

Priority Resources Map

PLAINFIELD

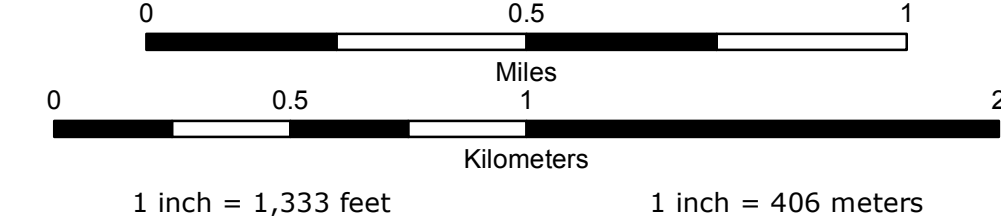
MAP LEGEND

- | | |
|--|------------------------------------|
| Non-Potential Drinking Water Source Area: High Yield | Limited Access Highway |
| Non-Potential Drinking Water Source Area: Medium Yield | Multi-lane Hwy, Not Limited Access |
| Potentially Productive High Yield Aquifer | Other Numbered Highway |
| Potentially Productive Medium Yield Aquifer | Major Road, Collector |
| EPA Designated Sole Source Aquifers | Minor Road, Ramp |
| Approved Wellhead Protection Area (Zone II) | Ferries |
| Interim Wellhead Protection Area (IWPA) | Airport Landing Strip |
| Surface Water Protection Area (Zone A) | Ski Lift |
| PWS Community Groundwater Source | MA Town Boundary |
| PWS Surface Water Intake | MA Interstate Boundary |
| PWS Emergency Surface Water Intake | County Boundaries |
| PWS Non-Community Groundwater Source | DEF Region Boundary |
| Areas of Critical Environmental Concern (ACEC) | |
| NHESP Estimated Habitats of Rare Wildlife | |
| Protected Open Space (Outline only over aquifers) | |
| FEMA 100-Year Floodplain | Town Halls |
| Pond, Lake or Ocean | Fire Stations |
| Reservoir | Local Police Station |
| Tidal Flat | State Police Station |
| Inundated Area | County Sheriff Station |
| Fresh Water Wetlands | Public School |
| Cranberry Bog | Private School |
| Salt Water Wetlands | Charter School |
| NHESP Certified Vernal Pool | Collaborative Program School |
| NHESP Potential Vernal Pool | Special Education School |
| Solid Waste Landfill | Private College |
| Perennial Stream; Shoreline | Public College |
| Intermittent Stream | Library |
| Intermittent Shoreline | Hospital with ER |
| Manmade Shoreline | Nursing Home |
| Ditch/Canal | Rest Home |
| Aqueduct | MBTA Station |
| Dam | Airports |
| Channel in Water | Seaports |
| Surface Water Supply Watersheds | Prison |
| Major Basin Divide (On overview map) | DCR Regulated Dam |
| Pipeline | Aero Light |
| Powerline | Camp |
| Active Rail Lines | Campground |
| | Cemetery |
| | Convention Center |
| | Court House |
| | Field - Playground |
| | Fish Hatchery |
| | Golf Course |
| | Helipoint |
| | Industrial Park |
| | Lighthouse |
| | Marina |
| | Military |
| | Mine |
| | Monument |
| | Museum |
| | Park |
| | Parking Lot |
| | Pier - Wharf |
| | Places of Worship |
| | Post Office |
| | Public Pool |
| | Rod and Gun Club |
| | Shopping Center |
| | Ski Area |
| | Sports Facility |
| | Theater |
| | Tower |

