



FPAC-ISD-441A
(01-25-22)

Farm Production and Conservation-Business Center
Geospatial Enterprise Operations

PRICES FOR GEOSPATIAL PRODUCTS AND SERVICES

Prices Effective October 1, 2021

Prices are subject to change. Prices listed are for items most frequently requested.

| DIGITAL DATA & IMAGERY (SOFTCOPY) | | | PHOTOGRAPHY (SOFTCOPY) | | |
|---|------------|--------------|--|-------------------|--------------|
| COMPRESSED COUNTY MOSAICS (CCM) | | | BLACK & WHITE NEGATIVE (BW) | | |
| QUARTER QUADS (QQ) | | | COLOR NEGATIVE (CN) | | |
| GEOSPATIAL DATA | | | COLOR & COLOR INFRARED POSITIVE (CP/CIRP) | | |
| HISTORICAL IMAGES & INDEXES | | | | | |
| MEDIA (File Size Range) | QTY | PRICE | SIZE | PRODUCT | PRICE |
| Data Transfer – Per 20 GB | 1 | \$10.00 | 10" x 10" | Image Scan** | \$13.00 |
| 1 TB HD (260 GB to 930 GB) | 1 | \$133.50 | PHOTOGRAPHY (HARDCOPY) | | |
| 2 TB HD (0.93 TB to 1.86 TB) | 1 | \$163.50 | 10" x 10" | Print | \$15.00 |
| 4 TB HD (1.86 TB to 3.72 TB) | 1 | \$198.50 | 20" x 20" | Print | \$36.00 |
| 8 TB HD (3.72 TB to 7.44 TB) | 1 | \$323.50 | 20" x 20" | Metallic Print*** | \$50.00 |
| 16 TB HD (7.44 TB to 14.88 TB) | 1 | \$578.50 | 20" x 24" | Print | \$40.00 |
| <ul style="list-style-type: none"> - Data transfer is available up to 260 GB for \$10.00 per 20 GB of data. - Flash drive or DVD media may be ordered upon availability. - Prices and availability are subject to change according to market supply and demand. - USDA GEO encourages digital transfer to reduce environmental impact of natural resources. | | | 20" x 24" | Metallic Print*** | \$55.00 |
| | | | 24" x 24" | Print | \$44.00 |
| | | | 24" x 24" | Metallic Print*** | \$60.00 |
| | | | 30" x 30" | Print | \$57.00 |
| | | | 30" x 30" | Metallic Print*** | \$70.00 |
| | | | 30" x 40" | Print | \$65.00 |
| | | | 30" x 40" | Metallic Print*** | \$80.00 |

MEDIA TYPES & PRODUCT FILE SIZES

DVD - Digital Versatile Disc / FD - Flash Drive (USB) / HD - Hard Drive
 Average QQ File Sizes: 60cm 4 Band = 485 MB / 1m 4 Band = 190 MB / 1m 3 Band = 145 MB / 2m 3 Band = 45 MB
 CCM 3 Band File Size Ranges: 60cm and 1m = Up to 20 GB / 2m = Up to 1.49 GB
 Electronic delivery provided unless otherwise specified or total product(s) require larger file size capacity media such as hard drives.* Full State or County QQ and CCM file sizes can be determined from the [Imagery Catalogs](#).

ORDERING INFORMATION

| | |
|---|--|
| Designate PRODUCT SIZE and/or TYPE on order form FPAC-ISD-441 . Refer to Ordering Instructions . For example: 10" x 10" Image Scan / 10" x 10" Print 24" x 24" Metallic Print Compressed County Mosaic Quarter Quad | PAYMENT Prepayment is required. We accept Credit Cards. Make checks or money orders payable to: USDA FPAC-BC . Purchase orders are accepted from tax-supported agencies. No COD's |
| | SHIPMENT We ship the most economical method. No COD's. Shipping costs are included in the price of the product. |

- * Data or electronic transfer is the standard delivery method up to 20 GB with flash or hard drive media used for larger file size orders.
 - ** Image Scan - Standard resolution at 12.5 microns (2136 dpi) in tagged image file format (.tif). Quantity discounts upon eligibility.
 - *** Metallic Print - Provides silver luster to enhance colors. Can be used to write and wipe with dry erase marker only.
- For special needs not covered elsewhere on this form, contact us directly. Additional fees may apply.*

| | |
|--|---|
| Address Order for Product or Request for Information to: CUSTOMER SERVICES USDA FPAC-BC GEOSPATIAL ENTERPRISE OPERATIONS 125 SOUTH STATE STREET SUITE 6416 SALT LAKE CITY UT 84138-1102 | TELEPHONE: 801-844-2922 FAX: 855-415-2014 E-MAIL: GEO.Sales@usda.gov WEBSITE: USDA GEO Website |
|--|---|

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident.

