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2018-2020  
State of New Mexico  
Clean Water Act  
Section 303(d)/  
Section 305(b)  
Integrated Report

Appendix B  
Cause and Source  
Tables



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<b>Cause Summary for Stream/River Water Quality Impairments</b>	<b>Total Size (miles)</b>
<b>AMMONIA</b>	<b>46.25</b>
Ammonia, Total	46.25
<b>CAUSE UNKNOWN - IMPAIRED BIOTA</b>	<b>114.33</b>
Benthic Macroinvertebrates	114.33
<b>FISH CONSUMPTION ADVISORY</b>	<b>122.18</b>
DDT - Fish Consumption Advisory	122.18
<b>HYDROLOGIC ALTERATION</b>	<b>226.78</b>
Flow Regime Modification	226.78
<b>MERCURY</b>	<b>142.06</b>
Mercury, Total	142.06
<b>METALS (OTHER THAN MERCURY)</b>	<b>859.67</b>
Aluminum, Dissolved	18.13
Aluminum, Total Recoverable	364.41
Arsenic, Dissolved	33.62
Cadmium, Dissolved	7.56
Copper, Dissolved	51.56
Lead, Dissolved	7.56
Sedimentation/Siltation	307.37
Selenium, Total Recoverable	49.27
Silver, Dissolved	2.06
Thallium	18.13
<b>NUTRIENTS</b>	<b>1287.95</b>
Nutrients	1264.42
Phosphorus, Total	23.53
<b>ORGANIC ENRICHMENT/OXYGEN DEPLETION</b>	<b>242.28</b>
Dissolved oxygen	242.28
<b>PATHOGENS</b>	<b>1092.43</b>
E. coli	1092.43
<b>PH/ACIDITY/CAUSTIC CONDITIONS</b>	<b>39.61</b>
pH	39.61
<b>POLYCHLORINATED BIPHENYLS (PCBS)</b>	<b>509.41</b>
PCBS - Fish Consumption Advisory	255.13
Polychlorinated Biphenyls (PCBs)	254.28
<b>RADIATION</b>	<b>141.31</b>
Gross Alpha, Adjusted	124.92
Radium	9.62
Uranium, Dissolved	6.77

<b>Cause Summary for Stream/River Water Quality Impairments</b>	<b>Total Size (miles)</b>
<b>SALINITY</b>	<b>367.62</b>
Specific Conductance	258.44
Sulfate	54.59
Total Dissolved Solids (TDS)	54.59
<b>TEMPERATURE</b>	<b>2027.06</b>
Temperature	2027.06
<b>TOXIC INORGANICS</b>	<b>65.17</b>
Boron, Dissolved	25.48
Cyanide, Total Recoverable	39.69
<b>TURBIDITY</b>	<b>675.45</b>
Turbidity	675.45

<b>Cause Summary for Lake/Reservoir Water Quality Impairments</b>	<b>Total Size (acres)</b>
<b>FISH CONSUMPTION ADVISORY</b>	<b>2423.44</b>
DDT - Fish Consumption Advisory	2423.44
<b>MERCURY</b>	<b>50898.85</b>
Mercury - Fish Consumption Advisory	50898.85
<b>METALS (OTHER THAN MERCURY)</b>	<b>334.47</b>
Arsenic, Dissolved	334.47
<b>NUTRIENTS</b>	<b>5749.06</b>
Nutrients	5749.06
<b>PH/ACIDITY/CAUSTIC CONDITIONS</b>	<b>427.53</b>
pH	427.53
<b>POLYCHLORINATED BIPHENYLS (PCBS)</b>	<b>21753.47</b>
PCBS - Fish Consumption Advisory	21753.47
<b>TEMPERATURE</b>	<b>17965.55</b>
Temperature	17965.55

<b>Probable Sources Summary for Stream/River Water Quality Impairments*</b>	<b>Total Size (miles)</b>
<b>AGRICULTURE</b>	<b>2785.31</b>
Animal Feeding Operations (Nps)	84.58
Animal Shows And Racetracks	6.9
Confined Animal Feeding Operations - Cafos (Point Source)	92.89
Crop Production (Dry Land)	103.01
Crop Production (Irrigated)	277.51
Livestock (Grazing or Feeding Operations)	287.89
Rangeland Grazing	1932.53
<b>AQUACULTURE</b>	<b>12.86</b>
Aquaculture (Permitted)	12.86
<b>CONSTRUCTION</b>	<b>166.91</b>
Road/Bridge/Infrastructure Construction	52.05
Site Clearance (New Development or Infill)	114.86
<b>HABITAT ALTERATIONS (NOT DIRECTLY RELATED TO HYDROMODIFICATION)</b>	<b>862.98</b>
Habitat Modification	197.16
Loss of Riparian Habitat	665.82
<b>HYDROLOGIC ALTERATION</b>	<b>1951.33</b>
Baseflow Depletion	66.31
Channel Erosion/Incision due to Upstream Hydromodifications	28.04
Channelization	362.51
Dam or Impoundment	214.42
Dredging for Navigation Channels	95.34
Streambank Modifications/Destabilization	650.69
Water Diversions	534.02
<b>INDUSTRIAL</b>	<b>25.2</b>
Petroleum/Natural Gas Activities (Permitted)	25.2
<b>MUNICIPAL DISCHARGES/SEWAGE</b>	<b>1149.53</b>
Municipal Point Source Discharges	357.4
On-site Treatment Systems (Septic)	792.13
<b>NATURAL/WILDLIFE</b>	<b>2272.65</b>
Drought-related Impacts	723.21
Natural Sources	258.27
Waterfowl	574.32
Wildlife Other than Waterfowl	716.85
<b>OTHER</b>	<b>612.16</b>
Low Water Crossing	386.36
Rural (Residential Areas)	225.8

<b>Probable Sources Summary for Stream/River Water Quality Impairments*</b>	<b>Total Size (miles)</b>
<b>RECREATION AND TOURISM (NON-BOATING)</b>	<b>536.25</b>
Off-road Vehicles	28.09
Recreational Pollution Sources	508.16
<b>RESOURCE EXTRACTION</b>	<b>85.5</b>
Abandoned Mine Lands	19.95
Mine Tailings	38.37
Petroleum/Natural Gas Activities	25.2
Surface Mining	1.98
<b>SILVICULTURE (FORESTRY)</b>	<b>691.45</b>
Forest Roads (Road Construction and Use)	85.37
Silviculture Activities	112.07
Silviculture Fire Suppression	105.99
Silviculture Harvesting	110.36
Watershed Runoff following Forest Fire	277.66
<b>SPILLS/DUMPING</b>	<b>247.56</b>
Illegal Dumps Or Other Inappropriate Waste Disposal	247.56
<b>URBAN-RELATED RUNOFF/STORMWATER</b>	<b>1975.24</b>
Impervious Surface/Parking Lot Runoff	533.51
MS4 Discharges	67.44
Municipal (High Density Area)	78.57
Road/Bridge Runoff	905
Urban Runoff/Storm Sewers	85.53
Wastes from Pets	305.19

**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.