA regulations at 40 CFR § 25.1(a) require:

*“Basic requirements and suggested program elements for public information, public notification, and public consultation are set forth in § 25.4. These requirements are intended to foster public awareness and open processes of government decision making. They are applicable to all covered activities described in § 25.2(a).”*

EPA regulations at 40 CFR § 25.2(a) require:

*“The activities under the three Acts which are covered by this part are:”*

EPA regulations at 40 CFR § 25.2(a)(5) require:

*“Development and implementation of plans, programs, standards, construction, and other activities supported with EPA financial assistance (grants and cooperative agreements) to State, interstate, regional and local agencies (herein referred to as “State, interstate and substate agencies”);”*

EPA regulations at 40 CFR § 25.3(a) require:

*“EPA, State, interstate, and sub-state agencies carrying out activities described in § 25.2 (a) shall provide for, encourage and assist the participation of the public. The term ‘the public’ in the broadest sense means the people as a whole, the general populace. There are a number of identifiable ‘segments of the public’ which may have a particular interest in a given program or decision. Interested*

*and affected segments of the public may be affected directly by a decision, either beneficially or adversely; they may be affected directly; or they may have some other concern about the decision. In addition to private citizens, the public may include, among others, representatives of consumer, environmental, and minority associations; trade, industrial, agricultural, and labor organizations; public health, scientific, and professional societies; civic organizations; public officials; and governmental and educational associations."*

EPA regulations at 40 CFR § 25.4(b)(5) require:

*"Each agency shall develop and maintain a list of persons and organizations who have expressed an interest in or may, by the nature of their purposes, activities or members, be affected by or have an interest in any covered activity. Generally, this list will be most useful where subdivided by area of interest, or geographic area. Whenever possible the list should include representatives of the several categories of interests listed under § 25.3(a). Those on the list, or relevant portions if the list is subdivided, shall receive timely and periodic notification of the availability of materials under § 25.4(b)(2)."*

EPA regulations at 40 CFR § 25.4(c) require:

*"Public notification. Each agency shall notify interested and affected parties, including appropriate portions of the list required by paragraph (b)(5) of this section, and the media in advance of times at which major decisions not covered by notice requirements for public meetings or public hearings are being considered. Generally, notices should include the timetable in which a decision will be reached, the issues under considerations, any alternative courses of actions or tentative determinations which the agency has made, a brief listing of the applicable laws or regulations, the location where relevant documents may be reviewed or obtained, identification of any associated public participation opportunities such as workshops or meetings, the name of an individual to contact for additional information, and any other appropriate information. All advance notifications under this paragraph must be provided far enough in advance to permit time for public response; generally this should not be less than 30 days."*

EPA regulations at 40 CFR § 25.12(a)(1) require:

*"EPA shall review the public participation work plan (or, if no work plan is required by this chapter for the particular financial assistance agreement, the public participation element) included in the application to determine consistency with all policies and requirements of this part."*

EPA regulations at 40 CFR § 25.12(a)(2)(i) require:

*"Evaluation. EPA shall evaluate compliance with public participation requirements using the work plan, responsiveness summary, and other available information. EPA will judge the adequacy of the public participation effort in relation to the objectives and requirements of § 25.3 and § 25.4 and other applicable requirements. In conducting this evaluation, EPA may request additional information from the assisted agency, including records of hearings and meetings, and may invite public comment on the agency's performance. The evaluation will be undertaken as part of any mid-project review required in various programs under this chapter; where no such review is required the review shall be conducted at an appropriate midpoint in continuing EPA oversight activity. EPA may, however, undertake such evaluation at any point in the project period, and will do so whenever it believes that an assisted agency may have failed to meet public participation requirements."*

The evaluation of public participation is generally a financial assistance evaluation (grants and cooperative agreements). However, the establishment of the § 303(d) list is an activity that has a public

participation component. The adequacy of the public participation effort is an appropriate analysis during the review of the § 303(d) list.

The emphasis on public participation for the § 303(d) list can be traced through the regulations from the TMDL program at 40 CFR § 130.7 and the Continuing Planning Process (CPP) at 40 CFR § 130.5. Not all programs are required to have the process specified in the CPP which is approved by EPA. This reinforces this key element of the § 303(d) list review.

EPA regulations at 40 CFR § 130.7(a) require:

*"General. The process for identifying water quality limited segments still requiring wasteload allocations, load allocations and total maximum daily loads (WLAS/LAs and TMDLs), setting priorities for developing these loads; establishing these loads for segments identified, including water quality monitoring, modeling, data analysis, calculation methods, and list of pollutants to be regulated; submitting the State's list of segments identified, priority ranking, and loads established (WLAS, LAs/TMDLs) to EPA for approval; incorporating the approved loads into the State's WQM plans and NPDES permits; and involving the public, affected dischargers, designated area wide agencies, and local governments in this process shall be clearly described in the State Continuing Planning Process (CPP)."*

EPA regulations at 40 CFR § 130.5(a) require:

*"General. Each State shall establish and maintain a continuing planning process (CPP) as described under section 303(e)(3)(A-H) of the Act. Each State is responsible for managing its water quality program to implement the processes specified in the continuing planning process. EPA is responsible for periodically reviewing the adequacy of the State's CPP."*

EPA regulations at 40 CFR § 130.5(b)(3) requires the following be described in the State's CPP:

*"The process for developing total maximum daily loads (TMDLs) and individual water quality based effluent limitations for pollutants in accordance with section 303(d) of the Act and § 130.7(a) of this regulation."*

## **C Review of the New Mexico Submission**

EPA approved the State of New Mexico 2016 § 303(d) List. EPA reviewed the State of New Mexico 2016 § 303(d) List and concluded that the state developed its § 303(d) list in compliance with § 303(d) of the Act and 40 CFR § 130.7. EPA determined that the New Mexico submission included all waters that meet § 303(d) listing requirements.

EPA's determination was based on its analysis of whether the state reasonably considered existing and readily available water quality related data and information, reasonably identified waters required to be listed, assigned priority rankings for all waters requiring TMDLs, identified TMDLs expected to be developed in the next two years, and had adequate public participation.

### **C.1 Review of Identification of WOLSs for Inclusion on Section 303(d) List**

EPA determined that the State of New Mexico 2016 § 303(d) List includes all waters that meet § 303(d) listing requirements.

EPA's approval of the State of New Mexico 2016 § 303(d) List is based on EPA's review of the data and information submitted concerning individual waters and the state's evaluations of those waters. EPA's evaluation was intended to determine whether the state had identified all waters that meet federal listing requirements specified in section § 303(d) and 40 CFR § 130.7.

NMED combined the 2016 § 305(b) report and the § 303(d) list into a single report (henceforth 'Integrated Report') in accordance with EPA's listing guidance, "Guidance for the 2006 Integrated Assessment and Reporting on the Quality of States' Waters" (henceforth 'EPA's 2006 Guidance'). (USEPA 2005). A single assessment methodology for the Integrated Report was used for both the § 305(b) reporting and the § 303(d) listing activities. The New Mexico Integrated Report divided assessed waters into five categories as recommended by EPA's 2006 Guidance. This included three subcategories within Category 5 (Categories 5a, 5b, and 5c). Category 5, which includes waters for which available data and/or information indicate that at least one designated use is not being supported or is threatened, and for which a TMDL is needed, is the State of New Mexico 2016 § 303(d) List that EPA approves or disapproves pursuant to §303(d)(2) and 40 CFR § 130.7. Category 5 is the portion of the Integrated Report on which EPA is taking action.

EPA is approving all of the segment-pollutant pairs on the State submitted 303(d) list. NMED's 303(d) program has expended considerable effort to monitor the State's waters, and to assess collected environmental and water quality data to determine if state water quality standards are being attained. NMED staff responded quickly to requests for additional information and were very helpful in assisting EPA Region 6 staff. Their knowledge of the program and dedication to protection of the water of New Mexico is to be commended.

### **C.1(e) Review of the Methodology**

EPA concluded the New Mexico assessment methodology had a reasonable approach consistent with EPA's 1991 Guidance document and with the State of New Mexico water quality standards. (USEPA 1991 and NM 2013).

EPA concluded the listing methodology employed in developing the State of New Mexico 2016 § 303(d) list describes a set of decision criteria that was reasonably applied.

