Table 3-1. Summary of Demographic and Economic Statistics for the Middle Rio Grande Water Planning Region

a. Population

County	2000	2010		2013
		Total	Within Region[a]	
Bernalillo	556,678	662,564	656,267	674,221
Sandoval	89,908	131,561	130,529	136,575
Valencia	66,152	76,569	76,569	76,284
Total Region	712,738	870,694	863,365	887,080

Source: U.S. Census Bureau, 2014a, unless otherwise noted.
[a] U.S. Census Bureau, 2010

b. Income and Employment

County	2008-2012 Income[a]		Labor Force Annual Average 2013[b]		
	Per Capita ($)	Percentage of State Average	Number of Workers	Number Employed	Unemployment Rate (%)
Bernalillo	26,766	113	299,939	279,142	6.9
Sandoval	26,848	113	55,971	51,509	8.0
Valencia	20,416	86	28,887	27,547	7.8

[a] U.S. Census Bureau, 2014c, American Community Survey 5-Year Estimate
[b] NM Department of Workforce Solutions, 2014

Table 3-1. Summary of Demographic and Economic Statistics for the Middle Rio Grande Water Planning Region

c. Business Environment

County	Industry	Number Employed	Number of Businesses
	2008-2012 [a]		*2012*
Bernalillo	Education/Healthcare	78,101	15,810
	Professional, scientific, management	42,805	
	Retail trade	34,184	
	Entertainment, recreation, arts, hospitality, restaurant	33,768	
Sandoval	Education/Healthcare	12,628	1,652
	Retail trade	7,213	
	Professional, scientific, management	6,234	
	Entertainment, recreation, arts, hospitality, restaurant	5,933	
	Manufacturing	5,739	
Valencia	Education/Healthcare	6,828	896
	Retail trade	3,866	
	Construction	3,127	
	Public administration	2,910	
	Entertainment, recreation, arts, hospitality, restaurant	2,574	

[a] U.S. Census Bureau, 2014b

Table 3-1. Summary of Demographic and Economic Statistics for the Middle Rio Grande Water Planning Region

d. Agriculture

County	Farms / Ranches [a]			Most Valuable Agricultural Commodities[b]
	Number	Acreage		
		Total	Average	
Bernalillo	1,006	350,658	349	Livestock, poultry Nursery, greenhouse Other crops and hay
Sandoval	1,029	950,133	923	Cattle and calves Other crops and hay
Valencia	1,607	669,727	417	Milk from cows Other crops and hay Cattle and calves

[a] USDA NASS, 2014, Table 1

[b] USDA NASS, 2014, Table 2

Table 5-1. Middle Rio Grande Climate Stations

Climate Stations [a]	Latitude	Longitude	Elevation	Precipitation		Temperature	
				Data Start	Data End	Data Start	Data End
Sandoval County							
Bernalillo 1 NNE	35.32	–106.55	5,052	5/1/1895	8/31/1982	6/1/1895	8/31/1982
Cabezon 5 SW	35.58	–107.17	6,053	10/1/1939	9/30/1951	—	—
Cochiti Dam	35.64	–106.33	5,560	2/1/1975	Present	2/1/1975	Present
Corrales	35.25	–106.60	5,026	10/31/1982	Present	10/31/1982	Present
Cuba	36.01	–106.97	7,045	9/1/1938	Present	9/1/1938	Present
Jemez Dam	35.39	–106.54	5,388	9/1/1953	Present	9/1/1953	Present
Jemez Springs	35.78	–106.69	6,262	5/1/1910	Present	10/1/1910	Present
Johnson Rch	35.95	–107.09	7,203	7/1/1944	Present	3/1/2013	Present
Lee Rch	35.83	–106.50	8,694	10/1/1923	9/30/1941	10/1/1923	9/30/1941
Pena Blanca	35.58	–106.33	5,233	8/1/1958	1/31/1968	8/1/1958	1/31/1968
Penistaja	35.90	–107.15	6,965	9/1/1943	12/31/1955	6/1/1953	9/30/1955
Placitas 4W	35.30	–106.50	5,515	1/1/1992	Present	1/1/2006	Present
Regina	36.18	–106.95	7,454	7/1/1914	8/31/1969	10/1/1914	8/31/1969
Selsor Rch	35.97	–106.78	8,005	6/1/1912	Present	12/1/1912	Present
Torreon Navajo Mission	35.80	–107.18	6,700	1/1/1961	Present	1/1/1961	Present
Vallecitos	35.65	–106.67	5,900	1/1/1920	6/30/1974	—	—
Wolf Canyon	35.95	–106.75	8,220	6/1/1912	Present	12/1/1912	Present
Bernalillo County							
Albuquerque Fthills NE	35.13	–106.49	6,120	10/1/1991	Present	10/1/1991	Present
Albuquerque Valley	35.02	–106.69	4,955	10/1/1991	Present	10/1/1991	Present
Albuquerque WSFO Airport	35.04	–106.61	5,310	8/1/1946	10/1/2001	1/1/1897	Present

Source: WRCC, 2014

[a] Stations in **bold** type were selected for analysis of weather trends.

— = Information not available

WSFO = Weather Service Forecast Office

Table 5-1. Middle Rio Grande Climate Stations

Climate Stations [a]	Latitude	Longitude	Elevation	Precipitation		Temperature	
				Data Start	Data End	Data Start	Data End
Bernalillo County (cont.)							
Exp Farm	35.02	–106.68	4,934	12/1/1938	7/31/1957	10/1/1938	7/31/1957
Petroglyph Natl Mon	35.14	–106.71	5,121	4/1/1994	Present	4/1/1994	Present
Sandia Crest	35.22	–106.45	10,686	12/1/1953	4/30/1979	12/1/1953	4/30/1979
Sandia Park	35.21	–106.37	7,030	1/1/1939	2/28/2009	1/1/1939	2/28/2009
Tijeras Rs	35.07	–106.38	6,306	4/1/1910	12/31/1974	4/30/1915	12/31/1974
Valencia County							
Belen	34.67	–106.77	4,803	11/1/1941	5/31/1976	11/30/1941	5/31/1976
Los Lunas	34.80	–106.73	4,892	12/1/1892	7/31/1958	12/1/1892	7/31/1958
Los Lunas 3 SSW	34.77	–106.76	4,840	7/1/1957	Present	7/1/1957	Present

Source: WRCC, 2014 — = Information not available

[a] Stations in **bold** type were selected for analysis of weather trends..

Table 5-2. Temperature and Precipitation for Selected Climate Stations Middle Rio Grande Water Planning Region

Station Name	Precipitation (inches)				Temperature			
	Average Annual [a]	Minimum [b]	Maximum [b]	% of Possible Observations [c]	Average (°F)			% of Possible Observations [c]
					Annual [d]	Minimum [e]	Maximum [e]	
Jemez Springs	16.96	6.17	28.72	98.1	51.7	37.0	66.4	97.6
Albuquerque WSFO AP	8.65	3.29	15.88	96.6	56.6	43.3	69.9	91.2

Source: Statistics computed by Western Regional Climate Center (2014)

ft amsl = Feet above mean sea level

°F = Degrees Fahrenheit

[a] Average of annual precipitation totals for the period of record at each station.

[b] Minimum and maximum recorded annual precipitation amounts for each station.

[c] Amount of completeness in the daily data set that was recorded at each station (e.g., 99% complete means there is a 1% data gap).

[d] Average of the daily average temperatures calculated for each station.

[e] Average of the daily minimum (or maximum) temperature recorded daily for each station.

Table 5-3. Palmer Drought Severity Index Classifications

PDSI Classification	Description
+ 4.00 or more	Extremely wet
+3.00 to +3.99	Very wet
+2.00 to +2.99	Moderately wet
+1.00 to +1.99	Slightly wet
+0.50 to +0.99	Incipient wet spell
+0.49 to –0.49	Near normal
–0.50 to –0.99	Incipient dry spell
–1.00 to –1.99	Mild drought
–2.00 to –2.99	Moderate drought
–3.00 to –3.99	Severe drought
–4.00 or less	Extreme drought

Table 5-4a. USGS Stream Gage Stations

USGS Station [a]							Period of Record	
Name [b]	Number	Latitude	Longitude	Elevation (ft amsl)	Drainage Area (sq mi)	Irrigated Upstream Land [c] (acres)	Start Date	End Date
Santa Fe County								
Rio Grande at Otowi Bridge, NM [d]	08313000	35.8745	–106.142444	5,488	14,300	620,000 [e] 75,000 [f]	2/1/1895	Present
Sandoval County								
Rito de los Frijoles in Bandelier Nat Mon, NM	08313350	35.7763889	–106.268333	6,140	18	NA	2/11/1983	Present
Rio Grande at Cochiti, NM	08314500	35.6322528	–106.319471	5,225	14,600	—	6/1/1926	10/30/1970
Rio Grande Below Cochiti Dam, NM	08317400	35.618	–106.323944	5,226	14,900	620,000 [e] 81,000 [f]	10/1/1970	Present
Galisteo C at Domingo, NM	08318000	35.5119789	–106.317524	5,256	640	—	10/1/1941	6/30/1971
Rio Grande at San Felipe, NM	08319000	35.4445833	–106.439833	5,116	16,100	705,000	1/1/1927	Present
Redondo Creek Nr Jemez Springs, NM	08319945	35.8761335	–106.631146	—	—	—	11/10/1981	9/30/1985
Jemez R Bl East Fork Nr Jemez Springs, NM	08321500	35.8275234	–106.648091	6,703	173	—	5/14/1951	12/31/1990
Rio Guadalupe at Box Canyon Near Jemez, NM	08323000	35.7311362	–106.762815	6,016	235	—	5/15/1951	9/30/1996
Rio Guadalupe N Jemez Sps, NM	08323500	35.7028037	–106.754759	—	230	—	12/23/1938	9/30/1950
Jemez River Near Jemez, NM	08324000	35.6619833	–106.743439	5,622	470	300	10/1/1936	Present
Jemez River Outlet Below Jemez Canyon Dam, NM	08328950	35.3947588	–106.545305	5,162	1,034	NA	10/1/2009	Present
Jemez River Below Jemez Canyon Dam, NM	08329000	35.3904167	–106.534611	5,096	1,038	—	4/1/1936	9/30/2009

Source: USGS, 2014c (unless otherwise noted)

[a] Only those USGS stream gages with daily data are shown.

[b] **Bold** indicates gages in key locations selected for additional analysis.

[c] Source: MRCOG and MRGWA, 2004; USGS, 2014a

[d] Located outside region, included to illustrate the water supply entering the region.

[e] In Colorado

[r] In New Mexico

USGS = U.S. Geological Survey

ft amsl = Feet above mean sea level

sq mi = Square miles

NA = Not available

— = Data not available from current source(s).

Table 5-4a. USGS Stream Gage Stations

USGS Station [a]							Period of Record	
Name [b]	Number	Latitude	Longitude	Elevation (ft amsl)	Drainage Area (sq mi)	Irrigated Upstream Land [c] (acres)	Start Date	End Date
Sandoval County (cont.)								
Rio Grande Near Bernalillo, NM	08329500	35.2847625	–106.596415	5,031	17,300	—	10/1/1941	9/30/1969
Corrales Riverside Drain Nr Corrales, NM	08329930	35.2053205	–106.642249	—	—	—	10/1/1996	6/30/1999
Rio Puerco at Cabezon, NM	08333500	35.6222498	–107.117265	—	397	—	10/1/1944	9/30/1951
Rio Puerco Abv Arroyo Chico Nr Guadalupe, NM	08334000	35.6008889	–107.166611	5,950	420	3,700	10/1/1951	Present
Arroyo Chico Nr Guadalupe, NM	08340500	35.59225	–107.189444	5,921	1,390	NA	10/1/1943	Present
Bernalillo County								
Campus Wash at Albuquerque, NM	08329700	35.0938889	–106.623611	5,143	4	NA	4/20/1982	Present
Embudo Arroyo at Albuquerque, NM	08329720	35.1022222	–106.4925	5,925	4	—	10/1/1998	Present
N. Floodway Channel at Albuquerque, NM	08329835	35.1175	–106.611667	5,110	40	—	5/19/1982	Present
Sf Hahn Arroyo in Albuquerque, NM	08329838	35.1211111	–106.567778	5,298	2	—	6/12/1992	7/10/2003
Nf Hahn Arroyo in Albuquerque, NM	08329839	35.1266667	–106.566944	5,290	2	—	10/1/2000	7/10/2003
Hahn Arroyo in Albuquerque, NM	08329840	35.1258778	–106.590303	5,190	4	NA	6/21/1978	Present
Grant Line Arroyo at Villa Del Oso, NM	08329860	35.1344897	–106.571691	5,302	0	—	6/21/1976	9/30/1995
Grant Line Arroyo at Albuquerque, NM	08329865	35.1344897	–106.579191	—	—	—	10/1/1987	9/30/1991
Bear Arroyo at Jefferson St at Albq, NM	08329870	35.1508333	–106.597778	5,130	15	NA	10/1/2003	Present
Pino Arroyo at Ventura at Albq., NM	08329872	35.1544893	–106.540024	5,490	5	—	8/24/1990	9/30/2000
Hoffmantown Church Outlet No. 1 at Albq., NM	08329873	35.1472672	–106.55058	—	0	—	8/10/1990	9/30/1997
Hoffmantown Church Outlet No. 2 at Albq., NM	08329874	35.1472672	–106.553357	—	0	—	8/2/1990	9/30/1997

Source: USGS, 2014c(unless otherwise noted)

[a] Only those USGS stream gages with daily data are shown.

[b] **Bold** indicates gages in key locations selected for additional analysis.

[c] Source: MRCOG and MRGWA, 2004; USGS, 2014a

USGS = U.S. Geological Survey

ft amsl = Feet above mean sea level

sq mi = Square miles

NA = Not available

— = Data not available from current source(s).

