

**EXCLUSIVE SERVICE AREA DECLARATION FORM  
CENTRAL CONNECTICUT WUCC  
Due December 12, 2016**

**INSTRUCTIONS:**

Please answer all questions in Sections 1 and 2 and Sections A through H. Attach additional sheets if necessary.

For additional information regarding the exclusive service area declaration process, please refer to the Central WUCC Work Plan, contact any of the Central WUCC Officers, or contact Ms. Jeanine Gouin of Milone & MacBroom, Inc. at 203-271-1773 or jgouin@mminc.com.

Kindly return this form completed and signed, and with any pertinent attachments, to Ms. Jeanine Gouin of Milone & MacBroom, Inc., 99 Realty Drive, Cheshire, Connecticut, 06410 via mail, fax (203-272-9733), or email (listed above) by 10 AM on December 12, 2016.

**SECTION 1. DECLARANT INFORMATION**

Water Utility or Municipality Name: University of Connecticut

Mailing or Street Address: 25 Ledoyt Road, Unit 3252

Town, State, Zip Code: Storrs, Connecticut 06269-3252

Primary Contact Person & Title: Stanley Nolan, Director of Utility Operations and Energy Management

Secondary Contact Person & Title: Jason Coite, Environmental Compliance Manager

Contact Telephone: Stan Nolan: 860-486-3208/ Jason Coite: 860-486-9305

Contact Fax: Stan Nolan: 860-486-5789/ Jason Coite: 860-486-5477

Contact Email: Stan Nolan: stanley.nolan@uconn.edu/ Jason Coite: jason.coite@uconn.edu

**SECTION 2. DESCRIPTION OF AREA CLAIMED BY DECLARANT AS EXCLUSIVE SERVICE AREA**

Areas within the municipal boundaries of Stafford, Tolland, Willington, Coventry, Mansfield, Bolton, Andover, and Columbia, with the exception of those parcels of land currently served by public water systems, are open to declarants as proposed exclusive service area boundaries. Additionally, portions of Berlin, Southington, East Hampton and Farmington are currently open to declarants.

1. Please provide a written description in the box below of your proposed exclusive service area boundary. If you are claiming only a portion of land within any of the above municipalities, please provide a general description of the limits of your proposed exclusive service area. For example, “all of town A” or “the portion of town B as generally bounded by street C, street D, street E, and the municipal boundary with town F.” Attach additional pages if necessary.

The proposed exclusive service area includes contiguous property owned by the University of Connecticut (UConn), the main campus and depot campus as shown in the attached map.

2. Please attach a clear delineation of your proposed exclusive service area boundary on a map for each portion of a municipality you are claiming.

**SECTION A. SUPPORTING INFORMATION RELATED TO EXISTING WATER SERVICE AREA**

Please answer the following questions. Attach additional sheets, if necessary.

1. Do you currently own and operate a public water system within each municipality in your proposed exclusive service area? Please contact the Central WUCC officers and Milone & MacBroom, Inc. if you are unsure. If you do not own a public water system within each municipality in your proposed exclusive service area, please indicate those municipalities where you do not currently own and operate a system.

Yes

2. If you do own and operate a public water system within your proposed ESA, are you planning on expanding your existing service area in the future? If yes, describe your general expansion plans for the 5-year, 20-year, and 50-year planning periods.

UConn does not plan on expanding our existing service area at this time.

3. If you answered yes in Question 2, are you planning on servicing your entire proposed exclusive service area via an extension of your existing system, or will some or all of the areas need to be served through satellite systems? Please describe your intentions.

Not applicable

**SECTION B. SUPPORTING INFORMATION RELATED TO EXISTING LAND USE PLANS, ZONING REGULATIONS, AND GROWTH TRENDS**

Please answer the following questions. Attach additional sheets, if necessary.

1. Describe your familiarity with the local, regional, and state land use plans, local zoning regulations, and recent local growth trends within each municipality in your proposed exclusive service areas.