The methodology is not an item for approval under 40 CFR § 130.7(d)(1). The methodology is an item specifically mentioned as documentation to support the list in 40 CFR § 130.7(b)(6)(i). Although EPA reviewed the New Mexico listing methodology as part of our review of the listing submission, EPA's approval of the State of New Mexico 2016 § 303(d) List should not be construed as agreement with or approval of the listing methodology.

In general, waters were listed in cases where a certain percentage of samples exceeded the applicable water quality criteria. The applicable percentages are provided in the "Procedures for Assessing Water Quality Standards Attainment for the State of New Mexico CWA §303(d) /§305(b) Integrated Report: Assessment Protocol" (NMED 2015).

### **C.1(f) Review of Nonpoint Sources**

New Mexico properly listed waters with nonpoint sources causing or expected to cause impairment, consistent with EPA guidance. § 303(d) lists must include all WQLSs still needing TMDLs, regardless of whether the source of the impairment is a point and/or nonpoint source.

EPA's long-standing interpretation is that §303(d) lists apply to waters impacted by point and/or nonpoint sources. This interpretation has been described in EPA guidance, and in a 1997 memorandum clarifying certain requirements for 1998 § 303(d) lists (USEPA 1997).

### **C.1(g) Review of Waters within Indian Country**

EPA's approval of the State of New Mexico 2016 § 303(d) List extends to all water bodies on the list with the exception of those waters that are within Indian Country, as defined in 18 U.S.C. §1151. EPA is taking no action to approve or disapprove the state's list with respect to those waters at this time. EPA, or eligible Indian Tribes, as appropriate, will retain responsibilities under § 303(d) for those waters.

## **C.2 Review of Consideration of Existing and Readily Available Water Quality-Related Data and Information**

EPA determined that New Mexico took reasonable steps to assemble all existing and readily available water quality-related data and information as required by 40 CFR § 130.7, including data and information from members of the public and government agencies via public participation. Additional information on public participation can be found in Section C.5 later in this document.

Based on a review of New Mexico's description of the data and information considered when developing the integrated report, EPA determined the state properly evaluated all existing and readily available data and information, including data and information relating to the categories of waters specified in 40 CFR § 130.7(b)(5). EPA's review was based on an analysis of whether the state reasonably considered all existing and readily available water quality related data and information.

EPA has concluded that the data acquired through the State solicitation for data was reasonably considered for the identification of water quality limited segments.

The state received and used outside data in their assessment, according to Appendix A of the Integrated Report (NMED 2016b):

“Outside data submitted by the US Corp of Engineers in collaboration with the University of New Mexico, the US Forest Service in collaboration with New Mexico State University, Los Alamos National Laboratory, San Juan Soil and Water Conservation District, Valles Caldera National Preserve, and the Village of Ruidoso were reviewed for Quality-Assurance/Quality-Control (QA/QC) purposes and utilized accordingly for assessment. Available outside USGS and WQX/STORET data for the above noted watersheds of interest were also downloaded via the National Water Quality Monitoring Council Water Quality Portal (<http://www.waterqualitydata.us/>), as well as Middle Rio Grande DOE Oversight Bureau and LANL data available in Intellus (<http://www.intellusnmdata.com/>). These data were utilized for assessment.”

### **C.3 Review of Priority Ranking and Two Year TMDL Development**

EPA determined New Mexico properly assigned a priority ranking to listed waters for TMDL development and took into account the severity of pollution and the uses to be made of such waters.

As described in the New Mexico assessment protocol, waters listed in Category 5 of the integrated report, which constitute the State of New Mexico 2016 § 303(d) List, are subdivided into 3 subcategories: 5a, 5b, and 5c. Subcategory 5a is reserved for waters in which a TMDL is underway, scheduled, or will be scheduled. Subcategory 5b is reserved for waters in which a review of the water quality standard will be conducted prior to the development of a TMDL. Subcategory 5c is reserved for waters in which additional data or information will be collected prior to the development of a TMDL.

The “Estimated TMDL development year” was primarily based on SWQB's rotational monitoring schedule, consent decree deadlines, date since last intensively surveyed, upcoming permit renewals, etc. This date, as well as the “Monitoring Schedule” date, is ultimately dependent upon personnel and financial resources which change on an annual basis.

EPA determined New Mexico provided the WQLSs targeted for TMDL development in the next two years.

### **C.4 Review of Existing Category 4b Waters**

In 2014, EPA approved New Mexico's 2014-2016 303(d) list, which included a Category 4b designation for copper for the Assessment Unit (AU), Sandia Canyon (Sigma Canyon to NPDES outfall 001) NM-9000.A\_047 (NMED 2014). According to the 4b demonstration report in Section 2.3, there are three controls that upon implementation, will result in eventual attainment of the water quality standards (WQS) (NMED/LANL 2015). Two of those controls, the Wetland Stabilization Project and the continued application of already existing NPDES permits and regulatory controls, are already completed or ongoing. The third control is the development of a Storm Water Management Plan, or SWMP. The schedule outlined in Section 4, and to which EPA agreed upon approval of the 4b demonstration, shows that the SWMP would be developed in 2015.

The state of New Mexico's Record of Decision (ROD) for the 2016 Integrated Report (IR) states the following:

“The required IR Category 4b progress report for the dissolved copper impairment is available at: <https://www.env.nm.gov/swqb/303d-305b/2014-2016/LANL/index.html>. The progress report notes that development of the stormwater management plan was suspended. If progress does not occur by the next reporting cycle, the IR 4b categorization may be removed.”

Additionally, in Appendix C of the Integrated Report, “Responses to Comments,” NMED responds to a comment by Amigos Bravos regarding the 4b demonstration. In the response, reference is made to a separate settlement agreement between NMED and Department of Energy (DOE) which led to a requirement for a Supplemental Environmental Project (SEP). The update provided by Los Alamos National Security (LANS) indicates that the SEP will include requirements relating to storm water controls. “SEP work plans, addressing storm water engineering structures and supplemental sampling and monitoring, are in development and require ultimate approval by NMED. Once the work plans are

approved and executed, the Laboratory will prepare a supplement addendum to the 4b document that addresses the elements of a storm water management plan that will be implemented through the SEPs.” It should be noted that while the SEP work plans may be an important component for stormwater control, they cannot be used to address the 4b requirement. The SWMP was a requirement of the 4b demonstration as approved by EPA in the 2014-2016 Integrated Report. Therefore, the SWMP is not eligible for funding under the SEP. This has been acknowledged by NMED through subsequent email communication.

EPA will evaluate progress made toward achievement of WQS for copper in Sandia Canyon in the 2018 integrated report. Given that the SWMP is one of the controls key to achieving WQS, EPA supports removal of the AU from IR Category 4b to Category 5 if the SWMP is not developed by the 2018 reporting cycle.

### **C.5 Review of Public Participation**

EPA determined that New Mexico took reasonable steps to include the public in the process of producing the State of New Mexico 2016 § 303(d) List.

#### **C.5(a) Review of Public Notice for Public Participation**

EPA determined the information on the processes and the notice period were reasonable based on the review of documents submitted. The public notice posted February 3, 2016 requested comments on the draft State of New Mexico 2016 § 303(d) List and on the rationale for development of the State of New Mexico 2016 § 303(d) List. The public notice provided a 45-day comment period ending on March 18, 2016. The public notice was also posted on the NMED website and distributed to appropriate stakeholders.

NMED described the public participation processes in the submittal letter as follows: “Legal notices were published in five major newspapers around the state, including the Albuquerque Journal, Santa Fe New Mexican, Las Cruces Sun, Roswell Daily Record, and Farmington Daily Times on the opening day. The notices were also posted to NMED’s website and sent through the GovDelivery e-mail delivery service. NMED responded to each comment received in Appendix C of the IR.”

#### **C.5(b) Review of Responsiveness Summary for Public Participation**

EPA determined the responses to comments and actions were reasonable based on the review of documents submitted. New Mexico prepared a response to comments document following conclusion of public comment period and assessment of submitted data. The response to comments and proposed Integrated Report were posted on the New Mexico website.

### **D. Administrative Record Supporting this Action**

This EPA decision to approve the State of New Mexico 2016 § 303(d) List was based on a careful review of the materials submitted by the state with the State of New Mexico 2016 § 303(d) List. The administrative record supporting EPA's decision comprises the materials submitted by the state, CWA §

303(d) and associated federal regulations, New Mexico assessment methodology, EPA guidance concerning preparation of section 303(d) lists, this decision document, supporting reports, and the decision letter. EPA determined that the materials provided by the state with its submittal provided sufficient documentation to support our analysis and findings that the state listing decisions meet the requirements of the Clean Water Act and associated federal regulations. We are aware that the state compiled and considered additional materials (e.g. raw data and water quality analysis reports) as part of its list development process that were not included in the materials submitted to EPA. EPA did not consider these additional materials as part of its review of the listing submission. It was unnecessary for EPA to review all of the materials considered by the state in order to determine that, based on the materials submitted to EPA by the state, the state complied with the applicable federal listing requirements. Moreover, federal regulations do not require the state to submit all data and information considered as part of the listing submission.