Cultural Features

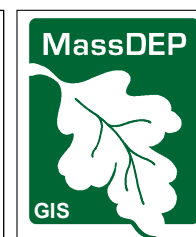
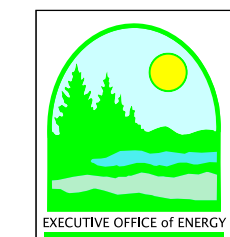
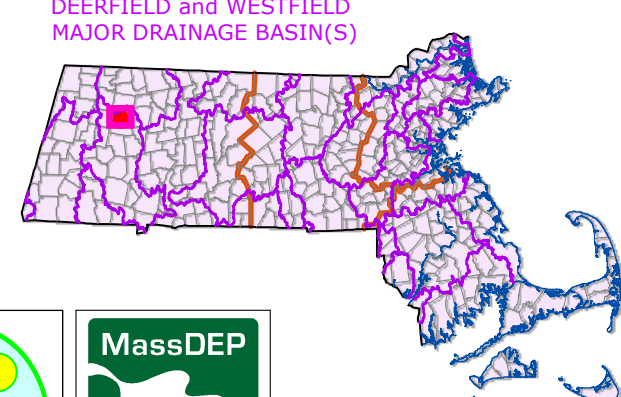
Contour Interval 10 feet
All elevations shown in feet above msl
Mass StatePlane NAD83 Coordinates shown in RED
Map Created December 30, 2016

Map Scale = 1:16,000



1 inch = 1,333 feet
1 inch = 406 meters

PLAINFIELD FALLS WITHIN THE
MAJOR DRAINAGE BASIN(S)



Matthew A. Beaton
Secretary of Energy
& Environmental Affairs

This map is for illustrative purposes only. It represents the best statewide data available at the date of printing. There are other important natural resources that are not shown on this map because the digital spatial data do not exist. If you have questions about any of the data shown on this map, please direct them to MassGIS at (617) 619-5611 <http://www.mass.gov/mgis/>.

DATA SOURCES

POTENTIALLY PRODUCTIVE AQUIFERS: USGS WRO/MassGIS, 1:48,000. Automated by MassGIS from USGS Water Resource Division's (WRD) hydrologic atlas. Aquifers delineated by the USGS as medium or high yield, including the aquifers east of the Cape Cod Canal and on Martha's Vineyard, Nantucket and Elizabeth Islands.

NON-POTENTIAL DRINKING WATER SOURCE AREAS: MA DEP Any Potentially Productive Aquifer which underlies an area for which, as of January 1, 1999, the land uses are industrial, commercial, transportation, urban open space, and dense residential, or any aquifer designated as a non-potential drinking water source area pursuant to 816 CMR 40.00(3)(c).

SOLE SOURCE AQUIFERS (SSA): US EPA/MA DEP GIS, various scales. SSAs are defined by the EPA as aquifers that are the sole or principal source of drinking water for a given aquifer service area. Compiled by MA DEP and automated by the MassGIS GIS Program.

FEMA 100-YEAR FLOODPLAIN: US FEMA/MassGIS, 1:24,000. Vectorized from scanned FEMA Flood Insurance Rate Maps (FIRM). These data are generated and should not be used to determine absolute elevations of flood boundaries.

TOPOGRAPHIC CONTOURS: MassGIS, 1:5,000. 3 Meter contour elevations, generated from digital ortho DTMs.

MA DEP APPROVED ZONE II: MA DEP WWP, 1:25,000. As stated in: 310 CMR 22.02, "The area of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be reasonably anticipated." Boundaries are generated by DEP WWP. IWPA's are generated by buffering DEP's PWS groundwater source data, based on US DEP WWP assessed pumping rate information. IWPA width is calculated as: $\text{IWPA width} = 1.4 \times \text{pumping rate (gpm)} + 400$. The maximum radius is 2,640 feet (1/2 mile). The minimum IWPA radius is 400 feet. This data is updated on a continual basis.

INTERIM WELLHEAD PROTECTION AREAS (IWPA): MA DEP, 1:25,000. Variable width IWPA's, represent PWS source's wellhead protection area until a Zone II is delineated and approved by DEP WWP. IWPA's are generated by buffering DEP's PWS groundwater source data, based on US DEP WWP assessed pumping rate information. IWPA width is calculated as: $\text{IWPA width} = 1.4 \times \text{pumping rate (gpm)} + 400$. The maximum radius is 2,640 feet (1/2 mile). The minimum IWPA radius is 400 feet. This data is updated on a continual basis.

