
2020-2022
State of New Mexico
Clean Water Act
§303(d)/§305(b)
Integrated Report

Appendix B
Designated Use Attainment Status,
Cause, and Probable Source
Summary Tables



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Table B-1: Designated Use Attainment Status Summary for Stream/River

<i>Designated Use</i>	<i>Total Size (mi)</i>	<i>Size Assessed (mi)</i>	<i>Size Fully Supporting (mi)</i>	<i>Size Not Supporting (mi)</i>	<i>Size Not Assessed (mi)</i>
Coldwater Aquatic Life	830.75	644.28	140.18	504.1	186.47
Coolwater Aquatic Life	360.84	266.4	45.14	221.26	94.44
High Quality Coldwater Aquatic Life	2814.02	2583.03	848.86	1734.17	230.99
Limited Aquatic Life	274.16	103.15	26.19	76.96	171.01
Marginal Coldwater Aquatic Life	988.47	909.21	312.85	596.36	79.26
Marginal Warmwater Aquatic Life	2781.17	1457.3	706.19	751.11	1323.87
Warmwater Aquatic Life	1665.48	1380.87	932.96	447.91	284.61
Primary Contact	7817.63	5146.94	3965.13	1181.81	2670.69
Secondary Contact	839.63	548.6	548.6	0	291.03
Domestic Water Supply	2953.18	2494.2	2473.54	20.66	458.98
Irrigation	6608.01	5661.45	5601.44	60.01	946.56
Livestock Watering	8656.76	6004.34	5881.92	122.42	2652.42
Wildlife Habitat	8657.26	6189.67	5974.34	215.33	2467.59
Fish Culture*	1404.05	--	--	--	1404.05
Industrial Water Supply*	428.34	--	--	--	428.34
Public Water Supply*	777.16	--	--	--	775.79

* = All Fish Culture, Public Water Supply, and Industrial Water Supply designated uses are defaulted to “Not Assessed” because no numeric criteria apply uniquely to these uses per 20.6.4.900.A NMAC.

Table B-2: Designated Use Attainment Status Summary for Lakes/Reservoirs

<i>Designated Use</i>	<i>Total Size (mi)</i>	<i>Size Assessed (mi)</i>	<i>Size Fully Supporting (mi)</i>	<i>Size Not Supporting (mi)</i>	<i>Size Not Assessed (mi)</i>
Coldwater Aquatic Life	25822.69	25748.96	3108.63	22640.33	73.73
Coolwater Aquatic Life	1953.62	652.21	0	652.21	1301.41
High Quality Coldwater Aquatic Life	2359.58	2108.55	57.64	2050.91	251.03
Marginal Coldwater Aquatic Life	249.46	154.47	154.47	0	94.99
Marginal Warmwater Aquatic Life	25522.29	1251.78	15.14	1236.64	24270.51
Warmwater Aquatic Life	48234.56	46963.7	13911.28	33052.42	1270.86
Primary Contact	84600.44	57750.17	57750.17	0	26850.27
Secondary Contact	910.73	389.13	389.13	0	521.6
Domestic Water Supply	2976.68	2725.65	2725.65	0	251.03
Irrigation	5345.27	4894.94	4894.94	0	450.33
Irrigation Storage	46368.62	46368.62	46368.62	0	0
Livestock Watering	85488.54	59029.79	59029.79	0	26458.75
Wildlife Habitat	85511.17	64230.48	64230.48	0	21280.69
Fish Culture*	36.38	--	--	--	36.38
Industrial Water Supply*	18862.33	--	--	--	18862.33
Public Water Supply*	32484.85	--	--	--	32484.85

* = All Fish Culture, Public Water Supply, and Industrial Water Supply designated uses are defaulted to “Not Assessed” because no numeric criteria apply uniquely to these uses per 20.6.4.900.A NMAC.

Table B-3: Cause Summary for Stream/River Water Quality Impairments

<i>Cause Name (GROUP CAUSE NAME in BOLD)</i>	<i>Total Size (miles)</i>
AMMONIA	59.44
Ammonia, Total	59.44
CAUSE UNKNOWN - IMPAIRED BIOTA	128
Benthic Macroinvertebrates	128
FISH CONSUMPTION ADVISORY	109.24
DDT - Fish Consumption Advisory	109.24
HYDROLOGIC ALTERATION	255.38
Flow Regime Modification	255.38
MERCURY	240.26
Mercury - Fish Consumption Advisory	94.79
Mercury, Total	145.47
METALS (OTHER THAN MERCURY)	1138.42
Aluminum, Total Recoverable	579.44
Arsenic, Dissolved	37.34
Cadmium, Dissolved	14.89
Copper, Dissolved	58.52
Lead, Dissolved	34.29
Sedimentation/Siltation	342.59
Selenium, Total Recoverable	69.26
Silver, Dissolved	2.09
NUTRIENTS	1262.09
Nutrients	1231.85
Phosphorus, Total	30.24
ORGANIC ENRICHMENT/OXYGEN DEPLETION	288.5
Dissolved oxygen	288.5
PATHOGENS	1181.81
E. coli	1181.81
PH/ACIDITY/CAUSTIC CONDITIONS	35.01
pH	35.01
POLYCHLORINATED BIPHENYLS (PCBS)	308.61
PCBS - Fish Consumption Advisory	88.86
Polychlorinated Biphenyls (PCBs)	219.75
RADIATION	150.31
Gross Alpha, Adjusted	130.94
Radium	11.6
Uranium, Dissolved	7.77