UConn is familiar with local, regional and state land use plans, local zoning regulations, and recent growth trends within the Town of Mansfield. In accordance with CGS Section 8-23, the University is subject to the State Plan of Conservation and Development procedures. UConn has a Campus Master Plan for development over the next ten years through the Next Generation Connecticut Program that outlines a plan for buildings, land, open space and infrastructure systems. The Connecticut Water Company/UConn pipe line connection will provide additional potable water needed for future development.  
UConn is not subject to local zoning regulations but is aware of the Town of Mansfield zoning regulations.

2. Identify the person or group at your utility or municipality responsible for reviewing and/or enforcing such plans and regulations, and what other groups serve to advise your utility or municipality on changes in land use and new developments at the local level.

UConn coordinates all reviews and/or enforcing plans or regulations on land use changes or new developments through the University Planning, Design, and Construction (UPDC) department, Office of Environmental Policy (OEP), and the Facilities department. Additionally, the University's water operator, NEWUS, also advises if it affects the water supply and information is also provided to the Town of Mansfield. As a state agency, UConn owned land is subject to CEPA requirements and the State Plan of Conservation and Development procedures.

3. Do the current zoning, land use plans, and growth trends in the municipality(ies) in your proposed exclusive service area currently suggest that new public water systems, or an extension of public water systems, will be needed? If yes, please explain.

According to the UConn Master Plan, considerable development is projected in the future. A new public water system or extension of public water system will most likely not be needed. The UConn/Connecticut Water Company pipe line connection will be in place by December 2016. The additional water supply from Connecticut Water Company will supplement the additional potable water needed for future development.

4. Do the current zoning and land use plans in the municipalities in your proposed exclusive service area identify geographic locations where public water and/or public sewer service avoidance policies are being sought, and are therefore unlikely to require public water service in the immediate future? If yes, please explain.

Not applicable. UConn is not subject to local zoning regulations but since its a State agency the University is subject to the State Plan of Conservation and Development procedures.

5. Are you familiar with the current water supply planning regulations (Regulations of Connecticut State Agencies Section 25-32d) and how they relate to existing land use within each municipality that is served? Will these regulations affect your proposed exclusive service area and if so, how?

Yes, UConn is familiar with current water supply planning regulations and the regulations should not affect the proposed exclusive service area. The UConn Water Supply plan was issued in 2011.

**SECTION C. PHYSICAL LIMITATIONS TO WATER SERVICE**

Please answer the following questions. Attach additional sheets, if necessary.

1. If you anticipate serving any or all of your proposed exclusive service area via an extension of your existing service area, will you need to develop new sources of supply to do so? In other words, do you have sufficient excess available water supply to reasonably serve the proposed exclusive service area?

UConn has sufficient water supply to reasonably serve the exclusive service area. Currently, water is supplied to the system from two wellfields (Willimantic River wellfield and Fenton River wellfield). Additionally, by the end of December 2016 the UConn/CWC water supply connection will be completed for additional water supply.

2. If you anticipate serving any or all of your proposed exclusive service area via satellite systems, please identify any known areas in your proposed exclusive service area where bedrock yields are poor and/or groundwater contamination has affected groundwater quality.

Not applicable

3. If you do not anticipate serving a portion of your proposed exclusive service, please identify how future potential problems may be addressed.

Not applicable

**SECTION D. POLITICAL BOUNDARIES**

Please answer the following questions. Attach additional sheets, if necessary.

1. Does your proposed exclusive service area cross political boundaries, such as municipal or borough boundaries? If yes, please explain.

No

2. If you anticipate serving any or all of your proposed exclusive service area via an extension of your existing service area, will water come from sources across municipal boundaries?

Not applicable

**SECTION E. WATER COMPANY RIGHTS AS ESTABLISHED BY STATUTE, SPECIAL ACT, OR ADMINISTRATIVE DECISIONS**

Please answer the following questions. Attach additional sheets, if necessary.

1. Do you have any right to provide water service within your proposed exclusive service area by virtue of State Statute? Please contact the Central WUCC officers and Milone & MacBroom, Inc. if you do not know. If yes, please cite the statute below. Note that if you are a municipality, please be reminded that you are authorized by Connecticut General Statute 7-234 of 1967 to provide water service to your municipality. You may cite that section below.

