

Appendix B

2004 New Mexico Surface Water Assessment

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FIELD HEADINGS and CODES used in the 2004-2006 State of New Mexico Integrated 303(d)/305(b) List and Record of Decision (ROD):

Assessment unit (AU) ID	An internal database code that is not intended to provide any specific information to the reader of the list
Assessment unit name	Descriptive name of a specific waterbody (stream reach or lake). Limited to 60 characters.
Attainment	The use attainment status for the given designated use
Designated use(s)	The designated uses as defined in the State of New Mexico Standards for Interstate and Intrastate Surface Waters (20.6.4 NMAC) that apply to the given assessment unit and/or documented existing uses that apply to the given assessment unit
DO	The amount of dissolved oxygen in the water; usually reported in mg/L.
FS	Full Support or Fully Supporting
HUC	8-digit Hydrologic Unit Codes (HUC) that identify various watersheds. The US Geologic Survey defines these codes and associated watershed names. Individual assessment units (i.e., water bodies) in the integrated list are organized alphabetically within each HUC.
IR (Impairment) Category	Overall water quality standards attainment category for each assessment unit as determined by combining individual designated use support decisions. The unique assessment categories for New Mexico are described as follows as follows:
IR Category 1	Attaining the water quality standards for all designated and existing uses. AUs are listed in this category if there are data and information that meet all requirements of the assessment and listing methodology and support a determination that the water quality criteria are attained.
IR Category 2	Attaining some of the designated or existing uses based on numeric and narrative parameters that were tested, and no reliable monitored data is available to determine if the remaining uses are attained or threatened. AUs are listed in this category if there are data and information that meet requirements of the assessment and listing methodology to support a determination that some, but not all, uses are attained based on numeric and narrative water quality criteria that were tested. Attainment status of the remaining uses is unknown because there is no reliable monitored

data with which to make a determination.

- IR Category 3 No reliable monitored data and/or information to determine if any designated or existing use is attained. AUs are listed in this category where data to support an attainment determination for any use are not available, consistent with requirements of the assessment and listing methodology.
- IR Category 4A Impaired for one or more designated uses, but does not require development of a TMDL because TMDL has been completed. AUs are listed in this subcategory once all TMDL(s) have been developed and approved by USEPA that, when implemented, are expected to result in full attainment of the standard. Where more than one pollutant is associated with the impairment of an AU, the AU remains in Category 5A (see below) until all TMDLs for each pollutant have been completed and approved by USEPA.
- IR Category 4B Impaired for one or more designated uses, but does not require development of a TMDL because other pollution control requirements are reasonably expected to result in attainment of the water quality standard in the near future. Consistent with the regulation under 130.7(b)(i),(ii), and (iii), AUs are listed in this subcategory where other pollution control requirements required by local, state, or federal authority are stringent enough to implement any water quality standard (WQS) applicable to such waters.
- IR Category 4C Impaired for one or more designated uses, but does not require development of a TMDL because impairment is not caused by a pollutant. AUs are listed in this subcategory if a pollutant does not cause the impairment. For example, USEPA considers flow alteration to be “pollution” vs. a “pollutant.”
- IR Category 5A Impaired for one or more designated or existing uses and a TMDL is underway or scheduled. AUs are listed in this category if the AU is impaired for one or more designated uses by a pollutant. Where more than one pollutant is associated with the impairment of a single AU, the AU remains in Category 5A until TMDLs for all pollutants have been completed and approved by USEPA.
- IR Category 5B Impaired for one or more designated or existing uses and a review of the water quality standard will be conducted. AUs are listed in this category when it is possible that water quality standards are not being met because one or more current designated use is inappropriate. After a review of the water quality standard is conducted, a Use Attainability Analysis (UAA) will be developed and

submitted to USEPA for consideration, or the AU will be moved to Category 5A and a TMDL will be scheduled.