<i>Cause Name (GROUP CAUSE NAME in BOLD)</i>	<i>Total Size (miles)</i>
SALINITY/TOTAL DISSOLVED SOLIDS/CHLORIDES/SULFATES	334.93
Specific Conductance	261.51
Sulfate	36.71
Total Dissolved Solids (TDS)	36.71
TEMPERATURE	2311.27
Temperature	2311.27
TOXIC INORGANICS	45.95
Boron, Dissolved	23.3
Cyanide, Total Recoverable	22.65
TURBIDITY	793
Turbidity	793

Table B-4: Cause Summary for Lake/Reservoir Water Quality Impairments

<i>Cause Name (GROUP CAUSE NAME in BOLD)</i>	<i>Total Size (acres)</i>
FISH CONSUMPTION ADVISORY	1736.82
DDT - Fish Consumption Advisory	1736.82
MERCURY	51312.38
Mercury - Fish Consumption Advisory	51312.38
METALS (OTHER THAN MERCURY)	325.93
Aluminum, Total Recoverable	92.95
Arsenic, Dissolved	232.98
NUTRIENTS	8017.37
Nutrients	8017.37
ORGANIC ENRICHMENT/OXYGEN DEPLETION	3.82
Dissolved oxygen	3.82
PH/ACIDITY/CAUSTIC CONDITIONS	325.35
pH	325.35
POLYCHLORINATED BIPHENYLS (PCBS)	21094.82
PCBS - Fish Consumption Advisory	21094.82
TEMPERATURE	17610.59
Temperature	17610.59

Table B-5: Probable Source Summary for Stream/River Water Quality Impairments*

<i>Probable Source Name (GROUP SOURCE NAME in BOLD)</i>	<i>Total Size (miles)</i>
AGRICULTURE	4079.79
Animal Feeding Operations (Nps)	88.78
Animal Shows And Racetracks	7.35
Confined Animal Feeding Operations - Cafos (Point Source)	91.68
Crop Production (Dry Land)	384.49
Crop Production (Irrigated)	560.4
Livestock (Grazing or Feeding Operations)	346
Rangeland Grazing	2601.09
CONSTRUCTION	235.35
Road/Bridge/Infrastructure Construction	56.91
Site Clearance (New Development or Infill)	178.44
HABITAT ALTERATIONS (NOT DIRECTLY RELATED TO HYDROMODIFICATION)	921.11
Habitat Modification	209.73
Loss of Riparian Habitat	711.38
HYDROLOGIC ALTERATION	3229.01
Baseflow Depletion	122.24
Channelization	786.89
Dam or Impoundment	556.83
Dredging for Navigation Channels	100.56
Streambank Modifications/Destabilization	1077.39
Water Diversions	585.1
MUNICIPAL DISCHARGES/SEWAGE	1545.32
Municipal Point Source Discharges	385.04
On-site Treatment Systems (Septic)	1160.28
NATURAL/WILDLIFE	3199.45
Drought-related Impacts	857.17
Natural Sources	281.51
Waterfowl	1047.45
Wildlife Other than Waterfowl	1013.32
OTHER	1179.99
Low Water Crossing	588.86
Rural (Residential Areas)	591.13
RECREATION AND TOURISM (NON-BOATING)	596.92
Off-road Vehicles	29.5

Probable Source Name (GROUP SOURCE NAME in BOLD)	Total Size (miles)
Recreational Pollution Sources	567.42
RESOURCE EXTRACTION	105.38
Abandoned Mine Lands	21.31
Mine Tailings	56
Petroleum/Natural Gas Activities	25.94
Surface Mining	2.13
SILVICULTURE (FORESTRY)	836.92
Forest Roads (Road Construction and Use)	98.53
Silviculture Activities	276.84
Silviculture Fire Suppression	115.83
Silviculture Harvesting	19.01
Watershed Runoff following Forest Fire	326.71
SPILLS/DUMPING	272.4
Illegal Dumps Or Other Inappropriate Waste Disposal	272.4
UNKNOWN	3531.37
Source Unknown	3531.37
URBAN-RELATED RUNOFF/STORMWATER	2565.48
Impervious Surface/Parking Lot Runoff	579.38
MS4 Discharges	68.51
Municipal (High Density Area)	74.52
Road/Bridge Runoff	1424.36
Urban Runoff/Storm Sewers	96.39
Wastes from Pets	322.32

NOTES:

These tables were generated using SQUID. In most instances, more than a single cause or probable source of water quality impairment in any assessment unit (AU). When AUs have more than one cause or source of impairment, the associated AU Size is tallied in each cause or probable source category

* As reported in EPA-approved TMDLs. New Mexico has not yet written any lake TMDLs, hence there is no probable source summary to present for this water type.