

**JOINT RESOLUTION
ESTABLISHING GEOGRAPHIC INFORMATION SYSTEM (GIS)
STANDARD PRODUCTS AND DATA PRICING LIST**

WHEREAS on May 5, 1998, the Rapid City Council and the Pennington County Board of Commissioners approved a Joint Resolution establishing a Land Information System (LIS) Task Force to coordinate and oversee the joint Pennington County-Rapid City Geographic Information System (GIS); and

WHEREAS on March 19, 2001, the Rapid City Council and the Pennington County Board of Commissioners adopted a GIS Information Policy for Rapid City and Pennington County, South Dakota, that promotes the free and open flow of information; and

WHEREAS the GIS Information Policy identifies that the LIS Task Force may make available for sale standard products and may establish a standard products list with product pricing and availability; and

WHEREAS on May 16, 2001, the LIS Task Force recommended for approval the attached GIS Standard Products and Data Pricing List for digital data, hard copy data and mapping services for digital information.

NOW, THEREFORE, BE IT RESOLVED by the City of Rapid City and the County of Pennington that the attached GIS Standard Products and Data Pricing List is hereby established for digital data, hard copy data and mapping services for digital information developed through the Pennington County-Rapid City GIS Division.

BE IT FURTHER RESOLVED by the City of Rapid City and the County of Pennington that the GIS Standard Products and Data Pricing List may be updated and revised upon approval of the LIS Task Force, the Rapid City Council and the Pennington County Board of Commissioners as new products and data become available.

BE IT FURTHER RESOLVED by the City of Rapid City and the County of Pennington that fees for mapping services will remain with the department or division from where services were rendered.

PENNINGTON COUNTY COMMISSIONERS

Chairperson

ATTEST:

Auditor

(SEAL)

CITY OF RAPID CITY

Mayor

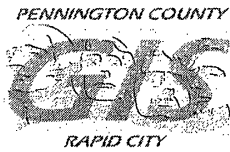
ATTEST:

Finance Officer

(SEAL)

Approved By: CITY ATTORNEY'S OFFICE

Initials: AA 6.7.01
Attorney Date



GIS Standard Products and Data Pricing List as of 5/1/01

<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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Orthophotography -- 2000

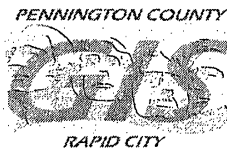
Digital data, 2000. Ortho rectified black and white aerial photograph at a scale of 1":200' with 0.5 foot resolution or 1":400' with 1.0 foot resolution. (An orthophotograph is a corrected photographic copy prepared from a perspective photograph by removing the displacements of images due to tilt and relief.) 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
Screen print	Black & white				8.5" x 11"		N/A	\$2
Screen print	Black & white				11" x 17"		N/A	\$4

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 a perspective 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
Screen print	Black & white				8.5" x 11"		N/A	\$2
Screen print	Black & white				11" x 17"		N/A	\$4



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USGS Digital Orthophoto Quadrangle

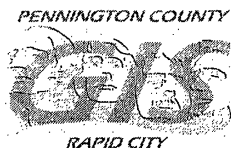
Digital data, 1992 or 1998. Ortho rectified black and white aerial photograph at a scale of 1":12,000' with 1 meter resolution. (An orthophotograph is a corrected photographic copy prepared from a perspective photograph by removing the displacements of images due to tilt and relief. A quarter quadrangle 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 quarter quadrangle map.) 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
Screen print	Black & white				8.5" x 11"		N/A	\$2
Screen print	Black & white				11" x 17"		N/A	\$4

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. *Also available in UTM, Zone 13, NAD27. "SID" represents MrSID compression format. **Only available in UTM, Zone 13, NAD27.

Pennington County DRG and surrounding area*	8 foot pixel resolution	1:24,000	varies	USGS	TIF	quadrangle	\$15	\$800
Pennington County DRG and surrounding area**	10 foot pixel resolution	1:100,000	varies	USGS	TIF	30 x 60 minutes	\$10	\$500
Pennington County DRG and surrounding area**	25 foot pixel resolution	1:250,000	varies	USGS	TIF	1 x 2 degrees	\$8	\$400
Pennington County DRG SID	8 foot pixel resolution	1:24,000	varies	USGS	SID	county	\$50	\$50
Screen print	Color				8.5" x 11"		N/A	\$3
Screen print	Color				11" x 17"		N/A	\$6



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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. Also available in UTM, Zone 13, NAD27.

