

## Water Quality

---

### Department Overview

The Gallatin Local Water Quality District is a non-regulatory department of the County. Created by the County Commission in 1997, the District mission is to protect, preserve and improve the quality of groundwater and surface water within the District boundary. The District is governed by a nine-member Board of Directors consisting of representatives from Bozeman, Belgrade, Manhattan and Gallatin County. Funding comes from a \$6.60 fee on improved parcels within the District. The District also pursues grants to fund activities wherever possible in order to conduct research and monitoring projects.

The District has several projects planned for FY 2017 including continued monitoring of the District's existing groundwater monitoring wells, conducting monitoring activities on the East Gallatin River in cooperation with the City of Bozeman, and expansion of an urban stream gauging network in cooperation with the City of Bozeman. Working in cooperation with the Greater Gallatin Watershed Council, the District will provide technical and programmatic support for the Gallatin Stream Team citizen monitoring program. Public education and outreach efforts include groundwater awareness workshops for homeowners with wells and septic systems, development of education materials on water-related topics of interest, and participation in several annual education events (construction site stormwater runoff workshop, Farm Fair, MSU Extension Small Acreage Landowner Workshop, etc). Development of a District-wide surface water monitoring network is planned that will expand upon current monitoring stations and incorporate data needs of watershed partners. The District will actively seek funding to conduct a hydrogeologic investigation in the Bridger Range Foothills, update the Gallatin Watershed Sourcebook, and update the potential contaminant source inventory. Continued efforts include maintaining the groundwater database, assisting Bozeman and County with development of a Recreational Waters Program, cultivating collaborative partnerships with stakeholders to seek funding for a comprehensive research effort on fecal contamination in Bozeman Creek, and providing technical assistance for the Gallatin Watershed Microplastics Project.

### Department Goals

- Provide education related to groundwater and surface water issues to the residents, taxpayers, businesses and visitors of the local water quality district.
- Maintain and expand a groundwater monitoring well network to evaluate and document long-term trends in groundwater quality and quantity.
- Develop and maintain a surface water monitoring network to evaluate and document water quality trends over time.
- Advocate for protection and improvement of water quality within the District.
- Collect, compile and disseminate water-resource information for benefit of citizens in the District.
- Obtain grants to assist with expanding our understanding of local water resources.

### Recent Accomplishments

- Conducted monthly monitoring of over 100 groundwater and surface water sites in cooperation with the Montana Bureau of Mines and Geology Groundwater Investigation Program and quarterly monitoring of 48 groundwater wells as part of the District's groundwater monitoring network.
- Maintained stream gages at four locations as part of the District's urban stream monitoring network.
- Nutrient monitoring activities at nine East Gallatin River locations with the City of Bozeman.
- Trained over 15 volunteers in water quality monitoring activities.
- Distributed over 200 private well testing kits to homeowners.
- Published the 2015 Gallatin State of the Waters Report; 45 attendees at the workshop.
- Launched a new and improved District website: [www.glwqd.org](http://www.glwqd.org).
- Conducted two well and septic system maintenance workshops for homeowners.
- Conducted a preliminary investigation on fecal contamination in Bozeman Creek.

# PUBLIC HEALTH

## Water Quality

### Department Budget

Object of Expenditure	Actual FY 2015	Final FY 2016	Actual FY 2016	Request FY 2017	Preliminary FY 2017	Final FY 2017
Personnel	\$ 158,716	\$ 197,981	\$ 194,487	\$ 201,682	\$ 206,500	\$ 205,352
Operations	47,251	118,545	66,460	173,558	168,740	175,888
Debt Service	-	-	-	-	-	-
Capital Outlay	-	118,575	2,082	137,075	137,075	137,775
Transfers Out	-	-	-	-	-	-
<b>Total</b>	<b>\$ 205,967</b>	<b>\$ 435,101</b>	<b>\$ 263,029</b>	<b>\$ 512,315</b>	<b>\$ 512,315</b>	<b>\$ 519,015</b>

### Budget by Fund Group

General Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Special Revenue Funds	205,967	432,301	263,029	509,515	509,515	514,515
Debt Service Funds	-	-	-	-	-	-
Capital Project Funds	-	-	-	-	-	-
Enterprise Funds	-	-	-	-	-	-
Internal Service Funds	-	2,800	-	2,800	2,800	4,500
Trust & Agency Funds	-	-	-	-	-	-
<b>Total</b>	<b>\$ 205,967</b>	<b>\$ 435,101</b>	<b>\$ 263,029</b>	<b>\$ 512,315</b>	<b>\$ 512,315</b>	<b>\$ 519,015</b>

### Funding Sources

Tax Revenues	\$ 246,826	\$ 248,539	\$ 246,054	\$ 264,702	\$ 241,602	\$ 259,384
Non-Tax Revenues	60,343	62,015	87,015	77,015	55,922	62,422
Cash Reappropriated	(101,202)	124,547	(70,040)	170,598	214,791	197,209
<b>Total</b>	<b>\$ 205,967</b>	<b>\$ 435,101</b>	<b>\$ 263,029</b>	<b>\$ 512,315</b>	<b>\$ 512,315</b>	<b>\$ 519,015</b>

### Department Personnel

No. of Positions	FT/PT	Title	FTE 2015	FTE 2016	FTE 2017
1	Full-Time	District Manager	1.00	1.00	1.00
1	Full-Time	Water Quality Specialist – Hydrologist	1.00	1.00	1.00
1	Full-Time	Water Quality Technician Specialist	0.50	1.00	1.00
0	Part-Time	Administrative Assistant	0.50	0.00	0.00
<b>3</b>		<b>Total Program</b>	<b>3.00</b>	<b>3.00</b>	<b>3.00</b>