SURFACE WATER SUPPLY PROTECTION AREA (ZONE A): MA DEP, 1:25,000. Zone A represents the land area between the surface water source (SWS) and the upper boundary of the bank. It is the land area within a 300' lateral distance from the upper boundary of the bank of a Class A SWS, and the land area within a 200' lateral distance from the upper boundary of the bank of a tributary or associated surface water body. Zone A's land area is generated by buffering MassGIS 1:25,000 hydrography data according to the above criteria. This data is updated on a continual basis.

WETLANDS: USNAS Resource Mapping Project (RMP)/USGS/MA DEP Wetlands, Source Scale 1:100,000 to 1:40,000. Wetland information shown on this map consists of several wetlands datasets, including DEP Orthophoto Wetlands (1:12,000) and USGS hydrology wetlands (1:25,000).

HYDROGRAPHY: USGS WRO/MassGIS, 1:25,000 or less. Hydrography from the USGS National Hydrography Database except within public water supply watersheds where the resolution is approximately 1:100,000. USGS topographic quad map interpretation and photo interpretation. This data is updated on a continual basis.

PUBLIC WATER SUPPLIES (PWS): MA DEP DWP. Located by US EPA and DEP DWP using several methodologies, including DGPS. USGS topographic quad map interpretation and photo interpretation. This data is updated on a continual basis.

AREAS OF CRITICAL ENVIRONMENTAL CONCERN (ACEC): MA DEP, 1:25,000. Designated by EOE as having a number of valuable, considered rare natural features. ACEC's are designated to preserve, restore and enhance areas of ecological significance and certain development projects in ACECs are subject to the highest standards of state environmental review.

CERTIFIED VERNAL POOLS (CVP): NHESP, 1:24,000/25,000. Generated from coordinate data compiled from USGS topographic quad maps. Est. accuracy is +/- 300m from CVP center.

NHESP ESTIMATED HABITATS OF RARE WILDLIFE: NHESP, 1:25,000. Estimated habitat areas were compiled onto 1/5 minute USGS quads and digitized. NHESP Estimated Habitat of Rare Wildlife: For use with MA Wetlands Protection Act regulations (310 CMR 10).

PROTECTED AND RECREATIONAL OPEN SPACE (OS): MA DEP/MassGIS, 1:25,000. Contains Federal, State, county, municipal, nonprofit and private conservation land. Boundary information compiled by local volunteers and DCR land holding agencies, coordinated and automated by MassGIS. This data layer is under development and constantly updated.

SOLID WASTE (SW) FACILITIES: MA DEP BWP, 1:25,000. Includes only SW facilities regulated since 1971. Facility boundaries compiled and digitized by DEP BWP or extracted from MassGIS landuse data and open space data.

DRAINAGE BASINS: USGS WRO/MassGIS/MA DEP DWP, 1:24,000. MassGIS digitized mylar manuscripts with subbasins, interpreted by USGS WRO and compiled onto paper 1:24,000 USGS topographic quad maps. Major basins were generated by aggregating sub-basins.

POLITICAL BOUNDARIES: MassGIS. This political boundary data layer has been created from latitude and longitude coordinates found in the 88 volume Harbor and Lands Commission Town Boundary Atlas.

ROADS: Mass Department of Transportation 1:500. Road centerlines aligned with 1:5000 Orthophotos. Attributes from DOT roads database.

TRAINS AND TRANSILINES: Mass Department of Transportation 1:50,000. Postlines and Powerlines 1:25,000.

GEOGRAPHIC FEATURES: USGS/MassGIS, USGS Geographic Names Information System (GNIS) features matched to parcel data or orthophoto. Hydrography names taken from USGS WRO features and placed using the Haplex label engine.

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