Pennington County DEM	varies, from 10 meter to 30 meter spacing	1:24,000	1999	USGS	Arc/INFO GRID	county	\$75	\$75
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USGS Digital Line Graphs

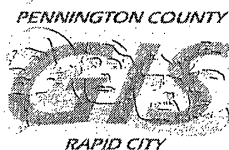
Digital contour data. Digital Line Graphs (DLG) are digitized USGS maps. A quadrangle is defined as a four-sided figure, bounded by parallels of latitude and meridians of longitude, used as an area unit in mapping. The dimensions are not necessarily the same in both directions. The map of such an area is termed a quadrangle map. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet. Also available in UTM, Zone 13, NAD27. "SID" represents MrSID compression format.

Pennington County DLG (west of Box Elder only)	varies, from 10 foot to 40 foot contours	1:24,000	1999	USGS	Arc/INFO e00 and ArcView shapefile	quadrangle	\$15	\$300
Pennington County DLG	50 meter contours	1:100,000	1999	USGS	Arc/INFO e00 and ArcView shapefile	county	N/A	\$75
Screen print	Black & white				8.5" x 11"		N/A	\$2
Screen print	Black & white				11" x 17"		N/A	\$4

USGS Digital Line Graphs

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. Also available in UTM, Zone 13, NAD27. "SID" represents MrSID compression format.

Pennington County DLG (west of Box Elder)		1:24,000	1999	USGS	Arc/INFO e00 and ArcView shapefile	one-half county	N/A	\$100
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Pennington County DLG		1:100,000	1999	USGS	Arc/INFO e00 and ArcView shapefile	county	N/A	\$50
Screen print	Black & white				8.5" x 11"		N/A	\$2
Screen print	Black & white				11" x 17"		N/A	\$4

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 ArcView shapefile	varies, up to one sq. mile	\$25	\$2,800
Urbanized Area	5 foot contours	1:4,800	April 2000	Surdex	Arc/INFO e00 and ArcView shapefile	varies, up to four sq. mile	\$25	\$825
Screen print	Black & white				8.5" x 11"		N/A	\$2
Screen print	Black & white				11" x 17"		N/A	\$4

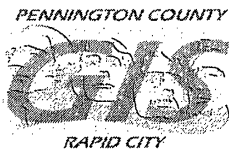
Q₃ Flood Data

Digital data. Q₃ Flood data includes 100- and 500-year flood plain (FEMA--Q3) and Wetlands (NWI).

The Q₃ flood data is for general guidance only and not for absolute delineations of 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 and ArcView shapefile	County	N/A	\$100
Pennington County	Color printed map			FEMA	8.5" x 11"	County	N/A	\$4
Pennington County	Color printed map			FEMA	11" x 17"	County	N/A	\$8
Pennington County	Color printed map			FEMA	17" x 22"	County	N/A	\$15
Pennington County	Color printed map			FEMA	22" x 34"	County	N/A	\$20
Pennington County	Color printed map			FEMA	34" x 44"	County	N/A	\$25



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Hydrology

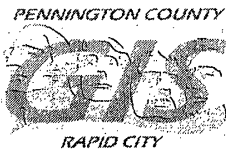
Digital data. Hydrology includes lakes, rivers and streams. Created from Orthophotography dated April 2000. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Rapid City	Rapid City Area Grid Directory	1:2,400	April 2000	Surdex	Arc/INFO e00 and ArcView shapefile	varies, up to 16 sq. miles	\$50	\$350
Urbanized Area	Rapid City Area Grid Directory	1:4,800	April 2000	Surdex	Arc/INFO e00 and ArcView shapefile	varies, up to four sq. mile	\$25	\$150

Public Utilities

Digital public utilities data. Public Utilities Map includes Rapid City storm sewer, sanitary sewer or water utility lines. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet. Each public utility map set includes approximately 25 sheets, 36 inch by 36 inch sheet size.

Rapid City Water, Sewer or Storm Sewer	Twp 20, 21, 37 and 38	<i>Data not yet available</i>			Arc/INFO e00 and ArcView shapefile	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
Water, Sewer or Storm Sewer	Color printed map			City Eng.	8.5" x 11"	Citywide	N/A	\$4
Water, Sewer or Storm Sewer	Color printed map			City Eng.	11" x 17"	Citywide	N/A	\$8
Water, Sewer or Storm Sewer	Color printed map			City Eng.	17" x 22"	Citywide	N/A	\$15
Water, Sewer or Storm Sewer	Color printed map			City Eng.	22" x 34"	Citywide	N/A	\$20
Water, Sewer or Storm Sewer	Color printed map			City Eng.	34" x 44"	Citywide	N/A	\$25



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Buildings

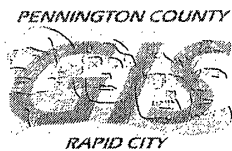
Digital data. Buildings include points for schools, churches, hospitals and fire station locations. Data projected to South Dakota State Plane, South Zone, NAD83, unit measurement in feet.

