

Draft Geographic Information Systems Technical Documentation

Illiana Corridor



Prepared for

Illinois Department of Transportation and
Indiana Department of Transportation

June 21, 2012

THIS PAGE INTENTIONALLY LEFT BLANK

Contents

1.0	Introduction.....	1
2.0	Project Background	1
3.0	Purpose	3
4.0	Database Compilation	4
4.1	Analytical Capabilities.....	5
5.0	Alternatives Development and Evaluation	6
5.1	Locational Alternatives Screening	7
5.1.1	Locational Alternatives Evaluation Process	8
5.2	Affected Environment	9
5.3	Environmental Consequences Evaluation	9
5.4	Illiana Corridor GIS Database Organization	14
5.4.1	Basemap.....	14
5.4.2	Cultural Historical Archeological	14
5.4.3	Drainage.....	14
5.4.4	Environmental Layers.....	15
5.4.5	Geotechnical.....	15
5.4.6	Hazardous Materials.....	15
5.4.7	Hydrology	15
5.4.8	Land Use.....	15
5.4.9	Natural Areas.....	15
5.4.10	Parcels	15
5.4.11	SocioEconomic	15
5.4.12	Topology.....	15
5.4.13	Utilities.....	15

Tables

Table 1	Methodology for Analysis of Waters of the US/Wetland Impacts	10
Table 2	Methodology for Analysis of Cultural Resource.....	10
Table 3	Methodology for Analysis of Threatened and Endangered Species Impacts	10
Table 4	Methodology for Analysis of Farmland and Agriculture Impacts	10
Table 5	Methodology for Analysis of Land Use Impacts.....	11
Table 6	Methodology for Analysis of Water Quality and Floodplain Impacts.....	11
Table 7	Methodology for Analysis of Air Quality Impacts	11
Table 8	Methodology for Analysis of Economic Impacts	11
Table 9	Methodology for Analysis of Social Impacts	12
Table 10	Methodology for Analysis of Cumulative Impacts.....	12
Table 11	Methodology for Analysis of Noise Impacts	12
Table 12	Methodology for Analysis of Visual Impacts	12
Table 13	Methodology for Analysis of Traffic and Traffic Impacts.....	13
Table 14	Methodology for Analysis of Forest Impacts.....	13

Figures

Figure 1. Study Area Map	1
Figure 2. GIS Diagram	6
Figure 3. GIS Output Showing a Working Alignment within a Project Corridor.....	8
Figure 4. GIS Corridor and Working Alignment Evaluation - Example	14

Appendix

Appendix A. GIS Database Log

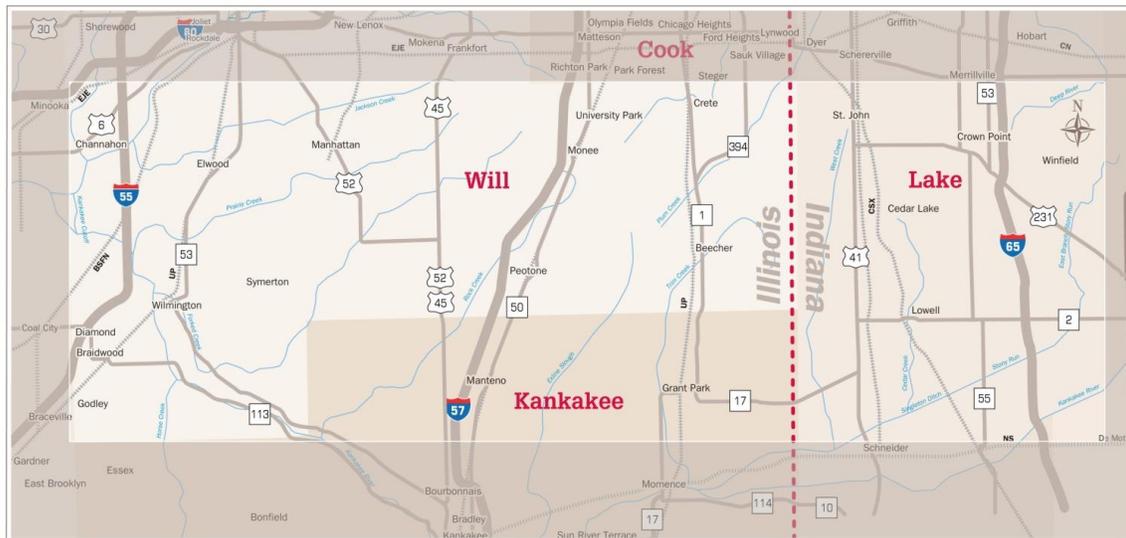
1.0 Introduction

This document describes the Geographic Information System (GIS) methodology for use in the Illiana Corridor. Provided below is a description of the approach used to develop the comprehensive GIS database for the Illiana Corridor Study Area and how the data is utilized in a Tier One Environmental Impact Statement (EIS) to identify potential transportation improvements and the potential impacts associated with each improvement. A table of GIS data sources and the data purpose is included at the end of this document.

2.0 Project Background

The Illinois Department of Transportation (IDOT), the Indiana Department of Transportation (INDOT) and the Federal Highway Administration (FHWA) are evaluating the transportation system in an area that traverses Will County and northern Kankakee County in Illinois and southern Lake County in Indiana. The Study Area for the Illiana Corridor is approximately 950 square miles in portions of Will and Kankakee counties in Illinois and Lake County in Indiana. The general location of the Study Area is between I-55 in Illinois on the west, I-65 in Indiana on the east, US 30 to the north, and the southernmost tip of Will County to the south, including the northern portion of Kankakee County in Illinois (Figure 1).

Figure 1. Study Area Map



Previous studies have indicated possible benefits from the development of an east-west transportation corridor extending from I-55 in Illinois to I-65 in Indiana. These include providing an alternate route for motorists traveling the I-90/94 corridor, relieving traffic on the I-80 Borman/Kingery Expressway and US 30, serving as a bypass for trucks around the congested metropolitan highways, providing access to one of the largest “inland port” intermodal freight areas in the US and the proposed South Suburban Airport, supporting economic development in this area, and the potential for substantial job creation. Will County, Illinois was one of the fastest growing counties in the U.S. between 2000 and 2010, adding 175,000 residents and increasing demand for additional transportation options.

The National Environmental Policy Act (NEPA) process for the Illiana Corridor is being conducted in two steps or “tiers” that build upon one another. As a single transportation solution for the Study Area has not been identified with respect to mode (e.g., roadway or transit) and/or location for the Illiana Corridor, the project is proceeding with preparation of a Tier One EIS. A Tier One EIS is used to resolve issues regarding the transportation mode, facility type, and general location, typically for projects involving a lengthy corridor or larger land area. The Tier One EIS analysis is providing an evaluation of the transportation problems in the Study Area based on stakeholder input and engineering analysis which forms the basis for the project Purpose and Need and for identifying potential corridors. The Tier One EIS will be completed at a sufficient level of engineering and environmental detail to allow for an informed decision on the issues under consideration in Tier One. For the Illiana Corridor, the Tier One EIS is intended to resolve the mode, facility type (e.g., type of roadway), and corridor location. The No-Action Alternative also will be considered in the Tier One EIS.

If the Tier One EIS results in a decision to select a working alignment within a corridor, FHWA and the States will proceed with Tier Two NEPA studies. During the Tier Two NEPA studies, work will focus on detailed environmental and preliminary engineering analyses, appropriate for a traditional (non-tiered) environmental document, for elements of the preferred transportation system corridor(s), selected in the Tier One Record of Decision (ROD). Each Tier Two NEPA study would be prepared for a project that has independent utility. Potential sections with independent utility can be based on factors such as engineering analysis (i.e.; projected travel demand), stakeholder input, funding considerations, and other considerations for the State of Illinois and the State of Indiana.

This document primarily outlines the detail planned for the Tier One EIS resource analyses, with reference to the increased level of detail anticipated for Tier Two NEPA studies.

3.0 Purpose

To efficiently and comparatively evaluate the potential social, economic, and environmental impacts of the Illiana Corridor, a comprehensive GIS database encompassing the entire Study Area has been developed. The GIS database will serve as a single source for storing, retrieving, editing/updating, analyzing and displaying project related information. Initially, the database will provide the ability to create comprehensive environmental resource maps to be used to first avoid and then minimize impacts as part of the definition of initial alternatives, to the extent practical. The GIS data will be used throughout the stepped alternatives screening process described in the Alternatives Development and Evaluation Methodology document. The transportation improvements can be comparatively analyzed to an increasing level of detail or with respect to specific sets of concerns or evaluation criteria as appropriate. The GIS database streamlines the capabilities, quality, and consistency with respect to preparing impact and performance reports in table format for comparative analysis. It also simplifies the ability to prepare public display exhibits as an essential and valuable component of the stakeholder coordination process.

The FHWA provides guidance on the consistency of using GIS as an analysis tool when following the NEPA process to examine potential alternatives on major projects in large Study Areas. Over the past several years, this approach has been used in the development of major projects. Nationally, the Planning and Environment Office of NEPA Facilitation and the FHWA Chief Counsel have reviewed the GIS approach as it was used in the southeast Arkansas I-69 Connector Corridor Study and concluded that the approach was technically relevant and met legal requirements. In Illinois, a GIS database has been used throughout the IDOT Tier One and Tier Two NEPA process for the Elgin O'Hare West Bypass (EOWB) project to aid in the comparative analysis of myriad alternatives and the overall project decision making process.

The GIS analysis of potential alternatives is useful for streamlining the NEPA process and in avoiding and minimizing impacts to environmental resources. Given the large Study Area of the Illiana Corridor and the number of project corridors analyzed, the use of GIS as an analysis tool will help streamline the evaluation process by helping to rapidly identify potential environmental concerns/impacts.

The GIS database will serve as the basis for efficient data management and data exchange between the travel demand model, traffic operation analysis and the alternatives evaluation for seamless post processing and analysis efforts.

The GIS Database will be used by the following teams:

- Environmental
- Planning
- Field verification

- Travel demand modeling
- Public Involvement (exhibit preparation for the Corridor Planning Group (CPG), Technical Task Force (TFF) and public meetings)
- Engineering team

4.0 Database Compilation

A GIS database has been developed for compilation of the Study Area data. ESRI ArcMap, also known as ArcGIS Desktop version 10.0, software will be used for the Illiana Corridor. The database will be developed using published and compiled data from public agencies and private vendor sources, as well as limited field data (during Tier One EIS) compiled during the project development process. Using ArcGIS the database will serve to tabulate environmental and physical effects of alternatives, requests from property owners, line of sight analysis and create exhibits for stakeholder and public meetings.

Most data received are already in a format native to ArcGIS known as shapefiles (.shp). Other data formats can be converted to an ArcGIS format and imported for use in the database. Attribute data is attached to corresponding features to provide qualitative descriptions in addition to the location information of the feature. Metadata is support data that includes information about the source of the GIS data and when it was created.

Data will be imported from the various sources into an ArcGIS Geodatabase. A geodatabase is a collection of geographic datasets of various types held in a common file system folder that is assigned the project coordinate system. The specified coordinate system for the Illiana Corridor is Illinois State Plane East North American Datum (NAD) 1983, units in feet. Any data received not in this coordinate system will be re-projected appropriately. Data layers will be adjusted to conform to the ortho-digital aerial photography as needed.

