Washington County Elevation/Planimetric Data Model

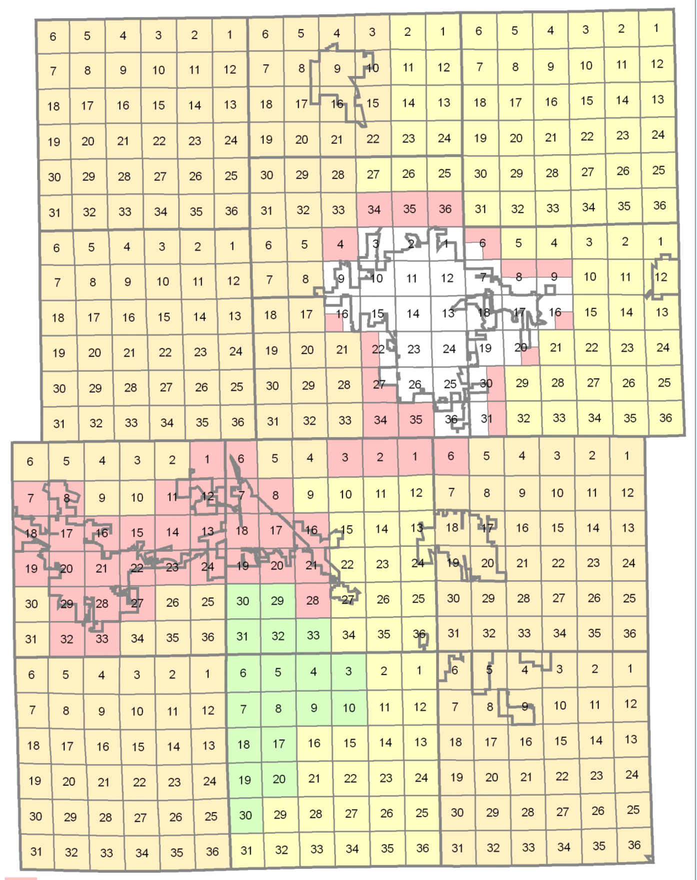
WASHINGTON COUNTY WISCONSIN

Revision Date: October 15, 2010

- Point Feature Class
- Line Feature Class
- Area Feature Class
- Annotation Feature Class
- Relationship Feature Class

Elevation Features

Most Current Available Elevation Data



- 2007 LiDAR Project - 1"=100' Scale
- 2007 LiDAR Project - 1"=200' Scale
- 2005 Project - 1"=200' Scale
- 2003 Oconomowoc River Project - 1"=200' Scale
- Available from the City of West Bend

N 0 1 2 Miles

Notes:
Sections 3-5, 8-10, 15-17, and 20-22 in T12N R19E were included in a 1994 Village of Kewaskum project and superseded by the 2007 LiDAR Project – 1"=200' Scale.

Sections 1-36 in T9N R18E were included in a 1995 Town of Erin project and superseded by the 2007 LiDAR Project – 1" = 200' Scale.

Sections 1, 12, 13, 24 in T10N R18E and Sections 6-8, 16-21, and 28 in T10N R19E were included in the 1997 Village of Slinger Project and superseded by the 2007 LiDAR project – 1"=100' Scale.

Washington County Topographic Mapping Summary

T9N R18E – Town of Erin

Sections	Project
1-36	2007 LiDAR Project – 1"=200' Scale

T9N R19E – Town of Richfield

Sections	Project
1-2, 11-16, 21-29, 31-36	2005 Project – 1"=200' Scale
3-10, 17-20, 30	2003 Oconomowoc River Project – 1"=200' Scale

T9N R20E – Town of Germantown, Village of Germantown

Sections	Project
1-36	2007 LiDAR Project – 1"=200' Scale

T10N R18E – Town of Hartford, City of Hartford, Village of Slinger (part)

Sections	Project
1, 7, 8, 11-24, 27-29, 32, 33	2007 LiDAR Project – 1"=100' Scale
2-6, 9, 10, 25, 26, 30, 31, 34-36	2007 LiDAR Project – 1"=200' Scale

T10N R19E – Town of Polk, Village of Slinger (part), Village of Jackson (part)

Sections	Project
1-3, 6-8, 16-21, 28	2007 LiDAR Project – 1"=100' Scale
4, 5	2007 LiDAR Project – 1"=200' Scale
9-15, 22-27, 34-36	2005 Project – 1"=200' Scale
29-33	2003 Oconomowoc River Project – 1"=200' Scale

T10N R20E – Town of Jackson, Village of Jackson (part)

Sections	Project
1-5, 7-36	2007 LiDAR Project – 1"=200' Scale
6	2007 LiDAR Project – 1"=100' Scale

T11N R18E – Town of Addison

Sections	Project
1-36	2007 LiDAR Project – 1"=200' Scale

T11N R19E – Town of Barton (part), Town of West Bend, City of West Bend (part)

Sections	Project
1-3, 9-15, 16 (NE, NW, SE), 22 (E ½), 23-26, 27 (NE), 36	Available from the City of West Bend
4, 16 (SW), 22 (W ½), 27 (NW, SW, SE), 34, 35	2007 LiDAR Project – 1"=100' Scale
5-8, 17-21, 28-33	2007 LiDAR Project – 1"=200'