## **E Administrative Records Cited and References**

New Mexico Environment Department (NMED)/Los Alamos National Laboratory (LANL). 2015. *Integrated Reporting Category 4b Demonstration: Upper Sandia Canyon Assessment Unit AU NM-9000.A\_047 Dissolved Copper Pollutant Pair*. <https://www.env.nm.gov/swqb/303d-305b/2014-2016/LANL/index.html>. Accessed on 30 August 2016.

New Mexico Environment Department (NMED). 2014. *2014-2016 State of New Mexico CWA §303(d)/§305(b) Integrated List & Report*. <https://www.env.nm.gov/swqb/303d-305b/2014-2016/index.html>

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\_\_\_\_\_. 2016b. *2016-2018 State of New Mexico CWA §303(d)/§305(b) Integrated List & Report*. <https://www.env.nm.gov/swqb/303d-305b/2016-2018/index.html>

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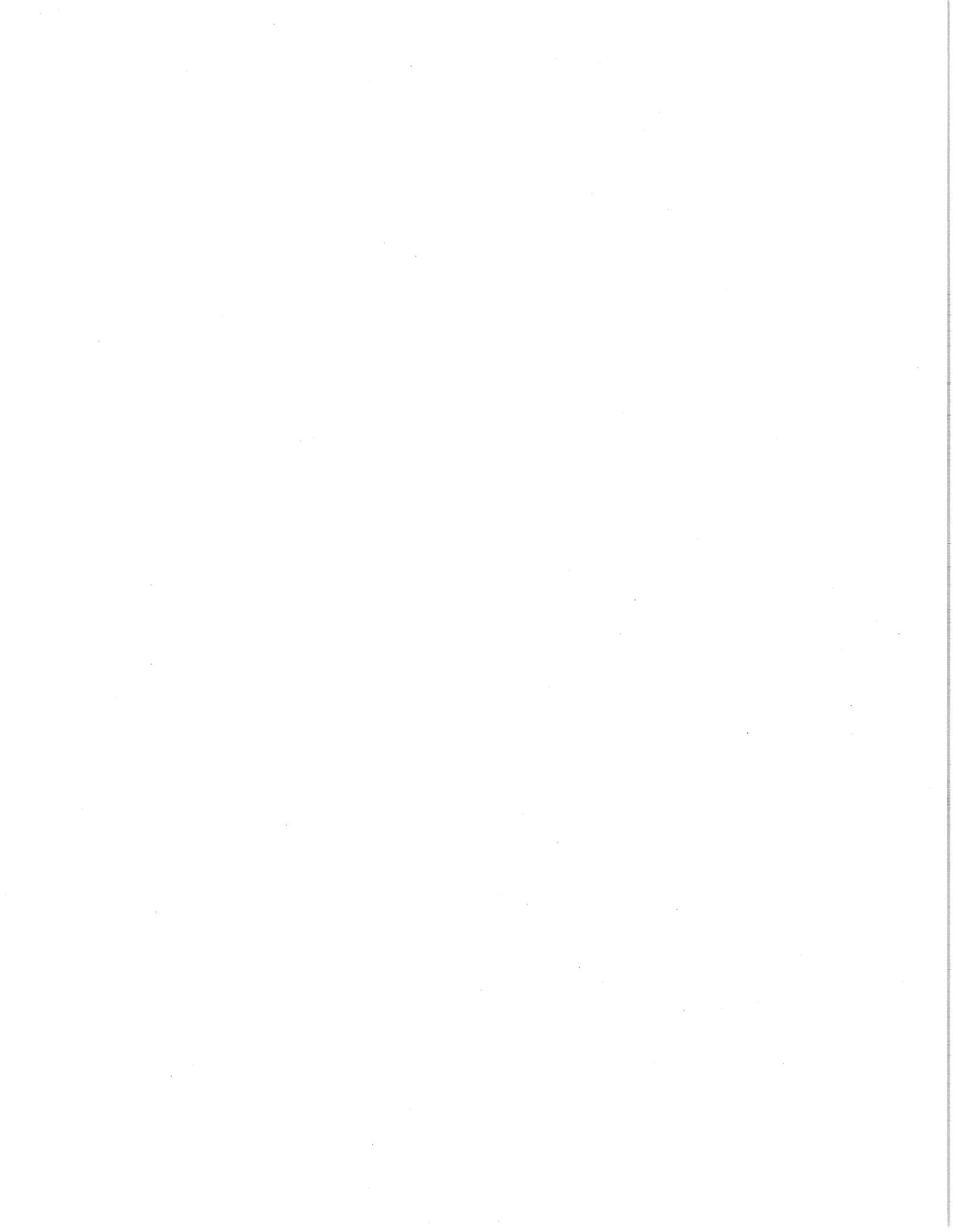
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**Enclosure 2:** List of segment-pollutant pairs

2016 Impaired Waterbodies and Associated Parameters		
Assessment Unit ID	Assessment Unit Name	Parameter
NM-2701_00	Dry Cimarron R (Perennial reaches OK bnd to Long Canyon)	Dissolved oxygen
NM-2701_00	Dry Cimarron R (Perennial reaches OK bnd to Long Canyon)	Temperature
NM-2305.B_20	Lake Maloya	Temperature
NM-2305.A_253	Raton Creek (Chicorica Creek to headwaters)	E. coli
NM-2305.A_253	Raton Creek (Chicorica Creek to headwaters)	Nutrient/Eutrophication
NM-9000.B_101	Stubblefield Lake	Mercury in fish tissue
NM-2306.A_140	VanBremmer Creek (HWY 64 to headwaters)	Specific conductance
NM-2306.A_140	VanBremmer Creek (HWY 64 to headwaters)	Temperature
NM-2306.A_140	VanBremmer Creek (HWY 64 to headwaters)	Turbidity
NM-2305.A_230	Vermejo River (York Canyon to North Fork Vermejo River)	Benthic macroinvert. community
NM-2306.A_153	York Canyon (Vermejo R to Left Fork York Canyon)	Turbidity
NM-2306.B_00	Eagle Nest Lake	Arsenic, dissolved
NM-2306.B_00	Eagle Nest Lake	Dissolved oxygen
NM-2306.A_122	Greenwood Canyon (Middle Ponil Creek to headwaters)	Aluminum
NM-2306.A_112	McCrystal Creek (North Ponil to headwaters)	Temperature
NM-2306.A_112	McCrystal Creek (North Ponil to headwaters)	Turbidity
NM-2306.A_121	Middle Ponil Creek (South Ponil to Greenwood Creek)	Benthic macroinvert. community
NM-2306.A_162	North Ponil Creek (Seally Canyon to headwaters)	Aluminum
NM-2306.A_162	North Ponil Creek (Seally Canyon to headwaters)	Gross alpha, adjusted
NM-2306.A_162	North Ponil Creek (Seally Canyon to headwaters)	Radium 226
NM-2306.A_162	North Ponil Creek (Seally Canyon to headwaters)	Radium 228
NM-2306.A_162	North Ponil Creek (Seally Canyon to headwaters)	Turbidity
NM-2306.A_110	North Ponil Creek (South Ponil Creek to Seally Canyon)	Nutrient/Eutrophication
NM-2306.A_100	Ponil Creek (Cimarron River to HWY 64)	Benthic macroinvert. community
NM-2305.1.B_10	Springer Lake	Mercury in fish tissue
NM-2305.5_10	Charette Lake (Lower)	Mercury in fish tissue
NM-2305.5_20	Charette Lake (Upper)	Mercury in fish tissue
NM-2306.A_022	Coyote Creek (Williams Canyon to Black Lake)	Temperature
NM-2304_00	Conchas Reservoir	Mercury in fish tissue
NM-2304_00	Conchas Reservoir	Nutrient/Eutrophication
NM-2304_00	Conchas Reservoir	PCB in Fish Tissue
NM-2302_00	Ute Reservoir	Aluminum
NM-2302_00	Ute Reservoir	Mercury in fish tissue
NM-2302_00	Ute Reservoir	PCB in Fish Tissue
NM-9000.B_030	Clayton Lake	Mercury in fish tissue
NM-2120.A_903	Canada Tio Grande (Rio San Antonio to headwaters)	Nutrient/Eutrophication
NM-2120.A_903	Canada Tio Grande (Rio San Antonio to headwaters)	Temperature
NM-2120.A_902	Rio San Antonio (CO border to Montoya Canyon)	Dissolved oxygen
NM-2120.A_902	Rio San Antonio (CO border to Montoya Canyon)	Temperature
NM-2120.A_901	Rio San Antonio (Montoya Canyon to headwaters)	Dissolved oxygen