Yes, CGS Section 10a-138 Water and Waste disposal service, The University of Connecticut is authorized to furnish, for compensation, running water and sewage, garbage and waste disposal service for any property owned or occupied by it or in which it has an interest by reason of possibility of reverter or of a restriction on alienation in its favor.

2. Do you have any right to provide water service within your proposed exclusive service area by virtue of a Special Act of the Connecticut General Assembly? If yes, please provide a copy of the Special Act.

Not applicable

3. Do you have any right to provide water service within your proposed exclusive service area by virtue of an Administrative Decision made by a State Agency? For example, the result of a DPH consent order or a PURA Docket? If yes, please provide a copy of the Administrative Decision.

Not applicable, no consent orders to the proposed ESA.

4. Do you have any right to provide water service within your proposed exclusive service area by virtue of a municipal law or ordinance, such as per a section in the Town Charter that establishes a Water Pollution Control Authority? If yes, please provide a copy.

Not applicable



**SECTION F. SYSTEM HYDRAULICS, INCLUDING POTENTIAL ELEVATIONS OR PRESSURE ZONES**

Please answer the following questions. Attach additional sheets, if necessary.

1. If you anticipate serving any or all of your proposed exclusive service area via an extension of your existing service area, will you need to install additional storage tanks or pumping stations to do so? If yes, please provide a general description of needs.

No, UConn does not need to install additional storage tanks or pumping stations.

2. Describe your utility's or municipality's experience with system hydraulics, including managing elevation changes and pressure zones.

UConn is familiar with the water systems hydraulics and managing elevation changes and pressure zones. There are two service areas (main campus and depot campus) that are supplied directly from the pressure in their associated water tanks and booster pumps to assist for adequate fire protection.

**SECTION G. ABILITY OF A WATER SYSTEM TO PROVIDE A PURE AND ADEQUATE SUPPLY OF WATER NOW AND INTO THE FUTURE**

Please answer the following questions. Attach additional sheets, if necessary.

1. Please describe your current source water protection program for protecting current and future sources of supply.

Please find a list of efforts, assessments and oversight being given to source and aquifer protection attached.

2. If you anticipate serving any or all of your proposed exclusive service area via satellite systems, do you have experience owning and operating such systems? Please describe.

UConn does own and operate additional properties outside of the proposed exclusive service area such as Plant Science/Agronomy Farm. This property currently has its own well for potable water and UConn does not plan on serving this satellite system via the proposed exclusive service area at this time.

3. Please describe your technical capacity to operate a public water system. Will you own and operate new systems, or do you expect to own new systems and retain a contract operator to perform the day to day tasks?

UConn has the technical capacity to operate a public water system and a contract operator is hired to perform the day to day tasks.

4. Please describe your managerial capacity to operate a public water system. What hierarchy is in place to make decisions? How quickly can/will decisions be able to be made during an emergency? Describe your experience with long term planning of infrastructure assets.

UConn's water system is owned and operated by the University. All drinking water matters concerning the systems are governed by the Board of Trustees. University administration that assists with water system matters include: the President, EVPA/CFO, VPs and Directors of Facilities, Office of Environmental Policy, University Planning, Design and Construction.

5. Please describe your financial capacity to operate a public water system. Is capital funding for emergency repairs available? Is there a capital improvement budget available for long term asset replacement? What types of financial resources can be utilized to maintain a system? Is there financing available to retain consultants and contractors to design and implement repairs?

The water supply system is owned by the University. UConn is funded through operating and capital funds.

6. If you currently provide public water service, please describe the number and types of complaints received by your utility within your proposed exclusive service areas for the past three years.

In 2016, there were three minor complaints regarding the water quality (discolored water) at select buildings on campus. UConn and NEWUS responded to the complaints, if necessary follow-up actions were taken (e.g. water testing/sampling) and all three complaints have been resolved.

7. If you anticipate serving any or all of your proposed exclusive service area via an extension of your existing service area, please describe any water quality or reporting violations incurred over the past two years.

