

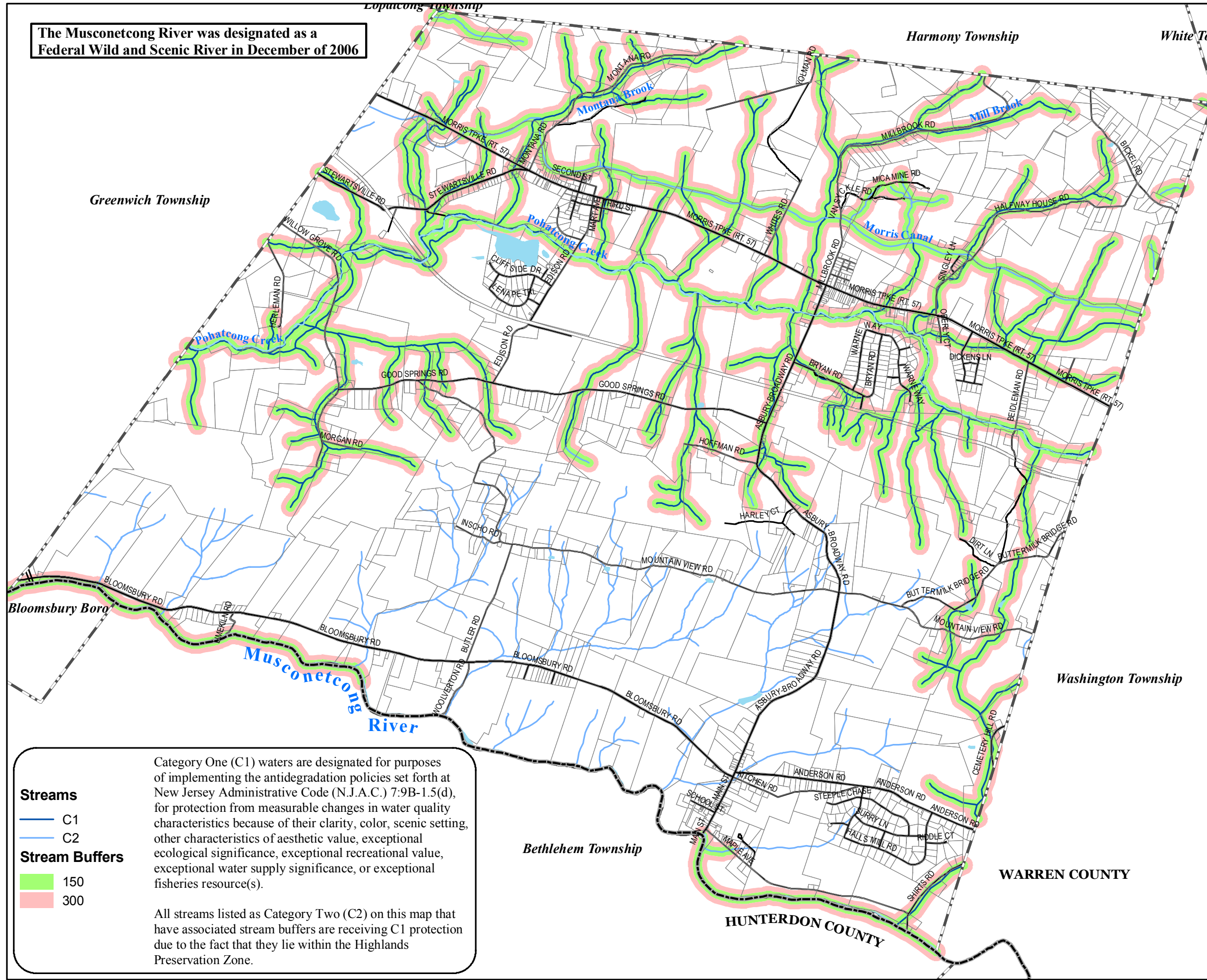
## **11: C1 STREAMS AND BUFFER REQUIREMENTS**

In the beginning of 2004, new Stormwater Quality rules were adopted, as mandated by the United States Environmental Protection Agency. NJDEP took additional steps to identify and protect high quality water resources. These special water resource protection areas are established along all waters designated Category One (C1), and perennial or intermittent streams that drain into or upstream of C1 waters. These areas are established for the protection of water quality, aesthetic value, exceptional ecological significance, exceptional recreational significance, exceptional water supply significance, and exceptional fisheries. The most notable regulation is the implementation of a 300 foot buffer zone on each bank of a C1 stream. Other rules deal with designated areas for future development, the creation of a stream corridor protection plan, and cleaner stormwater discharge into the special water protection area, or the C1 stream itself. For the official rules regarding the special water resources protection areas, please reference the New Jersey Register (N.J.A.C. 7:8-5.5(h)), ([http://www.nj.gov/dep/rules/adoptions/2004\\_0202\\_watershed.pdf](http://www.nj.gov/dep/rules/adoptions/2004_0202_watershed.pdf)).

