

**TABLE 1.16.3**  
**REGIONAL GROUND-WATER STUDY**  
**TOWN OF WARWICK**  
**WARWICK, NEW YORK**

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**Summary of Water Supply Source**

The Town of Warwick owns and operates four community water systems. They are: Westside Greenwood Lake, Eurich Heights, Wickham Village and Bellvale Park. Westside Greenwood Lake wells are effected when Greenwood Lake is severely drawn down. Eurich Heights has one primary supply well and a back-up supply well. Bellvale Park has two active wells. In addition there are four private community water districts in the town.

	<b>Water District</b>	<b>Ground Water (mgd)</b>
Current Average Daily Water Demand	Westside Greenwood Lake	0.090
	Eurich Heights	0.006
	Wickham Village	0.060
	Bellvale Park	0.005
	Kings Estates	0.020
	Pine Island Water	NA
	Mid-Orange Corrections	0.098
	Wickham Knolls	NA
Current Maximum Daily Water Demand	Westside Greenwood Lake	0.247
	Eurich Heights	0.011
	Wickham Village	0.133
	Bellvale Park	0.015
	Kings Estates	0.030
	Pine Island Water	NA
	Mid-Orange Corrections	0.161
	Wickham Knolls	NA
Maximum Yield Capacity	Westside Greenwood Lake	0.166
	Eurich Heights	0.022
	Wickham Village	0.149
	Bellvale Park	0.029
	Kings Estates	0.053
	Pine Island Water	NA
	Mid-Orange Corrections	0.230
	Wickham Knolls	NA
Average Yield Capacity	Westside Greenwood Lake	0.097
	Eurich Heights	0.009
	Wickham Village	0.063
	Bellvale Park	0.007
	Kings Estates	0.032
	Pine Island water	NA
	Mid-Orange Corrections	0.101
	Wickham Knolls	NA
<b>Proposed Sources (Average Day)</b>	Centennial Hills	0.194
<b>TOTAL MAXIMUM YIELD CAPACITY (MGD) =</b> -----		<b>0.649</b>
<b>CURRENT MAXIMUM DAILY USE (MGD) =</b>		<b>-----</b> <b>.597</b>

COMMENTS: The total max day use does not include those districts whose yield capacity is unknown.

**TABLE 1.16.4  
REGIONAL GROUND-WATER  
STUDY  
TOWN OF WOODBURY  
ORANGE COUNTY, NEW YORK**

**Summary of Water-Supply Source**

The Town of Woodbury utilizes three existing high yielding sand and gravel wells to meet the demands of Consolidated Water District. In addition, the Town operates and owns Amdur Park Water District, a small community water system which utilizes two existing wells.

**Existing Source**

	Water District	Ground Water (mgd)
Current Average Daily Water Demand	Consolidated Water District	0.96
	Amdur Park	<u>0.013</u>
	Total	0.97
Current Maximum Daily Water Demand	Consolidated Water District	1.10
	Amdur Park	<u>0.029</u>
	Total	1.1
Maximum Yield Capacity	Consolidated Water District	1.3
	Amdur Park	<u>0.018</u>
	Total	1.3
Average Yield Capacity	Consolidated Water District	0.96
	Amdur Park	<u>0.013</u>
	Total	0.97
<b>Proposed Sources Average Day)</b>		<b>1.0</b>
<b>TOTAL MAXIMUM YIELD CAPACITY (MGD) =</b>		<b>1.3</b>
<b>CURRENT MAXIMUM DAILY WATER DEMAND (MGD) =</b>		<b>1.1</b>

mgd - Million gallons per day.

**COMMENTS**

! Amdur Park Water District cannot presently meet maximum daily water demands, additional well supply(s) are proposed and considered for development.

! Proposed sources: Three bedrock wells for the Consolidated Water District having a total maximum yield capacity of about 1 mgd. One or two of the bedrock wells is

! The Consolidation Water District can meet present average and maximum daily water demands from the existing wells. However, during low precipitation in summer months, the existing wells marginally meet peak demands.

**TABLE 1.16.5**

Village of Harriman

Summary of Water-Supply Source

The village of Harriman currently operates eight wells to supply the village system. An additional well is inactive due to contamination. Another well is drilled and ready to be put on-line.

