



USGS Earth Resources Observation and Science (EROS) Center

Records Management Report

June 2017

Records Management Report

June 2017

Questions or comments concerning data holdings referenced in this report may be directed to:

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Land Remote Sensing

Aircraft Sources

| Film Holdings | Date Range | Rolls | Frames | Monthly Change | |
|--|----------------|---------------|------------------|----------------|------------|
| | | | | Rolls | Frames |
| Department of Interior | | | | | |
| USGS | May-39 Present | 5,300 | 797,317 | | |
| National Aerial Photography Program | Jan-87 Apr-08 | 9,377 | 1,775,506 | | |
| Urban Areas | Feb-02 Oct-09 | 577 | 91,324 | | |
| NAPP BW (from CIR) | Jun-87 Mar-96 | 2,427 | 326,639 | | |
| National High-Altitude Photography | Jan-81 Aug-89 | 2,932 | 511,039 | | |
| Bureau of Land Management | Aug-43 Oct-02 | 598 | 119,457 | 0 | -11 |
| Bureau of Reclamation | Mar-39 Nov-76 | 583 | 116,685 | | |
| National Park Service | Mar-57 Mar-90 | 533 | 41,422 | | |
| South Dakota State University | Jan-71 Jun-72 | 3 | 154 | | |
| EROS Acquired | Oct-37 Apr-97 | 12,478 | 132,601 | | |
| McDonnell Douglas | Jun-56 Jul-75 | 856 | 194,432 | | |
| Scientific Committee on Antarctic Research | Dec-46 Dec-03 | 0 | 0 | | |
| AHAP JSC | Jun-72 Sep-80 | 93 | 19,278 | | |
| AHAP AMES | Oct-76 Sep-86 | 221 | 43,178 | | |
| Total | | 35,978 | 4,169,032 | 0 | -11 |
| Department of Defense | | | | | |
| Army Map Service | Dec-42 Feb-76 | 1,795 | 209,753 | | |
| U.S. Air Force | Dec-40 Oct-80 | 3,200 | 293,041 | | |
| U.S. Navy | Jan-48 Mar-72 | 1,079 | 133,881 | | |
| Corp of Engineers | Apr-69 Apr-89 | 196 | 25,138 | | |
| Total | | 6,270 | 661,813 | 0 | 0 |
| NASA | | | | | |
| Ames Research Center | Aug-71 Apr-02 | 5,149 | 597,544 | | |
| Johnson Space Center | Jul-69 Jun-82 | 7,560 | 1,164,231 | | |
| Wallops Island | Apr-70 Dec-77 | 839 | 65,991 | | |
| Stennis | Dec-73 Dec-73 | 1 | 306 | | |
| Kennedy Space Center | Oct-72 Aug-76 | 225 | 13,247 | | |
| Marshall Space Flight Center | May-72 Jun-75 | 41 | 7,721 | | |
| Total | | 13,815 | 1,849,040 | 0 | 0 |
| GRAND TOTAL AIRCRAFT FILM HOLDINGS | | 56,063 | 6,679,885 | 0 | -11 |

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Land Remote Sensing Aircraft Sources

| Digital Holdings | Date Range | Tapes | Granules | Files | Monthly Change | |
|--|----------------|--------------|------------------|----------|----------------|---------------|
| | | | | | Tapes | Granules |
| USGS | | | | | | |
| TMS/NS001 TM/TIMS | Aug-82 Sep-95 | 1,723 | unattainable | | | |
| Side Looking Airborne Radar | Jul-80 Sep-96 | 3,526 | 2,981 | | | |
| National Park Service | Feb-79 Sep-03 | 94 | unattainable | | | |
| TMS/NS001 TM/TIMS Reformatted | Aug-82 Sep-95 | 1,795 | 7,304 | | | |
| Advanced Solid-State Array Sensor | Jun-88 Mar-94 | 166 | 162 | | | |
| MODIS/ASTER Airborne Simulator (Master) | Dec-98 TBD | N/A | 2,935 | | | |
| Aerial Photography Scans | Apr-37 May-12 | N/A | 4,572,205 | | | 19,659 |
| NAPP Photography Scans | Apr-88 Feb-07 | N/A | 31,876 | | | |
| NHAP Photography Scans | Apr-81 Apr-82 | N/A | 157,274 | | | 1,421 |
| High Resolution Ortho Native Format | Nov-08 Present | N/A | 3,685,812 | | | 16,169 |
| Total | | 7,304 | 8,460,549 | 0 | 0 | 37,249 |
| GRAND TOTAL AIRCRAFT DIGITAL HOLDINGS | | 7,304 | 8,460,549 | 0 | 0 | 37,249 |