Table 5-4a. USGS Stream Gage Stations

USGS Station [a]							Period of Record	
Name [b]	Number	Latitude	Longitude	Elevation (ft amsl)	Drainage Area (sq mi)	Irrigated Upstream Land [c] (acres)	Start Date	End Date
Bernalillo County (cont.)								
Cherry Hills Arroyo No. 1 at Albq., NM	08329875	35.1472672	–106.553357	—	0	—	8/30/1990	9/30/1997
Cherry Hills Arroyo No. 2 at Albq., NM	08329876	35.1472672	–106.556135	—	0	—	8/30/1990	9/30/1997
Pino Arroyo at Wyoming at Albq., NM	08329877	35.1472672	–106.558913	—	6	—	10/1/1990	9/30/1997
Academy Acres Drain In Albuquerque, NM	08329880	35.1511111	–106.573056	5,305	0	—	6/21/1976	9/30/1991
Pino Arroyo at Jefferson St. at Albuquerque, NM	08329882	35.1594444	–106.5975	5,119	8	—	10/1/2000	6/30/2011
La Cueva Arroyo Trib (Upper) at Albq., NM	08329888	35.1894444	–106.495278	6,080	1	—	5/7/1999	6/13/2011
La Cueva Arroyo Tr Nr Albuquerque, NM	08329890	35.1906	–106.496133	6,100	0	—	5/26/1977	10/27/1995
North Floodway Channel Near Alameda, NM	08329900	35.1980556	–106.599722	5,015	88	NA	7/1/1968	Present
North Camino Arroyo at Sunset Hills Nr Albq., NM	08329911	35.1944444	–106.5325	5,645	2	—	10/1/1997	6/13/2011
N Camino Arroyo Tr at Wyo Blvd at Albuquerque, NM	08329914	35.1964333	–106.566414	5,364	0	—	6/14/1979	9/3/1997
Rio Grande at Alameda Bridge at Alameda, NM	08329918	35.1977222	–106.642778	5,050	17,129	—	7/4/2003	Present
Rio Grande Nr Alameda, NM	08329928	35.182	–106.651944	4,990	17,210	714,000	3/1/1989	Present
Arroyo 19a at Albuquerque, NM	08329935	35.1566667	–106.730556	5,341	2	NA	6/17/1977	Present
Taylor Ranch Drain at Albuquerque, NM	08329936	35.1488889	–106.700833	5,102	0	—	8/18/1978	7/6/1998
Ladera Arroyo at Albuquerque, NM	08329938	35.1155556	–106.746667	5,312	0	—	5/28/1981	6/19/2011
Mirehaven Arroyo Nr Albququerque, NM	08329939	35.1083784	–106.774751	—	—	—	9/12/1990	9/30/1990

Source: USGS, 2014c(unless otherwise noted)

[a] Only those USGS stream gages with daily data are shown.

[b] **Bold** indicates gages in key locations selected for additional analysis.

[c] Source: MRCOG and MRGWA, 2004; USGS, 2014a

USGS = U.S. Geological Survey

ft amsl = Feet above mean sea level

sq mi = Square miles

NA = Not available

— = Data not available from current source(s).

Table 5-4a. USGS Stream Gage Stations

USGS Station [a]							Period of Record	
Name [b]	Number	Latitude	Longitude	Elevation (ft amsl)	Drainage Area (sq mi)	Irrigated Upstream Land [c] (acres)	Start Date	End Date
Bernalillo County (cont.)								
Rio Grande at Albuquerque, NM	08330000	35.0891667	–106.680694	4,946	17,440	718,000	3/1/1942	Present
Rio Grande at Rio Bravo Bridge Near Albuquerque,NM	08330150	35.0331035	–106.673637	—	17,440	—	1/19/1991	9/30/1995
San Jose Drain at Woodward Rd at Albq., NM	08330200	35.0488889	–106.648611	4,946	2	NA	10/1/1993	Present
Tijeras Arroyo at Albuquerque, N. Mex.	08330500	35.0611111	–106.477778	5,660	75	NA	4/1/1943	6/30/1949
Tijeras Arroyo Abv Four Hills Brdg at Albq., NM	08330505	35.0608813	–106.495022	—	—	NA	5/11/1989	9/13/1991
Tramway Floodway Channel at Albuquerque, NM	08330540	35.0783333	–106.496944	5,740	2	—	10/1/1989	6/15/2011
Tijeras Arroyo at KAFB at Albuquerque, NM	08330560	35.0397707	–106.531967	—	80	—	6/29/1987	9/30/1988
Arroyo Del Coyote at KAFB Nr Albq., NM	08330565	35.015327	–106.538912	—	27	—	9/2/1989	10/23/1995
Arroyo Del Coyote Abv Tijeras Arroyo at KAFB, NM	08330567	35.0222712	–106.550578	—	28	—	9/2/1989	10/23/1995
Tijeras Arroyo Blw Arroyo Del Coyote at KAFB, NM	08330569	35.0266444	–106.563942	—	117	—	7/25/1989	9/30/1995
Tijeras Arroyo at Montessa Park Nr Albuquerque, NM	08330580	35.0219917	–106.595022	—	122	—	10/1/1987	9/30/1995
Tijeras Arroyo Nr Albuquerque, NM	08330600	35.0019444	–106.6575	4,999	128	—	10/1/1982	Present
South Div Channel Abv Tijeras Arroyo Nr Albq., NM	08330775	35.0027778	–106.657222	4,930	11	NA	6/8/1988	Present
Tijeras Arroyo Bl S Div Inlet Nr Albuquerque, NM	08330800	35.002549	–106.661969	4,933	190	—	7/1/1974	6/8/1988

Source: USGS, 2014c(unless otherwise noted)

[a] Only those USGS stream gages with daily data are shown.

[b] **Bold** indicates gages in key locations selected for additional analysis.

[c] Source: MRCOG and MRGWA, 2004; USGS, 2014a

USGS = U.S. Geological Survey

ft amsl = Feet above mean sea level

sq mi = Square miles

NA = Not available

— = Data not available from current source(s).

Table 5-4a. USGS Stream Gage Stations

USGS Station [a]							Period of Record	
Name [b]	Number	Latitude	Longitude	Elevation (ft amsl)	Drainage Area (sq mi)	Irrigated Upstream Land [c] (acres)	Start Date	End Date
Bernalillo County (cont.)								
Rio Grande at Isleta Lakes Nr Isleta, NM	08330875	34.9466667	–106.680278	4,870	17,666	718,000	10/1/2002	Present
Albuquerque Riverside Drain Nr Isleta, NM	08330915	34.9353288	–106.679192	—	—	—	10/1/1997	6/30/1999
Atrisco Riverside Drain Nr Isleta, NM	08330940	34.9372731	–106.685859	—	—	—	10/1/1997	6/30/1999
Barr Chical Drain Nr Isleta, NM	08331105	34.9111628	–106.680025	—	—	—	10/1/1997	6/30/1999
Amole Del Norte Arroyo at Albuquerque, NM	08331118	35.0372222	–106.720833	4,997	6	—	4/20/2000	6/16/2011
N Pajarito Arroyo at Pl at Albuquerque, NM	08331130	35.0094928	–106.747805	5,148	1	—	5/9/1979	9/30/1986
N Pajarito Arroyo at Gb at Albuquerque, NM	08331140	35.0050486	–106.73586	5,042	1	—	5/9/1979	9/30/1983
Maraposa Div of San Antonio Arr at Albq., NM	083299375	35.14	–106.704722	5,100	31	NA	10/1/1993	Present
Valencia County								
Rio Grande Near Bosque Farms, NM	08331160	34.8705556	–106.72	4,860	17,718	718,000	3/16/2006	Present
Rio Grande at State Hwy 346 Near Bosque, NM	08331510	34.545	–106.763056	—	18,406	718,000	10/1/2005	Present
Rio Puerco at Rio Puerco, NM	08352500	34.793943	–106.989477	5,009	6,590	—	3/1/1934	12/31/1976

Source: USGS, 2014c (unless otherwise noted)

[a] Only those USGS stream gages with daily data are shown.

[b] **Bold** indicates gages in key locations selected for additional analysis.

[c] Source: MRCOG and MRGWA, 2004; USGS, 2014a

USGS = U.S. Geological Survey

ft amsl = Feet above mean sea level

sq mi = Square miles

NA = Not available

— = Data not available from current source(s).

Table 5-4b. USGS Stream Gage Annual Statistics for Stations with 10 or More Years of Record

USGS Station Name [a]	Annual Yield [b] (acre-feet)			Number of Years [c]
	Minimum	Median	Maximum	
Santa Fe County				
Rio Grande at Otowi Bridge, NM [d]	433,584	983,871	1,993,081	43
Sandoval County				
Rito de Los Frijoles in Bandelier Nat Mon, NM	919	1,274	3,077	11
Rio Grande at Cochiti, NM	303,270	848,489	2,672,162	43
Rio Grande Below Cochiti Dam, NM	323,179	869,484	1,869,283	41
Galisteo C at Domingo, NM	825	5,423	26,352	29
Rio Grande at San Felipe, NM	398,399	946,225	1,968,466	39
Jemez R Bl East Fork Nr Jemez Springs, NM	11,221	24,217	53,574	26
Rio Guadalupe at Box Canyon Near Jemez, NM	18,244	39,601	72,397	14
Jemez River Near Jemez, NM	16,506	46,334	130,748	59
Jemez River Below Jemez Canyon Dam, NM	7,746	39,818	122,930	65
Rio Grande Near Bernalillo, NM	190,910	620,512	2,119,051	27
Rio Puerco Abv Arroyo Chico Nr Guadalupe, NM	464	8,398	32,506	61
Arroyo Chico Nr Guadalupe, NM	1,861	12,597	50,750	49
Bernalillo County				
Campus Wash at Albuquerque, NM	365	582	782	16
N. Floodway Channel at Albuquerque, NM	2,454	5,680	7,674	12
North Floodway Channel Near Alameda, NM	2,823	4,800	10,860	16
Rio Grande Nr Alameda, NM	416,860	813,015	1,455,897	14
Rio Grande at Albuquerque, NM	248,321	857,901	1,841,772	39
San Jose Drain at Woodward Rd at Albq., NM	33	144	466	12
Tijeras Arroyo Nr Albuquerque, NM	41	287	1,991	14
South Div Channel Abv Tijeras Arroyo Nr Albq., NM	115	314	1,238	19
Rio Grande at Isleta Lakes Nr Isleta, NM	292,410	516,044	1,165,587	11
Amole Del Norte Arroyo at Albuquerque, NM	70	236	466	10
Maraposa Div of San Antonio Arr at Albq., NM	17	70	329	12
Valencia County				
Rio Puerco at Rio Puerco, NM	9,267	28,560	175,779	42

Source: USGS, 2014c

[a] Stations with complete years of data only
Bold indicates gages in key locations selected for additional analysis.

[b] Based on calendar years;

[c] Number of years used in calculation of annual yield statistics

[d] Located outside region, included to illustrate the water supply entering the region.

Table 5-5. USGS Stream Gage Average Monthly Streamflow for Stations with 10 or More Years of Record

USGS Station [a]	Complete Years [b]	Average Monthly Streamflow [c] (acre-feet)											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Santa Fe County													
Rio Grande at Otowi Bridge, NM [d]	43	46,777	47,902	79,199	124,815	206,470	171,277	87,459	59,763	51,517	46,703	52,903	53,785
Sandoval County													
Rito de Los Frijoles in Bandelier Nat Mon, NM	11	75	79	186	325	220	87	121	83	150	79	97	84
Rio Grande at Cochiti, NM	43	39,991	45,942	62,161	115,940	225,447	160,635	65,537	53,079	39,028	35,349	52,116	46,993
Rio Grande Below Cochiti Dam, NM	41	47,639	49,425	71,035	108,625	177,997	155,024	88,937	53,368	40,758	34,875	48,015	52,242
Galisteo C at Domingo, NM	29	17	8	25	174	128	513	1,673	3,099	1,080	548	36	27
Rio Grande at San Felipe, NM	39	50,593	52,045	76,433	117,737	187,581	167,103	97,977	61,686	48,334	42,133	49,972	55,612
Jemez R Bl East Fork Nr Jemez Springs, NM	26	914	1,066	2,797	8,031	4,252	1,285	1,091	1,428	1,164	1,247	1,173	957
Rio Guadalupe at Box Canyon Near Jemez, NM	14	904	1,035	3,637	10,709	12,543	3,709	1,280	1,321	1,106	1,138	1,123	987
Jemez River Near Jemez, NM	59	1,711	1,907	5,436	14,475	13,153	3,500	1,851	2,596	1,930	2,033	2,090	1,747
Jemez River Below Jemez Canyon Dam, NM	65	1,427	1,557	4,079	10,623	11,015	4,091	1,455	2,520	1,374	1,781	1,621	1,269
Rio Grande Near Bernalillo, NM	27	38,716	45,016	48,210	100,147	179,774	135,143	47,249	44,502	20,238	20,448	52,129	47,313
Rio Puerco Abv Arroyo Chico Nr Guadalupe, NM	61	160	613	904	1,067	2,421	772	1,013	1,432	894	473	152	91
Arroyo Chico Nr Guadalupe, NM	49	131	619	637	223	145	252	2,639	5,715	2,425	1,015	159	90

Source: USGS, 2014c

[a] **Bold** indicates gages in key locations selected for additional analysis.

USGS = U.S. Geological Survey

[b] Monthly statistics are for complete months with locations where 10 or more years of complete data were available.

[c] Data from USGS monthly statistics averaged over the entire period of record, converted to acre-feet (from cubic feet per second) and rounded to the nearest acre-foot.

[d] Located outside region, included to illustrate the water supply entering the region.

Table 5-5. USGS Stream Gage Average Monthly Streamflow for Stations with 10 or More Years of Record

USGS Station [a]	Complete Years [b]	Average Monthly Streamflow [c] (acre-feet)											
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Bernalillo County													
Campus Wash at Albuquerque, NM	16	21	26	40	45	37	49	97	79	72	63	27	27
N. Floodway Channel at Albuquerque, NM	12	221	289	284	352	194	281	895	775	750	691	226	280
North Floodway Channel Near Alameda, NM	16	197	237	365	381	320	400	1,084	1,218	735	744	243	223
Rio Grande Nr Alameda, NM	14	44,641	42,914	70,154	127,365	178,717	144,127	59,331	42,109	32,600	24,754	44,356	53,126
Rio Grande at Albuquerque, NM	39	52,000	52,080	70,844	110,072	176,199	146,553	76,215	44,719	32,753	27,653	50,085	56,724
San Jose Drain at Woodward Rd at Albq., NM	12	5	7	3	13	10	12	35	44	38	24	9	5
Tijeras Arroyo Nr Albuquerque, NM	14	9	19	10	20	6	21	120	127	70	47	8	7
South Div Channel Abv Tijeras Arroyo Nr Albq., NM	19	10	14	18	29	16	24	123	90	67	48	27	12
Rio Grande at Isleta Lakes Nr Isleta, NM	11	36,093	36,267	54,561	89,116	133,899	89,712	36,510	29,586	21,957	19,935	33,506	41,997
Amole del Norte Arroyo at Albuquerque, NM	10	5	5	10	19	16	18	53	39	24	24	8	12
Maraposa Div of San Antonio Arr at Albq., NM	12	2	3	5	9	1	1	11	21	22	14	3	3
Valencia County													
Rio Puerco at Rio Puerco, NM	42	239	1,052	1,487	1,028	3,209	1,160	5,179	15,947	7,551	3,873	345	69

Source: USGS, 2014c

[a] **Bold** indicates gages in key locations selected for additional analysis.