Appendix A provides a summary of the GIS database, including a description of the data gathered, the data source, the file type, and the date of the data source for the initial database layers that will be used. The database consists of data from federal, state and local government agencies, the internet or other sources. Some of the agencies/organizations that have provided GIS data for the Illiana Corridor include the following:

- IDOT
- INDOT
- Will County, Illinois GIS Department
- Kankakee County, Illinois GIS Department
- Lake County, Indiana Surveyor
- US Fish and Wildlife Service (USFWS)

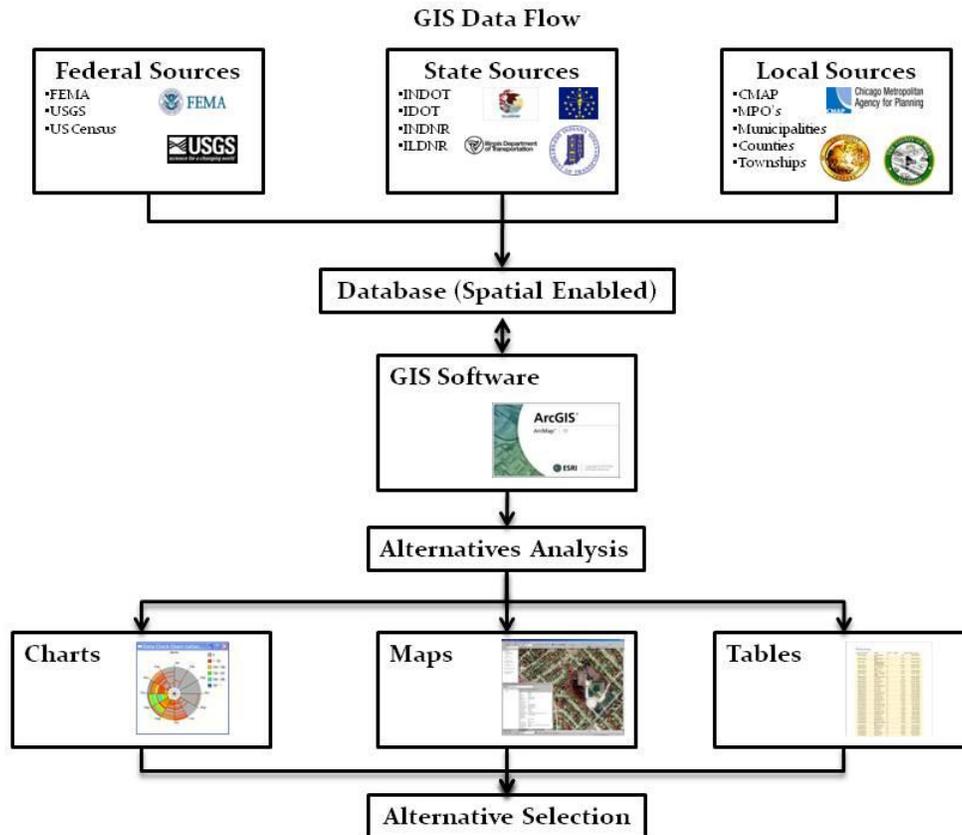
- National Pipeline Mapping System (NPMS)
- Chicago Metropolitan Agency for Planning (CMAP)
- Northwestern Indiana Regional Planning Commission (NIRPC)
- Kankakee Area Transportation Study (KATS)
- Federal Emergency Management Agency (FEMA)
- Illinois Department of Agriculture (IDA)
- Illinois Department of Natural Resources (Illinois DNR)
- Indiana Department of Natural Resources (Indiana DNR)
- Indiana Department of Environmental Management (Indiana DEM)
- Illinois State Geological Survey (ISGS)
- Illinois Environmental Protection Agency (Illinois EPA)
- Illinois Historic Preservation Agency (IHPA)
- United States Geological Survey (USGS)
- National Oceanic and Atmospheric Administration (NOAA)
- United States Census Bureau
- Economic and Social Research Institute (ESRI)

4.1 Analytical Capabilities

The ArcGIS software and its associated tools provide analytical capabilities that will be used extensively in the development and evaluation of alternatives. As shown in Figure 2, the data input in the database can be queried and information displayed in different formats e.g. maps, charts and tables. The Illiana Corridor GIS database will be utilized for many tasks during the course of the project. The major tasks include:

- Assist in characterizing resources in the Study Area for Chapter 3 in the Tier One EIS.
- Assist in alternatives development for multi-modal transportation improvements.
- Alternatives evaluation, both during the screening of potential project corridors and the assessment of detailed working alignments within the project corridors in the Tier One EIS.
- Map and graphics production.
- Sharing with the public using ArcGIS Online.

Figure 2. GIS Diagram



5.0 Alternatives Development and Evaluation

For the Tier One EIS, project corridors typically 2,000 feet in width were established to frame the analysis of potential transportation improvements. Within the context of the larger Study Area, these corridors provide the focus for discussing the existing conditions for all social, economic, and environmental resources that may be affected by the project.

Within each of the three project corridors, more specific working alignments were identified to represent the location of the potential transportation build alternatives. These working alignments generally follow the centerline of the corridors and provide a functional alignment to be used to determine potential impacts associated with a transportation improvement in each corridor. The working alignments within each corridor are being used in this Tier One EIS to assess the potential impacts to the social, economic, and environmental resources.

The screening evaluation considers the corridors travel performance and how well the corridor addresses the project’s purpose and need. Input received from resource

agencies, communities, interest groups, and other stakeholders is also considered in identifying those conceptual corridors to serve as the basis for the analysis. The initial geographic location of each corridor is based on generalized standard alignment criteria based on the mode and facility type.

The GIS database will serve as the basis for data management and data exchange between the travel demand model, traffic operation analysis and the alternatives evaluation. Travel model development will be conducted using EMME software, which has capabilities for exporting model results to a format that can be used for efficient data analysis and post processing efforts.

5.1 Locational Alternatives Screening

The purpose of performing the locational evaluation is to identify project corridors that best avoid or minimize potential environmental impacts. This information is combined with the travel performance evaluation results and financial considerations, to identify the project corridor(s) for further analysis.

The project corridors meeting the purpose and need will be carried forward into the locational screening to assess the potential built and natural environment impacts of the potential improvement's location. The database will serve to tabulate environmental and physical impacts of alternatives. These include:

- Impacts on habitat, water resources, endangered/threatened species, and public lands.
- Impacts on cultural resources.
- Amount of farmland that will be impacted.
- Potential indirect and cumulative impacts on low income and minority populations defined by census tracts bordering proposed alternatives.
- Potential impacts to the transportation network, based on results from the travel model.
- Air, noise, and energy impacts based on the travel changes.

Each project corridor will be overlaid on the GIS dataset, an impact analysis completed and the results compiled into a matrix, documenting the impact on critical geographical and environmental resources. Impact values will be tabulated and summarized for direct comparison between corridor alternatives.

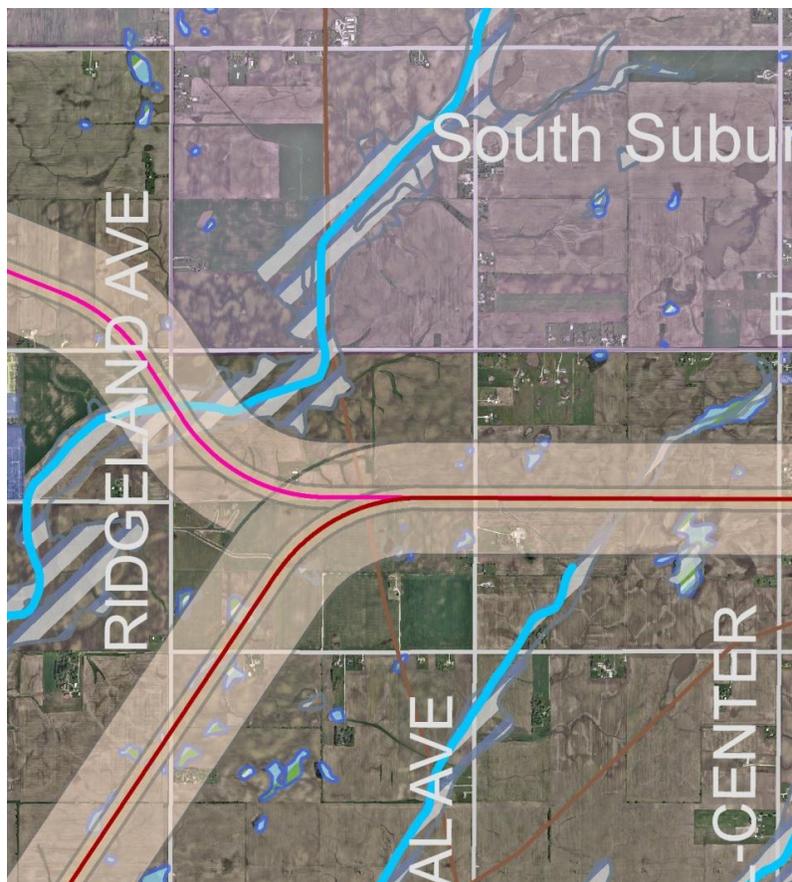
The corridors will be subjected to an iterative and detailed environmental, planning and engineering review process based on the impact data to mitigate the impacts as much as possible for each alternative. From this review, the differences between corridors will be apparent, and the information, when added to the functional evaluation results, will present a more complete analysis of each corridor's potential benefits and impacts.

The outcome of the locational screening will be the identification of project corridors which will be evaluated in the Tier One EIS.

5.1.1 Locational Alternatives Evaluation Process

In developing the initial alternative corridors, basic design criteria will be established to assure that engineering principles relative to geometrics and safety are met. A generalized footprint width of 400 feet will be used for the arterial improvements, and 2,000 feet will be used for the new access controlled/managed corridors, although footprint widths may be narrowed in environmentally sensitive areas. These wide footprints will allow for variable typical section elements (road and median width, large cuts and fills, freeway frontage roads) and potential Context Sensitive Solution enhancements. For the new access controlled/managed corridor, the wide allowance will also permit alignment variations. The analysis of impacts for each corridor is based on a working alignment that is on average 400 feet wide, but expands in several locations to accommodate potential interchange improvements. Figure 3 shows an example of two alternative working alignments with 400 foot and 2,000 foot corridors.

Figure 3. GIS Output Showing a Working Alignment within a Project Corridor



Based on the initial design of the project corridors, the first analysis of impacts will be completed. The environmental review focuses on direct and indirect impacts to agricultural land, natural resources, water resources, biological resources, special wastes and cultural resources. The engineering review evaluates facility access, corridor level geometrics, property severances and cost comparisons. The planning review includes evaluation of socio-economic impacts, environmental justice issues, land use and local planning issues, traffic service, functionality and safety.

The results of the analysis will be compiled into a spreadsheet and distributed to the environmental, engineering and planning review team members. This process facilitates the review of all critical factors associated with each corridor alignment and allows subsequent refinement to avoid, minimize and mitigate impacts.

5.2 Affected Environment

The Environmental Resources, Impacts, and Mitigation section of the Tier One EIS describes the environmental and social resources in the Study Area that may be affected by the project corridors and working alignments. ArcGIS will be used to summarize resources, habitat, land cover, public lands, hazardous sites, and land use in the Study Area. Socioeconomic features such as population, employment and racial composition, political townships will also be used to measure impacts.

5.3 Environmental Consequences Evaluation

The Tier One EIS is intended to provide the basis for deciding whether to proceed with a transportation improvement and, if so, to select a corridor(s) that would be advanced for detailed evaluation and refinement in the Tier Two NEPA studies. The Tier One does not replace the need to perform the field verification on alternatives in the Tier Two NEPA studies, nor does this replace the need to revisit corridors if substantial obstacles are identified in the future detailed assessments using field survey information completed in Tier Two. The Tier Two mapping will be confined to the corridor selected in Tier One, and provided at a higher resolution.

Table 1 through Table 14 contrast methodologies of the major impact categories, including the following: waters of the US/wetlands, cultural resources, threatened and endangered species, farmland and agriculture, land use, water quality and floodplains, air quality, economic, social, cumulative, noise, visual, traffic and forests. The GIS data is utilized for visual identification of impacts and provide quantifiable data to measure the size of the impact.

Table 1 Methodology for Analysis of Waters of the US/Wetland Impacts	
Tier One	Tier Two
Identify waters/wetlands within project corridors using National Wetland Inventory (NWI) maps and other available GIS data.	Obtain field delineated wetlands within the footprint of the Tier One preferred alternative(s).
Estimate number or size of corridor alignment impacts on NWI wetlands.	Complete Indiana Wetland Routine Assessment Protocol (InWRAP) analysis for wetlands impacted for the Tier One preferred alternative(s).
Identify high quality and sensitive waters/wetland complexes and define buffer zones as appropriate.	Obtain Army Corps of Engineers', Illinois Department of Natural Resources, and the Indiana Department of Environmental Management's approval of wetland surveys.

Table 2 Methodology for Analysis of Cultural Resource	
Tier One	Tier Two
Identify known sites within project corridors using GIS data gathered from local, state, and federal data sources.	Consult with state historic preservation offices (SHPO) and stakeholders, and complete field survey to identify additional unrecorded historic resources.
Identify reported archaeological sites and high probability areas.	Complete determinations of NRHP eligibility for identified unrecorded historic resources.
Define Area of Potential Effects and identify resources within it.	Conduct full assessments of effects on individual resources. Resolve adverse effects, as appropriate.
Assess preliminary and potential effects to resources. Formal assessment of effects.	Conduct archaeological field survey in areas potentially impacted.

Table 3 Methodology for Analysis of Threatened and Endangered Species Impacts	
Tier One	Tier Two
Identify threatened and endangered species within project corridors and identify possible areas of habitat impacts using state and federal data.	Conduct comprehensive field surveys as required, including sampling, trapping and capturing.

Table 4 Methodology for Analysis of Farmland and Agriculture Impacts	
Tier One	Tier Two
Identify farmland, including prime farmland, and Centennial farms within project corridors in GIS.	Map and delineate farmland and Centennial farms in and around corridor.
Estimate farmland (including prime farmland) acres potentially affected by working alignments using GIS.	Determine total farmland (including prime) acres potentially impacted by corridor.
	Coordinate with Natural Resources Conservation Service (NRCS) to develop a methodology using existing GIS data to assess farmland impacts for each alternative.

Table 5 Methodology for Analysis of Land Use Impacts	
Tier One	Tier Two
Identify major land uses or land cover within project corridors (GAP analysis, e.g., forests, croplands, wetlands, quarries, residential).	Field verify land uses depicted on aerial photographs.
Identify areas with comprehensive land use plans and evaluate project consistency with plans.	Determine number of land uses that may need to be converted due to proposed improvements.
Estimate amount of converted acres.	

