



***Figure 3:** Grayson County highlighted in the Commonwealth of Virginia



Grayson County and the Towns of Fries, Independence, and Troutdale

Water Source Overview

Major water sources are Eagle Bottom Creek, groundwater wells, and purchased water.

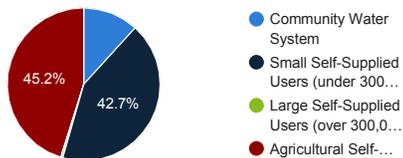
***Table 1:** Reported (2010) and projected (2040) water use by system type for Grayson County in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	0.314	0.314
Small Self-Supplied Users (under 300,000 gal/month)	1.141	1.141
Large Self-Supplied Users (over 300,000 gal/month)	0.011	0.011
Agricultural Self-Supplied Users	1.208	1.208

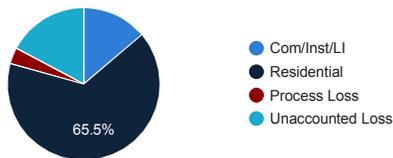
Water Use by System Type

Approximately 15,015 people use private groundwater wells for residential water supply. All tables and graphs represent reported water use including Sales to other localities, if applicable.

***Figure 1:** Percentage of reported water use by system type in 2010 (No use data shown on graph if less than .01 MGD: Refer to Table 1)



***Figure 2:** Disaggregated water use percentages for Community Water Systems in 2010 (No graph shown if no disaggregated use data reported)



***Table 2:** Reported (2010) and projected (2040) groundwater and surface water use for Grayson County in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
1.96	0.72	1.96	0.72

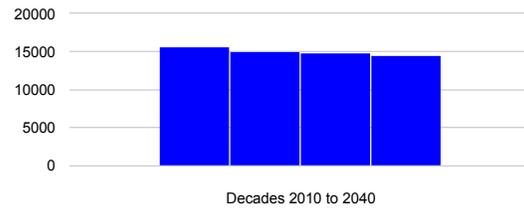
Projected Water Demand

Population is projected to decrease through the planning period. Existing water sources are expected to meet projected demands.

***Table 3:** Grayson County population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/20/13)

2010	2020	2030	2040	% Change (2010-2040)
15,533	15,014	14,727	14,520	-6.7%

***Figure 4:** Grayson County population projections by decade for 2010, 2020, 2030 & 2040



***Table 4 & Figure 5:** Grayson County water demand trends by decade for 2010, 2020, 2030 & 2040 in MGD

Reported Use 2010 MGD	Projected Use 2020 MGD	Projected Use 2030 MGD	Projected Use 2040 MGD	Percent Change (2010-2040)
2.68	2.68	2.68	2.68	-0.0%



Drought Management Practices

The County and Towns each adopted an ordinance for the implementation and enforcement of the regional Drought Response and Contingency Plan. (Southwest Virginia Regional WSP)