The Aquifer Protection Program, administered by the Connecticut Department of Energy & Environmental Protection (DEEP), seeks to protect Connecticut's high-yield public water supply systems by reducing or eliminating the potential for deterioration or contamination of the groundwater resources. This involves the identification and establishment of Aquifer Protection Areas which may be shown on this map. These areas are delineated based on various factors such as geology, elevation, and soils to more thoroughly understand the potential risks to groundwater quality.

Aquifer Protection Areas shown on this map are from the AQUifers Protection Area Program. The program regulates land use within those areas. Once mapped, the program projects land use can be analyzed.

Aquifer Protection Areas which may be shown on this map were established based on the Aquifer Protection Area digital dataset which was updated as Final area mapping replaced earlier Preliminary mapping. Preliminary mapping provides a general estimate of the area contributing ground water to the well field. Final mapping is based on extensive, site-specific, detailed modeling of the groundwater flow systems at the well field. Preliminary mapping is replaced later with the most detailed final mapping.

The Aquifer Protection Area map information is subject to change as additional data becomes available. The map information reflects the characteristics of the aquifer; however, it does not include the characteristics of the land use or the extent of any hazardous materials within a designated aquifer protection area. Map locations are from Tele Atlas (2008).

DATA SOURCES
AQUIFER PROTECTION AREA DATA - Aquifer Protection Area data shown on the map comes from the Aquifer Protection Area digital dataset which contains data about the aquifer protection areas in Connecticut, developed by DEEP. The aquifer protection areas designated in this dataset are based on models developed by the Connecticut Geological Survey. The digital dataset is available free of charge.

MASSACHUSETTS WELLHEAD PROTECTION AREAS - The Massachusetts Wellhead Protection Areas which may be shown on this map were designated by the Massachusetts Department of Environmental Protection (MassDEP). The massDEP information indicates the extent of the area containing ground water to the well field. The massDEP information is collected and maintained by MassDEP and refers to the Massachusetts Wellhead Protection Areas which may be shown on this map.

RHODE ISLAND WELLHEAD PROTECTION AREAS - The Rhode Island Wellhead Protection Areas which may be shown on this map were designated by the Department of Environmental Management (DEM). The information is collected and maintained by the DEM and refers to the Rhode Island Wellhead Protection Areas which may be shown on this map.

LEGAL SOURCES
This map is intended to be presented as the original dimension in order to maintain the 1:25,000 scale (1:24,800). Aquifer Protection Program - The Aquifer Protection Program is administered by the Connecticut Department of Energy & Environmental Protection (DEEP) and is established under Connecticut General Statutes 16-282a et seq. The Aquifer Protection Program seeks to protect Connecticut’s high-yield public water supply systems by reducing or eliminating the potential for deterioration or contamination of the groundwater resources. This involves the identification and establishment of Aquifer Protection Areas which may be shown on the map. These areas are delineated based on various factors such as geology, elevation, and soils to more thoroughly understand the potential risks to groundwater quality. The program regulates land use within those areas. Once mapped, the program projects land use can be analyzed.

Rhode Island Wellhead Protection Area - The Rhode Island Wellhead Protection Area is administered by the Department of Environmental Management (DEM) and is established under Rhode Island General Laws 42-16-6. The purpose of the Rhode Island Wellhead Protection Area is to identify and protect the area containing ground water to the well field. The DEM information indicates the extent of the area containing ground water to the well field. The DEM information is collected and maintained by the DEM and refers to the Rhode Island Wellhead Protection Areas which may be shown on the map.