

## APPENDIX B. GIS data sources

(EPA, 2010) 303(d) Listed Impaired Waters: Impaired streams on the 2010 list of Indiana 303(d) list. Environmental Protection Agency. Line Shapefile.

(USGS, 2001) National Hydrography Dataset (1:100000; 1:24000): Streams derived from the National Hydrography Dataset at a 1:100000 scale. U.S. Geological Survey. Line Shapefile.

(U.S. Dept. of Commerce, U.S. Census Bureau, 2002) Populated Areas: Aerial locations of all populated places identified by the US Census Bureau. Derived from U.S. Department of Commerce, U.S. Census Bureau, Census 2000 Tiger Line Files. IndianaMap. Polygon Shapefile.

(USCB, 2002) Counties: Location and census data for each county of Indiana. Data from U.S. Department of Commerce, U.S. Census Bureau. IndianaMap. Polygon Shapefile.

(USGS, 2009) HUC 10 2009: Ten-digit Hydrologic Unit Code watershed boundaries for Indiana watersheds. A part of the Watershed Boundary Data set (WBD). Data credited to U.S. Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS), and U.S. Geological Survey (USGS). IndianaMap. Polygon Shapefile.

(USGS, 2009) HUC 12 2009: Twelve-digit Hydrologic Unit Code watershed boundaries for Indiana watersheds. A part of the Watershed Boundary Data set (WBD). Data credited to U.S. Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS), and U.S. Geological Survey (USGS). IndianaMap. Polygon Shapefile.

(USGS, 2001) 30 Meter DEM: Digital Elevation Model (DEM). A digital grid sized to 30 meters by 30 meters showing elevation. U.S. Geological Survey. Raster file.

(USGS, 2007) National Hydrography Dataset (1:24000): Surface water features including lakes, ponds, and reservoirs. From the National Hydrography Dataset (NHD). U.S. Geological Survey (USGS). Line and polygon Shapefile.

(USFWS; Ducks Unlimited, 2007) National Wetlands Inventory: The approximate location, type, and extent of wetlands as defined by Cowardin et al. (1979). U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation (2007 Update by Ducks Unlimited). Polygon Shapefile.

(NRC, 2004) Rivers Outstanding: Rivers and stream segments on the respective list for Indiana by the Natural Resource Commission (NRC). Data obtained for the 1:100000 National Hydrography Dataset (NHD). IndianaMap. Line Shapefile.

(Clinton Co. SWCD, 2008, 2011) Legal Drains/Tiles: Location and length of regulated drains for Clinton and Tippecanoe Counties (respective to publication date). Data from the counties' Surveyor Offices. Line Shapefile.

(NCSS, 1994) STATSGO Soil Associations: State Soil Geographic (STATSGO) data base-derived general soil associations. Developed by the National Cooperative Soil Survey (NCSS). IndianaMap. Polygon Shapefile.

(Clinton Co. SWCD, 2010) Unsewered Communities: A collection of the communities within the South Fork Wildcat Creek Watershed that do not have sewer systems, but use septic systems instead. Information from the health departments of Clinton and Tippecanoe Counties. Point Shapefile.

## APPENDIX B. GIS data sources

(NRCS, 2006) SSURGO Soil Survey: Soil Survey Geographic (SSURGO) Database showing the most detailed geographic soil data. Data obtained by the Indiana Geological Survey (IGS), Soil Data Mart (SDM), National Resources Conservation Service (NRCS), and U.S. Department of Agriculture (USDA). Polygon Shapefile.

(USGS, 2006) Land Cover 2006: A 30-meter grid showing land cover data in Indiana using data from 2006. Fifteen categories of land use are represented. Data compiled for Indiana from the 2006 National Land Cover Database. U.S. Geological Survey (USGS). Digital representation by Ben Reinhart. Raster file.

(NASS, 2010) Crops 2010: A 30-meter grid showing categorized land covers of crops. The satellite imagery was collected during the growing season. National Agricultural Statistics Service (NASS), U.S. Department of Agriculture (USDA). Digital representation by Ben Reinhart. Raster file.

(INDOT, 2004) Highways INDOT: Interstate, U.S., and State Highways. Attributes include route numbers and number of lanes. Indiana Department of Transportation (INDOT). Line Shapefile.

(INDOT, 2006) Roads INDOT 2005: City streets, county roads, U.S., State, and Interstate Roads, and non-certified other roads are shown. Indiana Department of Transportation (INDOT). Line Shapefile.

