Year 2000 SEWRPC Regional Orthophotography Program

Description of Digital Products

The following four types of digital orthophoto products are available from the Southeastern Wisconsin Regional Planning Commission's 2000 Regional Orthophotography Program. The orthophoto image files and accompanying digital map-related files are available on CD-ROM.

The cost for each of the four types of digital products is **$50** per CD-ROM, plus tax and shipping charges.

Digital Product	Image File Type	Compilation Scale	Pixel Resolution	Area Covered by each File	No. of Image Files per CD	Accompanying Files (by file name extension)	Description
400-scale Standard	GeoTIFF	1" = 400'	2 feet	Four USPLSS sections (approx. four square miles)	9 to 15 files (1 or 2 survey townships)	.tfw – reference or "world" file for viewing images with ESRI software .dgn – vector map file in MicroStation DGN format with map sheet features .bnd – image extent or boundary file in ASCII format ortho.rsc – resource file for text fonts in MicroStation DGN files	Each image file covers four U. S. Public Land Survey System (USPLSS) sections, an approximately four-square-mile area. The accompanying files contain map sheet and USPLSS information, similar to the Commission's 1995 orthophoto product. Image file size is about 32 megabytes. Requires 71 CDs to cover seven-county Region.
400-scale Compressed	MrSID	1" = 400'	2 feet	One county	1 file	.sdw – reference or "world" file for viewing MrSID format images	Image files merged into a mosaic covering one entire county. County file sizes range from 90 to 265 megabytes.
200-scale Standard	GeoTIFF	1" = 200'	1 foot	5,000' by 5,000' tile	25 files	.tfw – reference or "world" file for viewing images with ESRI software	Each image file covers a 5,000' by 5,000' area or tile on the Wisconsin State Plane Coordinate System, South Zone. File size is about 26 megabytes. Requires 142 CDs to cover seven-county Region.
200-scale Compressed	MrSID	1" = 200'	1 foot	One USPLSS survey township	up to 8 files (1 to 8 townships)	.sdw – reference or "world" file for viewing MrSID format images	Image files merged into a mosaic covering one USPLSS survey township. Township file sizes range from 60 to 74 megabytes.

Year 2000 SEWRPC Regional Orthophotography Program: File Naming Convention

400-scale Standard files	
im2k*ttrrss*.tif	Orthophoto image in GeoTIFF format covering four U. S. Public Land Survey System (USPLSS) sections (an approximately four-square-mile area). The base name "*ttrrss*" indicates the USPLSS township ("*tt*"), range ("*rr*"), and section ("*ss*") identifier of the area covered by the file. The section identifier is used for all 400-scale Standard digital products, and is explained as follows: 01 = sections 1, 2, 11, 12 — 13 = sections 13, 14, 23, 24 — 25 = sections 25, 26, 35, 36 03 = sections 3, 4, 9, 10 — 15 = sections 15, 16, 21, 22 — 27 = sections 27, 28, 33, 34 05 = sections 5, 6, 7, 8 — 17 = sections 17, 18, 19, 20 — 29 = sections 29, 30, 31, 32
im2k*ttrrss*.tfw	Image reference or "world" file for displaying images with ESRI software.
ms2k*ttrrss*.dgn	Vector map file in MicroStation DGN format containing map sheet features such as border, title, legend, and USPLSS control survey information.
ex2k*ttrrss*.bnd	Orthophoto image extent or boundary file. This is an ASCII (American Standard Code for Information Interchange) text file containing the minimum and maximum "x" and "y" coordinate values that define the spatial extent of the digital orthophoto image file.
ortho.rsc	Resource file for text fonts in MicroStation DGN files.
400-scale Compressed files	
im2k*county*.sid	Orthophoto image in MrSID compressed file format covering one entire county. The base name "*county*" indicates the county name.
im2k*county*.sdw	Image reference or "world" file for displaying MrSID-format county image.
200-scale Standard files	
im*eeee_nnn*.tif	Orthophoto image in GeoTIFF format covering a 5,000 feet by 5,000 feet area or "tile". The base name "*eeee_nnn*" indicates the easting coordinate ("*eeee*"), in thousands of feet, and the northing coordinate ("*nnn*"), in thousands of feet, of the southwest corner of the image.
im*eeee_nnn*.tfw	Image reference or "world" file for displaying images with ESRI software.
200-scale Compressed files	
im2k*ttrr*.sid	Orthophoto image in MrSID compressed file format covering one USPLSS survey township. The base name "*ttrr*" indicates the survey township ("*tt*") and range ("*rr*") identifier of the area covered by the file.
im2k*ttrr*.sdw	Image reference or "world" file for displaying MrSID-format survey township image.

NOTES:

All digital orthophoto images and related digital files from the 2000 Regional Orthophotography Program are referenced to the Wisconsin State Plane Coordinate System, South Zone, North American Datum of 1927.

This documentation describes conventional digital products available from the 2000 Regional Orthophotography Program. Individuals interested in the availability and cost of customized digital or hardcopy orthophoto products should inquire of the Southeastern Wisconsin Regional Planning Commission GIS Division.

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