



GIS Standard Products and Data Pricing List  
as of 9/26/02

<u>Product</u>	<u>Resolution/ Description</u>	<u>Original Scale</u>	<u>Date Developed</u>	<u>Source</u>	<u>Format</u>	<u>Unit Size</u>	<u>Price per Unit</u>	<u>Area Total</u>
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### Rapid City Area Orthophotography -- 2000

Digital data, 2000. Ortho rectified black and white aerial photograph at a scale of 1"=200' with 0.5 foot resolution or 1"=400' with 1.0 foot resolution. (An orthophotograph is a corrected photographic copy prepared from a vertical photograph by removing the displacements of images due to tilt and terrain.) Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Rapid City	0.5 foot pixel resolution	1:2,400	April 2000	Surdex	TIF	varies, up to one sq. mile	\$75	\$8,400
Urbanized Area	1.0 foot pixel resolution	1:4,800	April 2000	Surdex	TIF	varies, up to four sq. miles	\$75	\$2,475

### County Rectified Aerial Photography -- 2001

Digital data, 2001. Rectified black and white aerial photograph at a scale of 1"=400' with 1.0 foot resolution. (Rectified aerial photography is a scanned photograph prepared from vertical photography in which the displacements of images due to tilt have been removed.) Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Box Elder	1.0 foot pixel resolution	1:4,800	April 2001	Horizons	TIF	varies	N/A	\$1,075
Farmingdale	1.0 foot pixel resolution	1:4,800	April 2001	Horizons	TIF	varies	N/A	\$25
Hill City	1.0 foot pixel resolution	1:4,800	April 2001	Horizons	TIF	varies	N/A	\$750
Keystone	1.0 foot pixel resolution	1:4,800	April 2001	Horizons	TIF	varies	N/A	\$300
New Underwood	1.0 foot pixel resolution	1:4,800	April 2001	Horizons	TIF	varies	N/A	\$100
Quinn	1.0 foot pixel resolution	1:4,800	April 2001	Horizons	TIF	varies	N/A	\$50
Wall	1.0 foot pixel resolution	1:4,800	April 2001	Horizons	TIF	varies	N/A	\$275
Wasta	1.0 foot pixel resolution	1:4,800	April 2001	Horizons	TIF	varies	N/A	\$50
Developing areas	1.0 foot pixel resolution	1:4,800	April 2001	Horizons	TIF	quarter section	N/A	\$13



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### USGS Digital Orthophoto Quarter Quadrangles

Digital data, 1992 or 1998. Ortho rectified black and white aerial photograph at a scale of 1"=1000' with 1 meter resolution. (An orthophotograph is a corrected photographic copy prepared from a vertical photograph by removing the displacements of images due to tilt and terrain. A quarter quadrangle is an area 3.75 degrees in both latitude and longitude.) Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Pennington County DOQ	1 meter pixel resolution	1:12,000	1992 or 1998	USGS	BIL	quarter quadrangle	\$20	\$1,500
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### USGS Digital Raster Graphics

Digital data. Digital Raster Graphics (DRG) are scanned USGS maps. A quadrangle is defined as a four-sided figure, bounded by parallels of latitude and meridians of longitude, used as an area unit in mapping. The dimensions are not necessarily the same in both directions. The map of such an area is termed a quadrangle map. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet. "SID" represents MrSID compression format.

Pennington County DRG and surrounding area	8 foot pixel resolution	1:24,000	varies	USGS	TIF	quadrangle	\$15	\$800
Pennington County DRG SID	8 foot pixel resolution	1:24,000	varies	USGS	SID	county	\$50	\$50

### USGS Digital Elevation Model

Digital data. Digital Elevation Models (DEM) are grids of elevation points taken from USGS maps. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Pennington County DEM	30 meter spacing	1:24,000	1999	USGS	Arc/INFO GRID	county	\$75	\$75
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### USGS Digital Line Graph Topography

Digital contour data. Digital Line Graphs (DLG) are digitized USGS maps. A quadrangle is defined as a four-sided figure, bounded by parallels of latitude and meridians of longitude, used as an area unit in mapping. The dimensions are not necessarily the same in both directions. The map of such an area is termed a quadrangle map. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet. Date of development does not reflect the original date of the USGS source maps. 1:24,000 quadrangles have not been edge matched.

Pennington County DLG (west of Box Elder only)	varies, from 10 foot to 40 foot contours	1:24,000	1999	USGS	Arc/INFO e00	quadrangle	\$15	\$300
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Pennington County DLG	50 meter contours	1:100,000	1999	USGS	Arc/INFO e00	county	N/A	\$75

**USGS Digital Line Graph Hydrology**

Digital hydrology data. Digital Line Graphs (DLG) are digitized USGS maps. A quadrangle is defined as a four-sided figure, bounded by parallels of latitude and meridians of longitude, used as an area unit in mapping. The dimensions are not necessarily the same in both directions. The map of such an area is termed a quadrangle map. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet. Date of development does not reflect the original date of the USGS source maps. 1:24,000 quadrangles have not been edge matched.

