Data Dictionary (.dgn format)
1994 Village of Kewaskum Topographic Mapping Elements 1"=200' Scale
1995 Town of Erin Topographic Mapping Elements 1"=200' Scale
1997 Village of Slinger Topographic Mapping Elements 1"=100' Scale
2003 Oconomowoc River Topographic Mapping Elements 1"=200' Scale

The digital map files are provided in two separate, distinct formats. In the first format (*.grp), called 'graphic primitive', map data are represented as fundamental unsymbolized feature information. All point features are encoded as points, not cells. All line features are encoded as solid, unsymbolized lines rather than as patterned lines. The second format (.sym), called the 'symbolized' format, was derived from the first format and used to prepare the plotted topographic maps. All point and line features are encoded in the file using the required symbols, cells, patterns, weights, styles, and colors needed to correctly plot the topographic maps.

Data Element	Type	Level	Color
Map Sheet Elements			
Map Border	Line	1	1
Map Title	Text	1	2
Map Legend Box	Line	1	3
Map Legend Box Text	Text	1	4
Graphic Scale	Line	1	5
Graphic Scale Text	Text	1	6
North Point	Point	1	7
North Point Text	Text	1	8
Map Legend Symbols	Point	1	9
Map Legend Text	Text	1	10
Map Index Section Lines	Line	1	11
Map Index County and Town Lines	Line	1	13
Map Index City Boundary Lines	Line	1	15
Map Index Location Box	Line	1	17
Geodetic and Geographic Reference Elements			
NGS Triangulation Station Location[1]	Point	2	1
NGS Triangulation State Text (NAD-27)[1]	Text	2	2
Traverse Station Location[1]	Point	2	3
Traverse Station Text (NAD-27)[1]	Text	2	4
Photo Center Location[1]	Point	2	5
Photo Center Text[1]	Text	2	6
Bench Mark Location[1]	Point	2	7
Bench Mark Text[1]	Text	2	8
Wisconsin State Plane Coordinate Grid Intervals[2]	Point	3	1
Wisconsin State Plane Coordinate Text[2]	Text	3	2
Wisconsin State Plane Coordinate Grid Intersections[1]	Point	3	3

Data Element	Type	Level	Color
Geodetic and Geographic Reference Elements (Continued)			
U.S. Public Land Survey Corner	Point	4	1
U.S. Public Land Survey Corner Coordinates (NAD-27)	Text	4	2
U.S. Public Land Survey Monuments	Point	4	3
U.S. Public Land Survey Monument Coords (NAD-27)	Text	4	4
U.S. Public Land Survey Section Line	Line	5	1
U.S. Public Land Survey Section Bearing/Length	Text	5	2
U.S. Public Land Survey Quarter-Section Line	Line	5	3
U.S. Public Land Survey Qtr-Section Bearing/Length	Text	5	4
Hydrographic Elements			
Open Water Line[3]	Line	8	1
Open Water Name Text[3]	Text	8	2
Single Width Water Line[4]	Line	9	1
Single Width Water Name Text[4]	Text	9	2
Marsh Boundary Line	Line	10	1
Marsh Name Text	Text	10	2
Marsh Symbol	Point	10	3
Planimetric Elements			
Road Pavement/Curb Line	Line	11	1
Road Name Text	Text	11	2
Road Median/Boulevard Line	Line	11	3
Unimproved Road Line	Line	13	1
Unimproved Road Name Text	Text	13	2
Driveway Line (paved)	Line	14	1
Driveway & Parking Text	Text	14	2
Driveway (unpaved)	Line	14	3
Parking (paved)	Line	14	5
Parking (unpaved)	Line	14	7
Trail Line	Line	15	1
Trail Line Text	Text	15	2
Fence Line	Line	17	1
Transmission Tower	Line	18	3
Communications Tower	Line	18	5
Utility Pole Location	Point	19	5

Data Element	Type	Level	Color
Planimetric Elements (Continued)			
Railway Track Centerline	Line	20	1
Railway Name Text	Text	20	4
Railway (abandoned)	Line	20	7
Building Roof/Foundation Outline	Line	21	1
Building Name Text	Text	21	2
Ruins Foundation Outline	Line	22	1
Ruins Name Text	Text	22	2
Dam Line	Line	23	1
Dam Name Text	Text	23	2
Pier Line	Line	23	3
Pier Name Text	Text	23	4
Dock Wall Line	Line	23	5
Dock Wall Name Text	Text	23	6
Culvert (small)	Point	24	1
Culvert (large)	Line	24	3
Bridge Deck Line	Line	25	1
Bridge Wing/Retaining Wall Line	Line	25	3
Aviation Runway/Taxiway Line (paved)	Line	26	1
Aviation Runway/Taxiway Name Text	Text	26	2
Aviation Runway/Taxiway Line (unpaved)	Line	26	3
Cemetery	Line	27	5
Cemetery Text	Text	27	6
Paved Slab	Line	27	7
Paved Slab Text	Text	27	8
Open Storage, Pile, U/C	Line	27	9
Open Storage, Pile, U/C Text	Text	27	10
Pipeline	Line	27	11
Pipeline Text	Text	27	12
Overhead Structure	Line	27	15
Overhead Structure Text	Text	27	16
Pool	Line	27	19
Pool Text	Text	27	20
Tank, Silo	Line	27	21
Tank, Silo Text	Text	27	22
Sign Text	Text	27	24
Sign Line	Line	27	25
Substation Structure	Line	27	27

Data Element	Type	Level	Color
Planimetric Elements (Continued)			
Substation Text	Text	27	28
Wall	Line	27	29
Wall Text	Text	27	30
Other Planimetric Elements		27	33
Tree Location	Point	33	1
Wooded Area Boundary Line	Line	33	3
Hypsometric Elements			
Accentuated Contour Elevation Line	Line	29	1
Accentuated Contour Elevation Number	Text	29	2
Accentuated Contour Depression Line	Line	29	3
Accentuated Contour Depression Number	Text	29	4
Accentuated Approximate Contour Elevation Line	Line	29	5
Accentuated Approximate Contour Elevation Number	Text	29	6
Accentuated Approximate Contour Depression Line	Line	29	7
Accentuated Approximate Contour Depression Number	Text	29	8
Unaccentuated Contour Elevation Line	Line	30	1
Unaccentuated Contour Depression Line	Line	30	3
Unaccentuated Approximate Contour Elevation Line	Line	30	5
Unaccentuated Approximate Contour Depression Line	Line	30	7
Spot Elevation Location	Point	31	1
Spot Elevation Value Text	Text	31	2
Water Surface Elevation Location	Point	31	3
Water Surface Spot Elevation Value Text	Text	31	4
U.S. Public Land Survey Corner Elevation	Text	31	6

[1] Where elements occur interior to the U.S. Public Land Survey section lines of the area being mapped.

[2] Where elements occur exterior to the U.S. Public Land Survey section lines of the area being mapped, and interior to the map sheet border.

[3] Depicting open water boundaries (greater than 10' in width) for lakes, ponds, streams, watercourses, and drainage ditches.

[4] Depicting water boundaries too narrow to show both edges (less than 10' width) for streams, watercourses, and drainage ditches.