USGS = U.S. Geological Survey

[b] Monthly statistics are for complete months with locations where 10 or more years of complete data were available.

[c] Data from USGS monthly statistics averaged over the entire period of record, converted to acre-feet (from cubic feet per second) and rounded to the nearest acre-foot.

Table 5-6. Reservoirs and Lakes (greater than 5,000 acre-feet) in and Supplying the Middle Rio Grande Water Planning Region

River	Reservoir	Primary Purpose	Operator	Date Completed	Total Authorized Conservation Storage Capacity (acre-feet)	Surface Area [b] (acres)	Dam Height (feet)	Dam Length (feet)
Rio Arriba County [a]								
Willow Creek/ Rio Chama	Heron Dam	Irrigation M&I	Bureau of Reclamation	1970	401,000	5,901	269	1,220
Rio Chama	El Vado Reservoir	Irrigation	Bureau of Reclamation	1934	180,000	3,100	230	1,326
	Abiquiu Dam	Flood control	U.S. Army Corps of Engineers	1963	200,000	4,224	354	1,800
Sandoval County								
Rio Grande	Cochiti Lake	Flood control Recreation	U.S. Army Corp of Engineers	1975	50,000 [c]	1,200	251	29,000
Jemez River	Jemez Canyon Reservoir (DRY)	Flood control	U.S. Army Corp of Engineers	1953	0	0	149	870

Sources: USACE Albuquerque District
USBR Lower Colorado Region
2016

[a] Reservoirs are upstream of Middle Rio Grande region, but are included because of their relevance to the region.

[b] Surface area at maximum authorized conservation storage.

[c] Authorized Cochiti storage is for a permanent recreation pool of 1,200 surface acres. There is no conservation storage authorized for Cochiti Lake.

M&I = Municipal and industrial

Table 5-7. Dams with Dam Safety Deficiency Rankings

Dam	Condition Assessment [a]	Deficiency	Hazard Potential [b]	Estimated Cost to Repair ($)
Sandoval County				
Fenton Lake Dam	Fair	Spillway capacity 38% of required flood	High	5,000,000
		Woody vegetation		
		Erosion		
Hatch Reservoir Dam	Poor	Spillway capacity 1% of required flood	Significant	3,000,000
		Woody vegetation		
		Altered spillway		
Lower Vallecito Dam	Poor	Spillway capacity 1% of required flood	High	4,500,000
		Spillway deteriorated		
		Woody vegetation		
Bernalillo County				
Amole Del Norte Detention Dam	Fair	Spillway capacity 50% of required flood	High	2,000,000
Arroyo Del Oso Detention Dam	Fair	Upstream slope erosion	High	30,000
Black Arroyo Detention Dam	Fair	Spillway capacity 50% of required flood	High	2,000,000
Embudo Dam	Fair	Spillway capacity 68% of required flood	High	50,000
Ladera Dam No. 10	Fair	Spillway obstructed by development	High	400,000
Ladera Dam No. 12	Fair	Ladera 10 impacts Ladera 12	High	400,000
Ladera Dam No. 14	Fair	Ladera 10 impacts Ladera 14	High	400,000
Ladera Dam No. 15	Fair	Ladera 10 impacts Ladera 15	High	400,000
Las Ventanas Detention Dam	Fair	Spillway capacity 50% of required flood	High	2,000,000
Mariposa Dam	Poor	Spillway capacity <10% required, additional documentation needed	High	50,000
Swinburne Dam	Fair	Spillway capacity 50% of required flood	High	250,000
Valencia County				
Houston Arroyo Dam	Poor	Spillway capacity 17% of PMF	High	2,500,000
		Outlet conduit prone to clogging		
		Lack of documentation		

Source: NMOSE, 2014b

[a] Assessment criteria are attached at the end of this table.

[b] Hazard potential classifications are attached at the end of this table.

PMP = Probable maximum precipitation

Table 5-7. Dams with Dam Safety Deficiency Rankings

[a] Condition assessment:

	2008 US Army Corps of Engineers Criteria (adopted by NM OSE in FY09)	*NMOSE Spillway Risk Guidelines*
Fair:	No existing dam safety deficiencies are recognized for normal loading conditions. Rare or extreme hydrologic and/or seismic events may result in a dam safety deficiency. Risk may be in the range [for the owner] to take further action.	Spillway capacity < 70% but ≥ 25% of the SDF.
Poor:	A dam safety deficiency is recognized for loading conditions, which may realistically occur. Remedial action is necessary. A poor condition is also used when uncertainties exist as to critical analysis parameters, which identify a potential dam safety deficiency. Further investigations and studies are necessary.	Spillway capacity < 25% of the SDF.

[b] Hazard Potential Classifications:

High:	Dams where failure or mis-operation would likely result in loss of human life.
Significant:	Dams where failure or mis-operation would likely not result in loss of human life but could cause economic loss, environmental damage, disruption of lifeline facilities, or could impact other concerns. Significant hazard potential classification dams are often located in predominantly rural or agricultural areas but may be located in populated areas with significant infrastructure.

Table 5-8. Total Maximum Daily Load Status of Streams in the Middle Rio Grande Water Planning Region

Waterbody Name [a] (basin, segment)	Assessment Unit ID	Affected Reach (miles [b])	Probable Sources of Pollutant	Uses Not Fully Supported [c]	Specific Pollutant	IR Category [d]
Sandoval County						
Alamo Canyon (Rio Grande to headwaters)	NM-2118.A_71	14.65	Not assessed	—	—	3/3A
American Creek (Rio de las Palomas to headwaters)	NM-2106.A_44	4.8	Not assessed	—	—	3/3A
Arroyo Chico (Rio Puerco to San Isidro Arroyo)	NM-98.A_016	32.46	Not assessed	—	—	3/3A
Arroyo San Jose (Rio Puerco to La Jara Creek)	NM-2107.A_39	6.15	Not assessed	—	—	3/3A
Canon de Valle (upper LANL bnd to headwaters)	NM-9000.A_051	3.56	Source unknown	MWWAL LW	Aluminum Gross alpha PCB in water column	5/5C
Canon del Piojo S Fk (main cny to ranch pond)	NM-97.A_016	1.2	Not assessed	—	—	3/3A
Clear Creek (Rio de las Vacas to San Gregorio Lake)	NM-2106.A_54	5.14	Source unknown	HQColdWAL	Benthic-macroinvertebrate bioassessments	5/5C
East Fork Jemez (San Antonio Creek to VCNP bnd)	NM-2106.A_13	10.39	Source unknown	HQColdWAL	Aluminum Arsenic Temperature, water	5/5B
East Fork Jemez (VCNP to headwaters)	NM-2106.A_10	8.66	Source unknown Recreational pollution sources Silviculture harvesting Wildlife other than waterfowl Rangeland grazing Streambank modifications/destabilization	HQColdWAL	Aluminum Oxygen, dissolved Temperature, water Turbidity pH	5/5B
Fenton Lake	NM-2106.B_00	23.81 [e]	Source unknown	HQColdWAL	Nutrient/eutrophication Biological indicators	5/5C

Source: NMED, 2014a

[a] Only waterbodies assigned to IR categories 3 and above are included.

[b] Unless otherwise noted.

[c] Explanation of uses abbreviations provided at the end of this table

[d] Impairment (IR) category definitions are attached as the last page of this table.

[e] Acres

— = No information provided (reach was not assessed).

Table 5-8. Total Maximum Daily Load Status of Streams in the Middle Rio Grande Water Planning Region

Waterbody Name [a] (basin, segment)	Assessment Unit ID	Affected Reach (miles [b])	Probable Sources of Pollutant	Uses Not Fully Supported [c]	Specific Pollutant	IR Category [d]
Sandoval County (cont.)						
Jaramillo Creek (East Fork Jemez to headwaters)	NM-2106.A_12	10.03	Source unknown Wildlife other than waterfowl Road/bridge runoff Natural sources Rangeland grazing Streambank modifications/destabilization	HQColdWAL	Aluminum Temperature, water Turbidity	5/5B
Jemez River (Jemez Pueblo bnd to Rio Guadalupe)	NM-2105_71	1.87	Source unknown	ColdWAL IRR	Aluminum Arsenic Boron Oxygen, dissolved Turbidity	5/5B
Jemez River (Rio Guadalupe to Soda Dam nr Jemez Springs)	NM-2105.5_10	9.62	Site clearance (new development or infill) On-site treatment systems (septic) Recreational pollution sources Loss of riparian habitat Road/bridge runoff Natural sources Rangeland grazing Streambank modifications/destabilization	ColdWAL IRR	Aluminum Arsenic Boron Nutrient/eutrophication Biological indicators Temperature, water Turbidity	4A
Jemez River (Soda Dam nr Jemez Springs to East Fork)	NM-2106.A_00	3.81	Site clearance (new development or infill) Source unknown Recreational pollution sources Loss of riparian habitat Road/bridge runoff Natural sources Rangeland grazing Streambank modifications/destabilization	HQColdWAL DWS	Aluminum Arsenic Arsenic Temperature, water Turbidity pH	5/5B

Source: NMED, 2014a

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Table 5-8. Total Maximum Daily Load Status of Streams in the Middle Rio Grande Water Planning Region

Waterbody Name [a] (basin, segment)	Assessment Unit ID	Affected Reach (miles [b])	Probable Sources of Pollutant	Uses Not Fully Supported [c]	Specific Pollutant	IR Category [d]
Sandoval County (cont.)						
Jemez River (Zia Pueblo bnd to Jemez Pueblos bnd)	NM-2105_75	1.86	Source unknown Natural sources	MWWAL IRR	Arsenic Boron	4A
La Jara Creek (East Fork Jemez to headwaters)	NM-2106.A_11	5.33	Source unknown	HQColdWAL	Aluminum	5/5B
La Jara Creek (Perennial reaches abv Arroyo San Jose)	NM-2107.A_46	9.86	Source unknown	ColdWAL	Aluminum, Acute Aluminum, Chronic	5/5A
Las Huertas Ck (Perennial prt Santa Ana Pueblo bnd to hws)	NM-2108.5_00	14.06	Source unknown	HQColdWAL	Nutrient/eutrophication Biological indicators Turbidity	5/5C
Lummis Canyon (Upper Trail to headwaters)	NM-97.A_001	8.28	Not assessed	—	—	3/3B
Nacimiento Ck (Perennial prt HWY 126 to San Gregorio Rsvr)	NM-2107.A_42	6.77	Source unknown	DWS ColdWAL	Aluminum, acute Turbidity Uranium	5/5A
Nacimiento Creek (Rio Puerco to HWY 126)	NM-2107.A_47	2.06	Not assessed	—	—	3/3A
Redondo Creek (Sulphur Creek to VCNP bnd)	NM-2106.A_21	0.73	Loss of riparian habitat Road/bridge runoff Rangeland grazing	HQColdWAL	Turbidity	4A
Redondo Creek (VCNP bnd to headwaters)	NM-2106.A_25	5.28	Source unknown Loss of riparian habitat Road/bridge runoff Rangeland grazing	HQColdWAL	Aluminum Temperature, water Turbidity	5/5B

Source: NMED, 2014a

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[e] Acres

— = No information provided (reach was not assessed).

Table 5-8. Total Maximum Daily Load Status of Streams in the Middle Rio Grande Water Planning Region

Waterbody Name [a] (basin, segment)	Assessment Unit ID	Affected Reach (miles [b])	Probable Sources of Pollutant	Uses Not Fully Supported [c]	Specific Pollutant	IR Category [d]
Sandoval County (cont.)						
Rio Cebolla (Fenton Lake to headwaters)	NM-2106.A_52	14.63	Source unknown Recreational pollution sources Aquaculture (permitted) Road/bridge runoff Rangeland grazing	HQColdWAL	Aluminum Sedimentation/siltation Turbidity	5/5B
Rio Chiquito (Cochiti Pueblo bnd to headwaters)	NM-9000.A_041	3.29	Not assessed	—	—	3/3A
Rio de las Vacas (Clear Creek to headwaters)	NM-2106.A_46	10.34	Source unknown	HQColdWAL	Aluminum	5/5B
Rio de las Vacas (Rio Cebolla to Clear Creek)	NM-2106.A_40	14.35	Loss of riparian habitat Rangeland grazing Streambank modifications/destabilization	HQColdWAL	Nutrient/eutrophication Biological indicators Temperature, water	4A
Rio Grande (Cochiti Reservoir to San Ildefonso bnd)	NM-2111_00	22.68	Source unknown	WWAL PC LW MCWAL	Escherichia coli Gross alpha PCB in fish tissue PCB in water column Turbidity	5/5C
Rio Grande (non-pueblo Alameda Bridge to HWY 550 Bridge)	NM-2105.1_00	11.66	Municipal point source discharges Waterfowl On-site treatment systems (septic) Source unknown Wastes from pets Municipal (high density area) Impervious surface/parking lot runoff	MWWAL LW WH PC	Ambient bioassays -- Acute aquatic toxicity Escherichia coli Gross lpha Oxygen, dissolved PCB in fish tissue PCB in water column	5/5C
Rio Guadalupe (Jemez River to confl with Rio Cebolla)	NM-2106.A_30	12.6	Loss of riparian habitat Natural sources	HQColdWAL	Aluminum Temperature, water	4A

Source: NMED, 2014a

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[b] Unless otherwise noted.

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[d] Impairment (IR) category definitions are attached as the last page of this table.

[e] Acres

— = No information provided (reach was not assessed).