IR Category 5C

Impaired for one or more designated or existing uses and Additional data will be collected before a TMDL is scheduled. AUs are listed in this category if there is not enough data to determine the pollutant of concern or there is not adequate data to develop a TMDL. For example, AUs with biological impairment will be listed in this category until further research can determine the particular pollutant(s) of concern. When the pollutant(s) are determined, the AU will be moved to Category 5A and a TMDL will be scheduled. If it is determined that the current designated uses are inappropriate, it will be moved to Category 5B and a UAA will be developed. If it is determined that “pollution” is causing the impairment (vs. a “pollutant”), the AU will be moved to Category 4C.

Monitoring schedule

These proposed dates are primarily based on a revised 8-year SWQB rotational watershed monitoring schedule that is still under development. This date, as well as the “TMDL Schedule” date, is dependent upon personnel, financial, and laboratory resources which change on an annual basis.

NPDES

National Pollution Discharge Elimination System. “Individual Active NPDES Permit” information towards the bottom of each entry is provided to alert users of the 303(d) list that there are active NPDES discharge permits in the watershed of the given assessment unit. The expanded information includes Permit Number and Permit Facility Name. This information is queried from the SWQB database that currently tracks Individual NPDES permits only (i.e., it does not include General NPDES permits such as storm water permits). The NPDES query was restricted to include only Active permits. Some NPDES permittees discharge directly into the given assessment unit, while others discharge into tributaries of the given assessment unit.

NS

Non Support or Not Supporting

PCBs

Polychlorinated biphenyls; highly-persistent compounds that are fat soluble and accumulate in the food chain

Probable cause(s)

Parameters and/or constituents that are causing non-attainment of the noted designated uses

Probable source(s)

Probable sources that may be leading to non-attainment of the noted designated uses

Priority	Ranking of priority on assessment units not fully attaining water quality standards (1 = highest priority, 8 = lowest priority)
SBD	Stream bottom deposits; water contaminants that settle and damage or impair the normal growth, function, or reproduction of aquatic life or significantly alter the physical or chemical properties of the bottom (NMAC 20.6.4)
Segment ID	An internal database code that is not intended to provide any specific information to the reader of the list
Size	Streams and/or rivers = Miles, Lakes and/or playas = Acres
TDS	Total dissolved solids, also referred to as "total filterable residue"
TOC	Total organic carbon
TMDL	Total Maximum Daily Load
TMDL(s) schedule	These proposed dates are primarily based on a revised 8-year rotational monitoring schedule that is still under development, consent decree deadlines, date since last intensively surveyed, etc. If listed as Category 5A, this is the proposed year of TMDL completion. If 5B or 5C, new data should be collected by this date. At that point, either a TMDL should be developed, or the category changed accordingly. This date, as well as the "Monitoring Schedule" date, is dependent upon personnel and financial resources which change on an annual basis.
Watershed	The name of the 8-digit Hydrologic Unit Code (HUC) watershed of the assessment unit as defined by the US Geologic Survey.
WQS reference	Water Quality Standard segment as described in the State of New Mexico Standards for Interstate and Intrastate Surface Waters (20.6.4 NMAC) that applies to the given assessment unit

ABBREVIATIONS:

The size of the assessment unit names is limited to 60 characters by the database. Therefore, the following abbreviations were used when necessary:

abv	=	above
bnd	=	boundary
Campgrd	=	Campground
Ck	=	Creek
CO	=	Colorado
confl	=	confluence
Div	=	Diversion
E	=	East
Expt	=	Except
HWY	=	Highway
M	=	Middle
NM	=	New Mexico
N	=	North
nr	=	near
OK	=	Oklahoma
Prt	=	Portions
R	=	River or Rio
Rsrv	=	Reservoir
S	=	South
Spr	=	Spring
TX	=	Texas
USFS	=	United States Forest Service
W	=	West

Note to the reviewer regarding water quantity related probable sources:

The federal Environmental Protection Agency has included the probable sources of “flow alterations from water diversions” and “drought-related impacts” in its 2004 database update.