NM-97.A_002	Acid Canyon (Pueblo to headwaters)	Aluminum
NM-97.A_002	Acid Canyon (Pueblo to headwaters)	COPPER, ACUTE
NM-97.A_002	Acid Canyon (Pueblo to headwaters)	Gross alpha, adjusted
NM-97.A_002	Acid Canyon (Pueblo to headwaters)	PCB in Water Column
NM-98.A_004	Arroyo del Palacio (Rio Grande to headwaters)	PCB in Water Column
NM-2120.A_705	Bitter Creek (Red River to headwaters)	Turbidity
NM-98.A_003	Canada Aqua (Arroyo La Mina to headwaters)	PCB in Water Column
NM-128.A_14	DP Canyon (Grade control to upper LANL bnd)	Aluminum
NM-128.A_14	DP Canyon (Grade control to upper LANL bnd)	Gross alpha, adjusted
NM-128.A_14	DP Canyon (Grade control to upper LANL bnd)	PCB in Water Column
NM-128.A_10	DP Canyon (Los Alamos Canyon to grade control)	Aluminum
NM-128.A_10	DP Canyon (Los Alamos Canyon to grade control)	Gross alpha, adjusted
NM-128.A_10	DP Canyon (Los Alamos Canyon to grade control)	PCB in Water Column
NM-2111_40	Embudo Creek (Canada de Ojo Sarco to Picuris Pueblo bnd)	Nutrient/Eutrophication
NM-2111_41	Embudo Creek (Rio Grande to Canada de Ojo Sarco)	Temperature
NM-2120.A_835	Gold Creek (Comanche Creek to headwaters)	Aluminum
NM-97.A_005	Graduation Canyon (Pueblo Canyon to headwaters)	Aluminum
NM-97.A_005	Graduation Canyon (Pueblo Canyon to headwaters)	COPPER, ACUTE
NM-97.A_005	Graduation Canyon (Pueblo Canyon to headwaters)	PCB in Water Column
NM-2120.A_836	Grassy Creek (Comanche Creek to headwaters)	Turbidity
NM-9000.A_005	Guaje Canyon (San Ildefonso bnd to headwaters)	Aluminum
NM-9000.A_063	Los Alamos Canyon (DP Canyon to upper LANL bnd)	Aluminum
NM-9000.A_063	Los Alamos Canyon (DP Canyon to upper LANL bnd)	Gross alpha, adjusted
NM-9000.A_063	Los Alamos Canyon (DP Canyon to upper LANL bnd)	Mercury, total
NM-9000.A_063	Los Alamos Canyon (DP Canyon to upper LANL bnd)	PCB in Water Column
NM-9000.A_006	Los Alamos Canyon (NM-4 to DP Canyon)	Aluminum
NM-9000.A_006	Los Alamos Canyon (NM-4 to DP Canyon)	Gross alpha, adjusted
NM-9000.A_006	Los Alamos Canyon (NM-4 to DP Canyon)	PCB in Water Column
NM-2120.A_703	Pioneer Creek (Red River to headwaters)	Sedimentation/Siltation
NM-2111_20	Pojoaque River (San Ildefonso bnd to Pojoaque bnd)	PCB in Water Column
NM-9000.A_043	Pueblo Canyon (Acid Canyon to headwaters)	Aluminum
NM-9000.A_043	Pueblo Canyon (Acid Canyon to headwaters)	Gross alpha, adjusted
NM-9000.A_043	Pueblo Canyon (Acid Canyon to headwaters)	PCB in Water Column
NM-99.A_001	Pueblo Canyon (Los Alamos Canyon to Los Alamos WWTP)	Aluminum
NM-99.A_001	Pueblo Canyon (Los Alamos Canyon to Los Alamos WWTP)	Gross alpha, adjusted
NM-99.A_001	Pueblo Canyon (Los Alamos Canyon to Los Alamos WWTP)	PCB in Water Column
NM-97.A_006	Pueblo Canyon (Los Alamos WWTP to Acid Canyon)	Gross alpha, adjusted
NM-97.A_006	Pueblo Canyon (Los Alamos WWTP to Acid Canyon)	PCB in Water Column
NM-2120.A_710	Red River (Placer Creek to headwaters)	Nutrient/Eutrophication
NM-2120.A_512	Rio Fernando de Taos (R Pueblo d Taos to USFS bnd at canyon)	Nutrient/Eutrophication
NM-2120.A_512	Rio Fernando de Taos (R Pueblo d Taos to USFS bnd at canyon)	Sedimentation/Siltation
NM-2111_12	Rio Grande (Embudo Creek to Rio Pueblo de Taos)	Turbidity
NM-2111_10	Rio Grande (Ohkay Owingeh bnd to Embudo Creek)	PCB in Fish Tissue
NM-2119_05	Rio Grande (Red River to CO border)	pH

NM-2111_11	Rio Grande (Santa Clara Pueblo bnd to Ohkay Owingeh bnd)	PCB in Fish Tissue
NM-2120.A_501	Rio Grande del Rancho (Rio Pueblo de Taos to HWY 518)	E. coli
NM-2120.A_501	Rio Grande del Rancho (Rio Pueblo de Taos to HWY 518)	Nutrient/Eutrophication
NM-2120.A_501	Rio Grande del Rancho (Rio Pueblo de Taos to HWY 518)	Temperature
NM-2120.A_410	Rio Pueblo (Picuris Pueblo bnd to headwaters)	Nutrient/Eutrophication
NM-2119_30	Rio Pueblo de Taos (Arroyo del Alamo to R Grande del Rancho)	Nutrient/Eutrophication
NM-2119_20	Rio Pueblo de Taos (Rio Grande to Arroyo del Alamo)	Nutrient/Eutrophication
NM-2120.A_419	Rio Santa Barbara (non-pueblo Embudo Ck to USFS bnd)	Temperature
NM-2118.B_00	Santa Cruz Lake	Temperature
NM-2111_50	Santa Cruz River (San Clara Pueblo bnd to Santa Cruz Dam)	Temperature
NM-97.A_029	South Fork Acid Canyon (Acid Canyon to headwaters)	COPPER, ACUTE
NM-97.A_029	South Fork Acid Canyon (Acid Canyon to headwaters)	Gross alpha, adjusted
NM-97.A_029	South Fork Acid Canyon (Acid Canyon to headwaters)	PCB in Water Column
NM-97.A_029	South Fork Acid Canyon (Acid Canyon to headwaters)	ZINC, ACUTE
NM-99.A_005	Unnamed Arroyo (Rio Pueblo de Taos to Taos WWTP)	Ammonia, total
NM-99.A_005	Unnamed Arroyo (Rio Pueblo de Taos to Taos WWTP)	Nutrient/Eutrophication
NM-2120.A_841	Vidal Creek (Comanche Creek to headwaters)	Temperature
NM-97.A_004	Walnut Canyon (Pueblo Canyon to headwaters)	COPPER, ACUTE
NM-97.A_004	Walnut Canyon (Pueblo Canyon to headwaters)	PCB in Water Column
NM-2113_50	Abiquiu Creek (Rio Chama to headwaters)	E. coli
NM-2114_00	Abiquiu Reservoir	Mercury in fish tissue
NM-2114_00	Abiquiu Reservoir	PCB in Fish Tissue
NM-98.A_006	Arroyo del Toro (Rio Chama to headwaters)	PCB in Water Column
NM-9000.B_025	Burns Lake (Rio Arriba)	Nutrient/Eutrophication
NM-98.A_005	Canada de Horno (Rio Chama to headwaters)	PCB in Water Column
NM-2116.A_030	Canjilon Ck (Perennial portions Abiquiu Rsrv to headwaters)	Nutrient/Eutrophication
NM-2116.A_030	Canjilon Ck (Perennial portions Abiquiu Rsrv to headwaters)	Turbidity
NM-2116.A_010	Canones Creek (Abiquiu Rsvr to Chihuahueros Ck)	E. coli
NM-2116.A_010	Canones Creek (Abiquiu Rsvr to Chihuahueros Ck)	Temperature
NM-2116.A_100	Canones Creek (Rio Chama to Jicarilla Apache bnd)	Temperature
NM-2116.A_016	Chihuahueros Creek (Canones Creek to headwaters)	Aluminum, total rec - chronic
NM-2116.A_016	Chihuahueros Creek (Canones Creek to headwaters)	Sedimentation/Siltation
NM-2116.A_022	Coyote Creek (Rio Puerco de Chama to headwaters)	Sedimentation/Siltation
NM-2112.A_20	El Rito Creek (Perennial reaches above HWY 554)	E. coli
NM-2112.A_20	El Rito Creek (Perennial reaches above HWY 554)	Temperature
NM-2113_40	El Rito Creek (Perennial reaches below HWY 554)	E. coli
NM-2113_40	El Rito Creek (Perennial reaches below HWY 554)	Nutrient/Eutrophication
NM-2117_10	Heron Reservoir	Temperature
NM-2112.B_00	Hopewell Lake	Nutrient/Eutrophication
NM-2112.A_03	Placer Creek (Hopewell Lake to headwaters)	Temperature
NM-2116.A_023	Poleo Creek (Rio Puerco de Chama to headwaters)	Sedimentation/Siltation
NM-2116.A_003	Rio Chama (El Vado Reservoir to Rito de Tierra Amarilla)	Aluminum
NM-2116.A_000	Rio Chama (Rito de Tierra Amarilla to Rio Brazos)	Aluminum
NM-2116.A_060	Rio Nutrias (Perennial prt Rio Chama to headwaters)	E. coli