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To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at http://www.ascr.usda.gov/complaint_filing_cust.html and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: (1) mail: U.S. Department of Agriculture Office of the Assistant Secretary for Civil Rights 1400 Independence Avenue, SW Washington, D.C. 20250-9410; (2) fax: (202) 690-7442; or (3) email: program.intake@usda.gov. USDA is an equal opportunity provider, employer, and lender.

| PROGRAM AVAILABILITY & IMAGERY TYPE | | | |
|-------------------------------------|----------------------|----------------|--------------------------|
| PROGRAMS | SCALE OF PHOTOGRAPHY | DATE RANGE | IMAGERY TYPE |
| NAIP | 1:40,000 – 1:60,000 | 2003 – Present | COLOR & CIR |
| NAPP | 1:40,000 | 1987 – 2006 | BW & CIR |
| NHAP | 1:60,000 | 1980 - 1987 | CIR |
| FSA & NRCS | 1:40,000 | 1970 – Present | BW |
| FSA & NRCS | 1:20,000 | 1955-1970 | BW |
| FS | Various | 1955 – Present | BW / COLOR CIR / MISC |

BW-Black & White COLOR-Natural Color CIR-Color Infrared MISC-Other

| ORIGINAL FILM FORMAT & SCALES | | |
|---|----------------------------|----------------------------------|
| 10" X10" Image Scan - Direct copies from the full frame. Not available as sectionals or with scale accuracy. | | |
| APPROXIMATE SCALES OF ORIGINAL PHOTOGRAPHY | | DISTANCE ALONG ONE SIDE OF PHOTO |
| FRACTIONAL SCALE | 10" X 10" SCALES FEET/INCH | |
| 1:20,000 | 1667 | 2.84 miles |
| 1:40,000 | 3333 | 5.68 miles |
| 1:60,000 | 5000 | 8.52 miles |

METHODS FOR DETERMINING COVERAGE & IDENTIFICATION

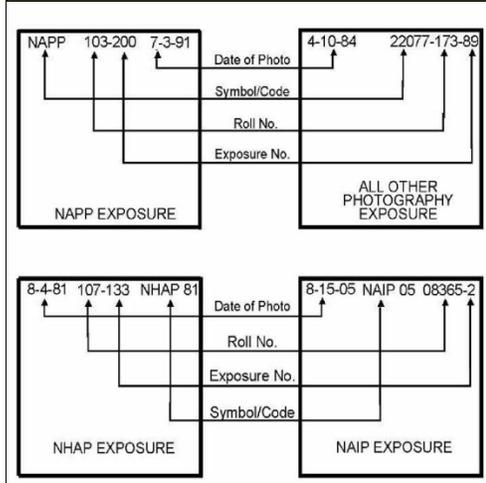
You may request available digital photo indexes or shapefiles to determine or select aerial imagery identification frame number and date.

