

## **Appendix G - Sources for GIS data on Subwatershed Fact Sheets and Maps**

**Natural History and Endangered Species Program Priority Habitats of Rare Species (NHESP Priority Sites):** NHESP 1:25,000 or 1:24,000. Digitized by NHESP from 1:25,000 topographic quadrangles. Check plots were produced at 1:60,000. All habitats were checked for coding and locational accuracy although most habitat sites are not visited prior to the drawing of these habitats. Occurrence records from the NHESP database are continuously being added, modified, and deleted. A new version of this datalayer is produced every two years. The information in this assessment was compiled in Fall, 1999.

**Natural History and Endangered Species Program Estimated Habitats of Rare Wildlife (NHESP Rare Habitats):** NHESP 1:25,000 or 1:24,000. Digitized by NHESP from 7.5x7.5 minute quadrangle topographic maps at 1:25,000 and 1:24,000 scales. Polygons are checked for locational accuracy. Occurrence records from the NHESP database are continuously being added, modified, and deleted. These changes are incorporated into this datalayer every two years, when a new version is produced. The information in this assessment was compiled in 1999.

**MA DEP Approved Zone II:** MA DEP-DWP, 1:25,000. As stated in 310 CMR 22.02, "That area of aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated. Digitized from the DEP-GIS program from the DEP-DPW water supply protection atlas and Zone II maps submitted to DEP-DWP by consultants. These data are updated quarterly.

**Interim Wellhead Protection Areas (IWPAs):** MA DEP-DPW, 1:25,000. Variable width IWPAs generated using the public water supply (PWS) point coverage and pumping rate; information from the DEP-DW sources database is calculated as:  $IWPA\ radius = (32 \times \text{pumping rate in gallons per minute}) + 400$ , with a maximum distance of  $\frac{1}{2}$  mile for Community supplies, Non-Transient Non-Community (NTNC) supplies have an IQPA radius of 750 feet. Transient Non-Community (TNC) areas have an IWPA radius of 500 feet. These buffers represent an IWPA until a Zone II is delineated and approved by DEP-DWP. These data are updated quarterly.

**Protected and Recreational Open Space:** MA EOE/MassGIS, 1:25,000. Contains boundaries of federal, state, county, municipal, non-profit, and private conservation land and recreational facilities. Boundary information is compiled by local volunteers and EOE land holding agencies, coordinated and automated by MassGIS. This data layer is currently under development and is constantly updated.

**Certified Vernal Pools (CVP):** DFWELE/NHESP, 1:24,000/1:25,000. Generated from coordinated data compiled from USGS 7.5 minute topographical quadrangles, estimated accuracy is +/- 300 feet (91.4 m) from CVP. 1997-1998.

**Land Use:** University of Massachusetts-Amherst resource mapping project (RMP) MassGIS, 1:25,000. 21 land use categories photo-interpreted from 1985-1990 summer CIR aerial photography. 1994.

**Designated Shellfish Growing Areas:** DFWELE, 1:12,000. Defined by DFWELE-Division of Marine Fisheries biologists. Base maps were plotted at 1:12,000 and MassGIS hydrography was used to locate boundaries. 1998.