T11N R20E – Town of Trenton, Village of Newburg, City of West Bend (part)

Sections	Project
1-5, 10-15, 21-29, 32-36	2005 Project – 1"=200' Scale
6 (NE, NW, SE), 8 (N ½), 9 (N ½), 16 (SE), 20 (SE), 30 (E ½), 31 (E ½)	2007 LiDAR Project – 1"=100' Scale
6 (SW), 7, 8 (S ½), 9 (S ½), 16 (NE, NW, SW), 17-19, 20 (NE, NW, SW), 30 (W ½), 31 (W ½)	Available from the City of West Bend

T12N R18E – Town of Wayne

Sections	Project
1-36	2007 LiDAR Project – 1"=200' Scale

T12N R19E – Town of Kewaskum, Town of Barton (part), Village of Kewaskum

Sections	Project
1, 2, 11-14, 23-27	2005 Project – 1"=200' Scale
3-10, 15-22, 28-33	2007 LiDAR Project – 1"=200' Scale
34-36	2007 LiDAR Project – 1"=100' Scale

T12N R20E – Town of Farmington

Sections	Project
1-36	2005 Project – 1"=200' Scale

Simple feature class WashCoGIS.GIS.Project_Areas

Geometry: Polygon; Contains M values: No; Contains Z values: No

Geographic extent of each project acquiring Topographic Information

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
NAME	String	Yes					50	Name of project
PHOTOGRAPHY_YEAR	String	Yes					4	Year project was conducted
MAPPING_SCALE	String	Yes					15	Scale paper maps were prepared
SHAPE	Geometry	Yes						
SHAPE.area	Double	No			0	0		ArcGIS System Field
SHAPE.len	Double	No			0	0		ArcGIS System Field

Annotation feature class WashCoGIS.GIS.ELV_anno

Geometry: ; Contains M values: No; Contains Z values: No

Cartographic Annotation for Elevation Features

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
FEATUREID	Long integer	Yes			10			
ZORDER	Long integer	Yes			10			
ANNOTATIONCLASSID	Long integer	Yes			10			
ELEMENT	Blob	Yes			0	0	0	
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
ANNOSIZE	Double	Yes			38	8		Legacy attribute from data import
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_FONT	Long integer	Yes			10			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			38	8		Legacy attribute from data import
ELEV_	Long integer	Yes			10			Legacy attribute from data import
ELEV_ID	Long integer	Yes			10			Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
CAD_STYLE	String	Yes					255	Legacy attribute from data import
CAD_HEIGHT	Double	Yes			38	8		Legacy attribute from data import
CAD_ANGLE	Double	Yes			38	8		Legacy attribute from data import
TEXT_STRING	String	Yes					255	Legacy attribute from data import
SYMBOLID	Long integer	Yes			10			ArcGIS System Field
STATUS	Short integer	Yes	0	AnnotationStatus	5			ArcGIS System Field
TEXTSTRING	String	Yes					255	ArcGIS System Field
FONTNAME	String	Yes					255	ArcGIS System Field
FONTSIZE	Double	Yes			38	8		ArcGIS System Field
BOLD	Short integer	Yes		BooleanSymbolValue	5			ArcGIS System Field
ITALIC	Short integer	Yes		BooleanSymbolValue	5			ArcGIS System Field
UNDERLINE	Short integer	Yes		BooleanSymbolValue	5			ArcGIS System Field
VERTICALALIGNMENT	Short integer	Yes		VerticalAlignment	5			ArcGIS System Field
HORIZONTALALIGNMENT	Short integer	Yes		HorizontalAlignment	5			ArcGIS System Field
XOFFSET	Double	Yes			38	8		ArcGIS System Field
YOFFSET	Double	Yes			38	8		ArcGIS System Field
ANGLE	Double	Yes			38	8		ArcGIS System Field
FONTLEADING	Double	Yes			38	8		ArcGIS System Field
WORDSPACING	Double	Yes			38	8		ArcGIS System Field
CHARACTERWIDTH	Double	Yes			38	8		ArcGIS System Field
CHARACTERSPACING	Double	Yes			38	8		ArcGIS System Field
FLIPANGLE	Double	Yes			38	8		ArcGIS System Field
OVERRIDE	Long integer	Yes			10			ArcGIS System Field
ENTITY	String	Yes					16	ArcGIS System Field
LAYER	String	Yes					255	Legacy attribute from data import
PROJECT	String	Yes					20	Project information was captured
SHAPE	Geometry	Yes						
SHAPE.area	Double	No			0	0		ArcGIS System Field
SHAPE.len	Double	No			0	0		ArcGIS System Field

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)	Description
CONTOUR.INDEX.APPROX.TXT		X	X	X	X		Approximated 10' Contour Label (ground obscured)
CONTOUR.INDEX.TXT		X	X	X	X	X	10' Contour Label
DEPRESSION.INDEX.APPROX.TXT		X	X	X	X		Approximated 10' Depression Label (ground obscured)
DEPRESSION.INDEX.TXT		X	X	X	X	X	10' Depression Label
MISCELLANEOUS.TXT				X			Miscellaneous Elevation Text
SECTION.CORNER.ELEVATION.TXT		X	X	X			Section Corner Elevation Label
SPOT.ELEVATION.TXT		X	X	X	X	X	Spot Elevation Point Label
SPOT.ELEVATION.WATER.TXT		X	X	X	X	X	Surface Water Elevation Label

