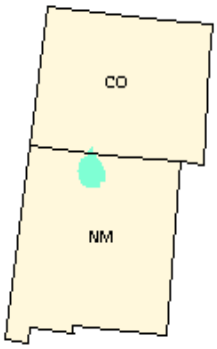
TOTAL MAXIMUM DAILY LOAD SUMMARY TABLES

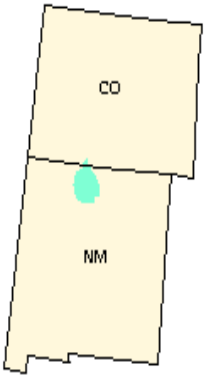
TOTAL MAXIMUM DAILY LOAD FOR TURBIDITY, CHRONIC ALUMINUM, AND FECAL COLIFORM IN CAÑONES CREEK

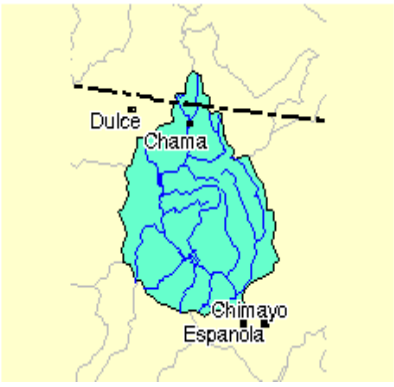


Summary Table

New Mexico Standards Segment	Rio Grande, 20.6.4.119 (formerly 2116)
Waterbody Identifier	Cañones Creek (Abiquiu Reservoir to headwaters), NM-2116.A_010, 17.44 mi.
Parameters of Concern	Turbidity Chronic aluminum Fecal Coliform
Use Affected	High quality coldwater fishery
Geographic Location	Rio Chama USGS Hydrologic Unit Code 13020102
Scope/Size of Watershed	TMDL area: 84 square mile
Land Type	Ecoregions: Southern Rockies and Arizona/New Mexico Plateau
Land Use/Cover	Forest (67 percent) and Rangeland (33 percent)
Identified Sources	Turbidity: Rangeland, Silviculture, Removal of Riparian Vegetation, Streambank Modification/Destabilization Chronic aluminum: Natural and Unknown Fecal Coliform: Rangeland and Land Disposal (on-site wastewater systems)
Watershed Ownership	Forest Service (94 percent) and Private (6 percent)
Priority Ranking	3
Threatened and Endangered Species	None
TMDL for: Turbidity (as TSS) Chronic aluminum Fecal Coliform	 WLA (0) + LA (1,618) + MOS (540)= **2,158 lbs/day** WLA (0) + LA (4) + MOS (1)= **5 lbs/day** WLA (0) + LA (2.5×10^{10}) + MOS (1.3×10^{9})= **2.629×10^{10} cfu/day**

TOTAL MAXIMUM DAILY LOAD FOR TURBIDITY IN THE RIO NUTRIAS

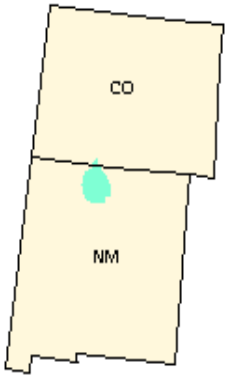




Summary Table

New Mexico Standards Segment	Rio Grande, 20.6.4.119 (formerly 2116)
Waterbody Identifier	Rio Nutrias (Rio Chama to headwaters), NM-2116.A_060, 34.63 mi.
Parameters of Concern	Turbidity
Use Affected	High quality coldwater fishery
Geographic Location	Rio Chama USGS Hydrologic Unit Code 13020102
Scope/Size of Watershed	TMDL area: 106 square mile
Land Type	Ecoregions: Southern Rockies and Arizona/New Mexico Plateau
Land Use/Cover	Forest (66 percent) and Rangeland (34 percent)
Identified Sources	Agriculture (irrigated crop production), Rangeland, Removal of Riparian Vegetation, Streambank Modification/Destabilization
Watershed Ownership	Private (74 percent), Forest Service (12 percent), Bureau of Land Management (10 percent), State (2 percent), and State Game and Fish (2 percent)
Priority Ranking	4
Threatened and Endangered Species	None
TMDL for: Turbidity (as TSS)	WLA (0) + LA (6,125) + MOS (2,042)= **8,167 lbs/day**

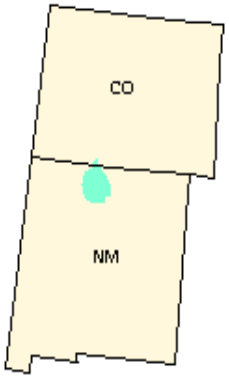
TOTAL MAXIMUM DAILY LOAD FOR TURBIDITY IN POLEO CREEK