Pennington County DLG (west of Box Elder)		1:24,000	1999	USGS	Arc/INFO e00	one-half county	N/A	\$100
Pennington County DLG		1:100,000	1999	USGS	Arc/INFO e00	county	N/A	\$50

**Rapid City Area Topography -- 2000**

Digital contour data. Contour lines based on orthophotography, dated April 2000. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Rapid City	2 foot contours	1:2,400	April 2000	Surdex	Arc/INFO e00 and AutoCAD dxf	varies, up to one sq. mile	\$25	\$2,800
Urbanized Area	5 foot contours	1:4,800	April 2000	Surdex	Arc/INFO e00 and AutoCAD dxf	varies, up to four sq. mile	\$25	\$825

**Q<sub>3</sub> Flood Data**

Digital data. Q<sub>3</sub> Flood data includes 100- and 500-year flood plain (FEMA--Q3). The Q<sub>3</sub> flood data is for general guidance only and not for absolute delineations or flood risk boundaries. Consult individual FIRM's for official delineations when area of interest is within the 250 ft. buffer. For flood boundaries inside Rapid City limits, contact City Engineering Division, (605) 394-4154. Data created by the Federal Emergency Management Agency. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Pennington County				FEMA	Arc/INFO e00	County	N/A	\$50
Pennington County	Color printed map			FEMA	34" x 44"	County	N/A	\$25



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### Rapid City Area Hydrology

Digital data. Hydrology includes lakes, rivers and streams. Created from Orthophotography dated April 2000. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Rapid City	Rapid City Area Grid Directory	1:2,400	April 2000	Surdex	Arc/INFO e00 and AutoCAD dxf	varies, up to four sq. miles	\$50	see below
Urbanized Area	Rapid City Area Grid Directory	1:4,800	April 2000	Surdex	Arc/INFO e00 and AutoCAD dxf	varies, up to 16 sq. miles	\$25	see below
Rapid City and Urbanized Area Composite	Rapid City Area Grid Directory	varies	April 2000	Surdex	Arc/INFO e00 and AutoCAD dxf	City and urbanized area	N/A	\$300

### Rapid City Public Utilities

Digital public utilities data include Rapid City storm sewer, sanitary sewer or water utility lines. Digital data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet. Blueline public utility map sets include approximately 25 sheets, 36 inch by 36 inch sheet size. No standard projection is used for City blueline maps.

Rapid City Water, Sewer or Storm Sewer	Twp 20, 21, 37 and 38	<b>Data not yet available</b>			Arc/INFO e00 and AutoCAD dxf	Citywide	N/A	\$200
Rapid City Water Map	Blueline			City Eng.	36" x 36"	Citywide 25 sheets	N/A	\$125
Rapid City Sanitary Sewer Map	Blueline			City Eng.	36" x 36"	Citywide 25 sheets	N/A	\$125
Rapid City Storm Sewer Map	Blueline			City Eng.	36" x 36"	Citywide 25 sheets	N/A	\$125

### Rapid City Area Buildings

Digital data. Buildings include points for schools, hospitals and fire station locations. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Rapid City	Twp 20, 21, 37 and 38	<b>Data not yet available</b>			Arc/INFO e00 and ArcView shapefile	Citywide	N/A	\$25
Rapid City	Color printed map	<b>Data not yet available</b>				Citywide	N/A	\$25



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### Wards and Precincts

Digital data. Precincts shows an outline of city and county political boundaries within the county. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Pennington County	County		August-02	County Auditor	Arc/INFO e00 and ArcView shapefile	County	N/A	\$50
Pennington County	Color printed map	<b>Data not yet available</b>			County Auditor	County	N/A	\$25

### Rapid City Area Parks and Public Open Space

Digital data. Parks and Public Open Space shows the boundaries of parks and public open space within Rapid City. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Rapid City	Twp 20, 21, 37 and 38	<b>Data not yet available</b>			Arc/INFO e00 and ArcView shapefile	Citywide	N/A	\$25
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### Points of Interest

Digital data. Points of Interest show points of various community interest areas. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Rapid City	Twp 20, 21, 37 and 38	<b>Data not yet available</b>			Arc/INFO e00 and ArcView shapefile	Citywide	N/A	\$25
Pennington County	County	<b>Data not yet available</b>			County Auditor	County	N/A	\$25

### Pennington County roads

Digital road data. Roads matched to local orthophotography and USGS DOQQ's. Attributes include a large number of data fields such as road name, address ranges, and road surface types. Road name annotation is available for Rapid City area. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet. Data may be obtained in AutoCAD DXF format without attributes or annotation. Requires licensing agreement.

