

Appendix G: Regional Screening - GIS Data for Initial Assessment

Criterion	Description	Source
Housing	Intersects a residential land use	MassGIS 2005 Land Use data layer
Developed	Intersects a developed land use	MassGIS 2005 Land Use data layer
Farms	Intersects an agro land use (Crop Land, Orchard, Pastures, Nurseries and Cranberry Bogs)	MassGIS 2005 Land Use data layer
EJ_Pop	Within 1/2 mi. of an environmental justice population	MassGIS 2003 US 2000 Census Environmental Justice Populations data layer
CODA	Intersects a MetroFuture Identified Community Oriented Development Area (CODA) [defined using traffic analysis zones (TAZ)]	MAPC 2008 CODA data layer
Walking	Within 1/2 mi. of a sidewalk or off-road bike/walking path	MAPC 2009 Sidewalk data layer
Grow_Dist	Intersects a state-designated growth district	EOHED 2011 Growth District Initiative data layer
Historic	Intersects an historic place	MassGIS Historic Places data layer
Transit	Within 1/2 mi. of a public bus line, commuter rail station, or commuter shuttle bus stop	MassDOT/CTPS 2008 Commuter Rail and Station data layer MassGIS/CTPS 2006 data layer
Chap_43D	Intersects a 43D site	EEA 2011 43D data layer
Chap_40R	Intersects a 40R district	EEA 2011 40R data layer
Pri_Hab	Intersects a priority habitat of rare species	NHESP 2008 Priority Habitats of Rare Species data layer
Crit_Env	Intersects an area of critical environmental concern	MassGIS 2009 Areas of Critical Environmental Concern data layer
CH_AqCore	Intersects the BioMap2 Core Habitat - Aquatic Core layer	NHESP 2011 BioMap2 Core Habitat data layer
CH_Forest	Intersects the BioMap2 Core Habitat - Forest Core layer	NHESP 2011 BioMap2 Core Habitat data layer
CH_PNC	Intersects the BioMap2 Core Habitat - Priority Natural Communities layer	NHESP 2011 BioMap2 Core Habitat data layer
CH_SOCC	Intersects the BioMap2 Core Habitat - Species of Conservation Concern layer	NHESP 2011 BioMap2 Core Habitat data layer
CH_Vernal	Intersects the BioMap2 Core Habitat - Vernal Pool Core layer	NHESP 2011 BioMap2 Core Habitat data layer
CH_Wetland	Intersects the BioMap2 Core Habitat - Wetlands layer	NHESP 2011 BioMap2 Core Habitat data layer
CNL_AB	Intersects the BioMap2 Critical Natural Landscape - Aquatic Buffer layer	NHESP 2011 BioMap2 Critical Natural Landscape data layer
CNL_LB	Intersects the BioMap2 Critical Natural Landscape - Landscape Blocks layer	NHESP 2011 BioMap2 Critical Natural Landscape data layer
CNL_CAA	Intersects the BioMap2 Critical Natural Landscape - Coastal Adaptation Analysis layer	NHESP 2011 BioMap2 Critical Natural Landscape data layer



Criterion	Description	Source
CNL_TF	Intersects the BioMap2 Critical Natural Landscape - Tern Foraging layer	NHESP 2011 BioMap2 Critical Natural Landscape data layer
CNL_WB	Intersects the BioMap2 Critical Natural Landscape - Wetland Buffer layer	NHESP 2011 BioMap2 Critical Natural Landscape data layer
Wellhead	Intersects Zone II or IWPA wellhead protection areas	DEP 2011 Wellhead Protection Areas data layer
Open_Sp	Intersects permanently protected open space	MassGIS/MAPC/CMRPC Open Space data layers
Aquifer	Intersects a high or medium yield aquifer	MassGIS 2007 Aquifers data layer
Flood	Intersects a 100-year floodplain	FEMA Floodplain data layer (multiple years)
Trail	Intersects an off-road bike/walking trail	MAPC 2011 Trails data layer
Wetland	Intersects a wetland	DEP 2011 Wetlands data layer
SWSPA	Intersects a surface water supply protection area	Mass GIS 2011 Surface Water Supply Protection Areas data layer
Prime_Soil	Intersects prime farmland soils (All Areas Prime Farm Land and Farm of Statewide Importance)	MassGIS 2010 NRCS SSURGO-Certified Soils data layer
Greenway	Intersects a greenway (Commonwealth Connections)	Based on Data from 2003 MA "Commonwealth Connections" report
Vernal	Intersects a vernal pool	NHESP 2011 Certified Vernal Pools data layer
Res_Waters	Intersects outstanding resource waters	MassGIS 2010 Outstanding Resource Waters data layer
Mass_Econ	Intersects with Mass. Alliance for Econ. Devel. (MassEcon) Market Ready Site	MassEcon 2011 Market Ready Sites geographic data
Roads1	Located within 1/4 mile of Interstate exit	MassDOT 2009 Roads data layer
Roads2	Located within 1/8 mile of major roads class = 2 (Multi-lane roadway, not limited access)	MassDOT 2009 Roads data layer
Roads3	Located within 1/8 mile of major roads class = 3 (Other numbered route)	MassDOT 2009 Roads data layer
Roads4	Located within 1/8 mile of major roads class = 4 (Major road - arterials and collectors)	MassDOT 2009 Roads data layer
Imp_Stream	Intersects with hydrologic unit containing >50% impaired streams (based on USGS report)	Based on Data from 2009 "USGS Indicators of Streamflow Alteration, Habitat Fragmentation, Impervious Cover, and Water Quality for Massachusetts Stream Basins" report