None

8. If you anticipate serving any or all of your proposed exclusive service area via an extension of your existing service area, and you utilize surface water sources for supply, please describe any potential concerns related to disinfection byproducts that may need to be evaluated with any main extension.

Not applicable

9. If you currently provide public water service in or near your proposed exclusive service area, please describe the type of rate structure utilized within your proposed exclusive service area, and provide the estimated annual cost of water service for a family of four using 109,500 gallons<sup>1</sup> per year.

Not applicable-since most of the proposed ESA is a college campus and there is no rate structure utilized with the exception of a few properties.

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<sup>1</sup> Calculated at 75 gallons per person per day x 4 people x 365 days in a year.

**SECTION H. OTHER CONSIDERATIONS**

Please answer the following questions. Attach additional sheets, if necessary.

- 1. Are you aware of any other municipalities or water utilities who may declare for the same proposed exclusive service area, thereby creating a conflict? If yes, please describe.

None that the University of Connecticut is aware of.

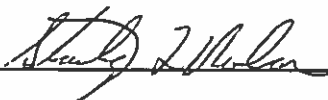
- 2. If you answered yes to question 1, have you corresponded with said municipality or utility concerning this potential conflict? In an effort to avoid conflicts, public water systems and municipalities are encouraged to coordinate their efforts in declaring exclusive service areas.

Not applicable

**CERTIFICATION**

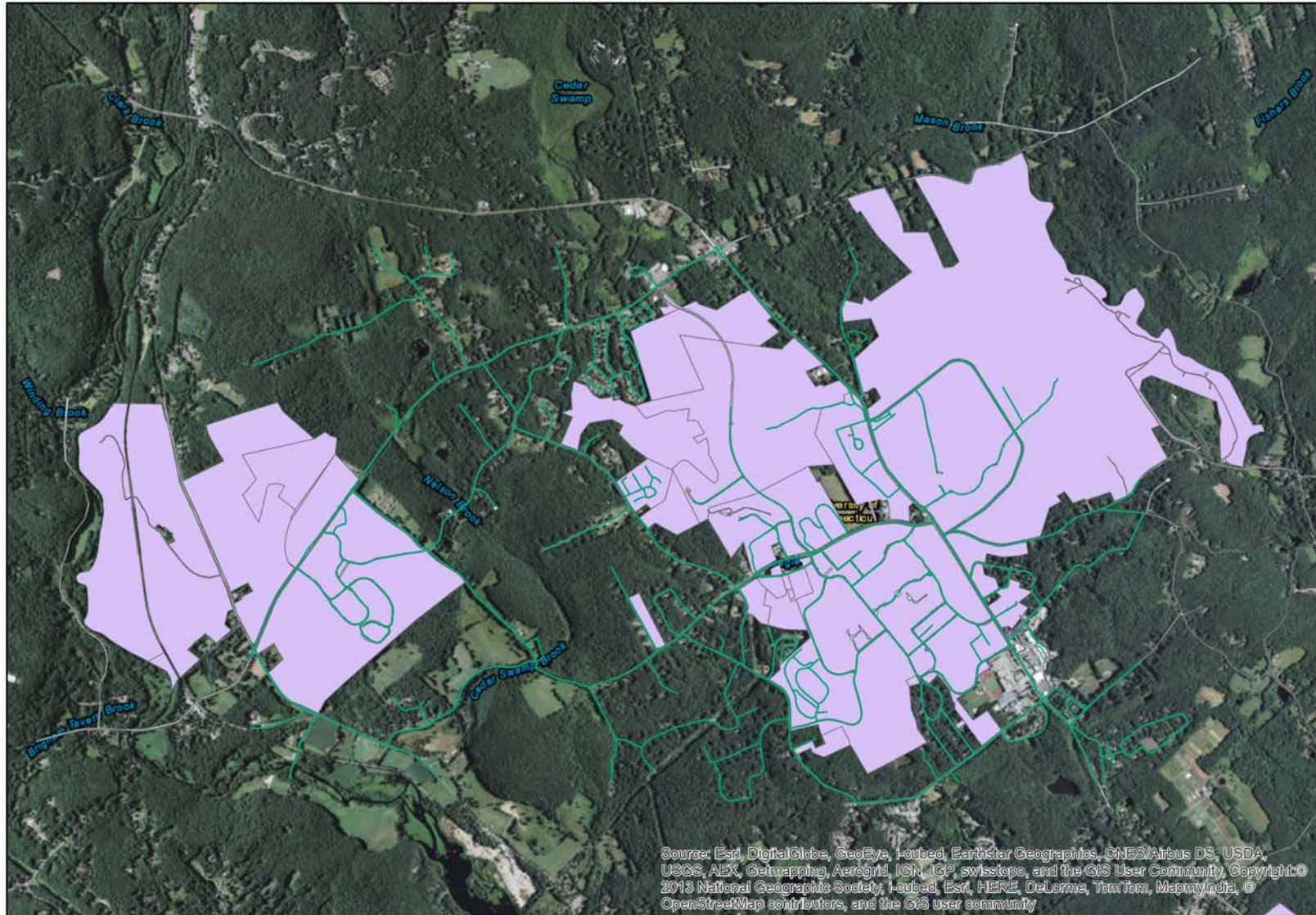
In accordance with the Regulations of Connecticut State Agencies Section 25-33h-1(k)(2), I understand that water utilities are responsible for providing adequate service as requested by consumers and under terms otherwise provided by statute, regulation and ordinance within their exclusive service area boundaries within a reasonable time frame. This may include but not be limited to development of supply sources, main extensions, or satellite management.