Table 5-8. Total Maximum Daily Load Status of Streams in the Middle Rio Grande Water Planning Region

Waterbody Name [a] (basin, segment)	Assessment Unit ID	Affected Reach (miles [b])	Probable Sources of Pollutant	Uses Not Fully Supported [c]	Specific Pollutant	IR Category [d]
Sandoval County (cont.)						
Rio Puerco (Arroyo Chijuilla to northern bnd Cuba)	NM-2107.A_40	8.46	Channelization Wildlife other than waterfowl Drought-related impacts Loss of riparian habitat Road/bridge runoff Natural sources Rangeland grazing Streambank modifications/destabilization	WWAL	Aluminum Ammonia (un-ionized) Nutrient/eutrophication Biological indicators Sedimentation/siltation	4A
Rio Puerco (non-pueblo Rio Grande to Arroyo Chico)	NM-2105_20	106.58	Source unknown	PC WH	Escherichia coli Mercury	5/5C
Rio Puerco (Perennial prt northern bnd Cuba to headwaters)	NM-2107.A_44	14.48	Source unknown	ColdWAL	Sedimentation/siltation	5/5A
Rito de las Palomas (Rio de las Vacas to headwaters)	NM-2106.A_43	5.58	Source unknown Loss of riparian habitat Road/bridge runoff Rangeland grazing Streambank modifications/destabilization	HQColdWAL	Sedimentation/siltation Temperature, water Turbidity	5/5A
Rito de los Frijoles (Rio Grande to Upper Crossing)	NM-2118.A_70	7.99	Source unknown	HQColdWAL	Aluminum DDT	5/5A
Rito de los Frijoles (Upper Crossing to headwaters)	NM-2118.A_74	6.01	Source unknown	HQColdWAL	Aluminum	5/5A
Rito de los Indios (San Antonio Creek to headwaters)	NM-2106.A_24	4.47	Source unknown	HQColdWAL	Aluminum	5/5B
Rito de los Pinos (Arroyo San Jose to headwaters)	NM-2107.A_45	8.78	Not assessed	—	—	3/3A

Source: NMED, 2014a

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[b] Unless otherwise noted.

[c] Explanation of uses abbreviations provided at the end of this table

[d] Impairment (IR) category definitions are attached as the last page of this table.

[e] Acres

— = No information provided (reach was not assessed).

Table 5-8. Total Maximum Daily Load Status of Streams in the Middle Rio Grande Water Planning Region

Waterbody Name [a] (basin, segment)	Assessment Unit ID	Affected Reach (miles [b])	Probable Sources of Pollutant	Uses Not Fully Supported [c]	Specific Pollutant	IR Category [d]
Sandoval County (cont.)						
Rito Penas Negras (Rio de las Vacas to headwaters)	NM-2106.A_42	11.8	Source unknown Loss of riparian habitat Road/bridge runoff Rangeland grazing Streambank modifications/destabilization	HQColdWAL	Nutrient/eutrophication Biological indicators Sedimentation/siltation Temperature, water Turbidity	5/5C
San Antonio Creek (East Fork Jemez to VCNP bnd)	NM-2106.A_20	11.19	Site clearance (new development or infill) Forest roads (road construction and use) Source unknown Recreational pollution sources Loss of riparian habitat Natural sources Rangeland grazing Streambank modifications/destabilization	DWS HQColdWAL	Aluminum Arsenic Temperature, water Turbidity	5/5B
San Antonio Creek (VCNP bnd to headwaters)	NM-2106.A_26	15.93	Site clearance (new development or infill) Forest roads (road construction and use) Source unknown Recreational pollution sources Loss of riparian habitat Rangeland grazing Streambank modifications/destabilization	HQColdWAL	Oxygen, dissolved Temperature, water pH	5/5C
San Miguel Arroyo (San Pablo Canyon to headwaters)	NM-2107.A_51	9.61	Not assessed	—	—	3
San Pedro Creek (San Felipe bnd to headwaters)	NM-9000.A_004	24.62	Source unknown	ColdWAL	Benthic-macroinvertebrate bioassessments	5/5C
Sulphur Creek (Redondo Creek to VCNP bnd)	NM-2106.A_22	2.03	Not assessed	—	—	3/3A

Source: NMED, 2014a

[a] Only waterbodies assigned to IR categories 3 and above are included.

[b] Unless otherwise noted.

[c] Explanation of uses abbreviations provided at the end of this table

[d] Impairment (IR) category definitions are attached as the last page of this table.

[e] Acres

— = No information provided (reach was not assessed).

Table 5-8. Total Maximum Daily Load Status of Streams in the Middle Rio Grande Water Planning Region

Waterbody Name [a] (basin, segment)	Assessment Unit ID	Affected Reach (miles [b])	Probable Sources of Pollutant	Uses Not Fully Supported [c]	Specific Pollutant	IR Category [d]
Sandoval County (cont.)						
Sulphur Creek (San Antonio Creek to Redondo Creek)	NM-2106.A_27	0.81	Source unknown	HQColdWAL	Aluminum Turbidity	5/5B
Sulphur Creek (VCNP to headwaters)	NM-2106.A_23	4	Source unknown	LAL	Aluminum	5/5B
Unnamed tributary (Canon del Piojo S Fk to mine outfall)	NM-97.A_017	1.2	Not assessed	—	—	3/3A
Vallecito Ck (Jemez Pueblo bnd to Div abv Ponderosa)	NM-2105.5_20	3.03	Not assessed	—	—	3/3A
Vallecito Ck (Perennial Prt Div abv Ponderosa to headwaters)	NM-2105.5_21	11.74	Source unknown	ColdWAL	Aluminum Turbidity	5/5B
Virgin Canyon (Rio Guadalupe to headwaters)	NM-2106.A_31	13.1	Not assessed	—	—	3/3A
Bernalillo County						
Conservancy Park Lake	NM-9000.B_032	15 [e]	Not assessed	—	—	3/3A
Rio Grande (Isleta Pueblo bnd to Alameda Bridge)	NM-2105_50	19.9	Municipal point source discharges Waterfowl On-site treatment systems (septic) Source unknown Wastes from pets Municipal (high density area) Impervious surface/parking lot runoff	MWWAL PC	Escherichia coli Oxygen, dssolved PCB in fish tissue Temperature, water	5/5A

Source: NMED, 2014a

[a] Only waterbodies assigned to IR categories 3 and above are included.

[b] Unless otherwise noted.

[c] Explanation of uses abbreviations provided at the end of this table

[d] Impairment (IR) category definitions are attached as the last page of this table.

[e] Acres

— = No information provided (reach was not assessed).

Table 5-8. Total Maximum Daily Load Status of Streams in the Middle Rio Grande Water Planning Region

Waterbody Name [a] (basin, segment)	Assessment Unit ID	Affected Reach (miles [b])	Probable Sources of Pollutant	Uses Not Fully Supported [c]	Specific Pollutant	IR Category [d]
Bernalillo County (cont.)						
Rio Grande (non-pueblo Alameda Bridge to HWY 550 Bridge)	NM-2105.1_00	11.66	Municipal point source discharges Waterfowl On-site treatment systems (septic) Source unknown Wastes from pets Municipal (high density area) Impervious surface/parking lot runoff	MWWAL LW WH PC	Ambient bioassays -- Acute aquatic toxicity Escherichia coli Gross alpha Oxygen, dissolved PCB in fish tissue PCB in water column	5/5C
Rio Puerco (non-pueblo Rio Grande to Arroyo Chico)	NM-2105_20	106.58	Source unknown	PC WH	Escherichia coli Mercury	5/5C
San Pedro Creek (San Felipe bnd to headwaters)	NM-9000.A_004	24.62	Source unknown	ColdWAL	Benthic-macroinvertebrate bioassessments	5/5C
Tijeras Arroyo (Four Hills Bridge to headwaters)	NM-9000.A_001	15	Source unknown	WWAL	Benthic-macroinvertebrate bioassessments Nutrient/eutrophication Biological indicators	5/5C
Tijeras Arroyo (Rio Grande to Four Hills Bridge)	NM-9000.A_070	11.49	Not assessed	—	—	3/3A
Unnamed tributary (div channel to Fire Academy outfall)	NM-97.A_014	0.6	Not assessed	—	—	3/3A
Unnamed tributary (San Pedro Cr to PAAKO outfall)	NM-97.A_013	0.8	Not assessed	—	—	3/3A

Source: NMED, 2014a

[a] Only waterbodies assigned to IR categories 3 and above are included.

[b] Unless otherwise noted.

[c] Explanation of uses abbreviations provided at the end of this table

[d] Impairment (IR) category definitions are attached as the last page of this table.

[e] Acres

— = No information provided (reach was not assessed).

Table 5-8. Total Maximum Daily Load Status of Streams in the Middle Rio Grande Water Planning Region

Waterbody Name [a] (basin, segment)	Assessment Unit ID	Affected Reach (miles [b])	Probable Sources of Pollutant	Uses Not Fully Supported [c]	Specific Pollutant	IR Category [d]
Valencia County						
Rio Grande (Rio Puerco to Isleta Pueblo bnd)	NM-2105_40	35.97	Municipal point source discharges Waterfowl On-site treatment systems (septic) Source unknown Wastes from pets Municipal (high density area) Impervious surface/parking lot runoff	MWWAL PC	Escherichia coli Temperature, water	5/5A
Rio Puerco (non-pueblo Rio Grande to Arroyo Chico)	NM-2105_20	106.58	Source unknown	PC WH	Escherichia coli Mercury	5/5C

Source: NMED, 2014a

[a] Only waterbodies assigned to IR categories 3 and above are included.

[b] Unless otherwise noted.

[c] ColdWAL = Coldwater aquatic life
DWS = Domestic water supply
HQColdWAL = High quality coldwater aquatic life
IRR = Irrigation
LAL = Limited aquatic life
LW = Livestock watering
MCWAL = Marginal coldwater aquatic life
MWWAL = Marginal warmwater aquatic life
PC = Primary contact
WH = Wildlife habitat
WWAL = Warm water aquatic life

[d] Impairment (IR) category definitions are attached as the last page of this table.

[e] Acres

— = No information provided (reach was not assessed).

Table 5-8. Total Maximum Daily Load Status of Streams in the Middle Rio Grande Water Planning Region

[d] Impairment (IR) categories are determined for each assessment unit (AU) by combining individual designated use support decisions.
The applicable unique assessment categories for New Mexico (NMED, 2013b) are described as follows:

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.

Category 3A: Limited data (n = 0 to 1) available, no exceedences. AUs are listed in this subcategory when there are no exceedences in the limited data set. These are considered low priority for follow up monitoring (NMED, 2013).

Category 3B: Limited data (n = 1) available, exceedence. AUs are listed in this subcategory when there is an exceedence in the limited data set. These are considered high priority for follow up monitoring (NMED, 2013).

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 IR Category 5A (see below) until all TMDLs for each pollutant have been completed and approved by USEPA.

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
the U.S. Environmental Protection Agency (EPA) considers flow alteration to be “pollution” vs. a “pollutant.”

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 U.S. EPA.

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 uses are inappropriate. After a review of the water quality standard is conducted
a use attainability analysis (UAA) will be developed and submitted to U.S. EPA for consideration
or the AU will be moved to Category 5A and a TMDL will be scheduled.

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 are not enough data to determine the pollutant of concern or there are 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.

Table 5-9. Municipal and Industrial NPDES Permittees in the Middle Rio Grande Water Planning Region

Permit No	Municipality/Industry [a]	Permit Type
Sandoval County		
NM0023485	Bernalillo, City of/WWTP	Municipal (POTW)
NM0024848	Cuba, Village of/WWTP	Municipal (POTW)
NM0028011	Jemez Springs, Village of/WWTP	Municipal (POTW)
NM0028479	Jemez Valley Public Schools	Private domestic
NM0030112	NMG&FD/Seven Springs Fish Hatchery	Fish hatchery
NM0028169	Resurrection Mining, LLC -- Rio Puerco Mine [b]	Mine (Non-Coal)
NM0027987	Rio Rancho, City of/No. 2 [b]	Municipal (POTW)
NM0029602	Rio Rancho, City of/No. 3	Municipal (POTW)
NM0031011	San Felipe Pueblo Wastewater Treatment Plant	Municipal (POTW)
Bernalillo County		
NM0022250	Albuquerque, City of/WWTP [b]	Municipal (POTW)
NMS000101	Albuquerque/MS4 [b]	Storm water individual
NM0030376	Delta Person Generating Station	Utility
NM0000116	GCC Rio Grande, Inc.	Other
NM0030724	PAA-KO Communities Sewer Association	Other
NM0030384	Public Service Co. of NM/Person Station	Aquifer remediation
NM0000124	Public Service Co. of NM/Reeves Station	
NM0030686	Rio Puerco WWTP	
NM0027863	Sandia Peak Ski Company/Sandia Peak	Private domestic
Valencia County		
NM0020150	Belen, City of/WWTP [b]	Municipal (POTW)
NM0030279	Bosque Farms, Village of/WWTP	Municipal (POTW)
NM0020303	Los Lunas,Village of [b]	Municipal (POTW)
NM0027782	New Mexico Water Serv. Co./Rio Communities	—
NM0030414	NM Water Serv. Co. / Rio Del Oro WWTF	—

Source: NMED, 2014d

[a] Names appear as listed in the NMED database.

[b] Major discharger, classified as such by the Regional Administrator, or in the case of approved state programs, the Regional Administrator in conjunction with the State Director. Major municipal dischargers include all facilities with design flows of greater than 1 million gallons per day and facilities with U.S. EPA/State approved industrial pretreatment programs. Major industrial facilities are determined based on specific ratings criteria developed by U.S. EPA/State.

[c] NMED lists multiple outfall locations

NPDES = National Pollutant Discharge and Elimination System
WWTP = Wastewater treatment plant
POTW = Publicly owned treatment works
NMG&FD = New Mexico Game and Fish
MS4 = Municipal Separate Storm Sewer System
— = Not designated
WWTF = Wastewater treatment facility

Table 5-10. Groundwater Discharge Permits in the Middle Rio Grande Water Planning Region

County	Facility Name [a]	Permit No.	Status	Permitted Discharge Amount (gpd)
Sandoval	Agronics Mine	DP-1247	Active	—
	Albuquerque Public Schools - Corrales Elementary School	DP-1099	Active	13,300
	Algodones Elementary School	DP-711	Active	6,215
	Campbell Ranch	DP-1738	Pending	—
	Chamisa Hills Country Club	DP-1629	Active	1,740,000
	City of Rio Rancho - Mariposa WWTF (Plant #4) and National Guard (Plant #5)	DP-1467	Active	677,000
	Corrales (Village of) - Recreation Center	DP-1139	Active	2,001
	Corrales Village Hall Complex	DP-1527	Active	2,080
	Cuba (Village of) - Wastewater Treatment Plant	DP-483	Active	10
	Grain Power Tucumcari Ltd	DP-1668	Pending	—
	Homestead Village	DP-1356	Active	5,720
	La Cueva Center Business Owners Association	DP-1519	Active	6,000
	New Mexico (State of) Army National Guard, Rio Rancho Armory	DP-906	Active	1,000
	Placitas Elementary School	DP-687	Active	5,000
	Pueblo Los Cerros	DP-131	Active	20,000
	Rio Rancho (City of) - Direct Injection Recharge Demonstration Project	DP-1650	Pending	1,000,000
	Rio Rancho (City of) - Wastewater Treatment Plants 1, 2, 3 and 6	DP-215	Active	8,640,000
	Rio West Water Development	DP-1682	Pending	—
	Sandia View Elementary School	DP-1563	Active	3,220
	US Army Corps Eng-Cochiti Lake	DP-271	Active	16,678
	Village Pizza	DP-1159	Active	4,300
	Vista Verde Memorial Park	DP-140	Active	55,000

Source: NMED, 2014b

gpd = Gallons per day

[a] Names appear as listed in the NMED database.