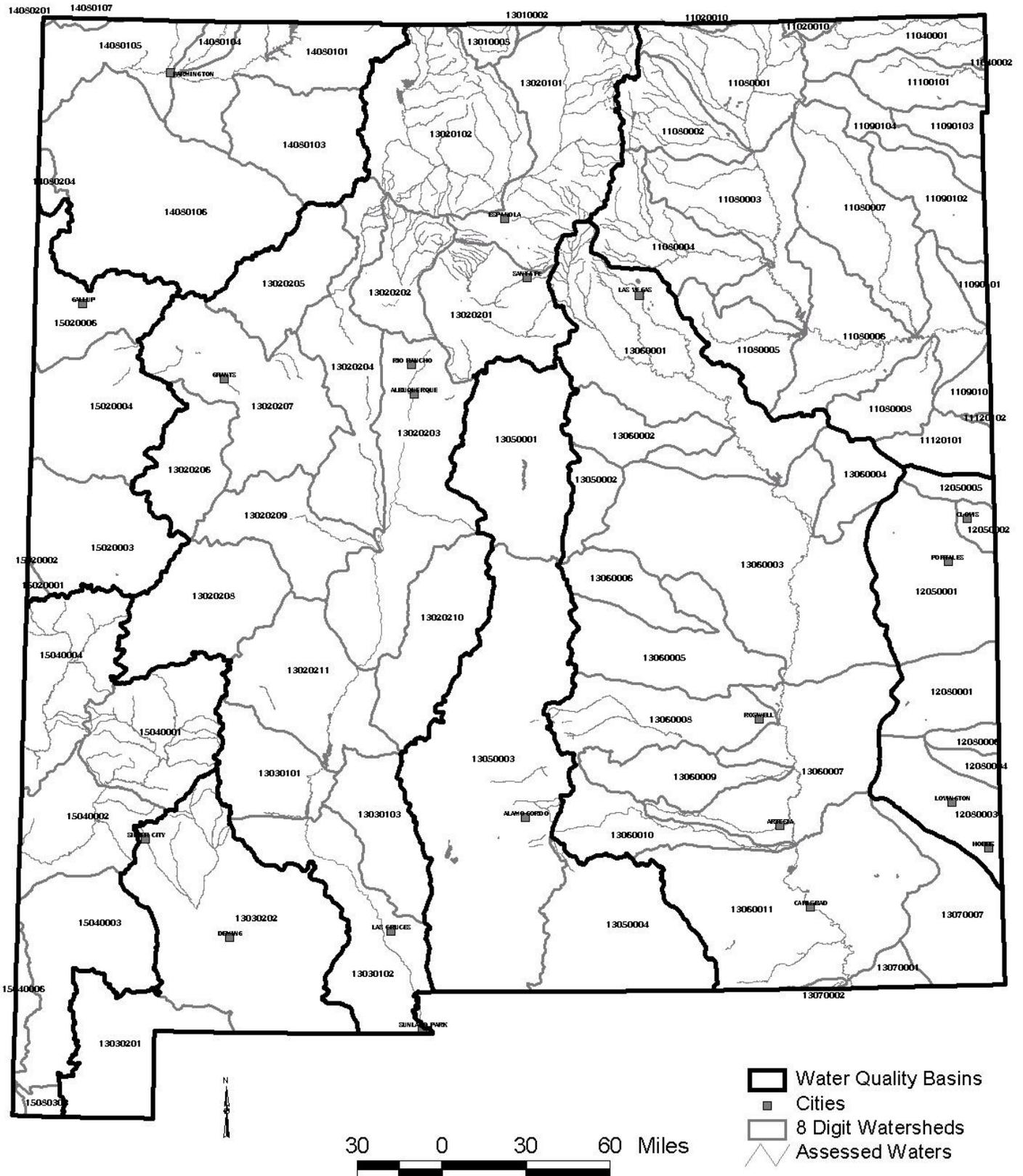
The probable source of “flow alterations from water diversions” is applicable to any assessment unit for which water diversion has altered flow volume in a manner that could contribute to water quality impairment. This probable source is intended to acknowledge the link between water quality and water quantity. However, it should not be construed to impact water rights in New Mexico. The Clean Water Act and the New Mexico Water Quality Act contain limitations regarding the impact of water quality decisions on water rights as follows:

CWA 33 U.S.C. §1251 (g): “It is the policy of Congress that the authority of each State to allocate quantities of water within its jurisdiction shall not be superseded, abrogated or otherwise impaired by this chapter. It is further the policy of Congress that nothing in this chapter shall be construed to supersede or abrogate rights to quantities of water which have been established by any State. Federal agencies shall co-operate with State and local agencies to develop comprehensive solutions to prevent, reduce and eliminate pollution in concert with programs for managing water resources.”

