

Water Resources Classification Map

Regional Policy Plan Effective April 29, 2002 Cape Cod Water Resources Classification Map I

Explanation and Data Sources:

Primary Resource Areas: include potential public water supply areas, identified wellhead protection areas, identified freshwater recharge areas (MWRA's). The MWRA's are depicted on Cape Cod Water Resources Map II.

Water Quality Impaired Areas: include unsewered residential lots less than 20,000 square feet, marinas, landfills, septage and waste – water treatment plant discharge sites; commercial and industrial areas. (see MacConnell land use.)

Water Quality Improvement Areas: overlap of Primary Resource Areas and Water Quality Impaired Areas.

Identified Wellhead Protection Areas: (Zones of Contribution) 1:25,000, CCC Water Resources Department updates to 2001, which include various private consulting firms and DEP.

(*) **Freshwater Recharge Areas:** Areas shown are those identified TO DATE by CCC Water Resources Staff and private consultants, 2001.

Potential Public Water Supply Areas: From the "Priority Land Acquisition Assessment Project", June 1999; from the Lower Cape Water Management Task Force, 1998; from various other CC Water Resources Office projects; and from USGS GIS analysis "Water Resources Investigations Report 94-4156, 1994", Harris and Steves.

Small Volume Wells: Property locations with small volume wells were matched with digitized parcel locations in order to determine geographic locations of wells shown here. Wells include public water supplies registered with DEP and unregistered water supplies which are likely to serve 25 or more persons per day for more than 60 days per year. (CCC Small Volume Well Inventory and Prioritization Project, DEP FY92 604(b) grant. 1996)

Marine Water Recharge Areas: The MWRA's are depicted on Cape Cod Water Resources Map II.

Landfills, public supply wells: (digital) U.S. Geological Survey, CCAMP 1988, with updates by CCC to September 2001 from Town water departments.

Plumes: Various scales, Various private consulting firms, HAZWRAP, Jacobs Engineering, CCC Water Resources Staff, to August 2001.

MacConnell land use: (digital) 1999, source of the categories: medium and high density residential, multi-family residential, commercial, industrial, transportation, waste disposal, and marina; from aerial photo interpretation (1:25,000 scale). Digitized by the Resource Mapping – Land Information Systems Dept. of Forestry and Wildlife Management, U Mass, Amherst in cooperation with the EOEA MassGIS project and the Cape Cod Commission. Further explanation of the land use categories may be found in the publication "Remote Sensing 20 Years Change in Barnstable, Dukes, and Nantucket Counties, Massachusetts, 1951 – 1971" W. MacConnell, U Mass.

Non-digital data was automated by the Cape Cod Commission GIS staff using the ARC/INFO GIS software.

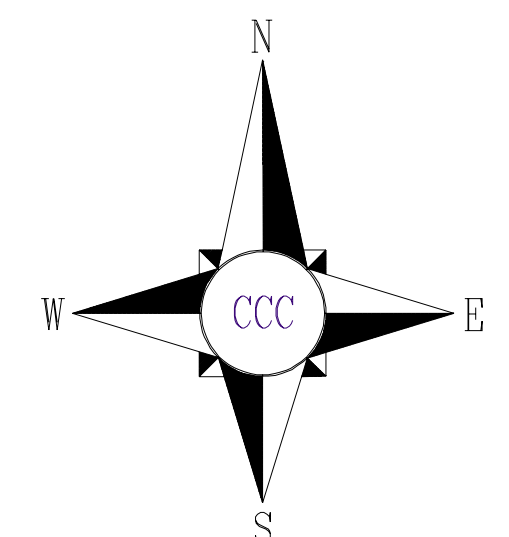
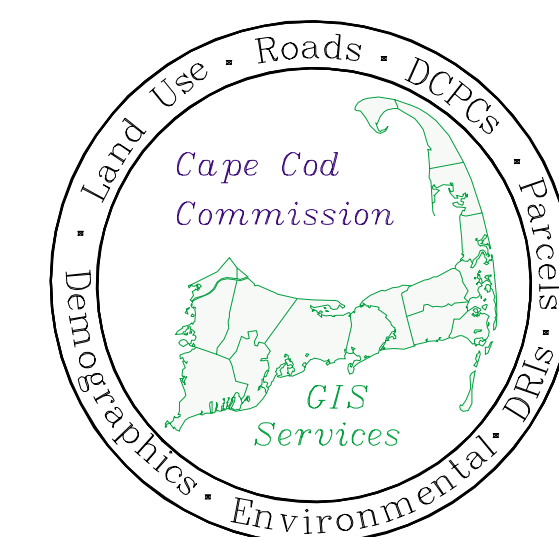
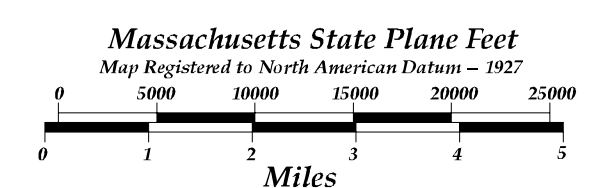
This map was produced by the Cape Cod Commission's Geographic Information System department for the Regional Policy Plan update, submitted January 10, 2002, effective April 29, 2002, with any amendments listed below:

Corrections are welcome at the Cape Cod Commission office.

Basemap features: MassGIS, (digital), 1988, from 1:25,000 scale USGS Quadrangle Sheets; late 1970's and earlier 1:100,000 scale maps. Includes ponds, roads, coastline, town boundaries.

This map is illustrative and all depicted boundaries are approximate. It is intended for planning purposes only -- not site specific purposes.

Scale - 1:80,000



PRIMARY RESOURCE AREAS: Marine Water Recharge Area (See Map II)	
	Potential Public Water Supply Area
	Identified Wellhead Protection Area
	Identified Freshwater Recharge Area (*)
WATER QUALITY IMPAIRED AREAS: By Development (MacConnell Categories)	
	By presence of Landfill, Treatment Plant, or Haz. Waste Site
	By Potential Plume from Landfill or Treatment Plant
WATER QUALITY IMPROVEMENT AREAS: There are four possible combinations of pattern overlays that are water quality improvement areas. The four bracketed key boxes to the left show these combinations.	
	Public Supply Wells
	Small Volume Well
	Mass. Military Reservation