— = Not listed on GWQB web site

Table 5-10. Groundwater Discharge Permits in the Middle Rio Grande Water Planning Region

County	Facility Name [a]	Permit No.	Status	Permitted Discharge Amount (gpd)
Bernalillo	AAA Pumping Service Inc	DP-1471	Active	74,135
	Albuquerque (City of) -Groundwater Remediation System for former Los Angeles Landfill	DP-1468	Active	460,000
	Albuquerque (City of) - North I-25 Corridor Reclamation and Reuse System	DP-1206	Active	8,130,000
	Albuquerque Metropolitan Detention Center	DP-1329	Active	212,600
	Albuquerque North Products Terminal	DP-216	Active	8
	Albuquerque Public Schools - San Antonito Elementary School	DP-989	Active	6,285
	American Pumping Service	DP-1509	Active	—
	American Waste Removal	DP-658	Active	6,000
	Atlas Pumping Company	DP-1389	Active	2,900
	Bear Canyon Recharge Demonstration Project	DP-1626	Active	5,600,000
	Bella Vista	DP-1450	Active	8,970
	Coors Park South Wetland	DP-1028	Active	30,000
	Delta Person - Generating Station	DP-1260	Active	50,400
	DPC Industries, Inc	DP-406	Active	1,600
	Enchanted Trails RV Park and Trading Post	DP-1709	Active	13,995
	Ever-Ready Oil - Bulk Plant Facility	DP-1122	Active	553
	Former Digital Equipment Corporation	DP-1043	Active	432,000
	Former Gulton Facility	DP-1649	Active	800
	General Electric Aviation	DP-1065	Active	1,800,000
	Giant Albuquerque Fuel Terminal	DP-282	Active	1

Source: NMED, 2014b

gpd = Gallons per day

[a] Names appear as listed in the NMED database.

— = Not listed on GWQB web site

Table 5-10. Groundwater Discharge Permits in the Middle Rio Grande Water Planning Region

County	Facility Name [a]	Permit No.	Status	Permitted Discharge Amount (gpd)
Bernalillo (cont.)	Hidden Valley RV Park	DP-1402	Active	11,580
	High Desert RV Park	DP-1314	Active	9,500
	Indian Hills	DP-1178	Active	7,200
	Kirtland Air Force Base	DP-1770	Pending	—
	Leisure Mountain MH and RV Park	DP-559	Active	8,800
	Lost Horizon	DP-1404	Active	7,575
	McCatharn Dairy	DP-585	Active	0
	Mickey's Dairy	DP-1233	Active	6,000
	Mountain View Nitrate Plume Restoration Project	DP-1818	Pending	808,000
	Mountain View Remediation Site	DP-1179	Active	808,000
	Norbertine Wastewater Treatment Plant	DP-1628	Active	—
	Paa Ko Subdivision	DP-954	Active	260,000
	PNM - Reeves Generating Station	DP-68	Active	9,500
	Public Service Company of New Mexico - Person Generating Station, UNM Golf Course	DP-1006	Active	72,000
	Ritchie Bros Auctioneers America Inc	DP-1337	Active	4,350
	Riviera de Sandia	DP-1555	Active	25,000
	Sandia Motorsports Park, Inc	DP-1278	Active	1,315
	Sandia National Laboratory	DP-530	Active	2,000
	Sandia Peak Ski Area	DP-996	Active	12,900
	Second Chance Detention Center	DP-1489	Active	35,000

Source: NMED, 2014b

gpd = Gallons per day

[a] Names appear as listed in the NMED database.

— = Not listed on GWQB web site

Table 5-10. Groundwater Discharge Permits in the Middle Rio Grande Water Planning Region

County	Facility Name [a]	Permit No.	Status	Permitted Discharge Amount (gpd)
Bernalillo (cont.)	Southside Water Reclamation Plant Reuse System	DP-1308	Active	7,500,000
	Southvalley Dairy	DP-1195	Active	11,999
	Sparton Technology	DP-1184	Active	972,000
	Tablazon Subdivision Wastewater Treatment Facility	DP-959	Active	9,000
	Thermo Fluids Inc	DP-1801	Active	5,049
	Tijeras Restaurant LLC - Pete's Restaurant	DP-1241	Active	2,922
	Turquoise Trail Center	DP-1169	Active	4,500
	Vanderploeg Dairy	DP-568	Active	2,000
	Villa Santa Maria	DP-1549	Active	4,100
	West Mesa Disposal Site	DP-521	Active	95,000
	Winrock Town Center New Regal Entertainment Group Theater	DP-1814	Active	2,400
Valencia	A & A Pumping Services Inc	DP-1534	Active	8,000
	Ann Parish Elementary School	DP-456	Active	14,500
	Belen National Guard Readiness Center	DP-746	Active	2,000
	Bnsf Belen Yard	DP-1715	Active	216,000
	Bosque Farms (Village of) Surface Disposal Facility (Sludge)	DP-1244	Active	17,500
	Bosque Farms Pumping Service	DP-605	Active	40,000
	Burlington Northern Santa Fe - Belen	DP-278	Active	8,250
	CEMCO Inc	DP-1142	Active	2,050
	Charlie's Septic Pipe And Drain	DP-978	Active	9,380
	Cordova Duplexes	DP-1556	Pending	—

Source: NMED, 2014b

gpd = Gallons per day

[a] Names appear as listed in the NMED database.

— = Not listed on GWQB web site

Table 5-10. Groundwater Discharge Permits in the Middle Rio Grande Water Planning Region

County	Facility Name [a]	Permit No.	Status	Permitted Discharge Amount (gpd)
Valencia (cont.)	Dennis Chavez Elementary School	DP-1242	Active	11,290
	Edeal Dairy	DP-1034	Active	32,400
	Frank's Septic Pumping	DP-452	Active	8,000
	Gil Sanchez Elementary School	DP-1243	Active	6,556
	Jarratt Dairy	DP-1176	Active	2,500
	JC Mobile Home Park	DP-1621	Active	3,750
	Los Lunas (Village of) - Surface Disposal Facility (Sludge)	DP-1053	Active	45,000
	Los Lunas Senior Health Care	DP-1336	Active	6,000
	Los Lunas Silvery Minnow Refugium	DP-1748	Active	35,000
	Mathews Meat Processing Inc	DP-1172	Active	300
	Mikes Auto Sales And Service	DP-1535	Active	576,000
	NMWSC Sludge Disposal Site	DP-529	Active	14,000
	Othart Dairy #1	DP-190	Active	15,500
	R & R Ranch Dairy	DP-1294	Active	80,000
	Rasband Dairy	DP-1181	Active	2,000
	Ray's Septic Pumping	DP-549	Active	8,000
	Rio Del Oro Wastewater Treatment Facility	DP-356	Active	300,000
	Valley Improvement Association Landscape Irrigation Project	DP-1569	Active	300,000

Source: NMED, 2014b

gpd = Gallons per day

[a] Names appear as listed in the NMED database.

— = Not listed on GWQB web site

Table 5-11. Superfund Sites in the Middle Rio Grande Water Planning Region

Site Location	Site Name [a]	Site ID	EPA ID	Status [b]
Bernalillo County				
Albuquerque, NM	AT & SF (Albuquerque)	NMD980622864	600879	NPL
	Fruit Avenue Plume	NMD986668911	604068	NPL
	Rinchem Co. Inc.	NMD085267961	600846	NPL
	South Valley	NMD980745558	600881	NPL
Valencia County				
Los Lunas, NM	Pagano Salvage	NMD980749980	600907	Deleted from NPL

Source: U.S. EPA, 2014a
NMED, 2014f

[a] Names appear as listed in the NMED database.
[b] NPL = National Priorities List

Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Sandoval County					
Bernalillo	Franks Conoco	61	26900	656 Camino Del Pueblo	Cleanup, State Lead with CAF
	Larrys Chevron	75	29027	901 Camino Del Pueblo	Aggr Cleanup Completed, Resp Party
	Plateau 168, Giant DBA Plateau 7168	51	31832	118 Hwy 44 W	Cleanup, Responsible Party
	TGAS #220/Thriftway #293	1755	31841	401 Hwy 44 N	Investigation, Responsible Party
	Velarde Property	2444	31473	373 Hwy 113	Cleanup, Responsible Party
Canon	Canon Lumber & Hdwe	2272	27211	10902 Hwy 4	Cleanup, Responsible Party
Corrales	Corrales Chevron	76	1165	3745 Corrales Rd	Cleanup, Responsible Party
Cuba	7-2-11 No36	4619	26267	Hwy 44	Investigation, Responsible Party
	Archies Auto/Old Chevron	2285	28325	6331 Hwy 44	Cleanup, State Lead with CAF
	Bar F 3	416	28316	6385 US Hwy 550 South	Aggr Cleanup Completed, Resp Party
	Circle K 561	2318	1143	6366 Hwy 44	Aggr Cleanup Completed, Resp Party
	D & D Self Serve	1838	27604	6442 US Hwy 550 North	Investigation, Responsible Party
	Gurule Ernest and Robert	3516	28425	6359 US Hwy 550 South	Investigation, Responsible Party
	Red Mesa Express 519	4076	31835	State Hwy 197	Investigation, Responsible Party
	Shell Cuba	178	27585	Hwy 3	Investigation, Responsible Party

Source: NMED, 2014e

[a] Determined according to latitude/longitude information in NMED database. In some cases this information was inconsistent with the facility address, and where such an inconsistency was identified, county and city were instead determined based on the facility address.

[b] Sites with No Further Action status (release considered mitigated) are not included. Information regarding such sites can be found on the NMED website (http://www.nmenv.state.nm.us/ust/lists.html

[c] Information appears as listed in the NMED database.

[d] Pre-Investigation, Suspected Release: Release not confirmed by definition
Pre-Investigation, Confirmed Release: Confirmed release as by definition
Investigation: Ongoing assessment of environmental impact
Cleanup: Physical removal of contamination ongoing
Aggressive Cleanup Completed (Aggr Cleanup Completed): Effective removal of contamination complete
Responsible Party (Resp Party): Owner/Operator responsible for mitigation of release
State Lead: State has assumed responsibility for mitigation of release
Federal Facility: Responsibility under the Federal Govt
CAF: Corrective action fund

Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Jemez Springs	High Country Store	1984	28523	13724 Hwy 126	Investigation, State Lead, CAF
	Jemez Springs Garage	733	28735	State Route 4	Investigation, Responsible Party
Rio Rancho	Raindrop Car Wash	4534	53762	Unknown	Pre-Investigation, Confirmed Release
San Ysidro	Abandoned Station	3186	26361	Corner of Hwy 44	Investigation, Responsible Party
	Cordova Feed	1158	27525	24 Hwy 44	Cleanup, Responsible Party
	Thriftway 232	4520	1890	E Side Hwy 44	Cleanup, Responsible Party
Torreon	Red Mesa Express 520	4053	31838	27 Miles W of Cuba	Investigation, Responsible Party
Bernalillo County					
Albuquerque	A and C Auto, Graves Oil Transfer Yd	2185	26314	3400 2nd Northwest	Cleanup, Responsible Party
	A&C Auto	2131	26314	3400 2nd Northwest	Cleanup, Responsible Party
	Abandoned Plateau, Thriftway(Abandoned Plateau)	2531	26353	1720 Central Ave Southwest	Cleanup, Responsible Party
	Allsup 152	2631	26498	2801 Coors Southwest	Cleanup, Responsible Party
	Allsups 197/Atex 376	27	26501	1525 Arenal Southwest	Aggr Cleanup Completed, Resp Party
	Anthem Oil 105, Anthem Oil #5 DBA Texaco	4548	29845	9160 Coors Northwest	Cleanup, Responsible Party
	Anthem Oil 106	4568	1832	8614 Central NE	Pre-Investigation, Confirmed Release

Source: NMED, 2014e

[a] Determined according to latitude/longitude information in NMED database. In some cases this information was inconsistent with the facility address, and where such an inconsistency was identified, county and city were instead determined based on the facility address.

[b] Sites with No Further Action status (release considered mitigated) are not included. Information regarding such sites can be found on the NMED website (http://www.nmenv.state.nm.us/ust/lists.html

[c] Information appears as listed in the NMED database.

[d] Pre-Investigation, Suspected Release: Release not confirmed by definition
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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Bernalillo County (cont.)					
Albuquerque (cont.)	Atex/Allsups #149	1169	26496	1125 Alameda Northwest	Cleanup, Responsible Party
	Atex/T-Gas #156 C	2189	26712	3600 Wyoming NE	Investigation, Responsible Party
	Atex/T-Gas #54	1990	1916	7324 Fourth Northwest	Cleanup, Responsible Party
	Atex/T-Gas 1315	1170	26706	2448 Isleta Blvd	Aggr Cleanup Completed, Resp Party
	Atex/T-Gas 380	677	1919	2990 Gun Club Rd	Cleanup, Responsible Party
	Atrisco 66, Roberts Oil-Central	2792	1741	4617 Central Northwest	Aggr Cleanup Completed, Resp Party
	Bachechi Victor, Sullivan Stable	400	26828	9521 Rio Grand	Aggr Cleanup Completed, St Lead, CAF
	Bass Service Site	79	26861	4257 Isleta Blvd Southwest	Aggr Cleanup Completed, St Lead, CAF
	Bern County Yd	67	970	2400 Broadway SE	Aggr Cleanup Completed, St Lead, CAF
	Bob's Burgers	4677	53737	Unknown	Pre-Investigation, Suspected Release
	Bonded Plumbing/Heating	2636	27006	721 Fourteenth St Southwest	Cleanup, Responsible Party
	Brewer Gascard	4	1280	1816 Fourth Northwest	Aggr Cleanup Completed, St Lead, CAF
	Brewer Gascard #	2523	1280	1816 Fourth Northwest	Pre-Investigation, Confirmed Release
	Brewer Oil Co	1132	835	3200 Candelaria NE	Cleanup, Responsible Party
	Building 1033	3097	28884	Building 1033	Referred to Ground Water Quality Bureau

Source: NMED, 2014e

[a] Determined according to latitude/longitude information in NMED database. In some cases this information was inconsistent with the facility address, and where such an inconsistency was identified, county and city were instead determined based on the facility address.