NM-2113_10	Rio Ojo Caliente (Arroyo El Rito to Rio Vallecitos)	Nutrient/Eutrophication
NM-2115_20	Rio Puerco de Chama (Abiquiu Reservoir to HWY 96)	Nutrient/Eutrophication
NM-2113_30	Rio Tusas (Perennial prt Rio Vallecitos to headwaters)	Temperature
NM-2112.A_00	Rio Vallecitos (Rio Tusas to headwaters)	Nutrient/Eutrophication
NM-2112.A_10	Rio del Oso (Perennial prt Rio Chama to headwaters)	PCB in Water Column
NM-2116.A_021	Rito Encino (Rio Puerco de Chama to headwaters)	E. coli
NM-2116.A_021	Rito Encino (Rio Puerco de Chama to headwaters)	Sedimentation/Siltation
NM-2116.A_072	Rito de Tierra Amarilla (HWY 64 to headwaters)	Aluminum, total rec - chronic
NM-2116.A_072	Rito de Tierra Amarilla (HWY 64 to headwaters)	Temperature
NM-2116.A_070	Rito de Tierra Amarilla (Rio Chama to HWY 64)	Nutrient/Eutrophication
NM-2116.A_070	Rito de Tierra Amarilla (Rio Chama to HWY 64)	Specific conductance
NM-2116.A_112	Sexto Creek (Rio Chamita to CO border)	Temperature
NM-9000.A_046	Ancho Canyon (North Fork to headwaters)	PCB in Water Column
NM-9000.A_054	Ancho Canyon (Rio Grande to North Fork Ancho)	Aluminum
NM-9000.A_054	Ancho Canyon (Rio Grande to North Fork Ancho)	Gross alpha, adjusted
NM-9000.A_054	Ancho Canyon (Rio Grande to North Fork Ancho)	PCB in Water Column
NM-128.A_16	Arroyo de la Delfe (Pajarito Canyon to headwaters)	Aluminum
NM-128.A_16	Arroyo de la Delfe (Pajarito Canyon to headwaters)	Gross alpha, adjusted
NM-128.A_00	Canada del Buey (within LANL)	Aluminum
NM-128.A_00	Canada del Buey (within LANL)	Gross alpha, adjusted
NM-128.A_00	Canada del Buey (within LANL)	PCB in Water Column
NM-126.A_00	Canon de Valle (LANL gage E256 to Burning Ground Spr)	Aluminum
NM-126.A_00	Canon de Valle (LANL gage E256 to Burning Ground Spr)	Gross alpha, adjusted
NM-126.A_00	Canon de Valle (LANL gage E256 to Burning Ground Spr)	PCB in Water Column
NM-128.A_01	Canon de Valle (below LANL gage E256)	Aluminum
NM-128.A_01	Canon de Valle (below LANL gage E256)	Gross alpha, adjusted
NM-9000.A_051	Canon de Valle (upper LANL bnd to headwaters)	Aluminum
NM-9000.A_051	Canon de Valle (upper LANL bnd to headwaters)	Gross alpha, adjusted
NM-9000.A_051	Canon de Valle (upper LANL bnd to headwaters)	PCB in Water Column
NM-2118.A_12	Galisteo Ck (Perennial prt 2.2 mi abv Lamy to hdwts)	Temperature
NM-2118.A_10	Galisteo Ck (Perennial prt Kewa bnd to 2.2 mi abv Lamy)	Temperature
NM-2108.5_00	Las Huertas Ck (Perennial prt Santa Ana Pueblo bnd to hws)	Nutrient/Eutrophication
NM-2108.5_00	Las Huertas Ck (Perennial prt Santa Ana Pueblo bnd to hws)	Turbidity
NM-9000.A_042	Mortandad Canyon (within LANL)	Aluminum
NM-9000.A_042	Mortandad Canyon (within LANL)	COPPER, ACUTE
NM-9000.A_042	Mortandad Canyon (within LANL)	Gross alpha, adjusted
NM-9000.A_042	Mortandad Canyon (within LANL)	PCB in Water Column
NM-9000.A_055	North Fork Ancho Canyon (Ancho Canyon to headwaters)	Gross alpha, adjusted
NM-9000.A_055	North Fork Ancho Canyon (Ancho Canyon to headwaters)	PCB in Water Column
NM-126.A_01	Pajarito Canyon (Arroyo de La Delfe to Starmers Spring)	Aluminum
NM-128.A_06	Pajarito Canyon (Two Mile Canyon to Arroyo de La Delfe)	COPPER, ACUTE
NM-128.A_06	Pajarito Canyon (Two Mile Canyon to Arroyo de La Delfe)	Gross alpha, adjusted
NM-128.A_06	Pajarito Canyon (Two Mile Canyon to Arroyo de La Delfe)	PCB in Water Column
NM-128.A_08	Pajarito Canyon (lower LANL bnd to Two Mile Canyon)	Aluminum