Simple feature class WashCoGIS.GIS.ELV_arc

Geometry: Polyline; Contains M values: No; Contains Z values: No

Contour and Depression Lines

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
FNODE_	Long integer	Yes			10			Legacy attribute from data import
TNODE_	Long integer	Yes			10			Legacy attribute from data import
LPOLY_	Long integer	Yes			10			Legacy attribute from data import
RPOLY_	Long integer	Yes			10			Legacy attribute from data import
LENGTH	Double	Yes			38	8		Legacy attribute from data import
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			38	8		Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
CAD_LINETYPE	String	Yes					255	Legacy attribute from data import
ELEVATION_TAG	String	Yes					32	Elevation of Contour (Not populated for all projects)
PROJECT	String	Yes					20	Project Information was captured
SHAPE	Geometry	Yes						
SHAPE.len	Double	No			0	0		ArcGIS System Field

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)	Description
CONTOUR.INDEX		X	X	X	X	X	10' Contour Line
CONTOUR.INDEX.APPROX		X	X	X	X		Approximated 10' Contour Line (ground obscured)
CONTOUR.INTERMEDIATE		X	X	X	X	X	2' Contour Line
CONTOUR.INTERMEDIATE.APPROX		X	X	X	X		Approximated 2' Contour Line (ground obscured)
DEPRESSION.INDEX		X	X	X	X	X	10' Depression Line
DEPRESSION.INDEX.APPROX		X	X	X	X		Approximated 10' Depression Line (ground obscured)
DEPRESSION.INTERMEDIATE		X	X	X	X	X	2' Depression Line
DEPRESSION.INTERMEDIATE.APPROX		X	X	X	X		Approximated 2' Depression Line (ground obscured)
ELEVATIONLINE.INDEX.TEXTCLIP					X	X	10' Contour Line Clipped for Cartographic Text Placement
ELEVATIONLINE.INTERMEDIATE.TEXTCLIP					X	X	2' Contour Lines Clipped for Cartographic Text Placement
MISCELLANEOUS		X		X			Miscellaneous Elevation Line
SPOT.ELEVATION		X	X	X			Spot Elevation Line

Simple feature class WashCoGIS.GIS.ELV_point

Geometry: Point; Contains M values: No; Contains Z values: No

Elevation Points

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
ELV_point.AREA	Double	Yes			38	8		Legacy attribute from data import
PERIMETER	Double	Yes			38	8		Legacy attribute from data import
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			38	8		Elevation of Point (Not populated for all projects)
POLYGONID	Long integer	Yes			10			Legacy attribute from data import
SCALE	Double	Yes			38	8		Legacy attribute from data import
ANGLE	Long integer	Yes			10			Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
PROJECT	String	Yes					20	Project Information was captured
SHAPE	Geometry	Yes						

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)	Description
SPOT.ELEVATION		X	X	X	X	X	Spot Elevation Point

Domains

Coded value domain AnnotationStatus

Description: Valid annotation state; Field type: values.; Split policy: Short integer; Merge policy: Duplicate

Code	Description
0	Placed
1	Unplaced

Coded value domain BooleanSymbolValue

Description: Valid values are Yes; Field type: and No.; Split policy: Short integer; Merge policy: Duplicate

Code	Description
1	Yes
0	No

Coded value domain HorizontalAlignment

Description: Valid horizontal; Field type: symbol alignment; Split policy: values.; Merge policy: Short integer

Code	Description
0	Left
1	Center
2	Right
3	Full

Coded value domain VerticalAlignment

Description: Valid symbol vertical; Field type: alignment values.; Split policy: Short integer; Merge policy: Duplicate

Code	Description
0	Top
1	Center
2	Baseline
3	Bottom

Brief Project Descriptions

1994 Village of Kewaskum Project – A joint effort between the Village of Kewaskum and Washington County, this project acquired 1"=200' scale topographic and planimetric mapping for twelve sections around and including the Village of Kewaskum. The digital deliverable was 2-dimensional. The contours do not have their elevation as an attribute. No Digital Terrain Model (DTM) was part of the project deliverables. These 12 sections were remapped in the 2007 LiDAR Project. Although the elevation data has been remapped for this area, the planimetric data from this project remains the most current available.

1995 Town of Erin Project – A joint effort between the Town of Erin and Washington County, this project acquired 1"=200' scale topographic and planimetric mapping for all 36 sections in the Town of Erin (T9N R18E). This is the first project where a 3-dimensional Digital Terrain Model (DTM) was included as a deliverable. The files containing the contours and planimetric data were again delivered as 2-dimensional files. The usefulness of the contours are further limited because they are clipped to allow for cartographic text placement and do not include their elevation as an attribute. These 36 sections were remapped in the 2007 LiDAR Project. Although the elevation data has been remapped for this area, the planimetric data from this project remains the most current available.