Table 6 Methodology for Analysis of Water Quality and Floodplain Impacts	
Tier One	Tier Two
Identify water bodies, impaired water bodies, general floodplains, and karsts ¹ within project corridors.	Conduct field studies to evaluate biodiversity and water quality.
Review baseline water quality information and literature.	Conduct field studies to identify karsts features within transportation improvements.
Estimate acres of water bodies, physiographic karsts areas, and general floodplains impacted by working alignments.	Determine acres of water bodies, karsts features, and FEMA floodplains impacted by walking the alternatives.

Table 7 Methodology for Analysis of Air Quality Impacts	
Tier One	Tier Two
Identify nonattainment and maintenance areas within Study Area.	Analyze air quality along alternatives.
Coordinate with MPOs to satisfy conformity requirements.	Coordinate with MPOs to satisfy conformity requirements.
	Determine air quality dispersion impacts on communities adjacent to alternatives.

Table 8 Methodology for Analysis of Economic Impacts	
Tier One	Tier Two
Identify impacts to population and employment, as well as direct business impacts for the working alignments.	Assess economic impacts on localized basis.
Identify regional breakdown of economic impacts within the Study Area.	Consult with local and county economic officials to determine economic development plans.
	Identify impacts to businesses due to changes in drive-by traffic

¹ Distinctive landforms and hydrology created by dissolution of soluble rocks, principally limestone and dolomite. USGS groundwater information – <http://water.usgs.gov/ogw/karst/pages/whatiskarst>

Table 9 Methodology for Analysis of Social Impacts	
Tier One	Tier Two
Identify residences and communities, including minority and low-income communities, within project corridors using county assessor and US Census data.	Identify parcels to be impacted and number of land owners to be relocated.
Estimate range of possible relocations.	Identify relocation issues.
Adjust working alignment to minimize relocations where possible.	Provide more precise estimates of number of relocations.

Table 10 Methodology for Analysis of Cumulative Impacts	
Tier One	Tier Two
Identify effects of major planned projects upon existing land use development trends in the Study Area.	Refine assessment of other impacts based upon more current information about development trends (i.e., consultation with local and county officials).
Model effects of the corridor to estimate potential cumulative impacts over Study Area.	
Identify potential mitigation measures.	Refine mitigation measures, e.g., support for local land use planning.
Indirect and other impacts estimated for Year 2040.	Indirect and other impacts estimated for Year 2040.

Table 11 Methodology for Analysis of Noise Impacts	
Tier One	Tier Two
Identify existing activities, land use, and levels of truck and car traffic with project corridors.	Conduct field studies to determine actual noise levels along proposed alternatives.
Estimate potential Noise Sensitive Areas for comparative analysis.	Determine noise levels resulting from improvements and projected traffic volumes and develop mitigation measures, if necessary (e.g., noise barriers).

Table 12 Methodology for Analysis of Visual Impacts	
Tier One	Tier Two
Identify type of setting crossed by the project corridors.	Refine assessment of visual impacts by walking the corridors.
Estimate views of and from each working alignments to assess potential impacts.	
Evaluate potential for context-sensitive design elements.	Identify specific elements of working alignment appropriate for context-sensitive design.

Table 13 Methodology for Analysis of Traffic and Traffic Impacts	
Tier One	Tier Two
Travel Demand Model developed to forecast traffic. Base year for the Travel Demand Model (TDM) is 2010 and forecast year is 2040. Data from Chicago Metropolitan Agency for Planning (CMAP) and Northwestern Indiana Regional Planning Commission (NIRPC).	Traffic forecasts provided by more detailed corridor model, which uses as input forecasts provided by TDM. For both TMD and corridor model, base forecasts are for year 2010, and forecast year is 2040.
Traffic forecasts based upon land use forecasts for Year 2040. Land use forecasts are extrapolated from a 2010 base year.	Traffic forecasts based upon land use forecasts for Year 2040. These forecasts are extrapolated from a 2010 base year, and incorporated with results of year 2000 and/or 2010 census data as available.
Traffic model forecasts traffic flows on state highways and limited number of major local roads.	Traffic model forecasts traffic flows on local roads throughout the project corridor. Generally, traffic flows are forecasted for all roads of functional classification of major collector and higher.
Traffic forecasts also suitable for evaluating capacity requirements and level-of-service on major state highways.	Traffic forecasts evaluating performance on local roads in several-counties. Traffic forecasts are suitable for evaluating access treatment alternatives, such as grade separations and access roads.

Table 14 Methodology for Analysis of Forest Impacts	
Tier One	Tier Two
Identify forest impacts using USGS Land Cover GIS data, which is a subset of the National Land Cover Data (NLCD).	Identify forest impacts through photo interpretation of 2011 aerial photographs supplemented by field reconnaissance.
Estimate the acreage of possible forest impacts within the working alignment.	Identify acreage of forest impacts, type of forest to be impacted (USDA Forest Classifications), acreage of core forest impacts, and indirect forest impacts.

Figure 4 shows an example of how project corridors are visualized in GIS and impacts are identified. Using the selection tools in GIS, layers contained in the corridor or working alignment are extracted from the overall dataset. The data embedded in the GIS layers is then used to estimate the number or size of the impact(s).

The results of this analysis are placed into an evaluation table, where the results are rated by the level of impact. This un-weighted rating is calculated to simplify the comparison of impacts. A “1” rating indicates that this corridor has the most impacts for a given environmental factor, while a “10” rating indicates that the corridor has the least impacts. For each criterion, the two worst rated alternatives – those with the most negative impacts – are highlighted. Each alternative will also rated for the least impacts.

Due to the width of the assumed footprint, and since these project corridors have not been developed to a preliminary engineering level of detail, many of the impact area indicators are likely to show higher levels of impact than will be the case following

Figure 4. GIS Corridor and Working Alignment Evaluation – Example



additional engineering. Similarly, the individual resource impacts also will also be less in some cases, when further engineering is completed. Thus, these measures generally reflect worst-case impacts. Detailed avoidance and minimization of impacts will continue throughout the project development process.

5.4 Illiana Corridor GIS Database Organization

The Illiana Corridor database contains more than 130 data layers. To aid in the navigation of the database, the data layers were grouped into datasets, listed below. Appendix A contains lists of categories and shapefiles within, as well as metadata.

5.4.1 Basemap

Base mapping layers are data that establish common land based features such as community boundaries and transportation infrastructure.

5.4.2 Cultural Historical Archeological

Data pertaining to historical data (county, state, and National Register of Historic Places) as well as archeological data and burial sites.

5.4.3 Drainage

Hydrological drainage data gathered from the USGS National Hydrology dataset.

5.4.4 Environmental Layers

The majority of the data in the Illiana Corridor GIS are in the environmental category. These layers are comprised mostly of environmental items such as threatened and endangered species and impaired lakes and streams.

5.4.5 Geotechnical

Geotechnical data for the Study Area.

5.4.6 Hazardous Materials

Locations of existing and potential hazardous materials and sites. Includes leaking underground storage tanks, superfund sites and waste disposal sites (active and inactive).

5.4.7 Hydrology

All water data including streams, water bodies, flood zones, wetlands, and watersheds.

5.4.8 Land Use

Includes zoning and land use data as well as locations of civic, emergency, religious, commercial, recreational and federal facilities in the Study Area.

5.4.9 Natural Areas

Protected lands such as natural areas, preserves, parks, conservation areas, and national parks.

5.4.10 Parcels

Points and parcels used to identify properties and property owners that may be impacted by an alternative. The data can be utilized to create exhibits for land owners of their parcels and to generate a list of parcels and owner for contact purposes.

5.4.11 SocioEconomic

Data pertaining to socio economic concerns including census block group data and population estimates.

5.4.12 Topology

Contour lines for the Study Area.

5.4.13 Utilities

Pipelines, power transmission lines, power generation sites, and well locations.

THIS PAGE INTENTIONALLY LEFT BLANK

Appendix A: GIS Database Log

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
Basemap						
	AADT_Data_IL_20110722	IDOT	AADT Label Data			07/22/11
	AADT_IL_20110722	IDOT	Created from the IDOT roads file the attributes include AADT for road segments in Illinois. Data varies in age from 1973 to 2009.			07/22/11
	AADT_Year_IL_20110722	IDOT	AADT Year collected data			07/22/11
	Airport_Boundary_Will_20110525	Will County GIS	Airport Boundaries Will County	x	02/22/06	05/25/11
	AIRPORT_DISTS_K3_20110601		No Metadata; Kankakee County Airport District			06/01/11
	Airports_HAZUS_IN_20110523	Indiana Geological Survey, FEMA	a point shapefile that shows locations of airports in Indiana.		06/18/02	05/23/11
	Airports_NTAD_IN_20110525	Bureau of Transportation Statistics National Transportation Atlas Database; indianamap.org	This dataset was compiled to provide locations and attributes for airports		01/25/01	05/25/11
	AirportsPub_INDOT_IN_20110525	Indiana Department of Transportation; http://inmap.indiana.edu/dload_page/infrastructure.html	This data set was developed to provide accurate coordinate information for public-use airport locations in Indiana.		04/26/05	05/25/11
	Alt_Fuel_Sites_IN_20110525	Indiana	Alternative fuel retail fueling sites in the state of Indiana. Alternative fuels are described as biodiesel (B2, B5, B10, and B20) as well as ethanol (E85).		09/14/06	05/25/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Amtrak Stations Illinois	Federal Railroad Administration	Federal Railroad Administration's (FRA) Amtrak Station database.		03/01/09	05/25/11
	AmtrakNTAD_IN_20110525	Bureau of Transportation Statistics, Federal Railroad Administration; http://inmap.indiana.edu/dload_page/infrastructure.html	The Amtrak Stations database is a geographic data set containing Amtrak intercity railroad passenger terminals." "Attribute data include services and passenger amenities provided at the station		07/09/00	05/25/11
	Board_Dist_Will_20110525_1	Will County GIS	County Board Districts for Will County IL	x	02/22/06	05/25/11
	Bridges_County_INDOT_20110525	Indiana Department of Transportation, Business Information and Technology Systems; http://inmap.indiana.edu/dload_page/infrastructure.html	point shapefile that contains locations of all county and city bridges in Indiana		09/13/06	05/25/11
	Bridges_Sys1_INDOT_IN_20110525	Indiana Department of Transportation	point shapefile that contains locations of all system 1 bridges in Indiana		09/13/06	05/25/11
	CENTERLINES_K3_20110601	Kankakee County GIS (http://www.k3gis.com/index.php?option=com_content&task=view&id=80&Itemid=48)	Centerlines of roadways in Kankakee County			06/01/11
	CenterlinesStudy_Lake_20110603	NIRPC	Roadway centerlines for Lake County portion of the Illiana study area.			06/03/11
	Corp_Point_Lake_20110603	NIRPC	Point shapefile of municipal locations			06/03/11
	Corp_Poly_Lake_20110603	NIRPC	Polygon shapes of municipalities in Lake County, IN.			06/03/11
	County boundaries	ESRI	County Boundaries			07/19/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	County_IN_Statewide_111104	Indiana Statewide GIS database was produced under an Indiana Department of Transportation	locations for all Indiana counties and contains census data for each county		2000	11/04/11
	CountyAddress_Pt_Lake_20110525		Address Points for all counties in Indiana.			05/25/11
	Dams_IDNR_IN_20110525	Indiana Department of Natural Resources, Division of Water	data set showing the locations of dams in Indiana that are under the jurisdiction of the Indiana Department of Natural Resources		4/21/2010	05/25/11
	Freight_NTAD_REG_20110718	The spatial component of the FAF network is derived from National Highway System Version 2009.11 and contains state primary and secondary roads, National Highway System (NHS), National Network (NN) and several intermodal connectors as appropriate for the freight network modeling.	Federal Highway Administration Office of Freight Management and Operations		12/25/2010	07/18/11
	Geo_Twp_Poly_Lake_20110603		Township Polygons for Lake County			06/03/11
	HCV_AADT_IL_20110722	IDOT	Heavy Commercial Vehicle AADT.			07/22/11
	HCV_Year_IL_20110722	IDOT	Heavy Commercial Vehicle AADT Year.			07/22/11
	IDOTRoadSA	IDOT	IDOT Roads file reduced to the study area.			
	Incorporated_Areas_INDOT_IN	Indiana Department of Transportation	The polygon shapefile represents the incorporated area boundaries (Cities and Towns) in the State of Indiana		5/1/2006	