Furthermore, I, undersigned below, am presently aware of no reason why the utility represented on this form and any associated attachments would not be capable of providing pure and adequate supply of water to service the proposed exclusive service area in accordance with all applicable regulatory requirements, within a reasonable timeframe of requests by customers, should the proposed exclusive service area boundaries be accepted by the Eastern Water Utility Coordinating Committee and the Connecticut Department of Public Health pursuant to Public Act 85-535, as amended.

Signature of  
Duly Authorized Representative:  Date: 12/12/2016

Print or Type Name and Title: Stanley Nolan/Director of Utility Operations and Energy Management

## University of Connecticut-Proposed ESA Boundary Map



levels around known contaminant release points, working with local officials to ensure that only low-risk development occurs in the source water area, the completion of Level A mapping (completed in 2007) and acquisition of open space in the source water area.

### **3.4 SOURCE WATER PROTECTION**

The University and the Town of Mansfield understand the importance and significance of the Fenton River and Willimantic River aquifers, and are proactive in their efforts to protect these ground water resources. Furthermore, it is the duty of the University to ensure the protection and quality of drinking water by following source water protection strategies. The University has taken steps to implement some of the recommendations of the Source Water Assessment Report, balancing these actions with the desire to develop land in an environmentally friendly manner. The following is a list of efforts, assessments, and oversight being given to source and aquifer protection.

- ❑ The University owns the 200-foot sanitary radius around each of its wells.
- ❑ The University has completed Level A mapping delineating the areas of contribution and recharge to both its wellfields.
- ❑ The Towns of Mansfield, Willington, and Coventry administer local aquifer protection regulations for the two wellfields. Refer to Section 3.5 below for additional information.
- ❑ The University and/or its contract operator visit both wellfields each day to ensure that everything is in order and that there are no activities taking place that would be of concern.
- ❑ The University directly interacts with the staff of the Windham Water Works regarding watershed protection in the Fenton River watershed, which is a subset of the watershed above Windham Water Works' Willimantic Reservoir.
- ❑ The University follows the requirements of the Connecticut Environmental Policy Act (CEPA) before any major project is constructed. The environmental review process is overseen by the Connecticut Office of Policy and Management and

- provides an opportunity for all state agencies and interested parties to review and comment on a project before it is allowed to be constructed.
- ❑ The University has developed a close working relationship with the Town of Mansfield regarding development projects occurring both on and off-campus. Representatives of the Town of Mansfield were part of the Technical Advisory Group for the Fenton River Study and the Willimantic River Study, and serve on the Water and Wastewater Advisory Committee.
  - ❑ The University encourages input from the public during its quarterly Water and Wastewater Advisory Committee meetings, particularly from watershed advocates such as the Naubesatuck Watershed Council and the Willimantic River Alliance.
  - ❑ The Water and Wastewater Advisory Committee is charged with reviewing the Town of Mansfield and University source protection and aquifer protection activities.