1997 Village of Slinger Project – A joint effort between the Village of Slinger and Washington County, this project acquired 1"=100' scale topographic and planimetric mapping for 14 sections around and including the Village of Slinger. With the exception of map scale, this project is very similar to the 1995 Town of Erin Project. The project deliverables included a 3-dimensional Digital Terrain Model (DTM) and 2-dimensional contour/planimetric files. The contours were clipped to allow for cartographic text placement and do not include their elevation as an attribute. These 14 sections were remapped in the 2007 LiDAR Project Although the elevation data was remapped for these sections, the planimetric data from this project remains the most current available.

2003 Oconomowoc River Project – A joint project between The Town of Polk, Village of Richfield, the Southeastern Wisconsin Regional Planning Commission (SEWRPC), and Washington County, this project acquired 1"=200' scale mapping for 5 sections in T10N R19E (Town of Polk) and 13 sections in T9N R19E (Village of Richfield). This project was completed to provide base data required to remap the floodplains in the Oconomowoc River sub-watershed. Project deliverables included a 3-dimensional Digital Terrain Model (DTM) and for the first time 3-dimensional contour/planimetric files. The elevation and planimetric data remain the most current available for the 18 sections included in this project.

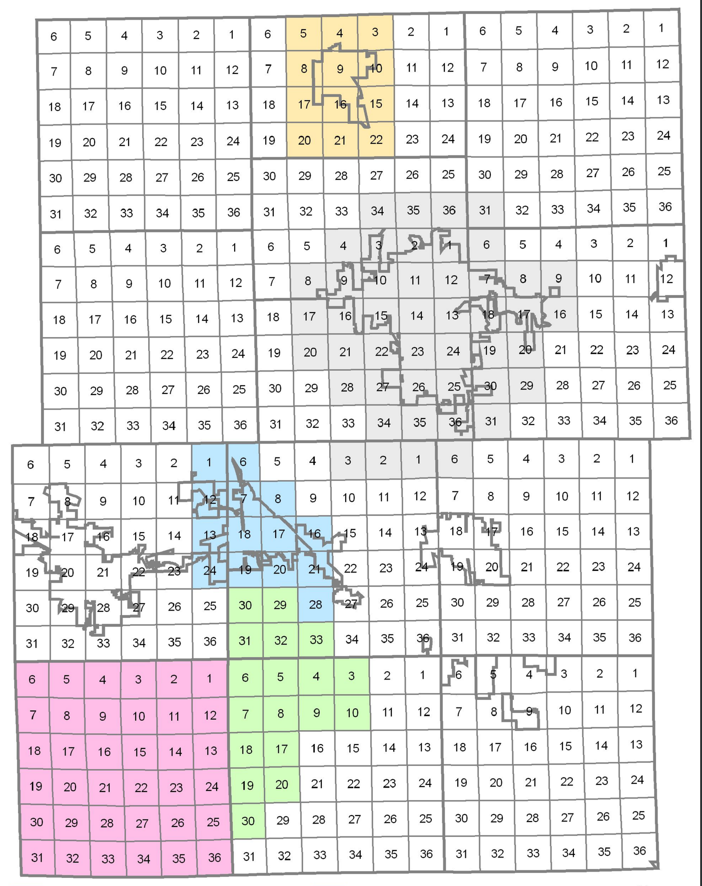
2005 Project – Completed by Washington County, this project acquired 1"=200' scale topographic mapping for 111 sections. Areas included were 23 sections in T9N R19E (Village of Richfield), 16 sections in T10N R19E (Town of Polk), 25 sections in T11N R20E (Town of Trenton), 11 sections in T12N R19 (Towns of Kewaskum/Barton), and all 36 sections in T12N R20E (Town of Farmington). Project deliverables included a 3-dimensional Digital Terrain Model (DTM) and 3-dimensional contour files. Additionally, the contours include their elevation as an attribute and the contours clipped for cartographic text placement were retained in the digital files. For the first time, planimetric data was not included in this project. A shift in priorities expanded the extent of elevation mapping included at the expense of planimetric mapping.

2007 LiDAR Project – Completed by Washington County, the original project acquired 1"=200' scale topographic mapping for 196 sections and 1"=100' scale topographic mapping for 22 sections. Areas included are 36 sections in T9N R20E (Town and Village of Germantown), 36 sections in T10N R18E (Town and City of Hartford), 2 sections in T10N R19E (Town of Polk), 35 sections in T10N R20E (Town and Village of Jackson), 36 sections in T11N R18E (Town of Addison), 15 sections in T11N R19E (Towns of Barton/West Bend), 36 sections in T12N R18E (Town of Wayne), and 22 sections in T12N R19E (Towns of Kewaskum/Barton). Unlike all previous projects that used photogrammetric methods to acquire topographic data, the 2007 project used LiDAR (Light Detecting and Ranging) technology. Deliverables include bare-earth LiDAR data, a 3-dimensional Digital Terrain Model (DTM) and 3-dimensional contour files. In 2010, additional areas were processed to the same specification as the original project. The additional areas processed included all 36 sections in T9N R18E (Town of Erin), 13 sections in T10N R19E (Town of Polk and Village of Slinger), 1 section in T10N R20E (Town of Jackson), 4.5 sections in T11N R19E (Towns of Barton and West Bend), 3.25 sections in T11N R20E (Town of Trenton), and 3 sections in T12N R19E (Town of Barton). Although only the data for the previously described sections were processed, the LiDAR flight covered the entire County. The additional unprocessed areas could be processed should funding become available and a need arise.