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Indiana_Twps	Indiana Geological Survey	Framework layer defining the township or range lines of Indiana in polygon format		1998	
	INDOTRoadsSA_MASTER_20110825	INDOT	INDOT Roads file reduced to the study area.			08/25/11
	Intermodal_SA_REG_20110719	Research and Innovative Technology Administration's Bureau of Transportation Statistics (RITA/BTS) National Transportation Atlas Databases (NTAD) 2010	Intermodal yards locations.		2010	07/19/11
	IntermodalYards_WILL_20110719		Constructed in GIS using aerials.			07/19/11
	Interstates_TIGER_IGS_IN_20110525	U.S Department of Commerce, U.S. Census Bureau	Interstate highways in Indiana		6/23/2003	05/25/11
	K3_POI		Kankakee County Points of Interest. Parks, Hospitals, Cemeteries, Post Offices, Schools.			
	LakeCoTransit_20110815	Regional Bus Authority of Northwest Indiana and NIRPC.	Existing bus transit routes in Northwest Indiana as of May 2011.		2011	08/15/11
	Metra_Hampshire_Ext	Metra	Possible Metra service extension to Hampshire IL	x		12/22/11
	Metra_HC_Midewin_Ext	Metra	Possible Metra service extension to Midewin	x		12/22/11
	Metra_Johnsburg_Ext	Metra	Possible Metra service extension to Johnsburg IL	x		12/22/11
	Metra_Marengo_Ext_2009	Metra	Possible Metra service extension to Marengo	x	2009	12/22/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Metra_Marengo_Stations_2009	Metra	Possible Metra service extension to Marengo station locations	x	2009	12/22/11
	Metra_Midewin_Ext	Metra	Possible Metra service extension to Midewin	x		12/22/11
	Metra_Minooka_Ext	Metra	Possible Metra service extension to Minooka	x		12/22/11
	Metra_Oswego_Ext	Metra	Possible Metra service extension to Oswego	x		12/22/11
	Metra_Oswego_Stations_2009	Metra	Possible Metra service extension to Oswego stations	x	2009	12/22/11
	Metra_Peotone_Ext	Metra	Possible Metra service extension to Peotone	x		12/22/11
	Metra_SES_20110719	Metra	Possible Metra Southeast Service	x	7/19/2011	07/19/11
	Metra_SES_Line_2009	Metra	Possible Metra Southeast Service	x	2009	12/22/11
	Metra_SES_Stations_2009	Metra	Possible Metra Southeast Service stations	x	2009	12/22/11
	Metra_SES_Stations_20110719	Metra	Possible Metra Southeast service stations	x	7/19/2011	07/19/11
	Metra_STAR_Line_12272011	Metra	Possible Metra Star Line extension	x	12/27/2010	12/22/11
	Metra_STAR_Line_Alt1	Metra	Possible Metra Star Line extension alternative	x		12/22/11
	Metra_Wadsworth_Ext	Metra	Possible Metra Wadsworth extension	x		12/22/11
	MetraLines_20111221	Metra	Existing Metra commuter rail lines.	x		12/21/11
	MetraStations_20111221	Metra	Existing Metra Stations	x		12/21/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	METRAMid_Ext_20110719	Metra	Possible Metra service extension to Midewin	x		07/19/11
	METRAMin_Ext_20110719	Metra	Possible Metra service extension to Minooka	x		07/19/11
	METRAPeo_Ext_20110719	Metra	Possible Metra service extension to Peotone	x		07/19/11
	MetraRail_REG_20110719	Metra	Existing Metra rail lines	x		07/19/11
	MetraStations_REG_20110719	Metra	Existing Metra stations	x		07/19/11
	MileMrkrSys1_INDOT_IN_20110525	Indiana Department of Transportation	locations of all mile-markers on System 1 roads in Indiana		9/13/2006	05/25/11
	MU_AADT_IL_20110722	Illinois Department of Transportation	Multi Unit Vehicle AADT IL annotation			07/22/11
	Municipalities	Illinois Department of Transportation	Municipalities in study area			
	Municipalities_Cook	Illinois Department of Transportation	Subset of the overall Municipalities shapefile from IDOT.			07/27/11
	MUNICIPALITIES_K3_20110601	Kankakee County GIS (http://www.k3gis.com/index.php?option=com_content&task=view&id=80&Itemid=48)	Municipalities in Kankakee County			06/01/11
	Municipalities_Will_20110525	Will County GIS	Municipality boundaries in Will County	x	2/22/2006	05/25/11
	PaceBus	Pace Suburban Bus Service	Pace Suburban Fixed Bus Routes in study area	x	6/5/2009	08/04/11
	PoL_Twp_Poly_Lake_20110603		Lake County Township Boundaries			06/03/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Ports_SA_WILL_20110719	National Waterway Network was created on behalf of the Research and Innovative Technology Administration's Bureau of Transportation Statistics, the U.S. Army Corps of Engineers, the U.S. Bureau of Census, and the U.S. Coast Guard by Vanderbilt University and Oak Ridge National Laboratory.	Contains physical information on commercial facilities at the principal U.S. Coastal, Great Lakes and Inland Ports.		2010	07/19/11
	Rail_INDOT_Active_20111511	Indiana Department of Transportation	Subset of the overall Indiana rail system showing only active rail lines.		9/13/2006	05/11/11
	Rail_System_INDOT_IN_20110525	Indiana Department of Transportation, Railroads Section; http://inmap.indiana.edu/dload_page/infrastructure.html	a line shapefile that shows the 2006 rail system of Indiana		2006	05/25/11
	Rail_Xing_INDOT_IN_20110525	Indiana Department of Transportation; http://inmap.indiana.edu/dload_page/infrastructure.html	point shapefile that contains locations of rail crossings in Indiana		1/1/2005	05/25/11
	railroad_2m_ntad_IN_20110525	Federal Railroad Administration, Bureau of Transportation Statistics, National Transportation Atlas Database; http://inmap.indiana.edu/dload_page/infrastructure.html	comprehensive data set of the nation's railway system at the 1:2,000,000 scale. Superseded by RailSysActvAbnd_INDOT shapefile.		1/1/2000	05/25/11
	Railroad_K3_20110722		Subset of the Illinois DOT railroad system.			07/22/11
	Railroad_Xing_Will_20110525		Railroad crossing point locations in Will County			05/25/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Railroads_Will_20110525	Will County GIS	Railroad track locations in Will County	x	9/1/2006	05/25/11
	RailSysActvAbnd_INDOT_20110525	GIS Map Department, Business Information and Technology Systems, GIS Mapping, supplied by INDOT	line shapefile that contains all active and abandoned rail lines in Indiana		9/13/2006	05/25/11
	Ramps_INDOT_IN_20110525	Indiana Department of Transportation	contains all ramps in Indiana		9/13/2006	05/25/11
	RiverValleyMetroTransit_20110815	http://www.rivervalleymetro.com/wp-content/uploads/2010/12/FULL_SYSTEM_MAP_1010.pdf	Routes were drawn in by Illiana project team using map available on the River Valley Metro Transit website. http://www.rivervalleymetro.com/wp-content/uploads/2010/12/FULL_SYSTEM_MAP_1010.pdf			08/15/11
	Road_2010_K3_20110601		Visible and hidden road and pavement-related features within orthophotography taken in 2006. This data set is compiled at 1" = 100' and is designed to serve as Kankakee County's GIS base map.		2010	06/01/11
	RoadNames_IL_20110722		Annotation file of road names in Illinois.			07/22/11
	Roads_2005_INDOT_IN_20110525	Indiana Department of Transportation	road network of Indiana		9/13/2006	05/25/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Roads_IDOT	Illinois Department of Transportation	Centerlines and AADT data for ILRoads. Used Functional Classification for identification of freight truck routes. The list of designated truck routes in the state of Illinois was match to the list found at this link. http://www.gettingaroundillinois.com/pages/dtr.aspx . Narrowed down to the study area on the Illinois side.	x	2011	
	Roads_IDOT_Regional	Illinois Department of Transportation	Centerlines and AADT data for ILRoads. Used Functional Classification for identification of freight truck routes. The list of designated truck routes in the state of Illinois was match to the list found at this link. http://www.gettingaroundillinois.com/pages/dtr.aspx . Expanded to include road data in counties outside of the study area.	x	2011	
	Roads_INDOT	U.S. Census Bureau and the Indiana Department of Transportation; http://inmap.indiana.edu/dload_page/infrastructure.html	line shapefile of Indiana roads clipped down to the study area for Illiana.		2005	