Land Remote Sensing Satellite Sources

| Film Holdings | Date Range | Rolls | Frames | Monthly Change | |
|---|---------------|---------------|------------------|----------------|------------|
| | | | | Rolls | Frames |
| Skylab | May-73 Feb-74 | 621 | 50,554 | | |
| Gemini | Jun-65 Nov-66 | 45 | 2,447 | | |
| Large Format Camera | Oct-84 Oct-84 | 8 | 2,139 | | |
| Declassification I (CORONA, ARGON, LANYARD) | Jul-60 May-72 | 17,391 | 945,681 | | |
| Declassification II (KH-7, KH-9) | Jul-63 Oct-80 | 4,983 | 46,954 | | |
| Declassification III (HEXAGON KH-9) | Jun-71 Oct-84 | 3,323 | 40,255 | 84 | 563 |
| Landsat MSS 70-mm | Jul-72 Sep-78 | 7,705 | 1,342,187 | | |
| Landsat MSS 9-inch | Mar-78 Oct-92 | 10,628 | 1,338,195 | | |
| Landsat TM 9-inch | Aug-82 May-88 | 2,924 | 175,665 | | |
| Landsat RBV 70-mm | Jul-72 Mar-83 | unattainable | 137,870 | | |
| Total | | 47,628 | 4,081,947 | 84 | 563 |
| GRAND TOTAL SATELLITE FILM HOLDINGS | | 47,628 | 4,081,947 | 84 | 563 |

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Land Remote Sensing Satellite Sources

