



**\*Figure 3:** Dickenson County highlighted in the Commonwealth of Virginia



Dickenson County and the Towns of Clinchco, Clintwood, and Haysi

**Water Source Overview**

Major water sources include the John Flannagan Reservoir, Caney Creek, and purchased water.

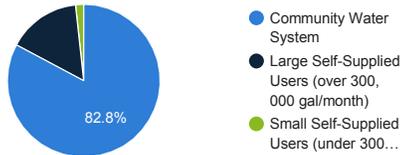
**\*Table 1:** Reported (2010) and projected (2040) water use by system type for Dickenson County in MGD

| Type                                                | Reported Use 2010 MGD | Projected Use 2040 MGD |
|-----------------------------------------------------|-----------------------|------------------------|
| Community Water System                              | 5.687                 | 5.687                  |
| Large Self-Supplied Users (over 300,000 gal/month)  | 1.063                 | 1.063                  |
| Small Self-Supplied Users (under 300,000 gal/month) | 0.120                 | 0.101                  |

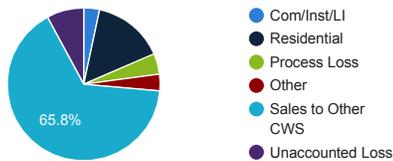
**Water Use by System Type**

Approximately 2,300 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 Dickenson 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) |
|-------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------|
| 0.15                                | 6.72                                  | 0.13                                 | 6.72                                   |

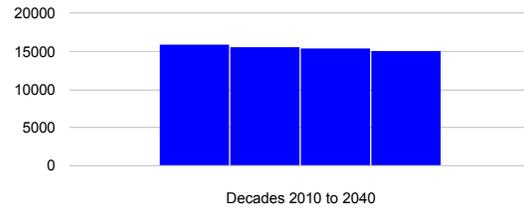
**Projected Water Demand**

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

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

| 2010   | 2020   | 2030   | 2040   | % Change (2010-2040) |
|--------|--------|--------|--------|----------------------|
| 15,903 | 15,600 | 15,375 | 15,193 | 0.0%                 |

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



**\*Table 4 & Figure 5:** Dickenson 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) |
|-----------------------|------------------------|------------------------|------------------------|----------------------------|
| 6.87                  | 6.86                   | 6.86                   | 6.85                   | -0.3%                      |



**Drought Management Practices**

All localities adopted ordinances for the implementation and enforcement of the Drought Response and Contingency Plan. (Southwest Virginia Regional WSP)