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Roads_INDOT_State_20110525	U.S. Census Bureau and the Indiana Department of Transportation; http://inmap.indiana.edu/dload_page/infrastructure.html	line shapefile of Indiana roads expanded to include counties outside the Illiana study area.		2005	05/25/11
	RoadsSA_INDOT_20110817	Indiana Department of Transportation	INDOT roads shapefile clipped down to the Illiana study area boundaries		2005	08/17/11
	runways_hazus_IN_20110525	FEMA	locations of airport runways in Indiana		6/26/2006	05/25/11
	SAmpo_REG_20110719	Research and Innovative Technology Administration's Bureau of Transportation Statistics and the Federal Highway Administration	locations, names and sizes of Metropolitan Planning Organizations		2010	07/19/11
	Section_PLSS_Will_20110525	Will County GIS	Public Land Survey Section Boundaries	x	2/22/2006	05/25/11
	Section_Point_Lake_20110603		Township Section and Range			06/03/11
	Section_Poly_Lake_20110603		Township Section and Range polygons			06/03/11
	SSAExist_2011_05_Will_20110602		Existing boundaries of airport currently located in the location of the future South Suburban Airport.			06/02/11
	State_House_Will_20110525	Will County GIS	State House boundaries for Will County	x	2/22/2006	05/25/11
	State_REG_20110719	ESRI	U.S. States (Generalized) represents the 50 states and the District of Columbia of the United States.		10/1/2006	07/19/11
	State_Senate_Will_20110525	Will County GIS	State Senate Boundaries for Will County	x	2/22/2006	05/25/11
	Streets_Will_20110525		Streets in Will County			05/25/11
	SU_AADT_IL_20110722		Single Unit vehicles AADT in Illinois.			07/22/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Sub_Point_Lake_20110603		Sub sections Lake County			06/03/11
	Sub_Poly_Lake_20110603		Sub sections (polygon) Lake County			06/03/11
	Subdivision_Will_20110525	Will County GIS	Subdivisions in Will County	x	2/22/2006	05/25/11
	Township_Will_20110525	Will County GIS	Township boundaries in Will County	x	2/22/2006	05/25/11
	Trails_FPDWC_Will_20110525	Forest Preserve District of Will County	Will County Trails subset from the Trails Regional FPDWC shapefile.			05/25/11
	Trails_IDNR_IN_20110627	Indiana Geological Survey	Existing and proposed trails in Lake County, IN	x	4/13/2011	06/27/11
	Trails_IDNR_IN_20110627_Existing	Indiana Geological Survey	Subset of Trails IDNR IN 20110627 file showing only existing trails	x	4/13/2011	06/27/11
	Trails_INDNR_Proposed_20111511	Indiana Geological Survey	Subset of Trails IDNR IN 20110627 file showing only proposed trails	x	4/13/2011	05/11/11
	Trails_K3_20110601		Kankakee county trails			06/01/11
	Trails_Regional_FPDWC_20110525	Forest Preserve District of Will County	Regional Trails system including Kanakakee and Grundy Counties			05/25/11
	Trails_WillCoExisting_20110818		Supplement Will County Trails file to the FPDWC file.			08/18/11
	WillCo_OtherPublicProp		Will County Public properties including cemeteries, parks, police stations.			08/16/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
Cultural/Historical/Archeological						
	FarmsHsrHomstd1994_IN_20110525	Bernardin, Lochmueller and Associates; http://inmap.indiana.edu/dload_page/environment.html	Hoosier Homestead Award. This program recognizes farms that have been owned by the same family for one hundred years or more.		1994	05/25/11
	IllinoisHistoricFarms_EstLocation_05	Illinois Department of Agriculture	IllinoisHistoricFarms_EstLocation_2011 was produced to facilitate verification of historic farms in the Illiana Corridor Project Study area in the potentially impacted portions of Kankakee and Will Counties.		8/16/2011	08/16/11
	CanalsHistRoutes_IN_20110525	Bernardin-Lochmueller & Associates	locations of three historic canals in Indiana, the Wabash-Erie Canal, White Water Canal and the Central Canal.		7/29/2000	05/25/11
	CanalsHistStruct_IN_20110525	Bernardin-Lochmueller & Associates	locations of historic structures associated with the Wabash-Erie, Central, and Whitewater Canals constructed in Indiana in from 1830-1870.		4/3/2000	05/25/11
	IllinoisNR_Districts_2011	Illinois Historic Preservation Agency, Historic Architectural and Archaeology Resources Geographic Information System (HAARGIS), 2011.	Created from HAARGIS data, downloaded on 07.20.2011. Includes the Peotone Historic District and Alternate Route 66 [Illinois 53]. This data is a PLACEHOLDER until we obtain correct data from Illinois DNR.	x	2011	07/21/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	IllinoisNR_Sites_IL_20110721	Illinois Historic Preservation Agency, Historic Architectural and Archaeology Resources Geographic Information System (HAARGIS), 2011.	Point file of historic sites in Illinois	x	2011	07/21/11
	IndianaNR_Sites_IN_20110721		National register historic sites Indiana.			07/21/11
	Historic_WillCo_101104	Will County GIS	Point file of historic and potential historic sites in Will County IL	x		10/04/11
	ARP	IDOT		x		8/26/2011
	mortuary_sites	IDOT	Historic burial sites	x		8/26/2011
	paleontologicalpaleontological_sites	IDOT	Palentological sites	x		8/26/2011
Drainage						
	Drainage_Dist_Will_20110525_X	Will County GIS	Drainage taxing districts	x	2/22/2006	05/25/11
	drainage_Lake_20110603		No Metadata			06/03/11
	drainge_qc_nodes_Lake_20110603		No Metadata			06/03/11
	HydrologyDrain2010_K3_20110601	Kankakee County GIS			10/25/2007	06/01/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
Environmental						
	ThreatEnd_LakeCo_INNH_20120628	Indiana Natural Heritage Database	Threatened and Endangered species in Lake County IN. The Indiana Natural Heritage Database is a digital, geospatial file containing information on Indiana's rare or otherwise significant natural features, including plant and animal species, natural communities, and animal aggregations. It lists locations and dates of occurrences or sightings, of both federal and state endangered species, including specific latitude and longitude for points of occurrence. The database was compiled from numerous sources including museums, herbaria, publications, and the results of fieldwork by many individuals. All counties in the state are represented in the Heritage database.	x		6/28/2012
	ThreatenedEndangered_ILDNR_TE_SA_20120418	Illinois Department of Natural Resources	Threatened and Endangered Species in Illiana Study area	x		4/19/2012
	air_quality_ntad_IN_20110525	Research and Innovative Technology Administration, Bureau of Transportation Statistics, Federal Highway Administration, Bernardin, Lochmueller & Associates	Polygons in this shapefile indicate areas in Indiana designated as non-attainment for ozone and (or) PM-2.5; or maintenance for ozone, carbon monoxide, lead, sulfur dioxide, and (or) PM-10.		8/22/2007	5/25/2011
	BacteriaMonitorEPA_IN_20110525	USEPA	provide general information on water quality at monitoring stations in Indiana.		5/1/2003	5/25/2011
	BeecherLandfill_IL_20110722	Public input	landfill north of Beecher IL		7/22/2011	7/22/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	BiologicSurvey_Diversity_IDNR_2011 1012	Illinois Department of Natural Resources - Office of Resource Conservation	The Biological Stream Ratings for Diversity map is one of two parts that comprise a replacement for the Biological Stream Characterization (BSC) process. The BSC was jointly developed by the Illinois Department of Natural Resources (IDNR) and the Illinois Environmental Protection Agency (IEPA) in 1989 (Hite and Bertrand 1989) and was updated in 1996 (Bertrand et al. 1996).		2006	10/12/11
	BiologicSurvey_Integrity_IDNR_2011 1012	Illinois Department of Natural Resources - Office of Resource Conservation	The Biological Stream Ratings for Diversity map is one of two parts that comprise a replacement for the Biological Stream Characterization (BSC) process. The BSC was jointly developed by the Illinois Department of Natural Resources (IDNR) and the Illinois Environmental Protection Agency (IEPA) in 1989 (Hite and Bertrand 1989) and was updated in 1996 (Bertrand et al. 1996).		2006	10/12/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	BiologicSurveyRating_IDNR_20111012	Illinois Department of Natural Resources - Office of Resource Conservation	The Biologically Significant Streams (BSS) map replaces the map by Page et. al (1992). Following the publication of the first Biological Stream Characterization (BSC) ratings (Hite and Bertrand 1989), the Illinois Natural History Survey developed a list of BSS for the purpose of protection 100% of the stream-dependant biodiversity.		2006	10/12/11
	Brownfields_IDEM_IN_20110525	Brownfields Section, Office of Land Quality, Indiana Department of Environmental Management	point shapefile that contains brownfield locations in Indiana		4/16/2010	05/25/11
	Brownfields_EPA_REG_20110418	USEPA	Brownfield Locations in Illinois. Subset of USEPA nationwide dataset.			04/18/11
	CELCP_Priority_IN_20110627	NOAA (Coastal & Estuarine Land Conservation Program)	CELCP locations in Indiana			06/27/11
	Ecoregions_USGS_IN_20110525	USGS & Indiana Geologic Survey	"Assist managers of aquatic and terrestrial resources in understanding regional patterns of of the realistically attainable quality of these resources."		12/16/2003	05/25/11
	eorep_2mileBuffer_110818	Illinois Environmental Survey Data	Threatened and Endangered species locations and wetlands	x		8/25/2011
	Facilities_EPA_2011_04	USEPA	EPA hazardous waste sites			4/1/2011
	Forests_IllianaSA_20110829	Huff & Huff	Forested Areas in Illiana Study area greater than 20 acres	x	8/29/2011	8/29/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	ImpairedLakes_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Water Quality 2006	data layer was developed to communicate the location and extent of the listed impaired water bodies as determined by the TMDL Committee and Technical Staff.		2006	5/25/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	inai_2mileBuffer_110818	Illinois Department of Natural Resources	Locations of natural areas in Illiana study area in Illinois.	x		8/18/2011
	InstControls_IDEM_IN_20110525	Engineering and GIS Services, Office of Land Quality, Indiana Department of Environmental Management	polygon shapefile that contains Institutional Control (IC) site locations in Indiana for the Indiana Department of Environmental Management		12/12/2011	5/25/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Lakes_303d_IN_20110627	Indiana Department of Environmental Management, Office of Water	location and extent of the listed impaired water bodies		6/21/2006	6/27/2011
	NaturePreservesAreas_IDNRFOI_110824	Illinois Department of Natural Resources	Grundy, Kankakee, Kendall and Will Counties: State Parks, Resource Areas, Fish and Wildlife Conservation Areas and any other properties owned or maintained by IDNR, other than those properties in the Illinois Natural Areas Inventory and the Illinois Nature Preserves Commissions.			8/24/2011
	np_2mileBuffer_110818	Illinois Department of Natural Resources	Nature Preserve locations in Illinois	x		8/18/2011
	NWI_lines_2mileBuffer_110818	USFWS	shapefiles that contain features of wetlands, lakes, ponds, streams and other water resources in Illiana counties. These layers are compiled from the National Wetland Inventory. This layer is intended for use with its companion layers of Wetland points and Wetland polygons.		1/28/2003	8/18/2011
	NWI_points_2mileBuffer_110818	USFWS	shapefiles that contain features of wetlands, lakes, ponds, streams and other water resources in Illiana counties. These layers are compiled from the National Wetland Inventory. This layer is intended for use with its companion layers of Wetland polygons and Wetland polygons.		1/28/2003	8/18/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	NWI_polygons_2mileBuffer_110818	USFWS	shapefiles that contain features of wetlands, lakes, ponds, streams and other water resources in Illiana counties. These layers are compiled from the National Wetland Inventory. This layer is intended for use with its companion layers of Wetland points and Wetland lines.		1/28/2003	8/18/2011
	StreamsL1_303d_REG_20110721	None	To identify the spatial extent of waters listed under 303(d). These waters can be linked to the 303(d) information stored in EPAs Assessment and TMDL Tracking and Implementation System (ATTAINS) for query and display via EPAs WATERS Expert Query Tool. The source_feature_id field in the waterbody shapefile can be linked to the listed_water_id in EPA's Assessment and TMDL Tracking and Implementation System (ATTAINS).			7/21/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	StreamsL2_303d_REG_20110721					
	StreamsL3_305b_REG_20110721					
	StreamsP1_303d_REG_20110721	None	To identify the spatial extent of waters listed under 303(d). These waters can be linked to the 303(d) information stored in EPAs Assessment and TMDL Tracking and Implementation System (ATTAINS) for query and display via EPAs WATERS Expert Query Tool. The source_feature_id field in the waterbody shapefile can be linked to the listed_water_id in EPA's Assessment and TMDL Tracking and Implementation System (ATTAINS).			7/21/2011
	StreamsP2_303d_REG_20110721					
	StreamsP3_305b_REG_20110721					