| USGS Digital Holdings | Date Range | | Tapes | Granules | Monthly Change | |
|---|------------|---------|---------------|------------------|----------------|---------------|
| | | | | | Tapes | Scenes |
| 1 Advanced Very-High Resolution Radiometer | | | | | | |
| EDC-HRPT Data (Direct and FTP) | Sep-81 | Present | unattainable | 138,139 | | 237 |
| LAC Data Received via FTP | Feb-80 | Present | unattainable | 174,899 | | 483 |
| NASA Landsat Data Collection - AVHRR 1-KM Orbital Segment | Apr-92 | Sep-99 | TBD | 32,008 | | |
| Data Received from Other Sources | Jul-97 | Present | unattainable | 169,189 | | 29 |
| Total | | | 377 | 514,235 | -15 | 749 |
| Shuttle Imaging Radar-C Digital Data | | | | | | |
| Precision Processed | Apr-94 | Oct-94 | 1,559 | 19,402 | | |
| Precision Unprocessed | Apr-94 | Oct-94 | 304 | 26,190 | | |
| Survey Data CD-ROMs | Apr-94 | Oct-94 | 125 | 125 | | |
| Educational CD-ROMs | Apr-94 | Oct-94 | 1 | unattainable | | |
| Total | | | 1,989 | 45,717 | 0 | 0 |
| Shuttle Radar Topography Mission | | | | | | |
| SRTM DTED@ Level 1 | Feb-02 | Feb-02 | 13 | 14,277 | | |
| SRTM DTED@ Level 2 | Feb-02 | Feb-02 | 7 | 1,139 | | |
| Total | | | 20 | 15,416 | 0 | 0 |
| Landsat | | | | | | |
| ⁴ Landsat MSS | Jul-72 | Oct-92 | unattainable | 1,302,230 | | 1,941 |
| ⁵ Landsat TM | Sep-82 | May-12 | unattainable | 2,388,648 | | 4,465 |
| Landsat ETM+ | Jun-99 | Present | unattainable | 2,328,457 | | 15,656 |
| Landsat OLI | Apr-13 | Present | unattainable | 4,069 | | |
| Landsat TIRS | Apr-13 | Present | unattainable | 3,342 | | |
| Landsat OLI/TIRS | Apr-13 | Present | unattainable | 1,014,908 | | 19,833 |
| Total | | | 0 | 7,041,654 | 0 | 41,895 |
| Landsat Pathfinder | | | | | | |
| Global Land Cover Test Sites | Jul-72 | Oct-03 | NA | 3 | | |
| NLDC - CEES-TM | Jul-72 | Oct-03 | 295 | 99 | | |
| NLDC - GLDC | Jul-72 | Oct-03 | 1,470 | 290 | | |
| NLDC - HTFP-TM (unprocessed) | Jul-72 | Oct-03 | 1,743 | 886 | | |
| NLDC - HTFP-MSS (unprocessed) | Jul-72 | Oct-03 | 1,318 | 1,318 | | |
| NLDC - HTFP-TM (processed) | Jul-72 | Oct-03 | 2,343 | 844 | | |
| NLDC - HTFP-MSS (processed) | Jul-72 | Oct-03 | 820 | 820 | | |
| NLDC | Jul-72 | Oct-03 | 2,956 | 2,627 | | |
| North American Landscape Characterization | Jul-72 | Apr-92 | 2,675 | 2,675 | | |
| Total | | | 13,620 | 9,562 | 0 | 0 |
| Tri-Decal Landsat Orthoimagery | | | | | | |
| MSS Scene-based | Jul-72 | Jul-87 | TBD | 7,542 | | |
| TM Scene-based | Apr-84 | Nov-97 | TBD | 7,106 | | |
| ETM+ Scene-based | Jun-99 | Jan-03 | TBD | 8,756 | | |
| ETM+ Pansharpened Scene-based | Jun-99 | Jan-03 | TBD | 8,767 | | |
| TM Uncompressed Mosaics | Apr-84 | Nov-97 | TBD | 494 | | |
| ETM+ Pansharpened Uncompressed Mosaics | Jun-99 | Jan-03 | TBD | 2,489 | | |
| Total | | | TBD | 35,154 | 0 | 0 |
| Global Land Surveys | | | | | | |
| GLS 1975 | Jul-72 | Jul-87 | N/A | 7592 | | |
| GLS 1990 | Apr-84 | Nov-97 | N/A | 7375 | | |
| GLS 2000 | Jun-99 | Jan-03 | N/A | 8756 | | |
| GLS 2005 | Jul-03 | Jul-08 | N/A | 9718 | | |
| GLS 2005 Islands (EO-1) | Jan-04 | May-08 | N/A | 555 | | |
| GLS 2010 | Nov-08 | Jan-12 | N/A | 8555 | | |
| GLS 2010 Islands (EO-1) | Jan-09 | Dec-11 | N/A | 445 | | |
| Total | | | 0 | 42,996 | 0 | 0 |

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Land Remote Sensing Satellite Sources

| | Date Range | Tapes | Granules | Monthly Change | |
|--|----------------|---------------|------------------|----------------|---------------|
| | | | | Tapes | Scenes |
| Scanned Satellite Film | | | | | |
| Declassification I (CORONA, ARGON, LANYARD) | Jul-60 May-72 | Unattainable | 24,002 | | 74 |
| Declassification II (KH-7, KH-9) | Jul-63 Oct-80 | Unattainable | 2,983 | | 16 |
| Declassification III (HEXAGON KH-9) | Jul-82 Feb-83 | Unattainable | 191 | | 12 |
| Large Format Camera | Oct-84 Oct-84 | Unattainable | 2,139 | | |
| Skylab | May-73 Feb-74 | Unattainable | 1,467 | | |
| Total Scanned Satellite Film | | 0 | 30,782 | 0 | 102 |
| Other Source | | | | | |
| ² TM Scrounge | Jul-82 Feb-83 | 933 | 933 | | |
| USGS Purchased SPOT | Jun-86 Dec-98 | 896 | 941,945 | | |
| USGS Purchased AF/SPOTVIEW | 1994 1996 | 59 | 1,029 | | |
| SPOT4 North American Data Buy | Nov-09 Jan-13 | N/A | 145,668 | | |
| SPOT5 North American Data Buy | Nov-09 Jun-13 | N/A | 117,055 | | |
| Earth Observation EO-1 ALI | Nov-00 Present | Unattainable | 91,613 | | |
| Earth Observation EO-1 Hyperion | Nov-00 Present | Unattainable | 91,398 | | |
| ASF PALSAR Radar Consortium Data Pool | Feb-06 Present | NA | 563,230 | | |
| Heat Capacity Mapping Mission Film Scanned | Apr-78 Sep-80 | TBD | 48,133 | | |
| Heat Capacity Mapping Mission Digital Source | Apr-78 Sep-80 | TBD | 2,697 | | |
| Global Land Cover Characterization v.1 and v.2 | Apr-92 Mar-93 | TBD | 25 | | |
| ³ GeoEye OrbView-3 | Sep-03 Mar-07 | NA | 179,981 | | |
| Total Other Source | | 1,888 | 2,183,707 | 0 | 0 |
| TOTAL USGS SATELLITE DIGITAL HOLDINGS | | 17,894 | 9,919,223 | -15 | 42,746 |