In addition, all streams located within the Highlands Preservation Area, are afforded 300 foot buffers per the Highlands Water Protection and Planning Act. Route 57/ Morris Turnpike bisects the Township and delineates the boundary between the Highlands Planning and Preservation Areas. Therefore, all stream segments north of Route 57 within the Township are protected by 300 foot buffers because they lie within the Highlands Preservation Area. Portions of the Musconetcong River also serve as a Highlands Preservation/Planning Area border in the southern section of the Township. Thus, the sections of the Musconetcong River that delineate this line, the western and eastern stretches within the Township, are protected by 300 foot buffers. The tributaries that flow through the central portion of the Township that are not classified as C1 waters and that lie within the Highlands Planning Area are not protected by 300 foot buffers. For more information on the Highlands Act, please refer to Section 16 and <http://www.state.nj.us/dep/highlands> and <http://www.highlands.state.nj.us>.

Approximately 19.45 stream miles are protected by the C1/300 stream buffer requirement within Franklin Township. (Figure 10). The C1 streams include: Halfway House Brook, Montana Brook, Mill Brook, one tributary to the Musconetcong River, and Pohatcong Creek and all its tributaries. All stream segments that are included in the Highlands Preservation Area are afforded 300 foot buffers and include: Halfway House Brook, Montana Brook, Mill Brook and the eastern and western stretches of the Musconetcong River.

The Musconetcong River was designated as a Federal Wild and Scenic River in December of 2006



**Streams**

- C1
- C2

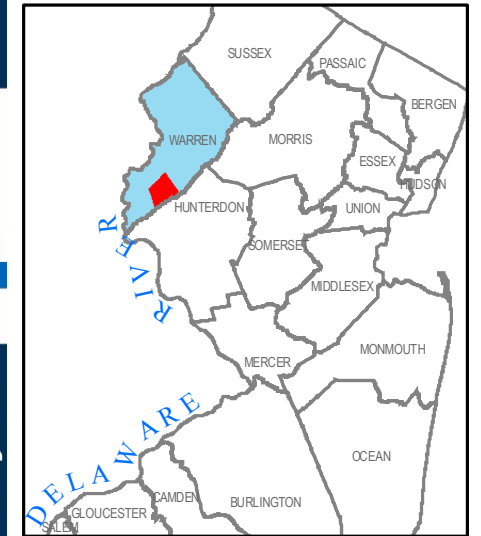
**Stream Buffers**

- 150
- 300

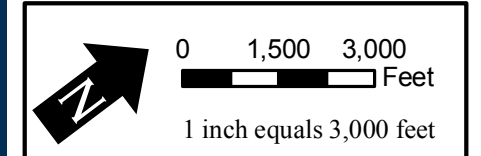
Category One (C1) waters are designated for purposes of implementing the antidegradation policies set forth at New Jersey Administrative Code (N.J.A.C.) 7:9B-1.5(d), for protection from measurable changes in water quality characteristics because of their clarity, color, scenic setting, other characteristics of aesthetic value, exceptional ecological significance, exceptional recreational value, exceptional water supply significance, or exceptional fisheries resource(s).

All streams listed as Category Two (C2) on this map that have associated stream buffers are receiving C1 protection due to the fact that they lie within the Highlands Preservation Zone.

NEW JERSEY COUNTY MAP



PRINCETON HYDRO, LLC.  
1108 OLD YORK ROAD, SUITE 1  
RINGOES, NEW JERSEY, 08551



SOURCES:

1. Parcel, roads and the Franklin Township Boundary data obtained from Warren County Planning Dept. "this map was developed using the Warren County New Jersey, Geographic Information System digital data, but this secondary product has not been verified by Warren County and is not county-authorized"
2. Streams data is a combination of both the USGS "Blue Line" Stream data (obtained from the NJ DEP, Division of GIS) and USDA, NRCS Soil Book Survey Stream data. Hardcopy Soil Survey Book pages were scanned and the images registered and rectified, and stream data were heads-up digitized

**FIGURE 10**  
**CATEGORY ONE WATERS**  
**WITH ASSOCIATED BUFFERS**

NATURAL RESOURCE INVENTORY  
FRANKLIN TOWNSHIP  
WARREN COUNTY, NEW JERSEY

**Legend**

- County Boundary
- Municipal Boundaries
- Parcels
- Roads
- Ponds/Lakes

Princeton Hydro