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Threat_End_Spec_IL_20110721	Illinois Department of Natural Resources	Threatened and Endangered species locations in Illinois	x		7/21/2011
	Threat_End_Spec_LAKE_20110601	Indiana Department of Natural Resources	Threatened and Endangered species locations in Lake County Indiana	x	10/7/2010 (Latest date in the Last Observation column)	6/1/2011
	WaterQualStats_EPA_IN_20110525	USEPA	Points represent monitoring stations attributed as occurring within the state of Indiana or along the Ohio River in Kentucky and Ohio.		3/1/2004	5/25/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
Environmental Study Boundaries						
	B3_No_IL53_400Buffer	Illiana Environmental Team	DEIS boundaries	x		2/16/2012
	B3_offset_IL53_200ft_400ft	Illiana Environmental Team	DEIS boundaries	x		2/16/2012
	B3Lines	Illiana Environmental Team	DEIS boundaries	x		2/16/2012
	EnvLimits_B3_120127	PB	Environmental Limits/ROW footprint	x	1/27/2012	
	EOP_B3_MAI_120130	McDonough and Associates	Edge of Pavement for B3 alignment	x	1/30/2012	
Geotechnical						
	all_mines_pt_ILEast	Illinois State Geological Survey Coal Section	Coal mine points in Illinois. A merge of all updated coal mine point shapefiles was conducted to create this feature class. Updated underground mine points as of January 1, 2010 and surface mine points as of June 30, 2009 are included. This information was extracted from detailed coal mine data stored in the ISGS Coal Section library database and company mine maps.		1/1/10	9/15/11
	all_mines_pyILEast	Illinois State Geological Survey Coal Section	Outlines of coal mined areas in Illinois		1/1/10	9/15/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Aquifers_Rock_USGS_IN_20110525	Indiana University, Indiana Geological Survey	Four types of bedrock aquifers in 12 water-management basins identified by the Indiana Natural Resources Commission (INRC) in Indiana		1994	5/25/11
	AquifersUncon_USGS_IN_20110525	Indiana University, Indiana Geological Survey	Five types of unconsolidated aquifers in 12 water-management basins identified by the Indiana Natural Resources Commission (INRC) in Indiana		1994	5/25/11
	Bedrock_Depth_Elevation_IN	Indiana Geological Survey (IGS)	bedrock depth and elevation data throughout the state of Indiana		9/1/03	9/15/11
	Bedrock_Drift_Thick_110901_ILEast	Illinois State Geological Survey	SDE feature dataset showing drift thickness in Illinois	x	1975	9/1/11
	Bedrock_IL_110901_ClipCounties	Illinois State Geological Survey	dataset shows the distribution and extent of the bedrock geologic units within the State of Illinois, as depicted on the map Bedrock Geology of Illinois (2005)	x	2005	9/15/11
	Bedrock_Indiana_110901_ClipCounties				10/21/2003	9/15/11
	BedrockGeology_IN	Indiana Geological Survey	bedrock geology of the state of Indiana		1987	9/15/11
	Coal_Mines_Underground_2009_IN	Indiana Geological Survey	location and extent of underground coal mines in the coal region of west-central and southwestern Indiana		12/31/09	9/15/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Hydric_Soils_IN_20110627	Illinois State Geological Survey	distribution and extent of the bedrock geologic units within the State of Illinois		2005	6/27/11
	IL_Bedrock_Topography_1994_Ln	Illinois State Geological Survey	bedrock topography	x	1994	9/15/11
	IL_Drift_Thickness_Ln	Illinois State Geological Survey	drift thickness in Illinois	x	1975	9/15/11
	IL_Drift_Thickness_Poly_110920_ILEast	Illinois State Geological Survey	drift thickness in Illinois	x	1975	9/15/11
	IL_Drift_Thickness_Py	Illinois State Geological Survey	This is an SDE feature dataset showing drift thickness in Illinois.		4/23/2004	9/15/11
	IL_Geologic_Units_500K_2005_Py_IL East			x		9/15/11
	IL_Quat_Geology_500K_1979_Py	Illinois State Geological Survey	Quaternary Deposits in Illinois	x	6/1/05	9/15/11
	IL_Quat_Unit_Bndys_2500K_1996_Ln	Illinois State Geological Survey	Updated to reflect the areal distribution of the Wedron and Mason Groups (Wisconsin and Hudson Episodes) and deposits of the Illinoian and pre-Illinoian episodes in Illinois as described in ISGS Bulletin 104.	x	1996	9/15/11
	IL_Quat_Units_2500K_1996_Py	Illinois State Geological Survey	Updated to reflect the areal distribution of the Wedron and Mason Groups (Wisconsin and Hudson Episodes) and deposits of the Illinoian and pre-Illinoian episodes in Illinois as described in ISGS Bulletin 104.		1996	9/15/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	INBedrockDepth_110920	Indiana Geological Survey	BEDROCK_DEPTH_ELEVATION_2010_IGS_IN was produced to facilitate the creation of a grid showing the elevation of the bedrock surface of Indiana, particularly in the glaciated part of Indiana north of the Wisconsin glacial limit.	x	1/21/11	9/20/11
	soilmu_a_il031	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/14/11
	soilmu_a_il091	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/15/11
	soilmu_a_il197	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/16/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	soilmu_a_in089	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		9/22/10	10/17/11
	soilmu_a_in089_IN_20110525	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)				10/18/11
	soilmu_l_il031	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/19/11
	soilmu_l_il091	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/20/11
	soilmu_l_il197	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/21/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	soilmu_l_in089	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		9/22/10	10/22/11
	soilmu_p_il031	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/23/11
	soilmu_p_il091	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/24/11
	soilmu_p_il197	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/25/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	soilmu_p_in089	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		9/22/10	10/26/11
	SOILS_STATSGO_IN_20110525	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)				10/27/11
	Soils_Will_20110525_1	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)		x		10/28/11
	soilsa_a_il031	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/29/11
	soilsa_a_il091	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/30/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	soilsa_a_il197	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	10/31/11
	soilsa_a_in089	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		9/22/10	11/1/11
	soilsf_l_il031	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	11/2/11
	soilsf_l_il091	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	11/3/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	soilsf_l_il197	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	11/4/11
	soilsf_l_in089	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		9/22/10	11/5/11
	soilsf_p_il031	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	11/6/11
	soilsf_p_il091	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	11/7/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	soilsf_p_il197	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		2/12/10	11/8/11
	soilsf_p_in089	U.S. Department of Agriculture, Natural Resources Conservation Service (Soil Data Mart)	information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey.		9/22/10	11/9/11
	SurfaceGeo_IL_110901_ClipCounties	Illinois State Geological Survey	Quaternary Deposits in Illinois	x	6/1/05	9/1/11
	SurfaceGeo_IN_110901_ClipCounties					
	surficial_geol_mm49_in_110920_ILEast	Indiana Geological Survey	surficial geology in Indiana		3/20/2002	9/20/11
	unconsol_th_mm37_in_110920_ILEast	Indiana Geological Survey	thickness ranges of unconsolidated deposits (everything above the bedrock) in Indiana		3/28/2002	9/20/11
Hazardous Materials						
	Abandoned Landfills IL	http://www.epa.state.il.us/land/cleanup-programs/33-abandoned-landfills-book/abandoned-landfill-book.pdf	Abandoned Landfill Sites in Study Area		12/21/11	12/21/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	CERCLIS_Sites_Will_20110525	Comprehensive Environmental Response Compensation, and Liability System (CERCLIS)	This data set contains potential EPA Superfund sites. These locations represent sites, not contaminated areas.			5/25/11
	Cleanup_Sites_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Land Quality	locations of cleanup sites in Indiana		6/4/09	5/1/11
	CompostFacs_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Land Quality; http://inmap.indiana.edu/dload_page/environment.html	composting facility locations in Indiana		4/16/10	5/25/11
	ConfineFeedOps_IDEM_20110525	Indiana Department of Environmental Management, Office of Land Quality; http://inmap.indiana.edu/dload_page/environment.html	confined feeding operation facility locations in Indiana		4/16/10	5/25/11
	ConstrDemoWaste_IDEM_20110525	Indiana Department of Environmental Management, Office of Land Quality	construction and demolition waste facility locations in Indiana		4/16/10	5/25/11
	CorrectActSts_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Land Quality; http://inmap.indiana.edu/dload_page/environment.html	corrective action site locations in Indiana	x	4/16/10	5/25/11
	Facilities_EPA_REG_20110418		Hazardous Waste Sites			4/18/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Hazardous_CERCLISites_USEPA_111012 (CERCLIS data only)	http://www.epa.gov/enviro/index.html	CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System - Superfund is a program administered by the EPA to locate, investigate, and clean up the worst hazardous waste sites throughout the United States.			8/1/11
	Hazardous_SRPSites_IIEPA_111102	Illinois Environmental Protection Agency http://www.epa.state.il.us/land/gis/	Site Remediation Program (SRP) - Identifies the location of all voluntary remediation projects administered through the Pre-Notice Site Cleanup Program (1989 to 1995) and the Site Remediation Program (1996 to the present). KMZ file converted for use in ArcGIS.			11/2/11
	Hazardous_LUSTSites_IIEPA_111102	Illinois Environmental Protection Agency http://www.epa.state.il.us/land/gis/	The Leaking Underground Storage Tank Incident Tracking database identifies the status of all Illinois Leaking UST incidents reported to the Illinois Emergency Management Agency and to the Illinois EPA. KMZ file converted for use in GIS.			11/2/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	HazardousSitesILIN_EPA_111012 (entire dataset)	http://www.epa.gov/enviro/index.html	CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System - Superfund is a program administered by the EPA to locate, investigate, and clean up the worst hazardous waste sites throughout the United States.			8/1/11
	LUST_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Land Quality	all leaking underground storage tank locations in Indiana		4/16/10	5/25/11
	NPDES_Pipe_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Water Quality	National Pollutant Discharge Elimination System locations of pipes carrying storm water, Industrial wastewater		12/12/02	5/25/11
	NPDESFacility_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Water Quality	National Pollutant Discharge Elimination System (NPDES) Program Facilities in Indiana		12/12/02	5/25/11
	Open_Dumps_IDEM_IN_2011052	Indiana Department of Environmental Management, Office of Land Quality	open dump site locations in Indiana		4/16/10	5/25/11
	Sediment_Inv_EPA_IN_2011052	Bernardin, Lochmueller and Associates, U. S. Environmental Protection Agency	point shapefile from the National Sediment Inventory developed by the USEPA BASINS 3.0 program		1/1/04	5/25/11
	Superfund_IDEM_IN_201105255	Indiana Department of Environmental Management, Office of Land Quality	GPS-located Superfund Program facility locations in Indiana		4/16/10	5/25/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	UST_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Land Quality	regulated underground storage tank locations in Indiana		4/16/10	5/25/11
	Waste_Indust_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Land Quality	industrial waste site locations in Indiana		4/16/10	5/25/11
	Waste_Tire_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Land Quality	waste tire site locations in Indiana		4/16/10	5/25/11
	WasteOldLandfill_IDEM_20110525	Indiana Department of Environmental Management, Office of Land Quality	post-closure landfills in Indiana		4/16/10	5/25/11
	WasteRestrict_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Land Quality	restricted waste site locations in Indiana,		4/16/10	5/25/11
	WasteSeptage_IDEM_20110525	Indiana Department of Environmental Management, Office of Land Quality	septage waste site locations in Indiana, provided by personnel of Indiana Department of Environmental Management, Office of Land Quality (IDEM, OLQ) as of July 11, 2003 and was subsequently updated on June 3, 2004, January 4, 2005, April 25, 2005, July 27, 2006, January 24, 2007, June 4, 2009, October 20, 2009, and April 16, 2010.		4/16/10	5/25/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	WasteSlidActPermt_IDEM_20110525	Indiana Department of Environmental Management, Office of Land Quality	active permitted solid waste site locations in Indiana, provided by personnel of Indiana Department of Environmental Management, Office of Land Quality (IDEM, OLQ) as of August 16, 2002 and subsequently updated on January 14, 2003, July 11, 2003, June 3, 2004, January 4, 2005, April 25, 2005, January 24, 2007 June 4, 2009, October 20, 2009, and April 16, 2010.		4/16/10	5/25/11
	WasteTrfSta_IDEM_IN_20110525	Indiana Department of Environmental Management, Office of Land Quality	treatment, storage, and disposal (TSD) site locations in Indiana		4/16/10	5/25/11
	USTSites_ILFireMarshall_IL_20120131	Illinois State Fire Marshall website http://webapps.sfm.illinois.gov/ustsearch/Search.aspx	Underground storage tank locations in Illinois.			1/31/12
	CCDSites_ILEPA_IL_20120131	Illinois EPA http://epadata.epa.state.il.us/land/ccdd/	Construction and Demolition Waste Facilities in Illinois			1/31/12
	Landfills_Active_ILEPA_20120131	Illinois EPA http://www.epa.state.il.us/land/landfill-capacity/2010/index.html	Active/open landfills in Illinois			1/31/12

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	SRPSites_ILEPA_20120131	Illinois EPA http://www.epa.state.il.us/land/gis/	Site Remediation Program (SRP) - Identifies the location of all voluntary remediation projects administered through the Pre-Notice Site Cleanup Program (1989 to 1995) and the Site Remediation Program (1996 to the present). KMZ file converted for use in ArcGIS.			1/31/12
	Superfund_Non-NPL_20120201	http://explore.data.gov/d/2ut8-xfg6	Site Comprehensive Listing CERCLIS Superfund Non-National Priority List (NPL) Sites			1/31/12
	LUSTSites_ILEPA_IL_20120201	http://www.epa.state.il.us/land/gis/	Leaking underground storage tank locations in Illinois			1/31/12
Hydrology						
FEMA does not have digital files for Will County as of 6-5-2012	FEMA Flood Data Grundy County	FEMA	Floodplains per FEMA		8/2/2011	6/8/2012 (Merged with Grundy County and Will county data)
	FEMA Flood Data Lake County	FEMA	Floodplains per FEMA		1/18/2012	6/7/12
	FEMA Flood Data Kankakee County	FEMA	Floodplains per FEMA		8/2/2011	6/8/2012 (Merged with Grundy County and Will county data)
	Wetlands_NWI_IL_20120401	USFWS \National Wetland Inventory	Wetlands shapefile for Illinois		4/1/2012 (posted to NWI website)	4/2/2012