(IDEM, 2010) CONFINED\_FEEDING\_OPERATIONS\_IDEM\_IN: Confined feeding operation facility locations in Indiana. Operations include swine, chicken, turkey, beef, and dairy agri-businesses. Indiana Department of Environmental Management (IDEM). Point Shapefile.

(IGS, 2003) SAND\_GRAVEL\_PITS\_ABANDONED\_IN: Locations of abandoned sand and gravel pits in Indiana. Derived from an unpublished memorandum report. Indiana Geological Survey (IGS). Point Shapefile.

(IDEM, 2010) CLEANUP\_SITES\_IDEM\_IN: Locations of cleanup sites in Indiana. Sites require mitigation of risk to human health and the environment. Indiana Department of Environmental Management (IDEM), Office of Land Quality. Point Shapefile.

(IDEM, 2010) BROWNFIELDS\_IDEM\_IN: Locations of brownfields in Indiana. Abandoned, inactive, or inappropriately-used real estate parcels with or potentially with a hazard substance, contaminant, petroleum, or a petroleum product that poses a risk to human health and the environment. Indiana Department of Environmental Management (IDEM), Office of Land Quality. Point Shapefile.

(IDEM, 2010) UST\_IDEM\_IN: Locations of regulated underground storage tanks in Indiana. Attributes include facility identifications, federal identification numbers, and addresses. Indiana Department of Environmental Management (IDEM), Office of Land Quality. Point Shapefile.

(IDEM, 2010) LUST\_IDEM\_IN: Locations of all leaking underground storage tanks in Indiana. Attributes include facility identifications, federal identification numbers, and addresses. Indiana Department of Environmental Management (IDEM), Office of Land Quality. Point Shapefile.

(IDEM, 2010) WASTE\_TIRE\_SITES\_IDEM\_IN: Locations of waste tire sites in Indiana. Attributes include facility names and federal identification numbers. Tires at sites can be for processing, storage, or

## APPENDIX B. GIS data sources

transportation. Some are illegal tire dumps. Indiana Department of Environmental Management (IDEM), Office of Land Quality. Point Shapefile.

(IDEM, 2010) VRP\_SITES\_IDEM\_IN: Locations of Voluntary Remediation Program sites in Indiana. Attributes include facility names and federal identification numbers. Indiana Department of Environmental Management (IDEM), Office of Land Quality. Point Shapefile.

(IDEM, 2010) NPDES\_PIPE\_IDEM\_IN: Locations of National Pollutant Discharge Elimination System (NPDES) Program pipes in Indiana. Attributes include facility identifications, federal identification numbers, and addresses. Indiana Department of Environmental Management (IDEM), Office of Water Quality. Point Shapefile.

(IDEM, 2010) NPDES\_FACILITY\_IDEM\_IN: Locations of National Pollutant Discharge Elimination System (NPDES) Program Facilities in Indiana. Attributes include facility identifications, federal identification numbers, and addresses. Indiana Department of Environmental Management (IDEM), Office of Water Quality. Point Shapefile.

(IDEM, 2010) WASTE\_SOLID\_ACTIVE\_PERMITTED\_IDEM\_IN: Locations of active permitted solid waste sites in Indiana. Attributes include facility identifications, federal identification numbers, and addresses. Indiana Department of Environmental Management (IDEM), Office of Land Quality. Point Shapefile.

(IDEM, 2010) OPEN\_DUMPS\_IDEM\_IN: Locations of open dumps sites in Indiana. Attributes include facility names and federal identification numbers. Sites are not regulated and are illegal dump sites of solid waste. Indiana Department of Environmental Management (IDEM), Office of Land Quality. Point Shapefile.

(IDEM, 2010) WASTE\_OLD\_LANDFILLS\_IDEM\_IN: Locations of post-closure landfills in Indiana. The landfills are finished with post-closure care or are older landfills that were never permitted. Indiana Department of Environmental Management (IDEM), Office of Land Quality. Point Shapefile.

(IDEM, 2010) CONSTRUCTION\_DEMOLITION\_WASTE\_IDEM\_IN: Locations of construction and demolition waste facilities in Indiana. Sites are permitted state licensed facilities that accept solid waste in the form of anything that is attached to a house during construction or demolition. Indiana Department of Environmental Management (IDEM), Office of Land Quality. Point Shapefile.

(IDEM, 2010) CORRECTIVE\_ACTION\_SITES\_IDEM\_IN: Locations of corrective action sites in Indiana. Indiana Department of Environmental Management (IDEM), Office of Land Quality. Point Shapefile.