



Water Resources Element

Comprehensive Plan Element For:

Carroll County

Freedom

Hampstead

Manchester

Mount Airy

New Windsor

Sykesville

Union Bridge

Westminster

March 17, 2010

Pending Planning Commission Approval

Water Resources Element

Sykesville

Water Supply

■ **Source Water Assessment**

The Town of Sykesville is served by the Freedom water supply system.

■ **Water Supply Demand**

The existing demand for water within the Town limits is included within the total annual average daily demand for the Freedom water supply system. Assuming that everything within the area on the Town's adopted land use plan builds out, additional residential demand to the Freedom water supply system from Sykesville would be 31,250 gpd (125 DU) based strictly on BLI calculations. Additional future non-residential demand is estimated at 177,400 gpd.

■ **Water Supply Capacity**

The Town of Sykesville has an adopted Adequate Public Facilities Ordinance. The Town is served by the Freedom water supply system. Therefore, capacity issues are discussed and addressed under the Freedom system section.

■ **Water Supply Limitations**

The Town of Sykesville is served by the Freedom water supply system. Therefore, limiting factors are discussed under the Freedom system section. Reliance on the capacity of the Freedom system is a limitation for the Town.

Wastewater

■ **Wastewater Demand**

The existing demand for wastewater within the Town limits is included within the current demand for the Freedom sewerage system. Assuming that everything within the Town builds out according to the adopted land use plan, additional residential demand to the Freedom wastewater system from Sykesville would be 31,250 gpd (125 DU) based strictly on BLI calculations. Additional future non-residential demand is estimated at 159,660 gpd.

Water Resources Element

■ Wastewater Capacity

The Town of Sykesville has an adopted Adequate Public Facilities Ordinance. The Town is served by the Freedom wastewater system. Therefore, capacity issues are discussed and addressed under the Freedom system section.

■ Limitations Based on Design Capacity

The Town of Sykesville is served by the Freedom wastewater system. Therefore, the design capacity limitations are discussed under the Freedom system section.

■ Limitations Based on Local Water Quality

The Town of Sykesville is served by the Freedom wastewater system. Therefore, the local water quality limitations specific to the system's infrastructure are discussed under the Freedom system section.

■ Limitations Based on Bay Nutrient Caps

The Town of Sykesville is served by the Freedom wastewater system. Therefore, the Bay nutrient cap limitations specific to the infrastructure itself are discussed under the Freedom system section.

■ Summary of Wastewater Limitations

The Town of Sykesville is served by the Freedom wastewater system. Therefore, the limitations specific to the infrastructure fall under the Freedom system section. Reliance on the capacity of the Freedom system is a limitation for the Town.

System-Specific Strategies: Sykesville

Note: Numbers for each objective correspond to the relevant objective in the countywide strategies section of this plan. Objectives included below are those that apply specifically and uniquely to this system. Strategies that apply to the County and all of the municipal systems are included in the Countywide Strategies section of this plan.

1. Protect and sustain existing water supplies serving existing development

System-Specific Action Items Already in Place:

- ✓ Adopted an adequate public facilities ordinance to ensure adequate water supply is available to serve planned development before it proceeds

Water Resources Element

System-Specific "To Do" Action Items:

- When updating the land use plan in the Town's master plan, coordinate with the County to ensure that the Freedom water supply system can adequately accommodate projected additional water supply demand

5. *Sustain existing wastewater treatment capacity*

System-Specific Action Items Already in Place:

- ✓ Adopted an adequate public facilities ordinance to ensure adequate wastewater capacity is available to serve planned development before it proceeds

System-Specific "To Do" Action Items:

Short-term

- When updating the land use plan in the Town's master plan, coordinate with the County to ensure that the Freedom WWTP can adequately accommodate projected additional wastewater demand