Land Remote Sensing Satellite Sources

| | Date Range | Tapes | Granules | Monthly Change | |
|---|----------------|---------------|--------------------|----------------|------------------|
| | | | | Tapes | Scenes |
| LPDAAC Digital Holdings | | | | | |
| Sample Landsat ETM+ | | | | | |
| Level 1R Sample Data | TBD TBD | TBD | 10 | | |
| Sample Data | TBD TBD | TBD | 35 | | |
| Total | | 0 | 45 | 0 | 0 |
| TERRA & AQUA Satellites | | | | | |
| ASTER - TERRA | May-01 Present | TBD | 7,991,522 | | 45,479 |
| MODIS - TERRA/AQUA/TERRA+AQUA | Jan-01 Present | TBD | 89,595,880 | | 1,959,562 |
| Total | | 0 | 97,587,402 | 0 | 2,005,041 |
| TOTAL LPDAAC DIGITAL HOLDINGS | | 0 | 97,587,437 | 0 | 2,005,041 |
| Other Satellite Sources | | | | | |
| Sentinel-2 | Feb-16 Present | NA | 1,762,603 | | 142,094 |
| Indian Space Research Organisation | Dec-16 Present | NA | 22,439 | | 2,265 |
| Total Other Satellite Source | | 0 | 1,785,042 | 0 | 144,359 |
| GRAND TOTAL SATELLITE DIGITAL HOLDINGS | | 17,894 | 109,291,702 | -15 | 2,192,146 |

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National Geospatial Program Office Cartographic and Topographic Source