NM-128.A_08	Pajarito Canyon (lower LANL bnd to Two Mile Canyon)	PCB in Water Column
NM-9000.A_048	Pajarito Canyon (upper LANL bnd to headwaters)	Aluminum
NM-9000.A_048	Pajarito Canyon (upper LANL bnd to headwaters)	Arsenic, dissolved
NM-9000.A_048	Pajarito Canyon (upper LANL bnd to headwaters)	Gross alpha, adjusted
NM-9000.A_048	Pajarito Canyon (upper LANL bnd to headwaters)	PCB in Water Column
NM-9000.A_048	Pajarito Canyon (upper LANL bnd to headwaters)	Selenium, total recoverable
NM-128.A_07	Pajarito Canyon (within LANL above Starmers Gulch)	Aluminum
NM-128.A_07	Pajarito Canyon (within LANL above Starmers Gulch)	Gross alpha, adjusted
NM-128.A_09	Potrillo Canyon (above Water Canyon)	Aluminum
NM-128.A_09	Potrillo Canyon (above Water Canyon)	Gross alpha, adjusted
NM-2111_00	Rio Grande (Cochiti Reservoir to San Ildefonso bnd)	Aluminum, dissolved
NM-2111_00	Rio Grande (Cochiti Reservoir to San Ildefonso bnd)	Cyanide, total recoverable
NM-2111_00	Rio Grande (Cochiti Reservoir to San Ildefonso bnd)	Gross alpha, adjusted
NM-2111_00	Rio Grande (Cochiti Reservoir to San Ildefonso bnd)	PCB in Fish Tissue
NM-2111_00	Rio Grande (Cochiti Reservoir to San Ildefonso bnd)	PCB in Water Column
NM-2111_00	Rio Grande (Cochiti Reservoir to San Ildefonso bnd)	Selenium, total recoverable
NM-2111_00	Rio Grande (Cochiti Reservoir to San Ildefonso bnd)	Thallium, dissolved
NM-2111_00	Rio Grande (Cochiti Reservoir to San Ildefonso bnd)	Turbidity
NM-2108_00	Rio Grande (non-pueblo Angostura Div to Cochiti Rsrv)	Gross alpha, adjusted
NM-2108_00	Rio Grande (non-pueblo Angostura Div to Cochiti Rsrv)	PCB in Water Column
NM-2108_00	Rio Grande (non-pueblo Angostura Div to Cochiti Rsrv)	Temperature
NM-2118.A_70	Rito de los Frijoles (Rio Grande to Upper Crossing)	Aluminum, total rec - chronic
NM-2118.A_70	Rito de los Frijoles (Rio Grande to Upper Crossing)	DDT in fish tissue
NM-2118.A_74	Rito de los Frijoles (Upper Crossing to headwaters)	Aluminum
NM-9000.A_004	San Pedro Creek (San Felipe bnd to headwaters)	Nutrient/Eutrophication
NM-9000.A_047	Sandia Canyon (Sigma Canyon to NPDES outfall 001)	Aluminum
NM-9000.A_047	Sandia Canyon (Sigma Canyon to NPDES outfall 001)	Gross alpha, adjusted
NM-9000.A_047	Sandia Canyon (Sigma Canyon to NPDES outfall 001)	PCB in Water Column
NM-9000.A_047	Sandia Canyon (Sigma Canyon to NPDES outfall 001)	Thallium, dissolved
NM-128.A_11	Sandia Canyon (within LANL below Sigma Canyon)	Aluminum
NM-128.A_11	Sandia Canyon (within LANL below Sigma Canyon)	Gross alpha, adjusted
NM-128.A_11	Sandia Canyon (within LANL below Sigma Canyon)	PCB in Water Column
NM-2110_02	Santa Fe River (Cochiti Pueblo bnd to Paseo del Canon)	Nutrient/Eutrophication
NM-9000.A_062	Santa Fe River (Guadalupe St to Nichols Rsvr)	Aluminum, total rec - chronic
NM-9000.A_062	Santa Fe River (Guadalupe St to Nichols Rsvr)	E. coli
NM-2118.A_21	Santa Fe River (Nichols Reservoir to headwaters)	Aluminum, total rec - chronic
NM-2110_00	Santa Fe River (Paseo del Canon to Santa Fe WWTP)	E. coli
NM-2110_00	Santa Fe River (Paseo del Canon to Santa Fe WWTP)	Nutrient/Eutrophication
NM-9000.A_061	Santa Fe River (Santa Fe WWTP to Guadalupe St)	Aluminum, total rec - chronic
NM-9000.A_061	Santa Fe River (Santa Fe WWTP to Guadalupe St)	Aluminum, total rec -- acute
NM-9000.A_061	Santa Fe River (Santa Fe WWTP to Guadalupe St)	E. coli
NM-9000.A_061	Santa Fe River (Santa Fe WWTP to Guadalupe St)	PCB in Water Column
NM-128.A_17	Ten Site Canyon (Mortandad Canyon to headwaters)	Aluminum
NM-128.A_17	Ten Site Canyon (Mortandad Canyon to headwaters)	Gross alpha, adjusted

NM-128.A_17	Ten Site Canyon (Mortandad Canyon to headwaters)	PCB in Water Column
NM-9000.A_091	Three Mile Canyon (Pajarito Canyon to headwaters)	Aluminum
NM-9000.A_091	Three Mile Canyon (Pajarito Canyon to headwaters)	Gross alpha, adjusted
NM-128.A_15	Two Mile Canyon (Pajarito to headwaters)	Aluminum
NM-128.A_15	Two Mile Canyon (Pajarito to headwaters)	Gross alpha, adjusted
NM-128.A_15	Two Mile Canyon (Pajarito to headwaters)	PCB in Water Column
NM-126.A_03	Water Canyon (Area-A Canyon to NM 501)	Aluminum
NM-9000.A_052	Water Canyon (upper LANL bnd to headwaters)	Aluminum
NM-128.A_13	Water Canyon (within LANL below Area-A Cyn)	Aluminum
NM-128.A_13	Water Canyon (within LANL below Area-A Cyn)	Gross alpha, adjusted
NM-128.A_13	Water Canyon (within LANL below Area-A Cyn)	PCB in Water Column
NM-2106.A_53	Calaveras Creek (Rio Cebolla to headwaters)	Aluminum, total rec - chronic
NM-2106.A_54	Clear Creek (Rio de las Vacas to San Gregorio Lake)	E. coli
NM-2106.A_54	Clear Creek (Rio de las Vacas to San Gregorio Lake)	Nutrient/Eutrophication
NM-2106.A_54	Clear Creek (Rio de las Vacas to San Gregorio Lake)	Temperature
NM-2106.A_55	Clear Creek (San Gregorio Lake to headwaters)	Aluminum, total rec - chronic
NM-2106.A_55	Clear Creek (San Gregorio Lake to headwaters)	Nutrient/Eutrophication
NM-2106.A_13	East Fork Jemez (San Antonio Creek to VCNP bnd)	Aluminum, total rec - chronic
NM-2106.A_10	East Fork Jemez (VCNP to headwaters)	Aluminum, total rec - chronic
NM-2106.A_10	East Fork Jemez (VCNP to headwaters)	Aluminum, total rec -- acute
NM-2106.A_10	East Fork Jemez (VCNP to headwaters)	Nutrient/Eutrophication
NM-2106.B_00	Fenton Lake	Nutrient/Eutrophication
NM-2106.A_12	Jaramillo Creek (East Fork Jemez to headwaters)	Aluminum, total rec - chronic
NM-2106.A_12	Jaramillo Creek (East Fork Jemez to headwaters)	Nutrient/Eutrophication
NM-2105_71	Jemez River (Jemez Pueblo bnd to Rio Guadalupe)	E. coli
NM-2105_71	Jemez River (Jemez Pueblo bnd to Rio Guadalupe)	Nutrient/Eutrophication
NM-2105_71	Jemez River (Jemez Pueblo bnd to Rio Guadalupe)	Temperature
NM-2105.5_10	Jemez River (Rio Guadalupe to Soda Dam nr Jemez Springs)	E. coli
NM-2106.A_00	Jemez River (Soda Dam nr Jemez Springs to East Fork)	E. coli
NM-2106.A_00	Jemez River (Soda Dam nr Jemez Springs to East Fork)	Temperature
NM-2106.A_00	Jemez River (Soda Dam nr Jemez Springs to East Fork)	pH
NM-2105_75	Jemez River (Zia Pueblo bnd to Jemez Pueblo bnd)	E. coli
NM-2105_75	Jemez River (Zia Pueblo bnd to Jemez Pueblo bnd)	Sedimentation/Siltation
NM-2105_75	Jemez River (Zia Pueblo bnd to Jemez Pueblo bnd)	Temperature
NM-2106.A_11	La Jara Creek (East Fork Jemez to headwaters)	Aluminum, total rec - chronic
NM-2106.A_21	Redondo Creek (Sulphur Creek to headwaters)	pH
NM-2106.A_52	Rio Cebolla (Fenton Lake to headwaters)	Nutrient/Eutrophication
NM-2106.A_52	Rio Cebolla (Fenton Lake to headwaters)	Turbidity
NM-2106.A_50	Rio Cebolla (Rio de las Vacas to Fenton Lake)	Temperature
NM-2106.A_30	Rio Guadalupe (Jemez River to confl with Rio Cebolla)	Nutrient/Eutrophication
NM-2106.A_30	Rio Guadalupe (Jemez River to confl with Rio Cebolla)	Specific conductance
NM-2106.A_30	Rio Guadalupe (Jemez River to confl with Rio Cebolla)	Turbidity
NM-2106.A_46	Rio de las Vacas (Clear Creek to headwaters)	Aluminum, total rec - chronic
NM-2106.A_42	Rito Penas Negras (Rio de las Vacas to headwaters)	Turbidity