Rapid City	Twp 20, 21, 37 and 38	Data not yet available			Arc/INFO e00 and ArcView shapefile	Citywide	N/A	\$25
Rapid City	Color printed map	Data not yet available				Citywide	N/A	\$4
Rapid City	Color printed map	Data not yet available				Citywide	N/A	\$8
Rapid City	Color printed map	Data not yet available				Citywide	N/A	\$15
Rapid City	Color printed map	Data not yet available				Citywide	N/A	\$20
Rapid City	Color printed map	Data not yet available				Citywide	N/A	\$25

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. Dated April 2000.

Rapid City	Twp 20, 21, 37 and 38		April-00	County Auditor	Arc/INFO e00 and ArcView shapefile	Citywide	N/A	\$25
Pennington County	Twp 20, 21, 37 and 39		April-00	County Auditor	Arc/INFO e00 and ArcView shapefile	County	N/A	\$50
Rapid City	Color printed map		April-00	County Auditor	8.5" x 11"	Citywide	N/A	\$4
Rapid City	Color printed map		April-00	County Auditor	11" x 17"	Citywide	N/A	\$8
Rapid City	Color printed map		April-00	County Auditor	17" x 22"	Citywide	N/A	\$15
Rapid City	Color printed map		April-00	County Auditor	22" x 34"	Citywide	N/A	\$20
Rapid City	Color printed map		April-00	County Auditor	34" x 44"	Citywide	N/A	\$25
Pennington County	Color printed map		April-00	County Auditor	8.5" x 11"	County	N/A	\$4
Pennington County	Color printed map		April-00	County Auditor	11" x 17"	County	N/A	\$8



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Pennington County	Color printed map		April-00	County Auditor	17" x 22"	County	N/A	\$15
Pennington County	Color printed map		April-00	County Auditor	22" x 34"	County	N/A	\$20
Pennington County	Color printed map		April-00	County Auditor	34" x 44"	County	N/A	\$25

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	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	Arc/INFO and Arcview shapefile	Citywide	N/A	\$25
Rapid City	Color printed map	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	"	Citywide	N/A	\$4
Rapid City	Color printed map	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	"	Citywide	N/A	\$8
Rapid City	Color printed map	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	"	Citywide	N/A	\$15
Rapid City	Color printed map	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	"	Citywide	N/A	\$20
Rapid City	Color printed map	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	"	Citywide	N/A	\$25

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	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	Arc/INFO and Arcview shapefile	Citywide	N/A	\$25
Rapid City	Color printed map	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	"	Citywide	N/A	\$4
Rapid City	Color printed map	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	"	Citywide	N/A	\$8
Rapid City	Color printed map	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	"	Citywide	N/A	\$15
Rapid City	Color printed map	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	"	Citywide	N/A	\$20
Rapid City	Color printed map	<i>Data not yet available</i>	<i>Data not yet available</i>	<i>Data not yet available</i>	"	Citywide	N/A	\$25



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Line Map

Line 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 Map is approximately 36 inches by 48 inches, dated January, 2001.

Rapid City	Blueline				36" x 44"	Citywide	N/A	\$10
Pennington County	Color printed map				36" x 48"	County	N/A	\$25

General Planning Map

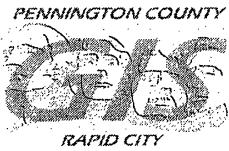
General planning maps show major roads, railroads, and Rapid City boundaries. The map covers approximately 103 square miles of land. Dated May 2001.

Rapid City	B & W				8.5" x 11"	Citywide	N/A	\$4
Rapid City	B & W				11" x 17"	Citywide	N/A	\$8
Rapid City	B & W				17" x 22"	Citywide	N/A	\$15
Rapid City	B & W				22" x 34"	Citywide	N/A	\$20
Rapid City	B & W				34" x 44"	Citywide	N/A	\$25

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. Dated January 2000.

Rapid City	Twp 20, 21, 37 and 38	Data not yet available			Arc/INFO e03 and Arcview shapefile	Citywide	N/A	\$25
Pennington County	Twp 20, 21, 37 and 39	Data not yet available			Arc/INFO County and Planning Arcview shapefile	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



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Parcel Map

The Parcel map shows the interior lot line and tract delineation. Map is 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 product that has already been presented at any public meeting or any pre-existing map product that does not request 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 Products

Any product not listed above will be considered a special request and charged a minimum 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
Heavy Bond	\$12	\$15	\$18	\$22	\$28
Mylar	\$15	\$18	\$22	\$25	\$30