Summary Table

New Mexico Standards Segment	Rio Grande, 20.6.4.119 (formerly 2116)
Waterbody Identifier	Poleo Creek (Rio Puerco de Chama to headwaters), NM-2116.A_023, 12.16 mi.
Parameters of Concern	Turbidity
Use Affected	High quality coldwater fishery
Geographic Location	Rio Chama USGS Hydrologic Unit Code 13020102
Scope/Size of Watershed	TMDL area: 47 square mile
Land Type	Ecoregion: Southern Rockies
Land Use/Cover	Forest (71 percent) and Rangeland (29 percent)
Identified Sources	Agriculture, Removal of Riparian Vegetation, Streambank Modification/Destabilization
Watershed Ownership	Forest Service (80 percent) and Private (20 percent)
Priority Ranking	4
Threatened and Endangered Species	None
TMDL for: Turbidity (as TSS)	WLA (0) + LA (124) + MOS (41)= **165 lbs/day**

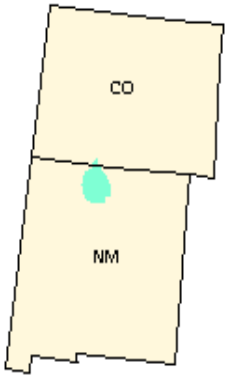
TOTAL MAXIMUM DAILY LOAD FOR TEMPERATURE IN POLVADERA CREEK



Summary Table

New Mexico Standards Segment	Rio Grande, 20.6.4.119 (formerly 2116)
Waterbody Identifier	Polvadera Creek (Cañones Creek to headwaters), NM-2166.A011, 13.94 mi.
Parameters of Concern	Temperature
Use Affected	High quality coldwater fishery
Geographic Location	Rio Chama USGS Hydrologic Unit Code 13020102
Scope/Size of Watershed	TMDL area: 33 square mile
Land Type	Ecoregions: Southern Rockies and Arizona/New Mexico Plateau
Land Use/Cover	Forest (71 percent) and Rangeland (29 percent)
Identified Sources	Removal of Riparian Vegetation
Watershed Ownership	Forest Service (98 percent) and Private (2 percent)
Priority Ranking	4
Threatened and Endangered Species	None
TMDL for: Temperature	WLA (0) + LA (208.96) + MOS (23.3)= **233.46 joules/m^2/s/d**

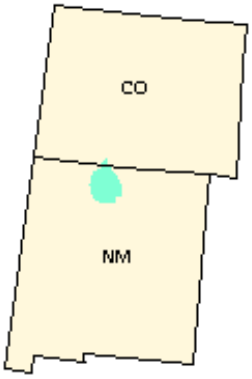
TOTAL MAXIMUM DAILY LOAD FOR TURBIDITY, CHRONIC ALUMINUM, AND TEMPERATURE IN THE RIO VALLECITOS



Summary Table

New Mexico Standards Segment	Rio Grande, 20.6.4.115 (formerly 2112)
Waterbody Identifier	Rio Vallecitos (Rio Tusas to headwaters), NM-2112.A_00, 36.31 mi.
Parameters of Concern	Turbidity Chronic aluminum Temperature
Use Affected	High quality coldwater fishery
Geographic Location	Rio Chama USGS Hydrologic Unit Code 13020102
Scope/Size of Watershed	TMDL area: 183 square mile
Land Type	Ecoregion: Southern Rockies
Land Use/Cover	Forest (82 percent) and Rangeland (18 percent)
Identified Sources	Turbidity: Agriculture, Resource Extraction, Hydromodification, Road Maintenance or Runoff, Removal of Riparian Vegetation, Streambank Modification/Destabilization Chronic aluminum: Resource Extraction and Hydromodification Temperature: Removal of Riparian Vegetation, Streambank Modification/Destabilization, Recreational Activities, Rangeland
Watershed Ownership	Forest Service (80 percent) and Private (20 percent)
Priority Ranking	4
Threatened and Endangered Species	None
TMDL for: Turbidity (as TSS) Chronic aluminum Temperature	 WLA (0) + LA (310) + MOS (104)= **414 lbs/day** WLA (0) + LA (4.16) + MOS (1.04)= **5.2 lbs/day** WLA (0) + LA (201.19) + MOS (22.4)= **223.37 joules/m^2/s**

TOTAL MAXIMUM DAILY LOAD
FOR DISSOLVED OXYGEN ON ABIQUIU CREEK



Summary Table

New Mexico Standards Segment	Rio Grande, 20.6.4.116 (formerly 2113)
Waterbody Identifier	Abiquiu Creek (Rio Chama to headwaters), NM-2113_50, 12.93 mi.
Parameters of Concern	Dissolved Oxygen
Use Affected	Coldwater fishery
Geographic Location	Rio Chama USGS Hydrologic Unit Code 13020102
Scope/Size of Watershed	45 square mile
Land Type	Ecoregions: Southern Rockies and Arizona/New Mexico Plateau
Land Use/Cover	Rangeland (54 percent) and Forest (45 percent)
Identified Sources	Rangeland, Hydromodification, Removal of Riparian Vegetation, and Streambank Modification/Destabilization
Watershed Ownership	Forest Service (59 percent) and Private (41 percent)
Priority Ranking	4
Threatened and Endangered Species	None
TMDL for: Dissolved Oxygen As SOD As TBOD	 WLA (0) + LA(0.015 g/ft^{2}day) + MOS (0) = **0.015 g/ft^{2}day** WLA (0) + LA(0.012 g/ft^{2}day) + MOS (0) = **0.012 g/ft^{2}day**