

Gallatin River								
Name	Source	Description	Receiving Water	Current nitrogen load to aquifer	Relative mitigatable fraction	Estimated Mitigation impact on stream	Dollar per Lb. N removed from stream (High/Med/Low)	Notes:
Ongoing Monitoring								
Water Quality	-	Continued long term monitoring of water quality and stream health	-	-	-	-	-	Increasing the available TN dataset, while continuing nitrate analysis will enable better assessment of pollution sources and estimation of total nutrient loads.
Water Quantity	-	Continued monitoring of steam flow rates	-	-	-	-	-	Good stream flow data enables total nutrient load estimation and can help indicate gaining sections
Potential Source Mitigation Projects								
Canyon District Central Sewer	Private Wastewater	Canyon area collection	Gallatin	High	High	Very High	High	Significant existing and future load mitigation.
Karst	Private Wastewater	Enhanced decentralized treatment	Gallatin	Low	High	Low	Med	Single point load, close to river which minimizes potential for subsurface removal processes.
Septic Maintenance District	Private Wastewater	Improved, operation, maintenance and replacement	West Fork/Gallatin	Low	Low	Low	Low	Critical to mitigate future load
Wastewater polishing wetlands	Municipal Wastewater disposal in Canyon Area	Engineered wetland as component of groundwater discharge	West Fork/Gallatin	Very High	Med	High	Med	Potential to reduce WRF effluent from <5mg/l to <3mg/l
Stormwater management	Urban runoff	Identify strategically placed stormwater BMPs to mitigate existing loads, promote improved water quality design for future BMPs	West Fork/Gallatin	N/A	Med	Med - High	Low-Med	Engineered wetland retrofits in detention ponds, infiltrative "rain gardens" as urban retrofits, promote future infiltrative/water quality based infrastructure, vegetative filter strips, street sweeping, general public outreach, etc.
				Units: lbs. N per year > 10,000 Very High 5,000 - 10,000 High 1,000 - 5,000 Med < 1,000 low	> 70% of aquifer load - High 25- 70% of aquifer load - Med <25% of aquifer load - low	Units: lbs. N per year > 1,000 Very High 500 - 1000 High 250 - 500 Med <250 low	High = \$1000-\$10,000 per lb. Med = \$100-\$1000 per lb. Low = \$10-\$100 per lb.	