The Town of Mansfield has been encouraging watershed protection along the Willimantic River and Fenton River and near their respective wellfields for decades through its Zoning Regulations and Inland Wetland Regulations. Additional protections are enforced through these regulations for land in the public water supply watershed of Windham Water Works, which overlaps with the Fenton River aquifer protection area.

Figure 2-2 illustrates University, State, and Municipally-owned, and Land Trust lands in the aquifer protection areas associated with the Fenton River and Willimantic River Wellfields:

- ❑ The central and southeast portions of the Willimantic River aquifer protection area are owned by the University. The Town owns a tract of land to the north along the river, Joshua's Trust owns a parcel directly across the river to the west of the Town-owned land, the State owns a landlocked parcel at the southeast corner of the aquifer protection area, and the remainder is privately-owned.



- ❑ The western portion of the Fenton River aquifer protection area is largely University-owned land, with a small parcel owned by Joshua's Trust and another owned by the Town of Mansfield. The remainder of the land in the aquifer protection area is privately owned.

The University-owned land in the Willimantic River aquifer protection area is coincident with a portion of the University's Spring Manor Farm. The University is committed to managing these lands as the Spring Manor Farm for the foreseeable future. Development is not planned. Furthermore, any development that could be proposed in the future would need to be reviewed per CEPA and authorized by the Town's aquifer protection regulations.

The University's plans for its land holdings in the Fenton River aquifer protection area are articulated in the East Campus Plan of Conservation and Development (2004). The East Campus Plan of Conservation and Development states that *"New structural development is discouraged in this area."* Additionally, the Fenton Forest Tract is located within the University-owned land in the Fenton aquifer protection area. The Fenton Forest tract is identified as "preserved land" in the East Campus plan. The University has prepared a separate Plan of Conservation and Management for this 440-acre tract. Important goals to be accomplished in the tract are *"to maintain the health, productivity, and natural biological diversity of the forestlands and to demonstrate forest stewardship practices."*

In summary, consider the following discussion from page 8 of the East Campus Plan of Conservation and Development:

- ❑ "The Preservation category for East Campus comprises areas of environmental significance that must be recognized in any future planning effort. These include:

- ⇒ Fenton Forest Tract. This 440-acre tract is the largest contiguous forest parcel in the entire University system and covers half of the East Campus site. Secondary growth upland central hardwoods dominate both the tract and the region. Particular consideration was given during this study to the age and quality of stands within the Fenton Forest Tract. The oldest timber stands – from 60 to 105 years – are centrally located or found near the Fenton River. These areas, including the Oquswitz Meadow, were considered to be of significance and were identified as special forestlands.
- ⇒ Fenton River. The tract is also part of a larger habitat corridor and includes important riparian habitat along the Fenton River – a locally significant water resource. The Town of Windham’s water supply reservoir is fed by the Fenton River. The University has four wells in this area.
- ⇒ Direct Recharge Area. The Connecticut DEP has recognized the delineation of the Direct Recharge Area for the University’s Fenton River Wellfield, of which 456 acres are within East Campus. Land use prohibitions and restrictions identified in the Connecticut DEP’s aquifer protection regulations are therefore relevant to this area.
- The University currently maintains this area in traditional agricultural use or as managed forestland. With the exception of maintaining existing agricultural facilities and continuing forest management and environmental education activities, no development is recommended within the Preservation area."

Any development that could be proposed in the future would need to be consistent with the East Campus Plan of Conservation and Development and the Fenton Forest Tract goals; reviewed per CEPA; and authorized by the Town's aquifer protection regulations.

### **3.5 WELLHEAD PROTECTION REGULATIONS**

The Aquifer Protection Land Use Regulations were made effective by the State of Connecticut in February 2004. These regulations require that Level A aquifer protection