City of West Bend Projects – The City of West Bend completed a significant topographic and planimetric project in 1999. Much of this area was remapped in 2005. To acquire complete topographic coverage of the County, data from the City of West Bend is required. Contact the City's Community Development Department for additional information.

Planimetric and Other Features

Most Current Planimetric Data



- 2003 Oconomowoc River Project - 1"=200' Scale
- 1997 Village of Slinger Project 1"=100' Scale
- 1995 Town of Erin Project - 1"=200' Scale
- 1994 Village of Kewaskum Project - 1"=200' Scale
- Available from the City of West Bend

N 0 1 2 Miles

Washington County Planimetric Mapping Summary

T9N R18E – Town of Erin

Sections	Project
1-36	1995 Town of Erin Project – 1"=200' Scale

T9N R19E – Village of Richfield

Sections	Project
1-2, 11-16, 21-29, 31-36	None Available
3-10, 17-20, 30	2003 Oconomowoc River Project – 1"=200' Scale

T9N R20E – Town of Germantown, Village of Germantown

Sections	Project
1-36	None Available

T10N R18E – Town of Hartford, City of Hartford, Village of Slinger (part)

Sections	Project
1, 12, 13, 24	1997 Village of Slinger Project – 1"=100' Scale
2-11, 14-23, 25-36	None Available

T10N R19E – Town of Polk, Village of Slinger (part), Village of Jackson (part)

Sections	Project
1-3	Available from the City of West Bend
4, 5, 9-15, 22-27, 34-36	None Available
6-8, 16-21, 28	1997 Village of Slinger Project – 1"=100' Scale
29-33	2003 Oconomowoc River Project – 1"=200' Scale

T10N R20E – Town of Jackson, Village of Jackson (part)

Sections	Project
1-5, 7-36	None Available
6	Available from the City of West Bend

T11N R18E – Town of Addison

Sections	Project
1-36	None Available

T11N R19E – Town of Barton (part), Town of West Bend, City of West Bend (part)

Sections	Project
1-4, 8-17, 20-28, 34-36	Available from the City of West Bend
5-7, 18, 19, 29-33	None Available

T11N R20E – Town of Trenton, Village of Newburg, City of West Bend (part)

Sections	Project
1-5, 10-15, 21-28, 32-36	None Available
6-9, 16-20, 29-31	Available from the City of West Bend

T12N R18E – Town of Wayne

Sections	Project
1-36	None Available

T12N R19E – Town of Kewaskum, Town of Barton (part), Village of Kewaskum

Sections	Project
1, 2, 6, 7, 11-14, 18, 19, 23-33	None Available
3-5, 8-10, 15-17, 20-22	1994 Village of Kewaskum Project – 1"=200' Scale
34-36	Available from the City of West Bend

T12N R20E – Town of Farmington

Sections	Project
1-36	None Available

Annotation feature class WashCoGIS.GIS.PLN_anno

Geometry: ; Contains M values: No; Contains Z values: No

Cartographic Annotation for Planimetric Features

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
FEATUREID	Long integer	Yes			10			
ZORDER	Long integer	Yes			10			
ANNOTATIONCLASSID	Long integer	Yes			10			
ELEMENT	Blob	Yes			0	0	0	
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
ANNOSIZE	Double	Yes			38	8		Legacy attribute from data import
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_FONT	Long integer	Yes			10			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			38	8		Legacy attribute from data import
PLAN_	Long integer	Yes			10			Legacy attribute from data import
PLAN_ID	Long integer	Yes			10			Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
CAD_STYLE	String	Yes					255	Legacy attribute from data import
CAD_HEIGHT	Double	Yes			38	8		Legacy attribute from data import
CAD_ANGLE	Double	Yes			38	8		Legacy attribute from data import
TEXT_STRING	String	Yes					255	Legacy attribute from data import
PROJECT	String	Yes					20	Project information was captured
SYMBOLID	Long integer	Yes			10			ArcGIS System Field
STATUS	Short integer	Yes	0	AnnotationStatus	5			ArcGIS System Field
TEXTSTRING	String	Yes					255	ArcGIS System Field
FONTNAME	String	Yes					255	ArcGIS System Field
FONTSIZE	Double	Yes			38	8		ArcGIS System Field
BOLD	Short integer	Yes		BooleanSymbolValue	5			ArcGIS System Field
ITALIC	Short integer	Yes		BooleanSymbolValue	5			ArcGIS System Field
UNDERLINE	Short integer	Yes		BooleanSymbolValue	5			ArcGIS System Field
VERTICALALIGNMENT	Short integer	Yes		VerticalAlignment	5			ArcGIS System Field
HORIZONTALALIGNMENT	Short integer	Yes		HorizontalAlignment	5			ArcGIS System Field
XOFFSET	Double	Yes			38	8		ArcGIS System Field
YOFFSET	Double	Yes			38	8		ArcGIS System Field
ANGLE	Double	Yes			38	8		ArcGIS System Field
FONTLEADING	Double	Yes			38	8		ArcGIS System Field
WORDSPACING	Double	Yes			38	8		ArcGIS System Field
CHARACTERWIDTH	Double	Yes			38	8		ArcGIS System Field
CHARACTERSPACING	Double	Yes			38	8		ArcGIS System Field
FLIPANGLE	Double	Yes			38	8		ArcGIS System Field
OVERRIDE	Long integer	Yes			10			ArcGIS System Field
SHAPE	Geometry	Yes						
SHAPE.area	Double	No			0	0		ArcGIS System Field
SHAPE.len	Double	No			0	0		ArcGIS System Field