NMSA 1978 §74-6-12.A (1999): “The Water Quality Act does not grant to the commission or to any other entity the power to take away or modify the property rights in water, nor is it the intention of the Water Quality Act to take away or modify such rights.”

The probable source of “drought-related impacts” is applicable to any assessment unit for which drought has altered flow volume in a manner that could contribute to water quality impairment. This probable cause is intended to acknowledge that long term, relatively dry weather patterns may reduce the quantity of water and contribute to water quality impairment.

USGS 8 Digit Hydrologic Unit Codes (HUCs)



USGS 8-digit Hydrologic Unit Codes (HUCs) in New Mexico

Hydrologic Unit Codes	Watershed Name
11020010	Purgatoire
11040001	Cimarron Headwaters
11040002	Upper Cimarron
11080001	Canadian Headwaters
11080002	Cimarron
11080003	Upper Canadian
11080004	Mora
11080005	Conchas
11080006	Upper Canadian-Ute Reservoir
11080007	Ute
11080008	Revuelto
11090101	Middle Canadian-Trujillo
11090102	Punta de Agua
11090103	Rita Blanca
11090104	Carrizo
11100101	Upper Beaver
11120101	Tierra Blanca
11120102	Palo Duro
12050001	Yellow House Draw
12050002	Blackwater Draw
12050005	Running Water Draw
12080001	Lost Draw
12080003	Monument-Seminole Draws
12080004	Mustang Draw
12080006	Sulphur Springs Draw
13010002	Alamosa-Trinchera
13010005	Conejos
13020101	Upper Rio Grande
13020102	Rio Chama
13020201	Rio Grande-Santa Fe
13020202	Jemez
13020203	Rio Grande-Albuquerque
13020204	Rio Puerco
13020205	Arroyo Chico
13020206	North Plains
13020207	Rio San Jose
13020208	Plains of San Agustin
13020209	Rio Salado
13020210	Jornada del Muerto
13020211	Elephant Butte Reservoir
13030101	Caballo
13030102	El Paso-Las Cruces
13030103	Jornada Draw

USGS 8-digit Hydrologic Unit Codes (HUCs) in New Mexico (cont.)

Hydrologic Unit Codes	Watershed Name
13030201	Playas Lake
13030202	Mimbres
13050001	Western Estancia
13050002	Eastern Estancia
13050003	Tularosa Valley
13050004	Salt Basin
13060001	Pecos Headwaters
13060002	Pintada Arroyo
13060003	Upper Pecos
13060004	Taiban
13060005	Arroyo Del Macho
13060006	Gallo Arroyo
13060007	Upper Pecos-Long Arroyo
13060008	Rio Hondo
13060009	Rio Felix
13060010	Rio Penasco
13060011	Upper Pecos-Black
13070001	Lower Pecos-Red Bluff Reserv
13070002	Delaware
13070007	Landreth-Monument Draws
14080101	Upper San Juan
14080103	Blanco Canyon
14080104	Animas
14080105	Middle San Juan
14080106	Chaco
14080107	Mancos
14080201	Lower San Juan-Four Corners
14080204	Chinle
15020001	Little Colorado Headwaters
15020002	Upper Little Colorado
15020003	Carrizo Wash
15020004	Zuni
15020006	Upper Puerco
15040001	Upper Gila
15040002	Upper Gila-Mangas
15040003	Animas Valley
15040004	San Francisco
15040006	San Simon
15080302	San Bernardino Valley
15080303	Cloverdale

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