| | <u>Date Range</u> | <u>Quads</u> | <u>Products</u> | <u>Quad Change</u> | <u>Product Change</u> |
|--|-------------------|---------------|------------------|--------------------|-----------------------|
| Digital Holdings | | | | | |
| Digital Elevation Model | | | | | |
| 15 Minute | May-89 Jul-03 | 2,886 | 3,669 | | |
| 2 Arc Second (30 Minute) | Jun-95 Apr-00 | 779 | 792 | | |
| 1:250K | Jun-95 Apr-00 | N/A | 1,381 | | |
| Total | | 3,665 | 5,842 | 0 | 0 |
| Digital Line Graph | | | | | |
| 7.5 minute (including 7.5 minute Core) | Jul-80 Jun-05 | 37,317 | 176,918 | | |
| 15 minute | Sep-80 Jul-03 | 2,832 | 6,095 | | |
| 1:100K | Jun-87 Present | 1,842 | 11,650 | | |
| 1:2 Million | Dec-67 Jan-90 | 49 | 225 | | |
| Total | | 42,040 | 194,888 | 0 | 0 |
| Digital Orthophoto Quad | | | | | |
| Quarter Quad (3.75 minute) B/W | Dec-97 Jul-09 | N/A | 205,201 | | |
| Quarter Quad (3.75 minute) CIR | Dec-97 Dec-09 | N/A | 74,776 | | |
| Quarter Quad (3.75 minute) Natural Color | Sep-00 Oct-05 | N/A | 775 | | |
| Full Quad (7.5 Minute) B/W | Feb-99 Sep-05 | 0 | 2,800 | | |
| Full Quad (7.5 Minute) AK B/W | Apr-99 Sep-02 | N/A | 318 | | |
| Full Quad (7.5 Minute) AK CIR | Jun-03 Jun-06 | N/A | 263 | | |
| Full Quad (7.5 Minute) Natural Color | Dec-03 Jan-04 | N/A | 33 | | |
| Total | | 0 | 284,166 | 0 | 0 |
| Digital Raster Graphic | | | | | |
| 7.5 Minute | Dec-96 Jul-04 | N/A | 52,336 | | |
| 7.5 Minute Forest Service | Jan-02 May-03 | N/A | 210 | | |
| 7.5 Minute Orthophoto | Dec-96 Nov-02 | N/A | 499 | | |
| 7.5 Minute Orthophoto (w/o Imagery) | Jan-97 Feb-97 | N/A | 213 | | |
| 7.5 x 15 Minute | Dec-96 Feb-03 | N/A | 253 | | |
| 15 Minute | Aug-97 Sep-01 | N/A | 2,808 | | |
| 30 x 60 Minute | Dec-96 May-03 | N/A | 1,769 | | |
| 1 x 2 Degree | Dec-96 Nov-01 | N/A | 606 | | |
| 1 x 3 Degree | Aug-97 Apr-98 | N/A | 108 | | |
| 1 x 4 Degree | Sep-97 Sep-97 | N/A | 2 | | |
| 2 x 1 Degree | Dec-96 Mar-97 | N/A | 3 | | |
| 4 x 20 Degree | Oct-99 Oct-99 | N/A | 1 | | |
| 4 x 28 Degree | Oct-99 Oct-99 | N/A | 1 | | |
| Antarctica | Jan-00 Jan-00 | N/A | 2 | | |
| Total | | 0 | 58,811 | 0 | 0 |
| High Resolution Ortho Rectified Images | | | | | |
| High Resolution Ortho Standard Format | Nov-08 Present | N/A | 4,887,412 | | |
| Total | | 0 | 4,887,412 | 0 | 0 |
| Other Source | | | | | |
| Global 30 Arc Second Elevation Digital Data | 1996 1996 | TBD | 34 | | |
| HYDRO1K Elevation | Apr-96 Sep-01 | TBD | 6 | | |
| National Atlas Digital Data | Jul-98 Jul-07 | N/A | 886 | | |
| LIDAR | Jan-00 Present | N/A | 852,632 | | 12,808 |
| Total Other Source | | 0 | 853,558 | 0 | 12,808 |
| TOTAL CARTOGRAPHIC AND TOPOGRAPHIC DIGITAL HOLDINGS | | 45,705 | 6,284,677 | 0 | 12,808 |

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Geographic Analysis and Monitoring

| Digital Holding | <u>Date Range</u> | | <u>Quads</u> | <u>Products</u> | <u>Quad Change</u> | <u>Product Change</u> |
|--|-------------------|--------|--------------|-----------------|--------------------|-----------------------|
| Land Use / Land Cover | | | | | | |
| 1:100K Scale | Apr-83 | Mar-92 | N/A | 269 | | |
| 1:250K Scale | Apr-81 | Mar-92 | N/A | 2,495 | | |
| Total | | | 0 | 2,764 | 0 | 0 |
| | | | <u>Tapes</u> | <u>Granules</u> | <u>Tape Change</u> | <u>Scene Change</u> |
| Multi-Resolution Land Characteristics | | | | | | |
| Basic or Raw | Jun-84 | May-99 | N/A | 1,476 | | |
| Preprocessed | Jun-84 | May-99 | N/A | 1,415 | | |
| Terrain Corrected | Feb-91 | May-94 | N/A | 901 | | |
| GAP Contributed | Feb-91 | May-99 | N/A | 10 | | |
| DEM | Feb-91 | May-94 | N/A | 900 | | |
| Multitemporal | Jun-84 | May-99 | N/A | 1,703 | | |
| Clustered | Jun-84 | May-99 | N/A | 3,425 | | |
| 1-KM MRLC Composites | Aug-91 | Mar-93 | N/A | 360 | | |
| Total | | | 0 | 10,190 | 0 | 0 |
| TOTAL DIGITAL HOLDINGS | | | 0 | 12,954 | 0 | 0 |

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Footnotes

- ¹ Unable to get accurate individual tape counts, but total volume count is attainable.
- ² Disposition activities resulted in FOLD being re-named to TM SCROUNGE.
- ³ Data consists of mini-swaths. Each mini-swath contains an average of three scenes.
- ⁴ Landsat MSS increased due to ingest of Landsat Global Archive Consolidation data from other ground stations.
- ⁵ Landsat TM increased due to ingest of Landsat Global Archive Consolidation data from other ground stations.