[b] Sites with No Further Action status (release considered mitigated) are not included. Information regarding such sites can be found on the NMED website (http://www.nmenv.state.nm.us/ust/lists.html

[c] Information appears as listed in the NMED database.

[d] Pre-Investigation, Suspected Release: Release not confirmed by definition
Pre-Investigation, Confirmed Release: Confirmed release as by definition
Investigation: Ongoing assessment of environmental impact
Cleanup: Physical removal of contamination ongoing
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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Bernalillo County (cont.)					
Albuquerque (cont.)	Carder Concrete A, Brewer Hydro-Conduit	792	27234	2800 2nd St Southwest	Investigation, Responsible Party
	Carnue/Deadmans	34	27249	Hwy 66 Carnuel Exit	Referred to Ground Water Quality Bureau
	CEI Enterprises	802	27280	6501 Broadway SE	Pre-Investigation, Confirmed Release
	Chevron Isleta (South Valley)	314	30681	3401 Isleta Southwest	Aggr Cleanup Completed, St Lead, CAF
	Chevron Terminal	1054	26453	3200 S Broadway	Referred to Ground Water Quality Bureau
	Cigarette Shop	2175	27363	2401 Isleta Southwest	Investigation, Responsible Party
	Circle K Store #2706334, Formerly Plateau 123	3723	47620	7524 Menaul Blvd NE	Cleanup, Responsible Party
	Climate Roofing	1028	27427	2700 Isleta Southwest	Cleanup, State Lead with CAF
	Conservancy Oil	1662	27501	2220 2nd Southwest	Aggr Cleanup Completed, Resp Party
	Contract Carriers	411	27513	830 Broadway NE	Aggr Cleanup Completed, Resp Party
	Cook Constr Co	1911	27516	506 Carmony Lane NE	Cleanup, Responsible Party
	D and M , Lee's Conoco #2	4517	27606	3900 Isleta Blvd Southwest	Cleanup, Responsible Party
	Davis Charles, Tito's Garage	688	27641	829 Bridge St	Investigation, Responsible Party

Source: NMED, 2014e

[a] Determined according to latitude/longitude information in NMED database. In some cases this information was inconsistent with the facility address, and where such an inconsistency was identified, county and city were instead determined based on the facility address.

[b] Sites with No Further Action status (release considered mitigated) are not included. Information regarding such sites can be found on the NMED website (http://www.nmenv.state.nm.us/ust/lists.html

[c] Information appears as listed in the NMED database.

[d] Pre-Investigation, Suspected Release: Release not confirmed by definition
Pre-Investigation, Confirmed Release: Confirmed release as by definition
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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Bernalillo County (cont.)					
Albuquerque (cont.)	East Mountain Const	2330	27830	3625 High St NE	Investigation, Responsible Party
	Fina Oil Lomas	2322	29101	400 Lomas NE	Cleanup, State Lead with CAF
	Fina Truck Stop	1685	28027	1915 Menaul Blvd NE	Cleanup, Responsible Party
	Firestone Store 44202, Firestone Store #44w2	2845	28045	701 Central Northwest	Investigation, Responsible Party
	Ford Utilities Building	3207	28077	300 University Blvd NE	Cleanup, Responsible Party
	Former Circle K 479	614	28102	5601 Bluewater Rd Northwest	Investigation, Responsible Party
	Former Pauls Place	3110	28121	7026 Isleta Blvd Southwest	Aggr Cleanup Completed, Resp Party
	G&S Community	53	28207	6100 Isleta Blvd Southwest	Aggr Cleanup Completed, St Lead, CAF
	Gas and Save	4616	31053	2901 Eubank Blvd NE	Investigation, Responsible Party
	Gas Card 1	3368	1279	3319 Carlisle NE	Cleanup, Responsible Party
	Gas Card 2C	4527	1280	1816 Fourth Northwest	Aggr Cleanup Completed, St Lead, CAF
	Gas Man #447	2505	30372	6502 4th St Northwest	Cleanup, Responsible Party
	Gasamat 552	3304	1283	915 Bridge Southwest	Cleanup, Responsible Party
	Giant 844, Texaco I	978	30754	2401 San Mateo NE	Pre-Investigation, Confirmed Release

Source: NMED, 2014e

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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Bernalillo County (cont.)					
Albuquerque (cont.)	Giant DBA Gasman 7442, Atex 213	28	31815	3501 Isleta Blvd Southwest	Aggr Cleanup Completed, St Lead, CAF
	Giant DBA Gasman 7445, Atex 212 (Gasho	1059	31816	1312 Bridge Southwest	Aggr Cleanup Completed, St Lead, CAF
	Giant DBA Gasman 7446, Atex 218 (Gashouse)	347	31817	937 Isleta Blvd Southwest	Aggr Cleanup Completed, Resp Party
	Giant Sales Terminal, Tex Term Ko Tan	1242	28322	3209 Broadway SE	Referred to Ground Water Quality Bureau
	Glover Eva and Jim, Yale Auto Sales	678	1361	523 Yale SE	Cleanup, State Lead with CAF
	Herrera School Buses and Coaches Inc 1, Herrera Bus	370	28514	1140 Sunset Rd Southwest	Aggr Cleanup Completed, St Lead, CAF
	Isleta Chevron, Everready Isleta	78	1421	7630 Isleta Blvd Southwest	Cleanup, Responsible Party
	ITRI #2	1625	28676	Area Y Bldg 9200	Cleanup, Federal Facility
	Jim's Automotive	2048	28759	4411 Lead Ave SE	Cleanup, Responsible Party
	K & M Construction	1645	28815	1914 Menaul NE	Cleanup, Responsible Party

Source: NMED, 2014e

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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Bernalillo County (cont.)					
Albuquerque (cont.)	KAFB -- Manzano Site 58	914	28919	Manzano Area	Cleanup, Federal Facility
	KAFB Lovelace	278	28882	E of Lovelace Rd and	Cleanup, Federal Facility
	Karler Packing	193	28825	9111 Broadway SE	Investigation, Responsible Party
	Kirtland ANG #112	1636	28929	Building 1070	Pre-Investigation, Suspected Release
	Kirtland Food Plaza	3688	28944	1620 Carlisle SE	Investigation, Responsible Party
	Lee and Blakely Feed Store	3380	29071	3031 Isleta Blvd Southwest	Cleanup, Responsible Party
	Lee's Conoco	2618	27606	3900 Isleta Blvd Southwest	Cleanup, Responsible Party
	Loves Budget	715	29166	2201 6th St Northwest	Investigation, Responsible Party
	Loves Budget Fuel 21	3686	29166	2201 6th St Northwest	Cleanup, Responsible Party
	Loves Country Store 210	4554	29166	2201 6th St Northwest	Cleanup, Responsible Party
	Loves Country Store 210	4595	29166	2201 6th St Northwest	Investigation, Responsible Party
	Manzano Western	2535	29258	615 Wyoming SE	Investigation, Responsible Party
	NICO Dale St Bulk Plant	4440	52262	105 Dale St SE	Investigation, Responsible Party
	Old Horn Oil Station Isleta	851	28600	430 Isleta Southwest	Aggr Cleanup Completed, St Lead, CAF
	Peligro LLC, Plateau 119a	3130	30001	5565 Fourth St Northwest	Aggr Cleanup Completed, Resp Party
	Pit Stop	3379	29986	305 Isleta Blvd Southwest	Aggr Cleanup Completed, Resp Party

Source: NMED, 2014e

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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Bernalillo County (cont.)					
Albuquerque (cont.)	Plateau #119	12	30001	5565 Fourth St Northwest	Aggr Cleanup Completed, Resp Party
	Plateau #124/2	2467	30002	2124 San Mateo NE	Cleanup, Responsible Party
	Pnm Transfer Station	3219	1960	First and Lomas	Cleanup, Responsible Party
	Pollo Mexicano (Bobs Burger)	189	27164	3627 Isleta Blvd Southwest	Aggr Cleanup Completed, Resp Party
	Pump N Save 50, Barelas Bridge	54	29854	800 Bridge Southwest	Aggr Cleanup Completed, St Lead, CAF
	Quality Pontiac	3534	1696	1300 Lomas Blvd NE	Cleanup, Responsible Party
	Rio Grande Oil Co A	4659	30243	Hwy 66 W 12605 Central Northwest	Pre-Investigation, Confirmed Release
	Roberts Oil Co Inc Neantu, Pump N Save	2236	1744	2204 Menaul NE	Investigation, Responsible Party
	Roberts Oil E	3446	1737	5231 San Mateo NE	Investigation, Responsible Party
	Roberts Oil J	3235	1746	1001 Coors Blvd Southwest	Cleanup, Responsible Party
	Rodgers Drilling	407	30287	2615 Isleta Blvd Southwest	Aggr Cleanup Completed, St Lead, CAF
	Ryder Truck	6	30366	2225 First St	Cleanup, Responsible Party
	Ryder Truck 2	3551	30366	2225 First St	Cleanup, Responsible Party
	Ryder Truck 3	3552	30366	2225 First St	Cleanup, Responsible Party

Source: NMED, 2014e

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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Bernalillo County (cont.)					
Albuquerque (cont.)	Sandia National Labs, Building 605	4452	30432	1515 Eubank SE	Investigation Federal Facility
	SANL 6500	291	27099	PO Box 5800	Investigation Federal Facility
	SANL 6587	369	27107	PO Box 5800	Cleanup, Federal Facility
	SANL 6596-5	2266	27115	PO Box 5800	Investigation, Responsible Party
	SANL 6630-1	2267	27125	PO Box 5800	Investigation Federal Facility
	SANL 6720-1	2268	27127	PO Box 5800	Investigation Federal Facility
	SANL 9970-1	2269	27150	PO Box 5800	Investigation Federal Facility
	SANL CCTF Bldg 9939 - 1	3191	27149	PO Box 5800	Cleanup, Federal Facility
	SANL TA3 Bldg 6523	3227	27102	TECH AREA III	Cleanup, Federal Facility
	SANL/605	672	27095	PO Box 5800	Cleanup, Federal Facility
	SANL/6587	2093	27108	PO Box 5800	Investigation Federal Facility
	SANL/6597	1811	27117	PO Box 5800	Investigation Federal Facility
	SANL/888	673	27137	PO Box 5800	Investigation Federal Facility
	Schwartzman Trust A	1160	30515	3301 2nd Street Southwest	Cleanup, Responsible Party

Source: NMED, 2014e

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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Bernalillo County (cont.)					
Albuquerque (cont.)	SE Public Service, Joe G Maloof A	18	28764	523 Commercial St NE	Cleanup, Responsible Party
	Snodgrass Well	30	27249	Hwy 66 Carnuel Exit	Aggr Cleanup Completed, Federal Facility
	Snodgrass Well	30	27249	Hwy 66 Carnuel Exit	Referred to Ground Water Quality Bureau
	Stewart Site	1228	30784	7540 Isleta Southwest	Aggr Cleanup Completed, Resp Party
	Supervalu Bellamah Site	459	30842	1239 Bellamah Ave Northwest	Aggr Cleanup Completed, Resp Party
	Thriftway Islet	1244	1923	3339 Isleta Blvd Southwest	Aggr Cleanup Completed, Resp Party
	Truett Conoco	838	31216	4100 Pennsylvania	Cleanup, Responsible Party
	Unocal Plaza	668	31184	2501 University NE	Investigation, Responsible Party
	Vickers 2494, JKSR LLC DBA Menaul Gas & Food	7	31486	2523 4th Northwest	Aggr Cleanup Completed, St Lead, CAF
	Western Mobile	2089	2007	1302 Menaul NE	Aggr Cleanup Completed, Resp Party
Canoncito	Canoncito Grocery	2284	1018	Canoncito Day School Rd	Cleanup, Responsible Party
Tijeras	Canyon Auto Ser	1075	27210	844 E Hwy 66	Cleanup, State Lead with CAF

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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Bernalillo County (cont.)					
Tijeras (cont.)	East Mt Fuel Site, East Command Ctr	2563	973	15 S Zamora Road	Cleanup, Responsible Party
	Former Havens Trucking Site	4493	54524	State Rd 337	Investigation, Responsible Party
	Indian Hills/Canyon Auto	611	28654	800 E Hwy 66	Cleanup, State Lead with CAF
Valencia County					
Belen	A Market Place	2869	26331	1536 E River Rd	Cleanup, State Lead with CAF
	Akin Texaco	1071	26411	S Belen At I 25	Cleanup, Responsible Party
	Atex/T-Gas #206	2232	26720	1224 S Main St	Investigation, Responsible Party
	Bacas Auto Sales	1998	26826	1301 S Main	Cleanup, Responsible Party
	Caldwell Motor Co - Belen	4068	53039	401 N Main	Investigation, Responsible Party
	Casey Luna	118	27271	Po Drawer 1279	Referred to Ground Water Quality Bureau
	Casey Luna Ford	1608	27271	Po Drawer 1279	Aggr Cleanup Completed, Resp Party
	Castillo Ready Mix Concrete Inc.	4574	54663	06 Lopez Loop	Investigation, Responsible Party
	Chevron 75644	462	27326	701 N Main	Cleanup, Responsible Party
	Circle K 289	2149	1080	700 N Main St	Cleanup, Responsible Party

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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Valencia County (cont.)					
Belen (cont.)	City of Belen fuel yard	1650	26884	5th and Becker St	Aggr Cleanup Completed, Resp Party
	Diamond Shamrck	659	29412	1003 S Main	Cleanup, State Lead with CAF
	Former Fox LP Bell Gas #1187	4618	28156	19514 Hwy 314	Cleanup, Responsible Party
	Former Gugguno Property	4017	31021	616 N Main	Aggr Cleanup Completed, Resp Party
	Fox LP Gas Co Inc	4400	28156	19514 Hwy 314	Cleanup, Responsible Party
	Hodges Oil West Chavez Bulk Plant	4543	51213	West Chavez Ave	Pre-Investigation, Confirmed Release
	McCasland Motor Chev	227	29311	315 N Main	Aggr Cleanup Completed, Resp Party
	Mike's Auto Detail	4019	29415	1010 S Main	Cleanup, State Lead with CAF
	MRGCD Conservation District	361	29505	200 De Soto	Cleanup, State Lead with CAF
	National Guard Armory , State Army Board	351	29554	715 S Main	Cleanup, Responsible Party
	Nmshtd Belen	794	951	22 General E Baca Road	Cleanup, Responsible Party
	Ortegas Garage	3724	29810	200 E Reinken	Investigation, Responsible Party
	Rio Commun. SVC Sta	1749	30239	400 Rio Communities Way	Cleanup, Responsible Party
	Rio Grande Oil Co.	2270	30245	222 N Main	Cleanup, Responsible Party