NM-2106.A_43	Rito de las Palomas (Rio de las Vacas to headwaters)	Turbidity
NM-2106.A_24	Rito de los Indios (San Antonio Creek to headwaters)	Nutrient/Eutrophication
NM-2106.A_24	Rito de los Indios (San Antonio Creek to headwaters)	Temperature
NM-2106.A_24	Rito de los Indios (San Antonio Creek to headwaters)	Turbidity
NM-2106.A_20	San Antonio Creek (East Fork Jemez to VCNP bnd)	Aluminum, total rec - chronic
NM-2106.A_20	San Antonio Creek (East Fork Jemez to VCNP bnd)	Aluminum, total rec -- acute
NM-2106.A_26	San Antonio Creek (VCNP bnd to headwaters)	Aluminum, total rec - chronic
NM-2106.A_26	San Antonio Creek (VCNP bnd to headwaters)	Nutrient/Eutrophication
NM-2106.A_26	San Antonio Creek (VCNP bnd to headwaters)	Turbidity
NM-2106.B_10	San Gregorio Lake	Nutrient/Eutrophication
NM-2106.A_22	Sulphur Creek (Redondo Creek to headwaters)	Aluminum, total rec - chronic
NM-2106.A_27	Sulphur Creek (San Antonio Creek to Redondo Creek)	Aluminum, total rec - chronic
NM-2106.A_27	Sulphur Creek (San Antonio Creek to Redondo Creek)	Temperature
NM-2106.A_27	Sulphur Creek (San Antonio Creek to Redondo Creek)	Turbidity
NM-2106.A_27	Sulphur Creek (San Antonio Creek to Redondo Creek)	pH
NM-2105.5_20	Vallecito Ck (Jemez Pueblo bnd to Div abv Ponderosa)	Arsenic, dissolved
NM-2105.5_21	Vallecito Ck (Perennial Prt Div abv Ponderosa to headwaters)	Sedimentation/Siltation
NM-2105.5_21	Vallecito Ck (Perennial Prt Div abv Ponderosa to headwaters)	Turbidity
NM-2105_11	Rio Grande (Arroyo Canas to Rio Puerco)	Aluminum, total rec - chronic
NM-2105_11	Rio Grande (Arroyo Canas to Rio Puerco)	Aluminum, total rec -- acute
NM-2105_11	Rio Grande (Arroyo Canas to Rio Puerco)	COPPER, CHRONIC
NM-2105_50	Rio Grande (Isleta Pueblo boundary to Tijeras Arroyo)	Dissolved oxygen
NM-2105_50	Rio Grande (Isleta Pueblo boundary to Tijeras Arroyo)	PCB in Fish Tissue
NM-2105_40	Rio Grande (Rio Puerco to Isleta Pueblo bnd)	Temperature
NM-2105_10	Rio Grande (San Marcial at USGS gage to Arroyo Canas)	Aluminum, total rec - chronic
NM-2105_10	Rio Grande (San Marcial at USGS gage to Arroyo Canas)	Aluminum, total rec -- acute
NM-2105_10	Rio Grande (San Marcial at USGS gage to Arroyo Canas)	Temperature
NM-2105_51	Rio Grande (Tijeras Arroyo to Alameda Bridge)	Dissolved oxygen
NM-2105_51	Rio Grande (Tijeras Arroyo to Alameda Bridge)	PCB in Fish Tissue
NM-2105_51	Rio Grande (Tijeras Arroyo to Alameda Bridge)	Temperature
NM-2105.1_00	Rio Grande (non-pueblo Alameda Bridge to HWY 550 Bridge)	Gross alpha, adjusted
NM-2105.1_00	Rio Grande (non-pueblo Alameda Bridge to HWY 550 Bridge)	PCB in Fish Tissue
NM-2105.1_00	Rio Grande (non-pueblo Alameda Bridge to HWY 550 Bridge)	PCB in Water Column
NM-9000.A_001	Tijeras Arroyo (Four Hills Bridge to headwaters)	Nutrient/Eutrophication
NM-2107.A_46	La Jara Creek (Perennial reaches abv Arroyo San Jose)	Aluminum, total rec - chronic
NM-2107.A_46	La Jara Creek (Perennial reaches abv Arroyo San Jose)	Aluminum, total rec -- acute
NM-2107.A_42	Nacimiento Ck (Perennial prt HWY 126 to San Gregorio Rsvr)	Aluminum, total rec -- acute
NM-2107.A_42	Nacimiento Ck (Perennial prt HWY 126 to San Gregorio Rsvr)	Turbidity
NM-2107.A_42	Nacimiento Ck (Perennial prt HWY 126 to San Gregorio Rsvr)	Uranium, dissolved
NM-2107.A_44	Rio Puerco (Perennial prt northern bnd Cuba to headwaters)	Sedimentation/Siltation
NM-2105_20	Rio Puerco (non-pueblo Rio Grande to Arroyo Chico)	E. coli
NM-2105_20	Rio Puerco (non-pueblo Rio Grande to Arroyo Chico)	Mercury, total
NM-2107.B_00	Bluewater Lake	Nutrient/Eutrophication
NM-2103.A_10	Rio Salado (Rio Grande to Alamo Navajo bnd)	Temperature

NM-2104_00	Elephant Butte Reservoir	Mercury in fish tissue
NM-2104_00	Elephant Butte Reservoir	PCB in Fish Tissue
NM-2105_00	Rio Grande (Elephant Butte Rsvr to San Marcial at USGS)	Aluminum, total rec - chronic
NM-2105_00	Rio Grande (Elephant Butte Rsvr to San Marcial at USGS)	Aluminum, total rec -- acute
NM-2102.B_00	Caballo Reservoir	Mercury in fish tissue
NM-2102.B_00	Caballo Reservoir	Nutrient/Eutrophication
NM-2103.A_50	Las Animas Ck (perennial prt Animas Gulch to headwaters)	Benthic macroinvert. community
NM-2103.A_50	Las Animas Ck (perennial prt Animas Gulch to headwaters)	Dissolved oxygen
NM-2103.A_00	Rio Grande (Caballo Reservoir to Elephant Butte Reservoir)	Dissolved oxygen
NM-9000.B_024	Burn Lake (Dona Ana)	Aluminum
NM-2101_00	Rio Grande (International Mexico bnd to Anthony Bridge)	Boron, dissolved
NM-2504_30	Bear Canyon Reservoir	Mercury in fish tissue
NM-2504_30	Bear Canyon Reservoir	Nutrient/Eutrophication
NM-2504_30	Bear Canyon Reservoir	Temperature
NM-2803_20	Gallinas Creek (Mimbres River to headwaters)	Nutrient/Eutrophication
NM-2804_00	Mimbres R (Perennial reaches Willow Springs to Cooney Cny)	Temperature
NM-2803_00	Mimbres R (Perennial reaches downstream of Willow Springs)	Temperature
NM-9000.A_025	San Vicente Creek (Perennial prt Maudes Cny to Silva Creek)	Nutrient/Eutrophication
NM-2801_20	Dog Canyon Creek (perennial portions)	Temperature
NM-2801_41	Fresnal Canyon (La Luz Creek to Salado Canyon)	E. coli
NM-2801_44	Fresnal Canyon (Salado Canyon to headwaters)	Temperature
NM-2801_42	Karr Canyon (Fresnal Canyon to headwaters)	Sedimentation/Siltation
NM-9000.B_113	Lake Holloman	Arsenic, dissolved
NM-2801_10	Nogal Creek (Tularosa Creek to Mescalero Apache bnd)	Temperature
NM-2805_02	Sacramento R (Perennial prt Scott Able Canyon to headwaters)	Sedimentation/Siltation
NM-2212_01	El Porvenir Creek (Gallinas River to SFNF bnd)	Temperature
NM-9000.A_050	El Rito (Pecos River to headwaters)	Ammonia, total
NM-2213_20	Gallinas River (Pecos River to Aguilar Creek)	Dissolved oxygen
NM-2213_21	Gallinas River (Perennial prt Aguilar Creek to Pecos Arroyo)	Nutrient/Eutrophication
NM-2213_21	Gallinas River (Perennial prt Aguilar Creek to Pecos Arroyo)	Temperature
NM-2213_21	Gallinas River (Perennial prt Aguilar Creek to Pecos Arroyo)	Turbidity
NM-2214.A_081	Glorieta Ck (Perennial prt Pecos R to Glorieta CC WWTP)	Nutrient/Eutrophication
NM-2214.A_081	Glorieta Ck (Perennial prt Pecos R to Glorieta CC WWTP)	Specific conductance
NM-2211.3_00	McAllister Lake	Arsenic, dissolved
NM-2211.A_00	Pecos River (Sumner Reservoir to Santa Rosa Reservoir)	Nutrient/Eutrophication
NM-2213_00	Pecos River (Ticolote Creek to Villanueva State Park)	Temperature
NM-2211.B_00	Santa Rosa Reservoir	Mercury in fish tissue
NM-2211.5_00	Storrie Lake	Mercury in fish tissue
NM-2210_00	Sumner Reservoir	Mercury in fish tissue
NM-2212_10	Ticolote Creek (I-25 to Blue Creek)	Nutrient/Eutrophication
NM-2212_10	Ticolote Creek (I-25 to Blue Creek)	Specific conductance
NM-2212_10	Ticolote Creek (I-25 to Blue Creek)	Temperature
NM-2211.B_30	Tres Lagunas (Northeast)	pH
NM-2207_00	Pecos River (Salt Creek to Crockett Draw)	Temperature