Roads	Road data licensed for reproduction	varies	ongoing	various sources	Arc/INFO e00 and AutoCAD dxf	County	N/A	\$5,000
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Roads	Road data	varies	ongoing	various sources	Arc/INFO e00 and AutoCAD dxf	County	N/A	\$1,000

**Road Map**

Rapid City road maps are printed at a scale of 1 inch equals 1,500 feet, and show major roads, including a street index, railroads, city boundaries, parks, public buildings, and hospitals within Rapid City. The Rapid City map is approximately 36 inches by 44 inches, covering 103 square miles of land, dated January 2001. The Pennington County highway maps are available from the County Highway Department. The large County highway map is also available at the County Auditor's Office.

Rapid City	Blueline				36" x 44"	City	N/A	\$10
Rapid City area	Color printed map	<b>Data not yet available</b>				City	N/A	\$25
Pennington County	Color printed map from GIS	<b>Data not yet available</b>				County	N/A	\$25
Pennington County	Color printed map				11" x 17"	County	N/A	\$5
Pennington County	Color printed map				24" x 36"	County	N/A	\$7.50
Pennington County	Color printed map				30" x 42"	County	N/A	\$10

**Road Map Books**

Road map books showing roads for Rapid City and Pennington County. Includes road index.

Rapid City map book	B & W	<b>Data not yet available</b>				City	N/A	\$75
Pennington County map book	B & W	<b>Data not yet available</b>				County	N/A	\$75

**Rapid City General Planning Map**

General planning maps show roads and Rapid City boundaries. The map covers approximately 103 square miles of land. See data printed on map.

Rapid City	B & W				34" x 44"	Citywide	N/A	\$25
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**Subdivision Map**

The Subdivision map shows the location of the surrounding subdivisions along with a subdivision index and a street index. The paper is approximately 36 inches by 44 inches, covering 103 square miles of land.



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Rapid City	Twp 20, 21, 37 and 38	Data not yet available			Citywide	N/A	\$25	
Pennington County	Twp 20, 21, 37 and 38	Data not yet available			County	N/A	\$50	
Rapid City	Blueline				36" x 44"	Citywide	N/A	\$10
Pennington County	Color printed map	Data not yet available			County	N/A	\$25	

**Pennington County tax parcels**

Digital tax parcel data. Tax parcels visually matched to digital orthophotography. Attributes include tax parcel number. Annotation is available. Data is from mapping by aerial methods. It does not represent a survey of the ground. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet. Rural area files each contain one township. Rapid City area files contain 4 or 6 sections. Requires licensing agreement. 121 files available.

Tax parcels	Tax parcel data licensed for reproduction	Data not yet available			Digitized and COGO maps	4 sections to 1 township		
Tax Parcels	Tax parcel data	Data not yet available			Digitized COGO maps	4 sections to 1 township		

**Parcel Map**

The Parcel map shows the interior lot line and tract delineation. Map is a printed at a scale of 1 inch equals 1,000 feet and the paper is approximately 4 feet by 5 feet. Map generated using DigiMap data, dated January 1998.

Rapid City	Blueline				4' x 5'	Citywide	N/A	\$5
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**Standard Products**

Any pre-existing map product that does not require staff time for setup shall be considered a Standard Product.

Standard Product	Color or Black & White					8.5" x 11"		\$4
Standard Product	Color or Black & White					11" x 17"		\$8
Standard Product	Color or Black & White					17" x 22"		\$15
Standard Product	Color or Black & White					22" x 34"		\$20
Standard Product	Color or Black & White					34" x 44"		\$25

**Customized Map Products**

Any map products not listed above will be considered a special request and charged an hourly rate of \$75 with a minimum charge of one-half hour of labor (\$37.50) plus the material fee listed below. Please contact the Pennington County-Rapid City GIS Division for customized product information. Customized work will be completed based upon GIS Division staff availability.

Material fee:

	<u>Size A</u> 8.5" x 11"	<u>Size B</u> 11" x 17"	<u>Size C</u> 17" x 22"	<u>Size D</u> 24" x 34"	<u>Size E</u> 34" x 44"
Bond	\$10	\$12	\$15	\$18	\$25

**Customized Digital Data Products**

Any digital data not listed above will be considered a special request and charged an hourly rate of \$75 with a minimum charge of one-half hour of labor (\$37.50) plus the material fee listed below. Please contact the Pennington County-Rapid City GIS Division for customized product information. Customized work will be completed based upon GIS Division staff availability. Data purchases require a licensing agreement.

Material fee:

CD-ROM (each)	\$2
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