IMAGERY SCAN RESOLUTIONS

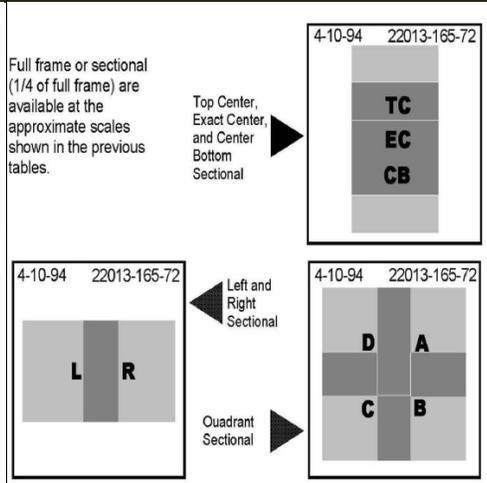
| GROUND SAMPLE DISTANCE (GSD) IN FEET & METERS | | | | | | |
|---|---------------|---------------|---------------|---------------|---------------|---------------|
| MICRONS DPI | 12.5 2136 | 15 1700 | 17.5 1515 | 20 1282 | 25 1016 | 50 508 |
| Film Scale | feet meters |
| 1:60,000 | 2.34 0.71 | 2.94 0.91 | 3.30 1.02 | 3.90 1.19 | 4.92 1.52 | 9.84 3.04 |
| 1:48,000 | 1.87 0.57 | 2.35 0.73 | 2.64 0.81 | 3.12 0.95 | 3.94 1.21 | 7.87 2.43 |
| 1:40,000 | 1.56 0.48 | 1.96 0.60 | 2.20 0.68 | 2.60 0.79 | 3.28 1.01 | 6.56 2.02 |
| 1:24,000 | 0.94 0.29 | 1.18 0.36 | 1.32 0.41 | 1.56 0.48 | 1.97 0.61 | 3.94 1.21 |
| 1:20,000 | 0.78 0.24 | 0.98 0.30 | 1.10 0.34 | 1.30 0.40 | 1.64 0.51 | 3.28 1.01 |
| 1:15,840 | 0.62 0.19 | 0.78 0.24 | 0.87 0.27 | 1.03 0.31 | 1.30 0.40 | 2.60 0.80 |
| 1:12,000 | 0.47 0.14 | 0.59 0.18 | 0.66 0.20 | 0.78 0.24 | 0.98 0.30 | 1.97 0.61 |
| 1:10,000 | 0.39 0.12 | 0.49 0.15 | 0.55 0.17 | 0.65 0.20 | 0.82 0.25 | 1.64 0.51 |

Use the following formulas for resolutions and ground sample distance not shown.
 Dots Per Inch (DPI) Formula: $1/(X \text{ microns}/1,000,000 * 39.37) = X \text{ DPI}$
 Example: $20 \text{ microns}/1,000,000 = 0.00002 * 39.37 = 0.00078$
 $1/0.00078 = 1282 \text{ DPI}$
 Ground Sample Distance (GSD) Formula: $\text{Scale of Photography}/\text{DPI}/\text{Feet}$
 Example: $60,000/2136 = 28.08/12 = 2.34'$ $2.3' * 0.3048 = 0.71 \text{ meters}$

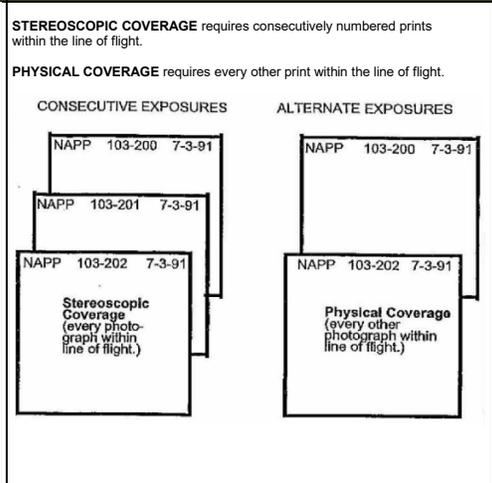
EXAMPLES OF FILM EDITING



ENLARGEMENTS



COVERAGE TYPES



ENLARGEMENT SCALES

Enlargements are reproduced from Image Scans or Quarter Quad (QQ) digital imagery and scales will be approximate. Custom photos are available with map layers added to the imagery such as topography, transportation, and public land survey (see [FPAC-ISD-441B](#)). Labor charges may apply. You may visit the [Digital Photo Scale Viewer](#) to see illustrations of various enlargement size coverage and scales.

| PRINT SIZE | ENLARGEMNT FACTOR | TYPICAL SCALE | 2011 NAIP Index | 2011 NAIP QQ | 1982 Photo Index | 1958 Film Frame |
|------------|-------------------|-------------------|-----------------|--------------|------------------|-----------------|
| 20" x 20" | 2x to 10x | 2500"/" to 165"/" | | | | |
| 20" x 24" | 2x to 10x | 2500"/" to 165"/" | | | | |
| 24" x 24" | 2.5x to 10x | 2000"/" to 165"/" | | | | |
| 30" x 30" | 3x to 10x | 1650"/" to 165"/" | | | | |
| 30" x 40" | 3x to 10x | 1650"/" to 165"/" | | | | |