Source: NMED, 2014e

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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Valencia County (cont.)					
Belen (cont.)	S & L Svc Corp	1194	30370	344 Clara Lane	Cleanup, Responsible Party
	Shell N. Main	433	30575	500 Block N Main	Aggr Cleanup Completed, St Lead, CAF
	Tabet Lumber Co	2323	30927	606 Baca Ave	Investigation, Responsible Party
	Texaco Tonys	432	31153	19 Chavez Rd	Aggr Cleanup Completed, Resp Party
	Village Market	69	31505	601 Reiken	Cleanup, Responsible Party
Bosque	Bosque Trading Post	1868	27022	1006 B Old Hwy 85	Investigation, Responsible Party
	D&B Glass(Old Akin Texaco)	2412	27602	335 Bosque Farms Blvd	Investigation, State Lead, CAF
	Didios	3111	27739	16559 B	Aggr Cleanup Completed, Resp Party
Bosque Farms	Atex/T-Gas #150	2233	30005	650 Bosque Farms Blvd	Cleanup, Responsible Party
	Former CirclE K #751	2522	1124	Po Box 2455	Cleanup, Responsible Party
	Giant Gasamat 889/559	1008	28319	435 Bosque Farms Blvd	Aggr Cleanup Completed, Resp Party
	Jones Gulf and Pawn	2449	28789	2235 Bosque Farms Blvd	Investigation, Responsible Party
	Phillips 66 Bosque	2791	1636	1075 Bosque Farms Blvd	Investigation, Responsible Party
Jarales	Midway Grocery	4098	53478	414 A Jarales Rd	Investigation, Responsible Party
Los Chavez	Atex 354/Allsps 137	423	9814	4603 Hwy 85 Southwest	Aggr Cleanup Completed, Resp Party
Los Lunas	Midway Grocery	4098	53478	414 A Jarales Rd	Investigation, Responsible Party

Source: NMED, 2014e

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Table 5-12. Leaking Underground Storage Tank Sites in the Middle Rio Grande Water Planning Region

City [a]	Release/Facility Name [b,c]	Release ID	Facility ID	Physical Address [c]	Status [d]
Valencia County (cont.)					
Los Lunas (cont.)	Atex 354/Allsps 137	423	9814	4603 Hwy 85 Southwest	Aggr Cleanup Completed, Resp Party
	MIDWAY GROCERY	4098	53478	414 A Jarales Rd	Investigation, Responsible Party
	Atex 354/Allsps 137	423	9814	4603 Hwy 85 Southwest	Aggr Cleanup Completed, Resp Party
	Midway Grocery	4098	53478	414 A Jarales Rd	Investigation, Responsible Party
	Atex 354/Allsps 137	423	9814	4603 Hwy 85 Southwest	Aggr Cleanup Completed, Resp Party
	Midway Grocery	4098	53478	414 A Jarales Rd	Investigation, Responsible Party
	Atex 354/Allsps 137	423	9814	4603 Hwy 85 Southwest	Aggr Cleanup Completed, Resp Party
	Midway Grocery	4098	53478	414 A Jarales Rd	Investigation, Responsible Party
	Atex 354/Allsps 137	423	9814	4603 Hwy 85 Southwest	Aggr Cleanup Completed, Resp Party
	Midway Grocery	4098	53478	414 A Jarales Rd	Investigation, Responsible Party
Peralta	Peralta Shamrock	833	26788	3655 Hwy 47	Investigation, Responsible Party

Source: NMED, 2014e

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Table 5-13. Landfills in the Middle Rio Grande Water Planning Region

County	Landfill Name [a]	Landfill Operating Status	Landfill Closure Date
Sandoval	Cochiti Lake	Closed	—
	Cochiti Pueblo	Closed	—
	Cuba Landfill	Closed	—
	Jemez Mountain	Closed	—
	Jemez Pueblo	Closed	—
	Pena Blanca	Closed	—
	Rio Rancho	Open	NA
	San Ysidro Landfill	Closed	—
	Sandia Pueblo	Closed	—
	Sandoval County Landfill and Composting Facility	Open	NA
	Santa Ana Pueblo	Closed	—
	Santa Domingo	Closed	—
Bernalillo	Albuquerque Downs	Closed	—
	Atrisco	Closed	1969
	Belen Landfill	Closed	—
	Cerro Colorado	Open	NA
	City River	Closed	1940s
	Coronado	Closed	1966
	Crawford (Dead Mans Curve)	Closed	1985
	KAFB	Closed	—
	Los Angeles	Closed	1983
	Mesa del Sol Landfill	Closed	—
	Nazareth	Closed	1972
	Nine Mile Hill	Closed	1978
	Riverside	Closed	1992
	Russ Pitney	Closed	1984
	Sacramento	Closed	1962
	San Antonio	Closed	1970
	Sandia Labs	Closed	—
	Santa Fe Pacific Coal	Closed	—
	Seay Brothers	Closed	1995

Sources: MRCOG and MRGWA, 2004 ; COA, 2006; NMED, 2000, 2007, 2013, 2014c

[a] Names appear as listed in the NMED database.

NA = Not applicable

— = Information not available

Table 5-13. Landfills in the Middle Rio Grande Water Planning Region

County	Landfill Name [a]	Landfill Operating Status	Landfill Closure Date
Bernalillo (cont.)	South Broadway (Mesa del Sol)	Closed	1990
	South Eubank	Closed	1978
	South Yale	Closed	1965
	Southwest (LLC) C&D	Open	NA
	Tijeras Canyon (Chamisoso Canyon)	Closed	1981
	W. W. Cox	Closed	1989
	Wyndham Hotel Fill	Closed	—
Valencia	Belen	Closed	—
	Isleta Pueblo	Closed	—
	Los Lunas Landfill	Closed	—
	Valencia County Landfill	Closed	—
	Valencia Regional Landfill and Recycling Facility	Open	NA

Sources: MRCOG and MRGWA, 2004 ; COA, 2006; NMED, 2000, 2007, 2013a, 2014c

[a] Names appear as listed in the NMED database.

NA = Not applicable

— = Information not available

Table 6-1. Total Diversions in the Middle Rio Grande Water Planning Region in 2010

Water Use Category	Diversions (acre-feet)														
	Sandoval County			Bernalillo County			Torrance County			Valencia County			Planning Region		
	Surface Water	Ground-water	Total	Surface Water	Ground-water	Total	Surface Water	Ground-water	Total	Surface Water	Ground-water	Total	Surface Water	Ground-water	Total
Public water supply	219	15,696	15,915	45,152	64,951	110,103	0	0	0	0	6,554	6,554	45,372	87,200	132,572
Domestic (self-supplied)	0	2,544	2,544	0	2,369	2,369	0	0	0	0	3,686	3,686	0	8,599	8,599
Irrigated agriculture	48,322	624	48,946	43,309	2,604	45,913	0	0	0	160,215	11,407	171,622	251,846	14,635	266,481
Livestock (self-supplied)	58	72	130	4	228	232	1	6	7	47	841	888	109	1,147	1,256
Commercial (self-supplied)	17	2,848	2,865	0	8,991	8,991	0	0	0	0	221	221	17	12,060	12,077
Industrial (self-supplied)	0	3,066	3,066	0	1,072	1,072	0	0	0	0	331	331	0	4,469	4,469
Mining (self-supplied)	0	275	275	0	89	89	0	0	0	0	179	179	0	543	543
Power (self-supplied)	0	0	0	0	466	466	0	0	0	0	6	6	0	472	472
Reservoir evaporation	5,170	0	5,170	0	0	0	0	0	0	0	0	0	5,170	0	5,170
Total	53,786	25,125	78,910	88,465	80,770	169,235	1	6	7	160,262	23,225	183,488	302,514	129,126	431,640

Source: Longworth et al., 2013

Table 6-2. Comparison of Projected and Actual 2010 Population

County	2004 Regional Water Plan Projected Population [a]		Actual Population 2010 U.S. Census [b]	
	High (Series A)	Low (Series C)	Entire County	County Portion Within Planning Region
Sandoval	139,803	123,764	135,383	130,529
Bernalillo	663,050	619,581	662,564	656,267
Valencia	98,083	86,089	76,569	76,569
Total Region	900,936	829,434	874,516	863,365

[a] MRCOG and MRGWA, 2004 (for entirety of counties)

[b] U.S. Census Bureau, 2014a

Table 6–3. Middle Rio Grande Population Projections July 1, 2010 to July 1, 2060

a. Annual Growth Rate

County	Projection	Growth Rate (%)				
		2010-2020	2020-2030	2030-2040	2040-2050	2050-2060
Bernalillo	High	1.28	1.28	0.91	0.87	0.82
	Low	0.96	0.77	0.68	0.59	0.49
Sandoval	High	2.27	2.32	1.83	1.41	0.96
	Low	0.00	0.54	0.49	0.44	0.39
Valencia	High	0.90	1.10	0.81	0.72	0.63
	Low	0.59	0.54	0.49	0.44	0.39

b. Projected Population

County	Projection	Population					
		2010	2020	2030	2040	2050	2060
Bernalillo	High	656,267	745,322	846,835	926,946	1,010,371	1,096,253
	Low	656,267	721,894	779,645	834,220	884,274	928,487
Sandoval	High	130,529	163,357	205,405	246,137	283,058	311,363
	Low	130,529	130,529	137,708	144,593	151,100	157,144
Valencia	High	76,569	83,782	93,459	101,272	108,867	115,943
	Low	76,569	81,163	85,627	89,908	93,954	97,713

Source: Poster Enterprises, 2014

Table 6-4. 2010 Water Withdrawals for Drinking Water Supply Systems and Rural Self-Supplied Homes

OSE Declared Groundwater Basin(s) [a]	Water Supplier [b]	Population	Per Capita Use (gpcd)	Withdrawals (acre-feet)	
				Surface Water	Groundwater
Sandoval County					
Rio Grande(Northern)	Cochiti Lake Water System [c]	114	156	0	20
	Pena Blanca MDWCA	465	82	0	42
Rio Grande (Middle)	Algodones WUA	675	24	0	18
	Anasazi Trails Water Cooperative	105	174	0	21
	Bernalillo Water System	9,200	117	0	1,209
	Cañon MDWCA	320	129	0	46
	Cedar Creek Water Cooperative Inc.	153	39	0	7
	Corrales Village [c]	83	191	0	18
	Cuba Water System	800	161	0	144
	Desert Sky Mountain Water Cooperative	114	90	0	11
	Hofheins/Marcel Thomas Assoc Coop Inc (Rio Grande)	83	69	6	0
	Homestead Village	120	52	0	7
	Jemez Canyon Estates DWCA	250	71	0	20
	Jemez Springs MDWCA (Rio Grande)	1,500	113	110	80
	La Jara Water Users Association (Rio Grande)	450	44	22	0
	La Mesa Water Co-Op	650	121	0	88
	La Puerta (Rio Grande)	30	172	5	0
	Las Acequias De Placitas (Rio Grande)	108	607	73	0
	North Ranchos de Placitas	426	98	0	47
	Orchard Estates Faculty Lane Water Assoc	36	152	0	6
	Overlook Water Cooperative/ J & J Utilities	122	89	0	12

Source: Longworth et al., 2013, unless otherwise noted.

[a] Determined based on NMED Drinking Water Bureau water supply source locations (NMOSE water use database doesn't distinguish groundwater basin).

[b] For systems supplied by surface water withdrawals, the surface water basin is provided in parentheses.

[c] Groundwater basin assumed based on geographical location of water supplier

gpcd = Gallons per capita per day
NA = Information not available

Table 6-4 2010 Water Withdrawals for Drinking Water Supply Systems and Rural Self-Supplied Homes

OSE Declared Groundwater Basin(s) [a]	Water Supplier [b]	Population	Per Capita Use (gpcd)	Withdrawals (acre-feet)	
				Surface Water	Groundwater
Sandoval County (cont.)					
Rio Grande (Middle) (cont.)	Placitas Trails Water Co-op	375	105	0	44
	Placitas West Water Co-Op	110	116	0	14
	Ponderosa MDWCA	406	91	0	42
	Pueblo Los Cerros Browood	200	132	0	30
	Ranchos de Placitas Sanitation Dist	300	116	0	39
	Regina MDWCA (Rio Grande)	550	58	2	33
	Rio Rancho - City of	82,154	147	0	13,563
	Rio Rancho Estates (Mike Rowland) [c]	168	46	0	9
	San Ysidro	240	113	0	30
	Sierra Los Pinos Home Owners Ass	300	80	0	27
	Sile MDWCA	168	89	0	17
	Vista del Oro de Placitas	72	97	0	39
NA	Cielo Vista Water Cooperative	50	28	0	2
	La Cueva Hermosa	25	265	0	7
	Puesta Del Sol	30	77	0	3
	Sandoval County public water supply totals	100,952		219	15,696
	County-wide public water supply per capita use		141		
Rio Grande (Middle and Northern)	Rural self-supplied homes (Rio Grande)	19,966	80	0	1,789
Rio Grande (Middle)	Corrales self-supplied [c] (Rio Grande)	8,424	80	0	755
	Sandoval County domestic self-supplied totals	28,390		0	2,544
	County-wide domestic self-supplied per capita use		80		

Source: Longworth et al., 2013, unless otherwise noted.

[a] Determined based on NMED Drinking Water Bureau water supply source locations (NMOSE water use database doesn't distinguish groundwater basin).

[b] For systems supplied by surface water withdrawals, the surface water basin is provided in parentheses.