Existing Source

	Water District	Ground Water (mgd)
Current Average Daily Water Demand	Village of Harriman	0.325
Current maximum Daily water Demand	Village of Harriman	0.403
Maximum Yield Capacity	Village of Harriman	0.580
Average Yield Capacity	Village of Harriman	0.450
<b>Proposed Sources (Average Day)</b>		0.904
<b>TOTAL MAXIMUM YIELD CAPACITY (MGD) =</b>		<b>0.580</b>
-----		-----
<b>CURRENT MAXIMUM DAILY USE (MGD) =</b>		<b>0.403</b>

mgd - Million gallons per day.

COMMENTS:

- ! Proposed source is the River Road well @ 70+ gpm, the Harriman Business Park wells 1 through 4, and the Interchange Commerce Center Wells (4).
- ! Eighteen hour maximum pumping time for any of the wells including proposed sources.

**TABLE 1.16.6**

Town of Monroe

## Summary of Water-Supply Source

The Town of Monroe water system consists of four water districts, three of which obtain water from the Village of District 2 has its own wells.

**Existing Source**

	<b>Water District</b>	<b>Ground Water (mgd)</b>
Current Average Daily Water	2	0.0085
Current Maximum Daily Water	2	0.012
Maximum Yield Capacity	2	0.036
Average Yield Capacity	2	0.020
<b>Proposed Sources (Average Day)</b>	*	0.560
<b>TOTAL MAXIMUM YIELD CAPACITY (MGD) =</b> -----		<b>0.036</b> -----
<b>CURRENT MAXIMUM DAILY USE (MGD) =</b>		<b>0.012</b>

mgd - Million gallons per day.

## COMMENTS:

\* Based on various wells located in the Town (Markey, Village Hts., and Applecross)

**TABLE 1.16.7**  
**Village of Monroe**  


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**Summary of Water-Supply Source**

**The Village of Monroe currently uses Mombasha Lake as its source of water and also supplies water to the Town of Monroe.**

**Existing Source**

	<b>Surface Water (mgd)</b>	<b>Ground Water (mgd)</b>
Current Average Daily Water Demand	0.903	NA
Current Maximum Daily Water Demand	0.9310	NA
Maximum Yield Capacity	1.493	NA
Average Yield Capacity	0.942	NA
<b>Proposed Sources (Average Day)</b>	NA	0.050
<b>*TOTAL MAXIMUM YIELD CAPACITY (MGD) =</b> -----		<b>1.493</b> -----
<b>*CURRENT MAXIMUM DAILY USE (MGD) =</b>		<b>0.931</b>

mgd - Million gallons per day.

\* Combine surface water and ground-water sources.

COMMENTS

! Includes three districts located in the Town of Monroe (District Nos. 1, 7, and 8)

TABLE 1.16.8

## Village of Kiryas Joel

## Summary of Water-Supply Source

The Village of Kiryas Joel currently operates seven rock wells as its regular source and has two additional wells that are kept as standby for emergencies.

## Existing Source

	Water District	Ground Water (mgd)
Current Average Daily Water Demand	Kiryas Joel	0.850
Current Maximum Daily Water Demand	Kiryas Joel	1.000
Maximum Yield Capacity	Kiryas Joel	0.879
Average Yield Capacity	Kiryas Joel	0.879
<b>Proposed Sources (Average Day)</b>	Kiryas Joel	0.500 <sup>2</sup>
<b>TOTAL MAXIMUM YIELD CAPACITY (MGD) =</b>		<b>0.879</b>
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<b>CURRENT MAXIMUM DAILY USE (MGD) =</b>		<b>1.00</b>

mgd - Million gallons per day.

## COMMENTS:

- 1 Based on September 1993 water use records.
- 2 Assumes yields for wells 15, 16, and 17, as reported by well driller.

**TABLE 1.16.9  
VILLAGE OF TUXEDO PARK**

**Summary of Water-Supply Source**

Existing Source

	Surface Water (mgd)	Ground water (mgd)
Current Average Daily Water Demand	0.368	0.0
Current Maximum Daily Water Demand	0.526	0.0
Maximum Yield Capacity	0.650	0.0
Average Yield Capacity	0.368	0.0
<b>Proposed Sources (Average Day)</b>		
TOTAL MAXIMUM YIELD CAPACITY (MGD) = 0.650		
CURRENT MAXIMUM DAILY USE (MGD) = 0.526		

mgd - Million gallons per day.

\* Combine surface water and ground-water sources.

**COMMENTS:**

! Maximum yield capacity is limited to treatment capacity of up to 0.650 mgd.

! Current maximum daily water demand is the average of three summer months