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Wetlands_NWI_IN_20120401	USFWS National Wetland Inventory	Wetlands shapefile for Indiana		4/1/2012 (posted to NWI website)	4/2/2012
	CONUS_Public_Historic_Map_Info	USFWS	This data set represents the extent and approximate location of historic map reports in the conterminous United States generated by the U.S. Fish and Wildlife Service, cooperators, and contractors.		10/1/2010	9/20/11
	CONUS_Public_Metadata	USFWS	This data set represents the extent, status, and approximate location of current and historic NWI wetland mapping projects.		10/1/10	9/20/11
	CONUS_Public_Metadata_IL	USFWS	Subset of CONUS Public Metadata		10/1/10	9/20/11
	CONUS_Public_Metadata_IN	USFWS	Subset of CONUS Public Metadata		10/1/10	9/20/11
	Flood_FEMA_IL_20110721	FEMA	Floodplains			7/21/11
	Floodplains_IN_20110627	Bernardin, Lochmueller and Associates	a polygon shapefile showing the GENERAL Locations of floodplains in Indiana and whether they are urban or rural. This data was digitized from a printed book graphic and is only general.		9/26/02	6/27/11
	HydroDrain_K3_20110601	Kankakee County	The visible centerline of a hydrology feature within ortho imagery taken in 2006 that is less than 10' wide.		6/28/05	6/1/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	HydroHighRes_FlowLine_NHD_USGS_IN_20110525	USGS National Hydrography Dataset	shapefile that contains streams, rivers, canals, ditches, artificial paths, coastlines, connectors and pipelines in watersheds in and around Indiana		12/18/08	5/25/11
	HydroHResBodyD_NHD_IN_20110525	USGS National Hydrography Dataset	features of lakes, ponds, reservoirs, swamps and marshes in watersheds in and around Indiana		6/30/05	5/25/11
	HydroHResBodyL_NHD_IN_20110525	USGS National Hydrography Dataset	features of rivers, inundation areas, canals, ditches, submerged streams and other linear waterbody areas in watersheds in and around Indiana		2008	5/25/11
	HydroHResPt_NHD_IN_20110525	USGS National Hydrography Dataset	point shapefile that contains locations of gaging stations, gates, lock chambers, reservoirs, springs, seeps, sinks, rises, waterfalls, and wells in watersheds in and around Indiana.		12/18/2008	5/25/11
	HydroStructure2010_K3_20110601		visible hydrology structures in ortho imagery taken in 2006		2006	6/1/11
	HydroWaterbdy_2010_K3_20110601		Visible double line hydrology and standing water bodies visible in ortho imagery taken in 2006.		2006	6/1/11
	NHD_Flowline	ESRI	National Hydrology Database flowlines for the Illiana study area			8/2/11
	NWI_IN_20110606	NIRPC	Wetland shapefile for Lake County provided by Ducks Unlimited but originated with USFWS		Jul-07	6/6/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	NWI_K3_20110525	Kankakee County GIS	Wetland shapefile for Kankakee County. Superseded by Wetlands_USFWS_IL 121312			5/25/11
	NWI_Will_20110721	Will County GIS	Wetland shapefile for Will County. Superseded by Wetlands_USFWS_IL 121313		2/22/2006	7/21/11
	Salmonid_Streams_IN_20110627					
	Streams_IL_Statewide_111104	Illinois State Geological Survey	data representing streams and shorelines in Illinois and portions of surrounding states as derived from US Geological Survey		2004	11/4/11
	Streams_IN_20110525	U.S. National Park Service	Dataset includes all Indiana river reaches on the Nationwide Rivers Inventory (NRI) listed by the U.S. National Park Service (NPS).		5/21/2007	5/25/11
	Streams_INUSGS_Statewide_111104	USGS and EPA	contains streams, rivers, canals, ditches, artificial paths, coastlines, connectors and pipelines in watersheds in and around Indiana		2008	11/4/11
	Streams_K3_20110721shp					7/21/11
	Streams_Will_20110525	National Hydrography Dataset (NHD)	identifies the stream segments or reaches that make up the nation's surface water drainage system.			5/25/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	StrmflwGaugStaUSGS_IN_20110525	Indiana Geological Survey; http://inmap.indiana.edu/dload_page/environment.html	approximate locations of 179 stream flow gauges maintained by the United States Geological Survey (USGS) in Indiana		9/1/08	5/25/11
	Swamp_Pts_USGS_IN_20110525	USGS	locations and attribute values of Swamp name points extracted from the Geographic Names Information System (GNIS) developed by the USGS.		11/1/02	5/25/11
	Water_Feature_Will_20110525	National Hydrography Dataset (NHD)				5/25/11
	Watershed_Divide_Lake_20110603					6/3/11
	Watersheds_Will_20110525					
	WBD_H12_K3_20110721	NRCS	Fifth Level - Watershed (Watersheds in the United States and the Caribbean were delineated by the U.S. Geological Survey using a national standard hierarchical system based on surface hydrologic features and are classified into four types of hydrologic units)			7/21/11
	WBD_HU10_K3_20110721	NRCS	Sixth Level - Subwatershed (Watersheds in the United States and the Caribbean were delineated by the U.S. Geological Survey using a national standard hierarchical system based on surface hydrologic features and are classified into four types of hydrologic units)			7/21/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	WBD_HU8_K3_20110721	NRCS	Forth Level - Cataloguing Unit (Watersheds in the United States and the Caribbean were delineated by the U.S. Geological Survey using a national standard hierarchical system based on surface hydrologic features and are classified into four types of hydrologic units)			7/21/11
	Wetlands_USFWS_IL_121311	U.S. Fish and Wildlife Service and (or) the National Wetlands Inventory	This data set represents the extent, status, and approximate location of current and historic NWI wetland mapping projects.			12/13/11
	Wetlands_USFWS_IN_121311	U.S. Fish and Wildlife Service and (or) the National Wetlands Inventory	This data set represents the extent, status, and approximate location of current and historic NWI wetland mapping projects.			12/13/11
	Wsheds_HUC14_USGS_IN_20110525	US Geological Survey	boundaries of subwatersheds in Indiana		11/1/02	5/25/11
	Wtrshds_HUC06_USGS_IN_20110525	US Geological Survey	boundaries of accounting units (HUA) in Indiana.		11/1/02	5/25/11
	Wtrshds_HUC08_USGS_IN_20110525	US Geological Survey	boundaries of cataloging units in Indiana		11/1/02	5/25/11
	Wtrshds_HUC11_USGS_IN_20110525	US Geological Survey	boundaries of watersheds in Southwestern Indiana		11/1/02	5/25/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
Land Use						
	Crops_USDA_IL_20120530	USDA Crop Scape Database	2011 Crop data for IL		1/31/2012	5/30/2012
	Crops_USDA_LakeCo_20120531	USDA Crop Scape Database	2011 Crop data for IN		1/31/2012	5/30/2012
	Building_2010_K3_20110601	Kankakee County GIS	Building Shapefiles		2006	6/1/2011
	Business_Parks_Will_20110525		Polygons of Business Parks in Will County	x		
	Calumet Astronomy Center	http://www.calumetastronomy.org/	Calumet Astronomy Center		12/1/2011	12/1/2011
	CemeteriesUSGS_Bla_IN_20110525	USGS	locations and attribute values of cemeteries extracted from the Geographic Names Information System (GNIS) developed by the USGS.		N/A	5/25/2011
	CEMETERY_DISTS_K3_20110601	Kankakee County GIS	Polygons of Cemetery plots in Kankakee County.			6/1/2011
	Cemetery IL	ESRI	Polygon shapes of Cemetery plots in Will and Kankakee County			7/22/2011
	ComCollegeDist_Will_20110525	Will County GIS	Community College Taxing Districts	x	2/22/2006	5/25/2011
	CommCollegeDists_K3_20110601	Kankakee County GIS	Polygons of Community College Taxing Districts			6/1/2011
	Crop_Illinois2010_IL_20110721	USDA, National Agricultural Statistics Service	Polygons of land use including crop types, forested areas, and developed areas. The purpose of the Cropland Data Layer Program is to use satellite imagery to (1) provide acreage estimates to the Agricultural Statistics Board for the state's major commodities and (2) produce digital, crop-specific, categorized geo-referenced output products.		1/10/2011	7/21/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Crop_Indiana2010_IN_20110721	USDA, National Agricultural Statistics Service	Polygons of land use including crop types, forested areas, and developed areas. The purpose of the Cropland Data Layer Program is to use satellite imagery to (1) provide acreage estimates to the Agricultural Statistics Board for the state's major commodities and (2) produce digital, crop-specific, categorized geo-referenced output products.		1/10/2011	7/21/2011
	DPRVEZ_Will_20110525 (Des Plaines River Valley Enterprise Zone)					5/25/2011
	ElemSchoolDist_Will_20110525			x		5/25/2011
	Emergency_Hazus_IN_20110525	Federal Emergency Management Agency	Locations of emergency facilities in Indiana		3/18/2002	5/25/2011
	EMS_Sta_HSIP_IDHS_IN_20110525	Indiana University, Indiana Geological Survey, Indiana Department of Homeland Security (IDHS)	locations of emergency medical service (EMS) stations		6/29/2009	5/25/2011
	ETJ_2011_K3_20110601					6/1/2011
	FarmsteadExmpt2011_K3_20110601					6/1/2011
	FederalDOD_Will_20110602	ESRI	Joliet Arsenal and Cemetery	x		6/2/2011
	Fire_Dist_Will_20110525	Will County GIS	Fire Taxing Districts Will County	x	2/22/2006	5/25/2011
	FIRE_DISTS_K3_20110601	Kankakee County GIS	Fire Taxing Districts Kankakee County			6/1/2011
	Fire_Stations_MHMP_IN_20110525	FEMA	point shapefile that shows fire station facilities in Indiana		1/6/2011	5/25/2011
	Fire_Stations_Will_20110525	Will County GIS	Fire Stations	x	2/22/2006	5/25/2011
	FireSta_HSIP_IDHS_IN_20110525	Indiana Department of Homeland Security	locations of fire stations in Indiana		6/29/2009	5/25/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	GolfCourseIL_East_IL_20110722	ESRI	Golf Courses in Illiana Study Area. No Metadata, but necessary for land use analysis.			7/22/2011
	HighShool_Dist_Wil_20110525	Will County GIS	High School Taxing Districts	x	2/22/2006	5/25/2011
	Hospitals_Clinics_ISDH_IN_20110525	Indiana State Department of Health	locations of 160 hospitals included in a "Hospital Directory" that appears on a Web page of the Indiana State Department of Health (ISDH)	x		5/25/2011
	hospitals_hazus_IN_20110525	FEMA	locations of hospitals and clinics in Indiana.		6/26/2002	5/25/2011
	IL_Police		Police Station locations identified in GIS			
	Illiana_Courthouse		Courthouse locations identified using GIS.			
	Illiana_PostOffices		Post Office locations identified in GIS.			
	IL_LandCover_IL_20110721	USGS, National Land Cover Database	Broad overview of how the land in Illinois is being utilized. Categories include: >75% cultivated 51% - 75% cultivated 25% - 50% cultivated Agri-Urban >100 homes per Sq. Mi. Commercial > 100 Homes per Sq Mi <25% Cultivated Non-Agriculture Water			7/21/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	IN_LandCover_IN_20110721	Indiana Geological Survey, USGS	LC2001USGS_IN is the Indiana subset of the National Land Cover Database (NLCD 2001). This data provides the most complete, current, and consistent public domain information for Indiana land use and land cover.		9/1/2003	7/21/2011
	Indust_Parks_INDOT_IN_20110525	Indiana Department of Transportation	point shapefile that shows industrial park locations in Indiana.		6/13/2006	5/25/2011
	K3CEMETERIES	ESRI	Cemetery Polygons in Kankakee County			
	LandUse_IN_20110627					6/27/2011
	LandUse_Will_20110525	Will County GIS	Will County Land Use	x	2/22/2006	5/25/2011
	Libraries_IL_201110726	Forest Preserve District of Will County IL	Subset of data points for libraries from the FPDWC_GIS_Public Properties shapefiles.			7/26/2011
	Libraries_ISL_IN_20110525	Indiana State Library, Indiana Geological Survey	Locations of Libraries in Indiana	x	5/6/2007	5/25/2011
	Libraries_WillCo_20110816	Forest Preserve District of Will County IL	Subset of data points for libraries from the FPDWC_GIS_Public Properties shapefiles.	x		8/16/2011
	LIBRARY_DISTS_K3_20110601	Kankakee County GIS	Library Taxing districts			6/1/2011
	LibraryDist_Will_20110525	Will County GIS	Library Taxing districts	x	2/22/2006	5/25/2011
	LTCareFac_ISDH_IN_20110525	Indiana State Department of Health (ISDH), Indiana Geological Survey	locations of residential care facilities, nursing homes, and hospices in Indiana.	x	6/28/2007	5/25/2011
	LU2010_K3_20110829		Land use in Kankakee County			8/29/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	LU_LakeSA_20110829		Land use in Lake County			8/29/2011
	LandUse_NE_IN_20110608	NIRPC, Lake, Porter, LaPorte Counties	Land use in Lake, Porter, and LaPorte Counties	x		6/8/2011
	LU_WillSA_20110829	Will County GIS	Will County Land Use	x	2/22/2006	8/29/2011
	MedCareFacs_MHMP_IN_20110525	FEMA	Medical care facilities Indiana		1/6/2011	5/25/2011
	Park_Dist_Will_20110525	Will County GIS	Park Taxing District	x	2/22/2006	5/25/2011
	PARK_DISTS_K3_20110601	Kankakee County GIS	Park Taxing District			6/1/2011
	PlacesofWorship20110803	POI_K3County & Manual entry	Places of Worship in the study area. Subset of data from the POI_K3County shapefile.			8/3/2011
	Police_Sta_MHMP_IN_20110525	FEMA	police station facilities in Indiana		1/1/2008	5/25/2011
	PostOffices_WillCo_20110816	Forest Preserve District of Will County IL	Subset of data points for post offices from the FPDWC_GIS_Public Properties shapefiles.			8/16/2011
	Proposed_Quarry_IN_20110722	Manually entered from data gathered from Public input				7/22/2011
	RecFacilities_IDNR_IN_20110525	Indiana Department of Natural Resources, Division of Outdoor Recreation	point locations of sites in Indiana that have outdoor recreation facilities		4/21/2009	5/25/2011
	Religious_USGS_Bla_IN_20110525	United States Geological Survey (USGS)	locations of religious centers and places of worship in Indiana		8/23/2007	5/25/2011
	Rezonings_2011_K3_20110601					6/1/2011
	ROAD_DISTS_K3_20110601	Kankakee County GIS	Road taxing districts			6/1/2011
	Sanitary_Dist_Will_20110525	Will County GIS	Sanitary Taxing District	x	2/22/2006	5/25/2011
	School_Dist_USCB_IN_20110525	United States Department of Commerce, United States Census Bureau, Indiana Geological Survey	school districts in Indiana.	x	12/22/2003	5/25/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	SCHOOL_DISTS_K3_20110601	Kankakee County GIS	School taxing districts			6/1/2011
	School_Facs_MHMP_IN_20110525	FEMA	school facilities in Indiana, with the exception of some universities		1/6/2011	5/25/2011
	SchoolDistrict_Will_20110525	Will County GIS	Unit school taxing district	x	2/22/2006	5/25/2011
	Schools_HAZUS_IN_20110525	Indiana Geological Survey	locations of school buildings in Indiana public and private schools and universities, the shapefile contains locations of preschools, trade schools, language schools, hair-styling schools, obedience schools, and others.		6/26/2002	5/25/2011
	Schools_K3_20110722	Kankakee County GIS	Schools in Kankakee County			5/25/2011
	Schools_Polis_IDOE_IN_20110525	Indiana Department of Education	locations for public and non-public schools in Indiana. Schools that are included are high schools, middle schools, elementary schools, primary schools, junior high schools, youth centers, and correctional facilities. Attributes include school ID, name, address, contact information, number of students, district, and other information.		12/3/2010	5/25/2011
	Schools_Will_20110525	Will County GIS	School locations in Will County	x	2/22/2006	5/25/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	SchoolsHighEd_ICHE_IN_20110525	Indiana Commission for Higher Education (ICHE)(locations of 76 colleges and universities (including 2- and 4-year public institutions and independent institutions) listed on a directory obtained from the Indiana Commission for Higher Education	x	6/4/2007	5/25/2011
	Special_Uses_2011_K3_20110601	Kankakee County GIS				6/1/2011
	SpecialServiceDist_K3_20110601	Kankakee County GIS				6/1/2011
	SSA_FullBld_2011_WILL_20110719	South Suburban Airport Study (http://www.southsuburbanairport.com/MasterPlan/reports/Alternatives_Draft.pdf)	South Suburban Airport Ultimate boundaries			7/19/2011
	SSA_Inag_Bdy_WILL_20110719	South Suburban Airport Study (http://www.southsuburbanairport.com/MasterPlan/reports/Alternatives_Draft.pdf)	South Suburban Airport Inagural boundaries			7/19/2011
	St_Light_Dist_Will_20110525	Will County GIS	Street lighting taxing districts	x	2/22/2006	5/25/2011
	Tax_TIF_Dist_Will_20110525	Kankakee County GIS	TIF Districts Kankakee County			5/25/2011
	TrailerPk_Dist_Will_20110525	Will County GIS		x	2/22/2006	5/25/2011
	WillCo_Libraries	Manually created	Libraries in Will County			8/2/2011
	Zoning_2011_K3_20110601	Kankakee County GIS	Zoning for Kankakee County		2011	6/1/2011
	Zoning_Will_20110525		Zoning for Will County	x		5/25/2011
	Zoning_WillCo_20120411	Will County GIS	Zoning for Will County	x		4/11/2012
	Zoning_LakeCo_20120411	Lake County GIS	Zoning for Lake County IN	x		4/11/2012