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)
BRIDGE.TXT				X		
CEMETERY.TXT	X	X	X	X		
DAM.TXT	X					
DRIVEWAY.PARKING.TXT	X	X	X	X		
MISCELLANEOUS.TXT				X		
OPEN.STORAGE/PILE.TXT	X	X	X	X		
OTHER.FEATURE.TXT			X	X		
OVERHEAD.STRUCTURE.TXT	X		X			
PARK/RECREATION.TXT				X		
PAVED.SLAB.TXT	X	X	X	X		
POOL.TXT	X	X	X	X		
RAILROAD.CENTERLINE.TXT	X		X			
ROAD.PUBLIC.TXT	X	X	X	X		
ROAD.UNIMPROVED.TXT	X	X				
RUIN.TXT	X	X	X	X		
SIGN.TXT	X	X	X	X		
STRUCTURE.TXT	X	X	X	X		
SUBSTATION.TXT	X	X	X			
TANK/SILO.TXT	X	X	X	X		
UNKNOWN.TXT	X	X	X	X		
WALL.TXT	X	X	X	X		

Simple feature class WashCoGIS.GIS.PLN_arc

Geometry: Polyline; Contains M values: No; Contains Z values: No

Linear Planimetric Features

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
FNODE_	Long integer	Yes			10			Legacy attribute from data import
TNODE_	Long integer	Yes			10			Legacy attribute from data import
LPOLY_	Long integer	Yes			10			Legacy attribute from data import
RPOLY_	Long integer	Yes			10			Legacy attribute from data import
LENGTH	Double	Yes			0	0		Legacy attribute from data import
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			0	0		Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
CAD_LINETYPE	String	Yes					255	Legacy attribute from data import
SHAPE	Geometry	Yes						
PROJECT	String	Yes					20	Project Information was captured
SHAPE.len	Double	No			0	0		ArcGIS System Field

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)
BRIDGE.DECK	X	X	X	X		
BRIDGE.WING			X	X		
CEMETERY	X	X	X	X		
CULVERT.LARGE	X	X	X	X		
CULVERT.SMALL			X	X		
DAM	X					
DOCK.WALL		X				
DRIVEWAY.PAVED	X	X	X	X		
DRIVEWAY.UNPAVED	X	X	X	X		
FENCE	X	X	X	X		
GUARD.RAIL		X		X		
MISCELLANEOUS				X		
OPEN.STORAGE/PILE	X	X	X	X		
OTHER.FEATURE	X		X	X		
OVERHEAD.STRUCTURE	X	X	X	X		
PARK.RECREATION.LINE				X		
PARKING.PAVED	X	X	X	X		
PARKING.UNPAVED	X	X	X	X		
PAVED.SLAB	X	X	X	X		
PIER		X				
POLE.LIGHT				X		
POLE.POWER/TELEPHONE				X		
POOL	X	X	X	X		
RAILROAD.ABANDONED	X					
RAILROAD.CENTERLINE	X		X			
ROAD.PUBLIC	X	X	X	X		
ROAD.PUBLIC.MEDIAN	X		X	X		
ROAD.UNIMPROVED	X	X	X	X		
RUIN	X	X	X	X		
SHOULDER.PAVED				X		
SIDEWALK		X	X			
SIGN.LINE	X	X	X	X		
STRUCTURE	X	X	X	X		
SUBSTATION	X	X	X			
TANK/SILO	X	X	X	X		
TRAIL	X	X	X	X		
TRANSMISSION.TOWER		X	X			
TREE.LINE	X	X	X	X		
UNKNOWN		X	X			
WALL	X	X	X	X		

Simple feature class WashCoGIS.GIS.PLN_point

Geometry: Point; Contains M values: No; Contains Z values: No

Point Planimetric Features

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
PLN_point.AREA	Double	Yes			0	0		Legacy attribute from data import
PERIMETER	Double	Yes			0	0		Legacy attribute from data import
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			0	0		Legacy attribute from data import
POLYGONID	Long integer	Yes			10			Legacy attribute from data import
SCALE	Double	Yes			0	0		Legacy attribute from data import
ANGLE	Long integer	Yes			10			Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
SHAPE	Geometry	Yes						
PROJECT	String	Yes					20	Project Information was captured

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)
CULVERT.SMALL	X	X	X			
POLE.LIGHT		X				
POLE.POWER/TELEPHONE	X	X	X			
SIGN	X	X				
TREE	X	X	X	X		