NM-9000.B_044	Figure Eight Lake	Nutrient/Eutrophication
NM-9000.B_071	Lake Van	Temperature
NM-2206.A_03	Pecos River (Eagle Creek to Rio Felix)	DDT in fish tissue
NM-2206.A_03	Pecos River (Eagle Creek to Rio Felix)	PCB in Fish Tissue
NM-2206.A_03	Pecos River (Eagle Creek to Rio Felix)	Temperature
NM-2206.A_00	Pecos River (Rio Felix to Rio Hondo)	DDT in fish tissue
NM-2206.A_00	Pecos River (Rio Felix to Rio Hondo)	PCB in Fish Tissue
NM-2206.A_00	Pecos River (Rio Felix to Rio Hondo)	Temperature
NM-2206.A_20	Pecos River (Rio Hondo to Salt Creek)	DDT in fish tissue
NM-2206.A_20	Pecos River (Rio Hondo to Salt Creek)	PCB in Fish Tissue
NM-2206.A_02	Pecos River (Rio Penasco to Eagle Creek)	DDT in fish tissue
NM-2206.A_02	Pecos River (Rio Penasco to Eagle Creek)	PCB in Fish Tissue
NM-2209.B_20	Grindstone Canyon Reservoir	Temperature
NM-2209.A_10	Rio Bonito (Perennial prt NM 48 near Angus to headwaters)	Benthic macroinvert. community
NM-2209.A_10	Rio Bonito (Perennial prt NM 48 near Angus to headwaters)	Temperature
NM-2209.A_20	Rio Ruidoso (Carrizo Ck to Mescalero Apache bnd)	Phosphorus, total
NM-2209.A_21	Rio Ruidoso (US Hwy 70 Bridge to Carrizo Ck)	Nutrient/Eutrophication
NM-2208_01	Agua Chiquita (perennial portions McEwan Cny to headwaters)	E. coli
NM-2205_00	Brantley Reservoir	DDT in fish tissue
NM-2203.B_00	Lower Tansil Lake/Lake Carlsbad (Carlsbad Municipal Lake)	DDT in fish tissue
NM-2203.B_00	Lower Tansil Lake/Lake Carlsbad (Carlsbad Municipal Lake)	PCB in Fish Tissue
NM-2204.A_00	Pecos River (Avalon Reservoir to Brantley Reservoir)	DDT in fish tissue
NM-2202.A_00	Pecos River (Black River to Six Mile Dam Lake )	E. coli
NM-2202.A_00	Pecos River (Black River to Six Mile Dam Lake )	PCB in Fish Tissue
NM-2206.A_01	Pecos River (Brantley Reservoir to Rio Penasco)	DDT in fish tissue
NM-2206.A_01	Pecos River (Brantley Reservoir to Rio Penasco)	PCB in Fish Tissue
NM-2202.A_01	Pecos River (Six Mile Dam Lake to Lower Tansil Lake)	PCB in Fish Tissue
NM-2201_00	Pecos River (TX border to Black River)	Dissolved oxygen
NM-2201_00	Pecos River (TX border to Black River)	E. coli
NM-2201_00	Pecos River (TX border to Black River)	PCB in Fish Tissue
NM-2202.B_20	Six Mile Dam Lake	Nutrient/Eutrophication
NM-2406_00	Navajo Reservoir	Mercury in fish tissue
NM-2406_00	Navajo Reservoir	Temperature
NM-2407.A_00	Navajo River (Jicarilla Apache Nation to CO border)	Temperature
NM-2404_00	Animas River (Estes Arroyo to So. Ute Indian Tribe bnd)	Temperature
NM-2404_00	Animas River (Estes Arroyo to So. Ute Indian Tribe bnd)	Turbidity
NM-9000.B_006	Lake Farmington (Beeline Reservoir)	Mercury in fish tissue
NM-9000.B_006	Lake Farmington (Beeline Reservoir)	PCB in Fish Tissue
NM-2402.A_01	La Plata R (McDermott Arroyo to So. Ute Indian Tribe bnd)	Nutrient/Eutrophication
NM-2402.A_00	La Plata River (San Juan River to McDermott Arroyo)	Dissolved oxygen
NM-2401_10	San Juan River (Navajo bnd at Hogback to Animas River)	Sedimentation/Siltation
NM-2401_10	San Juan River (Navajo bnd at Hogback to Animas River)	Turbidity
NM-9000.B_096	Quemado Lake	Nutrient/Eutrophication
NM-9000.B_083	McGaffey Lake	Nutrient/Eutrophication

NM-9000.B_110	Ramah Reservoir	Nutrient/Eutrophication
NM-9000.A_200	Puerco River (non-tribal AZ border to Gallup WWTP)	Ammonia, total
NM-2503_25	Beaver Creek (Perennial prt Taylor Ck to Mule Canyon)	Temperature
NM-2503_20	East Fork Gila River (Gila River to headwaters)	Benthic macroinvert. community
NM-2502.A_30	Gila River (Mogollon Ck to East and West Forks of Gila R)	Temperature
NM-2503_45	Gilita Creek (Middle Fork Gila R to Willow Creek)	Temperature
NM-2503_44	Iron Creek (Middle Fork Gila R to headwaters)	Temperature
NM-2504_20	Lake Roberts	Mercury in fish tissue
NM-2504_20	Lake Roberts	Nutrient/Eutrophication
NM-2503_41	Middle Fork Gila River (Canyon Creek to headwaters)	Temperature
NM-2503_40	Middle Fork Gila River (West Fork Gila R to Canyon Creek)	Temperature
NM-2504_40	Snow Lake	Nutrient/Eutrophication
NM-2504_40	Snow Lake	pH
NM-2503_23	Taylor Creek (Perennial reaches Beaver Creek to headwaters)	Nutrient/Eutrophication
NM-2503_03	Turkey Creek (Gila River to headwaters)	Temperature
NM-2503_10	West Fork Gila R (East Fork to Middle Fork)	Temperature
NM-2503_30	West Fork Gila R (Middle Fork to headwaters)	Temperature
NM-2503_47	Willow Creek (Gilita Creek to headwaters)	Temperature
NM-2502.B_00	Bill Evans Lake	Mercury in fish tissue
NM-2502.B_00	Bill Evans Lake	PCB in Fish Tissue
NM-2501_00	Gila River (AZ border to Red Rock)	Temperature
NM-2502.A_10	Gila River (Mangas Creek to Mogollon Creek)	Temperature
NM-2502.A_00	Gila River (Red Rock to Mangas Creek)	Nutrient/Eutrophication
NM-2502.A_00	Gila River (Red Rock to Mangas Creek)	Temperature
NM-2502.A_21	Mangas Creek (Gila River to Mangas Springs)	Temperature
NM-2603.A_50	Centerfire Creek (San Francisco R to headwaters)	Sedimentation/Siltation
NM-2603.A_50	Centerfire Creek (San Francisco R to headwaters)	Temperature
NM-2601_01	Mule Creek (San Francisco R to Mule Springs)	Dissolved oxygen
NM-2603.A_42	Negrito Creek (Tularosa River to confl of N and S forks)	Temperature
NM-2601_10	San Francisco River (Box Canyon to Whitewater Creek)	Benthic macroinvert. community
NM-2602_20	San Francisco River (Centerfire Creek to AZ border)	Benthic macroinvert. community
NM-2602_10	San Francisco River (NM 12 at Reserve to Centerfire Creek)	Temperature
NM-2601_20	San Francisco River (Whitewater Ck to Pueblo Ck)	Sedimentation/Siltation
NM-2603.A_60	Trout Creek (Perennial prt San Francisco R to headwaters)	Temperature
NM-2603.A_40	Tularosa River (San Francisco R to Apache Creek)	Temperature