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
Natural Areas						
	IDNR_site_bounds_all_6_12	Illinois DNR	Illinois DNR Sites		2012	6/5/2012
	NatureAreas_ILDNR_INAI_SA_20120418	Illinois Department of Natural Resources, Illinois Natural Area Inventory	Natural Areas in the Illiana study area	x		4/18/2012
	NaturePreserve_ILDNR_INPC_SA_20120418	Illinois Department of Natural Resources, Illinois Nature Preserves Commission	Nature Preserves in Illiana study area	x		4/18/2012
	FPDWC_NatPrv_LWR_Will_20110525	Will County GIS	Forest Preserve District of Will County Nature Preserves			5/25/2011
	Forest_IllianaStudyArea_120511	Huff & Huff	Forested areas of >20 acres.	x		12/5/2011
	ForestPreserveDist_K3_20110601	Kankakee County GIS	Forest Preserve District of Kankakee County			6/1/2011
	FPDWC_Parcels_Will_20110525	Forest Preserve District Will County	Land parcels owned by FPDWC including leased, easements, managed, and pending.			5/25/2011
	FPDWC_PblcPrprts_Will_20110525	Forest Preserve District Will County	Public Properties in Will County including cemeteries, colleges, federal lands, libraries, municipal, nonprofit, Park District, Schools, State Land, Township Land			5/25/2011
	FPDWC_PropAcq_Will_20110525	Forest Preserve District Will County	Property acquisitions by the FPDWC			5/25/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	NatureAreasPreserves_ILDNR_IL_SA_20120419	Illinois Department of Natural Resources, Illinois Natural Area Inventory, Illinois Nature Preserves Commission	Natural Areas and Nature Preserves can overlap each other. This shapefile combines the two files (NatureAreas_ILDNR_INAI_SA_20120418, NaturePreserve_ILDNR_INPC_SA_20120418) and in the case of overlaps the shape with the larger area was kept in the shapefile with the smaller one removed.	x		4/19/2012
	HghQualNatCom_IDNR_20110525					5/25/2011
	Managed_Lands_IN_20110627	Indiana Natural Heritage Data Center, Indiana Department of Natural Resources,	lands owned or managed by the Indiana Department of Natural Resources		9/20/2010	6/27/2011
	MidewinNT_WILL_20110719	U.S. National Atlas	U.S. National Atlas Federal and Indian Land Areas represents the federal- and Indian-owned land areas (for example, Bureau of Indian Affairs, Department of Defense, and Tennessee Valley Authority) of the United States.		10/1/2006	7/19/2011
	NaturalAreas_IL_201010	Illinois Department of Natural Resources	Natural areas in study area in Illinois	x		10/1/2010
	NaturalAreas_IL_Revised_111411	Illinois Department of Natural Resources	Revised data because of revised boundary lines, data overlap from other shapefiles or other data changes from original data.	x		11/14/2011
	NaturePres_WillCo_110818	FPDWC	Nature preserves in Will Co filtered from FPDWC_NatPrv_LWR shapefile			8/18/2011

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	NaturePres_WillCo_Revised_111411	FPDWC	Revised data because of revised boundary lines, overlapping data from other shapefiles or other data changes from original data.			11/14/2011
	NaturePreserves_IL_201010	Illinois Department of Natural Resources	Nature Preserves in study area in Illinois.	x		10/1/2010
	PARKS_K3_20110601		All parks in Kankakee County regardless of ownership (ie county, state, city)			6/1/2010
	Parks_LakeCo		Parks in Lake County IN			
	Parks_Will_Lake_Cook_Kankakee_ESRI	ESRI	Park locations gathered from ESRI for comparison purposes (ie compare boundaries and other attributes).			
	Parks_WillCo		All parks in Will County regardless of ownership (ie county, state, city)			
	StateParks_IL_Revised	Illinois Department of Natural Resources	Revised data because of revised boundary lines, data overlap from other shapefiles or other data changes from original data.	x		11/14/2011
Parcels						
	AddressPts_WillCo_20120131	Will County	Address points for Parcels in Will County	x		1/31/2012
	AddressPcls_LakeCo_20120210	Lake County	Address parcels for Lake County IN	x		2/10/2012
	Parcel_Point_Lake_20110603		Land parcel points including PIN numbers in Lake County			06/03/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Parcel_Poly_Lake_20110603		Land parcel polygons including PIN numbers in Lake County			06/03/11
	ParcelOwnerships_Lake_20110603		Land parcel polygons with parcel data and PIN numbers in Lake County			06/03/11
	Parcels_K3_20110601	Kankakee County GIS	Countywide parcel mapping of Kankakee County			06/01/11
	Parcels_WillCo_20110525		Polygon shapfile of land parcels in Will County including PIN number		7/1/2010	05/25/11
Socio-economic/4(f)						
	Census_Grid_REG_20110721		Census Grid for the study area.			7/21/11
	CensusBlkgpTIGER00_IN_20110525	U.S. Department of Commerce, U.S. Census Bureau	locations for all Indiana blockgroups identified by the US Bureau of the Census.		10/1/2002	5/25/11
	CensusBlkgrps_2010_K3_20110601		Census Data			6/1/11
	CensusBlks_TIGER00_IN_20110525	U.S. Department of Commerce, U.S. Census Bureau	GIS data layer of Census Blocks for Indiana in 2000.	x	6/23/2004	5/25/11
	CensusTractTIGER00_IN_20110525	U.S. Department of Commerce, U.S. Census Bureau	locations for all Indiana tracts identified by the US Bureau of the Census.		10/1/2002	5/25/11
	Child_Poverty_USCB_IN_20110525	United States Department of Commerce, United States Census Bureau	GIS data layer showing percentages of children from families in poverty as of 2004, by school district.	x	4/26/2007	5/25/11
	Illiana_2010PopEmp_Estimates		Population and Employment estimates	x	2010	
	Lakebg2010_LAKE_20110719	U.S. Census Bureau	Census Data		2010	7/19/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Lakeblk2010_LAKE_20110719	U.S. Census Bureau	Census Data		2010	7/19/11
	TAZ_Regional_IN_20110627	NIRPC	Travel Analysis Zones Lake County			6/27/11
	Willbg2010_WILL_20110719	U.S. Census Bureau	Census Block Groups		2000	7/19/11
	Willblk2010_WILL_20110719	U.S. Census Bureau	Census Data		2000	7/19/11
Topology						
	BOONE_Cntrs_1990_LAKE_20110602		Contours		1990	6/2/11
	BourbonCntr2006FnI_K3_20110602		Contours		2006	6/2/11
	CedarCrkCntr1990_LAKE_20110602		Contours		1990	6/2/11
	CENTERCntrs_1990_LAKE_20110602		Contours		1990	6/2/11
	Channahon_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	Cntr24k_USGS_CHI_LAKE_20110525		Contours			5/25/11
	Cntr_24k_USGS_K3_LAKE_20110525		Contours			5/25/11
	Crete_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	Custer_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	EagleCrkCntr1990_LAKE_20110602		Contours		1990	6/2/11
	EssexCntr_2006_Fin_K3_20110602		Contours		2006	6/2/11
	Florence_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	Frankfort_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	GaneerCntrs2006Fin_K3_20110602		Contours		2006	6/2/11
	GreenGar_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	HANOVERCntr_1990_LAKE_20110602		Contours		1990	6/2/11
	Jackson_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	Joliet_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	KEENERCntrs_1990_LAKE_20110602		Contours		1990	6/2/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	LimestnCtr2006FnI_K3_20110602		Contours		2006	6/2/11
	Manhattan_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	MantenoCtr2006Fin_K3_20110602		Contours		2006	6/2/11
	MomenceCtr2006Fin_K3_20110602		Contours		2006	6/2/11
	Monee_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	New_Lenox_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	Peotone_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	PORTERCntrs_1990_LAKE_20110602		Contours		1990	6/2/11
	RckvllCtr2006FnI_K3_20110602I		Contours		2006	6/2/11
	Reed_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	ROSS_Cntrs_1990_LAKE_20110602		Contours		1990	6/2/11
	SalinaCntrs2006Fin_K3_20110602		Contours		2006	6/2/11
	ST_JOHNCtr_1990_LAKE_20110602		Contours		1990	6/2/11
	SumnerCntrs2006Fin_K3_20110602		Contours		2006	6/2/11
	Troy_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	UNION_Cntrs_1990_LAKE_20110602		Contours		1990	6/2/11
	W_CreekCtr_1990_LAKE_20110602		Contours		1990	6/2/11
	Washington_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	Wesley_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	Will_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	Wilmington_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	Wilton_2007_Will_20110721	AeroMetric	Contours	x	2007	7/21/11
	WINFIELDCtr1990_LAKE_20110602		Contours		1990	6/2/11
	YellowCtr2006_Fin_K3_20110602		Contours		2006	6/2/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
Utilities						
	Crete Power Plant	Manually entered	Crete Power Plant		09/15/11	09/15/11
	BraidwoodNuclear_IL_20110722	Manually Entered	Braidwood Nuclear Power Plant			07/22/11
	PowerLines_IL_20110722	Manually entered	Power - Transmission		09/15/11	09/15/11
	MfgGasPlants_IDEM_IN_20110525	Indiana Department of Environmental Management	Manufactured Gas Plants		04/16/10	05/25/11
	npms_Kankakee_Idot_20110721	National Pipeline Mapping System	Pipelines in Kankakee County			07/21/11
	Observ_Wells_USGS_IN_20110525	Indiana University, Indiana Geological Survey	Observation Wells		06/30/05	05/25/11
	pipelines_igs_IN_20110525	Indiana Geological Survey	location and extent of known natural gas, crude oil, and refined products pipelines in Indiana.	x	07/18/02	05/25/11
	Pipelines_IL_20110722		Pipelines	x		07/22/11
	Pipelines_WillCo_20111511	Will County	Pipelines	x		05/11/11
	power_hazus_IN_20110525	Federal Emergency Management Agency Database	Electric Power Facilities in Indiana		06/14/05	05/25/11
	TowersCell_FCC_ULS_IN_20110525	FCC	ocations of licensed cellular towers as part of the FCC ULS database of cellular towers in Indiana.		11/15/06	05/25/11
	WaterWells_IDNR_IN_20110525	Indiana Department of Natural Resources, Division of Water	This file is a digital geospatial point feature class of both located water well records (which include UTM coordinates) and unlocated water well records (without UTM coordinates as of 200911).		02/17/10	05/25/11

<i>Data Category</i>	<i>Data Layer</i>	<i>Source/Contact (per Metadata unless otherwise noted)</i>	<i>Description</i>	<i>Distribution Restricted</i>	<i>Date (Pub.)</i>	<i>Date Added to Illiana GDB</i>
	Waterwells_iLITH_IN_20110525	Indiana University, Indiana Geological Survey	The iLITH shapefile was developed as a tool for display of the iLITH version of the IDNR water-well record database in a GIS environment.		04/14/98	05/25/11
	Wells_IL_20110722	Illinois State Geological Survey	GIS-based portrayal of the distribution and type of wells and borings in Illinois	x	N/A	07/22/11
	Wells_Lake_20110722	Indiana Department of Natural Resources, Division of Water	Subset of statewide WaterWells_IDNR_IN_20110525		02/17/10	07/22/11
	Wells_Lowell_IN_20110722	Manually entered	City of Lowell Water Wells		07/22/11	07/22/11