Annotation feature class WashCoGIS.GIS.HYD_anno

Geometry: ; Contains M values: No; Contains Z values: No

Cartographic Annotation for Hydrographic Features

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
FEATUREID	Long integer	Yes			10			
ZORDER	Long integer	Yes			10			
ANNOTATIONCLASSID	Long integer	Yes			10			
ELEMENT	Blob	Yes			0	0	0	
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
ANNOSIZE	Double	Yes			38	8		Legacy attribute from data import
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_FONT	Long integer	Yes			10			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			38	8		Legacy attribute from data import
HYDRO_	Long integer	Yes			10			Legacy attribute from data import
HYDRO_ID	Long integer	Yes			10			Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
CAD_STYLE	String	Yes					255	Legacy attribute from data import
CAD_HEIGHT	Double	Yes			38	8		Legacy attribute from data import
CAD_ANGLE	Double	Yes			38	8		Legacy attribute from data import
TEXT_STRING	String	Yes					255	Legacy attribute from data import
PROJECT	String	Yes					20	Project Information was captured
SYMBOLID	Long integer	Yes			10			ArcGIS System Field
STATUS	Short integer	Yes	0	AnnotationStatus	5			ArcGIS System Field
TEXTSTRING	String	Yes					255	ArcGIS System Field
FONTNAME	String	Yes					255	ArcGIS System Field
FONTSIZE	Double	Yes			38	8		ArcGIS System Field
BOLD	Short integer	Yes		BooleanSymbolValue	5			ArcGIS System Field
ITALIC	Short integer	Yes		BooleanSymbolValue	5			ArcGIS System Field
UNDERLINE	Short integer	Yes		BooleanSymbolValue	5			ArcGIS System Field
VERTICALALIGNMENT	Short integer	Yes		VerticalAlignment	5			ArcGIS System Field
HORIZONTALALIGNMENT	Short integer	Yes		HorizontalAlignment	5			ArcGIS System Field
XOFFSET	Double	Yes			38	8		ArcGIS System Field
YOFFSET	Double	Yes			38	8		ArcGIS System Field
ANGLE	Double	Yes			38	8		ArcGIS System Field
FONTLEADING	Double	Yes			38	8		ArcGIS System Field
WORDSPACING	Double	Yes			38	8		ArcGIS System Field
CHARACTERWIDTH	Double	Yes			38	8		ArcGIS System Field
CHARACTERSPACING	Double	Yes			38	8		ArcGIS System Field
FLIPANGLE	Double	Yes			38	8		ArcGIS System Field
OVERRIDE	Long integer	Yes			10			ArcGIS System Field
SHAPE	Geometry	Yes						
SHAPE.area	Double	No			0	0		ArcGIS System Field
SHAPE.len	Double	No			0	0		ArcGIS System Field

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)
MARSH.TXT	X	X				
WATER.NONPONDED.TXT	X	X	X	X		
WATER.PONDED.TXT	X	X	X	X		

Simple feature class WashCOGIS.GIS.HYD_arc

Geometry: Polyline; Contains M values: No; Contains Z values: No

Linear Hydrographic Features

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
FNODE_	Long integer	Yes			10			Legacy attribute from data import
TNODE_	Long integer	Yes			10			Legacy attribute from data import
LPOLY_	Long integer	Yes			10			Legacy attribute from data import
RPOLY_	Long integer	Yes			10			Legacy attribute from data import
LENGTH	Double	Yes			0	0		Legacy attribute from data import
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			0	0		Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
CAD_LINETYPE	String	Yes					255	Legacy attribute from data import
SHAPE	Geometry	Yes						
PROJECT	String	Yes					20	Project Information was captured
SHAPE.len	Double	No			0	0		ArcGIS System Field

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)
MARSH.LINE	X	X	X	X		
MARSH.SYMBOL				X		
MISCELLANEOUS				X		
WATER.FLOW	X	X	X	X		
WATER.NONPONDED	X	X	X	X		
WATER.PONDED	X	X	X	X		

Simple feature class WashCOGIS.GIS.HYD_point

Geometry: Point; Contains M values: No; Contains Z values: No

Point Hydrographic Features

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
HYD_point.AREA	Double	Yes			0	0		Legacy attribute from data import
PERIMETER	Double	Yes			0	0		Legacy attribute from data import
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			0	0		Legacy attribute from data import
POLYGONID	Long integer	Yes			10			Legacy attribute from data import
SCALE	Double	Yes			0	0		Legacy attribute from data import
ANGLE	Long integer	Yes			10			Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
SHAPE	Geometry	Yes						
PROJECT	String	Yes					20	Project Information was captured