[c] Groundwater basin assumed based on geographical location of water supplier

gpcd = Gallons per capita per day

NA = Information not available

Table 6-4 2010 Water Withdrawals for Drinking Water Supply Systems and Rural Self-Supplied Homes

OSE Declared Groundwater Basin(s) [a]	Water Supplier [b]	Population	Per Capita Use (gpcd)	Withdrawals (acre-feet)	
				Surface Water	Groundwater
Bernalillo County					
Estancia	Entranosa Water and Wastewater Coop [part]	7,844	59	0	519
Rio Grande (Middle)	ABCWUA (Rio Grande)	606,780	157	45,099	61,618
	Baker's/ Hamilton Mobile Home Park	200	133	0	30
	Barcelona Mobile Home Park	350	70	0	28
	Chamisa Mobile Home Park	55	100	0	6
	Coronado Village Country Club	870	97	0	95
	Desert Palms Mobile Home Park	210	101	0	24
	Green Acres Mobile Home Park	150	133	0	22
	Hamilton Mobile Home Park	69	59	0	5
	Homestead Mobile Home Community	185	46	0	10
	Kirtland Air Force Base	3,560	176	0	702
	La Mesa Villa Mobile Home Park, LLC1	85	95	0	9
	Mountain View Mobile Home Park	90	97	0	10
	NM Waterworks, LLC	115	100	0	13
	North Court Mobile Home Park	100	251	0	28
	Oakland Heights Homeowners Assn.	31	108	0	4
	Paakweree Village Water Co-Op Assoc, Inc	110	100	0	12
	San Luis Cabezon MDWCA	200	100	0	22
	Sandia Peak Utility Company	5,935	146	0	971
	South Hills water Company	600	88	0	59
	Sunburst Ranch--South Hills Wtr Co.	560	107	0	67

Source: Longworth et al., 2013, unless otherwise noted.

[a] Determined based on NMED Drinking Water Bureau water supply source locations (NMOSE water use database doesn't distinguish groundwater basin).

[b] For systems supplied by surface water withdrawals, the surface water basin is provided in parentheses.

[c] Groundwater basin assumed based on geographical location of water supplier

gpcd = Gallons per capita per day
NA = Information not available

Table 6-4 2010 Water Withdrawals for Drinking Water Supply Systems and Rural Self-Supplied Homes

OSE Declared Groundwater Basin(s) [a]	Water Supplier [b]	Population	Per Capita Use (gpcd)	Withdrawals (acre-feet)	
				Surface Water	Groundwater
Bernalillo County (cont.)					
Rio Grande (Middle) (cont.)	Sunset Hills Estates Homeowners Ass	75	375	0	31
	Tierra Monte WUA	85	71	0	7
	Tierra West Estates--MHP	2,000	100	0	224
	Tom's Mobile Home Park	50	56	0	3
	Tranquillo Pines Water System [part]	375	52	0	22
	Valle Grande Mobile Home Park	137	91	0	14
	Ventura Estates	100	215	0	24
Rio Grande (Middle) Sandia	Tijeras Village	500	49	0	27
Sandia	Cedar Crest MDWC & SWC	50	188	0	11
	Forest Park Property Owners Coop	235	75	0	20
	Fox Hills WUA	69	36	0	3
	Liesure Mountain Mobile Home Park	162	100	0	18
	Old Sandia Park Service CO-OP (Rio Grande)	200	238	53	0
	Sierra Vista Mutual Domestic Association/Sierra Vista Utilidades Co-op	300	127	0	43
	Sierra Vista South Water Co-Op	128	88	0	13
	The Rincon Water Cooperative	392	63	0	27
	Tijeras Land Estates Water System	170	90	0	17
	Vista Bonita Water Co-op	45	45	0	2
	Vista De Manana	80	50	0	4

Source: Longworth et al., 2013, unless otherwise noted.

[a] Determined based on NMED Drinking Water Bureau water supply source locations (NMOSE water use database doesn't distinguish groundwater basin).

[b] For systems supplied by surface water withdrawals, the surface water basin is provided in parentheses.

[c] Groundwater basin assumed based on geographical location of water supplier

gpcd = Gallons per capita per day
NA = Information not available

Table 6-4 2010 Water Withdrawals for Drinking Water Supply Systems and Rural Self-Supplied Homes

OSE Declared Groundwater Basin(s) [a]	Water Supplier [b]	Population	Per Capita Use (gpcd)	Withdrawals (acre-feet)	
				Surface Water	Groundwater
Bernalillo County (cont.)					
NA	Juan Road Water System	34	69	0	3
	La Cueva Estates Community Association	300	144	0	48
	Lisa Property Water System	50	54	0	3
	New Mexico Water Service Company/Sandia Knolls/Independent Utility Co.	1,260	57	0	81
	Safariland Mobile Home Park	40	95	0	4
	Van Gelder, Charles	20	69	0	2
	Western Heights Mobile Home Park	168	250	0	47
Bernalillo County public water supply totals		635,124		45,152	64,951
County-wide public water supply per capita use			155		
Rio Grande (Middle)	Corrales self-supplied homes [part] [c] (Rio Grande)	382	100	0	43
Rio Grande (Middle) Sandia	Rural self-supplied homes (Rio Grande)	20,679	100	0	2,326
Bernalillo County domestic self-supplied totals		21,061		0	2,369
County-wide domestic self-supplied per capita use			100		
Valencia County					
Rio Grande (Middle)	Belen Water System	9,780	165	0	1,813
	Bosque Farms Water Supply System	4,000	76	0	339
	Bosque Gardens MDWCA	140	133	0	21
	Central New Mexico Correctional Facility	1,620	52	0	94
	Correo Water Association	222	100	0	25

Source: Longworth et al., 2013, unless otherwise noted.

[a] Determined based on NMED Drinking Water Bureau water supply source locations (NMOSE water use database doesn't distinguish groundwater basin).

[b] For systems supplied by surface water withdrawals, the surface water basin is provided in parentheses.

[c] Groundwater basin assumed based on geographical location of water supplier

gpcd = Gallons per capita per day
NA = Information not available

Table 6-4 2010 Water Withdrawals for Drinking Water Supply Systems and Rural Self-Supplied Homes

OSE Declared Groundwater Basin(s) [a]	Water Supplier [b]	Population	Per Capita Use (gpcd)	Withdrawals (acre-feet)	
				Surface Water	Groundwater
Valencia County (cont.)					
Rio Grande (Middle) (cont.)	D & J Mobile Home Park	17	96	0	2
	El Shaddai Mobile Home Park	75	130	0	11
	Hi Mesa Estates Water Coop	134	72	0	11
	Highland Meadows Estates MDWCA	61	112	0	8
	JC Mobile Home Park	35	92	0	4
	Loma Escondida Water Association	50	100	0	6
	Los Lunas Water System	14,284	157	0	2,508
	Meadow Lake Water System [operator: NMWSC]	2,310	93	0	240
	Monterey Water Company, Inc.	1,840	49	0	101
	New Mexico Water Service Company [Cypress Gardens Water Users Association]	1,448	66	0	107
	New Mexico Water Service Company/Rio Del Oro/Rio Communities	7,305	152	0	1,245
	Santa Socorro Trailer Park	48	28	0	1
	Senior Living Systems, Inc.	50	49	0	3
	Silver Spruce Estates Water Company	70	130	0	10
	Trails End Mobile Home Park	120	28	0	4
	Trinity Mobile Home Park	50	30	0	2
Valencia County public water supply totals		43,659		0	6,554
County-wide public water supply per capita use			134		

Source: Longworth et al., 2013, unless otherwise noted.

[a] Determined based on NMED Drinking Water Bureau water supply source locations (NMOSE water use database doesn't distinguish groundwater basin).

[b] For systems supplied by surface water withdrawals, the surface water basin is provided in parentheses.

[c] Groundwater basin assumed based on geographical location of water supplier

gpcd = Gallons per capita per day
NA = Information not available

Table 6-4 2010 Water Withdrawals for Drinking Water Supply Systems and Rural Self-Supplied Homes

OSE Declared Groundwater Basin(s) [a]	Water Supplier [b]	Population	Per Capita Use (gpcd)	Withdrawals (acre-feet)	
				Surface Water	Groundwater
Valencia County (cont.)					
Rio Grande (Middle)	Rural self-supplied homes (Rio Grande)	32,910	100	0	3,686
	Valencia County domestic self-supplied totals	32,910		0	3,686
	County-wide domestic self-supplied per capita use		100		
Torrance County					
Rio Grande (Middle)	Rural self-supplied homes (Rio Grande)	3	80	0	0
	Valencia County domestic self-supplied totals	3		0	0
	County-wide domestic self-supplied per capita use		80		

Source: Longworth et al., 2013, unless otherwise noted.

[a] Determined based on NMED Drinking Water Bureau water supply source locations (NMOSE water use database doesn't distinguish groundwater basin).

[b] For systems supplied by surface water withdrawals, the surface water basin is provided in parentheses.

[c] Groundwater basin assumed based on geographical location of water supplier

gpcd = Gallons per capita per day
NA = Information not available

Table 6-5. Projected Water Demand, 2020 through 2060 Middle Rio Grande Water Planning Region

Use Sector	Projection	Water Demand (acre-feet)					
		2010 [a]	2020	2030	2040	2050	2060
Sandoval County							
Public water supply	High	15,915	19,822	24,653	29,137	33,004	36,175
	Low	15,915	15,915	16,753	17,523	18,220	18,897
Domestic (self-supplied)	High	2,544	3,190	4,017	4,818	5,544	6,101
	Low	2,544	2,544	2,685	2,821	2,949	3,068
Irrigated agriculture	Low/High	48,946	48,946	48,946	48,946	48,946	48,946
Livestock (self-supplied)	High	130	91	98	104	110	117
	Low	130	65	78	91	98	104
Commercial (self-supplied)	High	2,865	3,585	4,508	5,402	6,212	6,833
	Low	2,865	2,865	3,022	3,173	3,316	3,449
Industrial (self-supplied)	High	3,066	3,066	3,066	3,066	3,066	3,066
	Low	3,066	153	307	460	613	766
Mining (self-supplied)	Low/High	275	275	275	275	275	275
Power (self-supplied)	Low/High	0	0	0	0	0	0
Reservoir evaporation	High	5,170	5,220	5,270	5,331	5,411	5,451
	Low	5,170	5,170	5,170	5,170	5,170	5,170
Bernalillo County							
Public water supply	High	110,103	118,564	127,453	133,672	139,531	146,669
	Low	110,103	116,338	121,336	125,598	129,052	132,726
Domestic (self-supplied)	High	2,369	2,690	3,056	3,346	3,647	3,957
	Low	2,369	2,605	2,814	3,011	3,192	3,351
Irrigated agriculture	Low/High	45,913	45,913	45,913	45,913	45,913	45,913
Livestock (self-supplied)	High	232	162	186	197	209	220
	Low	232	139	162	174	186	197
Commercial (self-supplied)	High	8,991	10,212	11,602	12,700	13,843	15,020
	Low	8,991	9,891	10,682	11,430	12,115	12,721
Industrial (self-supplied)	High	1,072	1,340	1,608	1,876	2,144	2,412
	Low	1,072	1,126	1,179	1,233	1,286	1,340
Mining (self-supplied)	Low/High	89	89	89	89	89	89
Power (self-supplied)	High	466	586	611	696	836	836
	Low	466	541	566	641	776	776
Reservoir evaporation	Low/High	0	0	0	0	0	0

[a] Actual withdrawals (Longworth et al., 2013)

Table 6-5 Projected Water Demand, 2020 through 2060 Middle Rio Grande Water Planning Region

Use Sector	Projection	Water Demand (acre-feet)					
		2010 [a]	2020	2030	2040	2050	2060
Valencia County							
Public water supply	High	6,554	7,166	7,977	8,620	9,234	9,821
	Low	6,554	6,944	7,317	7,669	7,997	8,308
Domestic (self-supplied)	High	3,686	4,034	4,500	4,876	5,241	5,582
	Low	3,686	3,908	4,122	4,329	4,523	4,704
Irrigated agriculture	Low/High	171,622	171,622	171,622	171,622	171,622	171,622
Livestock (self-supplied)	High	888	533	622	710	755	799
	Low	888	444	533	622	666	710
Commercial	High	221	242	270	292	314	335
(self-supplied)	Low	221	234	247	260	271	282
Industrial (self-supplied)	High	331	381	430	480	530	579
	Low	331	348	364	381	397	414
Mining (self-supplied)	Low/High	179	179	179	179	179	179
Power (self-supplied)	High	6	61	61	61	61	61
	Low	6	56	56	56	56	56
Reservoir evaporation	Low/High	0	0	0	0	0	0
Torrance County							
Public water supply	Low/High	0	0	0	0	0	0
Domestic (self-supplied)	Low/High	0	0	0	0	0	0
Irrigated agriculture	Low/High	0	0	0	0	0	0
Livestock (self-supplied)	High	7	4	4	5	6	6
	Low	7	3	4	4	5	5
Commercial (self-supplied)	Low/High	0	0	0	0	0	0
Industrial (self-supplied)	Low/High	0	0	0	0	0	0
Mining (self-supplied)	Low/High	0	0	0	0	0	0
Power (self-supplied)	Low/High	0	0	0	0	0	0
Reservoir evaporation	Low/High	0	0	0	0	0	0
Total region							
Public water supply	High	132,572	145,553	160,083	171,429	181,770	192,666
	Low	132,572	139,197	145,406	150,791	155,268	159,932
Domestic (self-supplied)	High	8,599	9,913	11,573	13,039	14,432	15,640
	Low	8,599	9,057	9,622	10,160	10,664	11,123

[a] Actual withdrawals (Longworth et al., 2013)

Table 6-5 Projected Water Demand, 2020 through 2060 Middle Rio Grande Water Planning Region

Use Sector	Projection	Water Demand (acre-feet)					
		2010 [a]	2020	2030	2040	2050	2060
Total region (cont.)							
Irrigated agriculture	Low/High	266,481	266,481	266,481	266,481	266,481	266,481
Livestock (self-supplied)	High	1,250	786	906	1,011	1,074	1,136
	Low	1,250	648	773	887	950	1,011
Commercial (self-supplied)	High	12,077	14,039	16,380	18,394	20,369	22,188
	Low	12,077	12,990	13,951	14,862	15,703	16,452
Industrial (self-supplied)	High	4,469	4,787	5,104	5,422	5,740	6,057
	Low	4,469	1,627	1,850	2,074	2,296	2,520
Mining (self-supplied)	Low/High	543	543	543	543	543	543
Power (self-supplied)	High	472	647	672	757	897	897
	Low	472	597	622	697	832	832
Reservoir evaporation	High	5,170	5,220	5,270	5,331	5,411	5,451
	Low	5,170	5,170	5,170	5,170	5,170	5,170
Total regional demand	High	431,640	447,972	467,016	482,412	496,723	511,064
	Low	431,640	436,313	444,421	451,670	457,911	464,069

[a] Actual withdrawals (Longworth et al., 2013)