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)
MARSH.SYMBOL	X	X	X	X		

Annotation feature class WashCoGIS.GIS.REF_anno

Geometry: ; Contains M values: No; Contains Z values: No

Cartographic Annotation for Reference Features

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
FEATUREID	Long integer	Yes			10			
ZORDER	Long integer	Yes			10			
ANNOTATIONCLASSID	Long integer	Yes			10			
ELEMENT	Blob	Yes			0	0	0	
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
ANNOSIZE	Double	Yes			38	8		Legacy attribute from data import
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_FONT	Long integer	Yes			10			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			38	8		Legacy attribute from data import
REF_	Long integer	Yes			10			Legacy attribute from data import
REF_ID	Long integer	Yes			10			Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
CAD_STYLE	String	Yes					255	Legacy attribute from data import
CAD_HEIGHT	Double	Yes			38	8		Legacy attribute from data import
CAD_ANGLE	Double	Yes			38	8		Legacy attribute from data import
TEXT_STRING	String	Yes					255	Legacy attribute from data import
PROJECT	String	Yes					20	Project Information was captured
SYMBOLID	Long integer	Yes			10			ArcGIS system Field
STATUS	Short integer	Yes	0	AnnotationStatus	5			ArcGIS system Field
TEXTSTRING	String	Yes					255	ArcGIS system Field
FONTNAME	String	Yes					255	ArcGIS system Field
FONTSIZE	Double	Yes			38	8		ArcGIS system Field
BOLD	Short integer	Yes		BooleanSymbolValue	5			ArcGIS system Field
ITALIC	Short integer	Yes		BooleanSymbolValue	5			ArcGIS system Field
UNDERLINE	Short integer	Yes		BooleanSymbolValue	5			ArcGIS system Field
VERTICALALIGNMENT	Short integer	Yes		VerticalAlignment	5			ArcGIS system Field
HORIZONTALALIGNMENT	Short integer	Yes		HorizontalAlignment	5			ArcGIS system Field
XOFFSET	Double	Yes			38	8		ArcGIS system Field
YOFFSET	Double	Yes			38	8		ArcGIS system Field
ANGLE	Double	Yes			38	8		ArcGIS system Field
FONTLEADING	Double	Yes			38	8		ArcGIS system Field
WORDSPACING	Double	Yes			38	8		ArcGIS system Field
CHARACTERWIDTH	Double	Yes			38	8		ArcGIS system Field
CHARACTERSPACING	Double	Yes			38	8		ArcGIS system Field
FLIPANGLE	Double	Yes			38	8		ArcGIS system Field
OVERRIDE	Long integer	Yes			10			ArcGIS system Field
SHAPE	Geometry	Yes						
SHAPE.area	Double	No			0	0		ArcGIS system Field
SHAPE.len	Double	No			0	0		ArcGIS system Field

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)
PHOTO.CENTER.TXT				X		
QTR.SECTION.LINE.TXT	X	X	X	X		
SECTION.CORNER.TXT	X	X	X	X		
SECTION.LINE.TXT	X	X	X	X		
TRAVERSE.STATION.TXT	X					
TRIANG.STATION.TXT		X				

Simple feature class WashCOGIS.GIS.REF_arc

Geometry: Polyline; Contains M values: No; Contains Z values: No

Linear Reference Features

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
FNODE_	Long integer	Yes			10			Legacy attribute from data import
TNODE_	Long integer	Yes			10			Legacy attribute from data import
LPOLY_	Long integer	Yes			10			Legacy attribute from data import
RPOLY_	Long integer	Yes			10			Legacy attribute from data import
LENGTH	Double	Yes			0	0		Legacy attribute from data import
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			0	0		Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
CAD_LINETYPE	String	Yes					255	Legacy attribute from data import
SHAPE	Geometry	Yes						
PROJECT	String	Yes					20	Project Information was captured
SHAPE.len	Double	No			0	0		Legacy attribute from data import

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)
QTR.SECTION.LINE	X	X	X	X		
SECTION.CORNER				X		
SECTION.LINE	X	X	X	X		

Simple feature class WashCOGIS.GIS.REF_point

Geometry: Point; Contains M values: No; Contains Z values: No

Point Reference Features

Field name	Data type	Allow nulls	Default value	Domain	Precision	Scale	Length	Note
OBJECTID	Object ID							
REF_point.AREA	Double	Yes			0	0		Legacy attribute from data import
PERIMETER	Double	Yes			0	0		Legacy attribute from data import
FEATCODE	String	Yes					5	Legacy attribute from data import
TAG	String	Yes					45	
IGDS_LAYER	String	Yes					16	Legacy attribute from data import
IGDS_LEVEL	Short integer	Yes			5			Legacy attribute from data import
IGDS_COLOR	Short integer	Yes			5			Legacy attribute from data import
IGDS_STYLE	Short integer	Yes			5			Legacy attribute from data import
IGDS_WEIGHT	Short integer	Yes			5			Legacy attribute from data import
IGDS_ZVALUE	Double	Yes			0	0		Legacy attribute from data import
POLYGONID	Long integer	Yes			10			Legacy attribute from data import
SCALE	Double	Yes			0	0		Legacy attribute from data import
ANGLE	Long integer	Yes			10			Legacy attribute from data import
CAD_LEVEL	Long integer	Yes			10			Legacy attribute from data import
CAD_COLOR	Long integer	Yes			10			Legacy attribute from data import
SHAPE	Geometry	Yes						
PROJECT	String	Yes					20	Project Information was captured

Projects

TAG Value	Kewaskum Area (1994)	Town of Erin (1995)	Slinger Area (1997)	Oconomowoc River Area (2003)	Topo Project (2005)	LIDAR Project (2007)
PHOTO.CENTER				X		
SECTION.CORNER	X	X	X	X		
TRIANG.STATION	X					