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| USGS DIGITAL DATA TOTALS AND SIZE | | | | | |
|--|-------------|---------------------------------------|---------------------------------|--------------------|-----------------------------------|
| DATA SET | SOURCE | ARCHIVE LOCATION Primary/Secondary | AVERAGE GRANULE SIZE (BYTES) | NUMBER OF GRANULES | TOTAL SIZE - ALL GRANULES (BYTES) |
| LAND REMOTE SENSING | | | | | |
| AERIAL DATA | | | | | |
| Airborne Digital Data | | | | | |
| TMS/NS001 TM/TIMS | NASA | EROS | 29,285,000 | 7,304 | 213,897,640,000 |
| Advanced Solid-State Array Sensor | NASA | EROS | 134,285,000 | 162 | 21,754,170,000 |
| MODIS/ASTER Airborne Simulator (Master) | NASA | EROS | 706,997,347 | 2,935 | 2,075,037,213,445 |
| Side Looking Airborne Radar | USGS | EROS | 34,775,050 | 2,981 | 103,664,424,050 |
| SATELLITE DIGITAL DATA | | | | | |
| LPDAAC Digital Data | | | | | |
| Level 1R Sample Data | USGS | EROS | 1,300,000,000 | 10 | 13,000,000,000 |
| Sample Data | USGS | EROS | 500,000,000 | 35 | 17,500,000,000 |
| ASTER - TERRA | NASA | NASA/EROS | 105,100,000 | 7,991,522 | 839,908,962,200,000 |
| MODIS - TERRA/AQUA | NASA | NASA/EROS | 120,400,000 | 89,595,880 | 10,787,343,952,000,000 |
| AVHRR Digital Data | | | | | |
| EDC-HRPT Data (Direct and FTP) | NOAA | NOAA/EROS | 54,500,000 | 138,139 | 7,528,575,500,000 |
| AVHRR 1-KM Orbital Segment | USGS | EROS | 148,300,000 | 32,008 | 4,746,786,400,000 |
| LAC Data Received via FTP | NOAA | NOAA/EROS | 54,500,000 | 174,899 | 9,531,995,500,000 |
| Data Received from Other Sources | NOAA | NOAA/EROS | 54,500,000 | 169,189 | 9,220,800,500,000 |
| Shuttle Imaging Radar-C Digital Data | | | | | |
| SIR-C Precision Processed | USGS | EROS | 171,610,000 | 19,402 | 3,329,577,220,000 |
| Shuttle Radar Topography Mission Digital Data | | | | | |
| SRTM DTED® Data Level 1 | USGS | EROS | 2,655,000 | 14,277 | 37,905,435,000 |
| SRTM DTED® Data Level 2 | USGS | EROS | 24,488,000 | 1,139 | 27,891,832,000 |
| Other Source Digital Data | | | | | |
| TM Scrounge | USGS | EROS | TBD | 933 | TBD |
| SPOT | USGS | EROS | 33,890,514 | 941,945 | 31,923,000,209,730 |
| Spotview | USGS | EROS | TBD | 1,029 | TBD |
| Earth Observation EO-1 ALI | USGS | EROS | 225,300,000 | 91,613 | 20,640,408,900,000 |
| Earth Observation EO-1 Hyperion | USGS | EROS | 608,400,000 | 91,398 | 55,606,543,200,000 |
| ASF PALSAR Radar Consortium Data Pool | USGS | ASF | 566,406,315 | 563,230 | 319,017,028,797,450 |
| Global Land Cover Characterization v.1 and v.2 | USGS | EROS | 2,427,571,000 | 25 | 60,689,275,000 |
| Declassification I (CORONA, ARGON, LANYARD) | USGS | EROS | 1,380,000,000 | 24,002 | 33,122,760,000,000 |
| Declassification II (KH-7, KH-9) | USGS | EROS | 2,870,000,000 | 2,983 | 8,561,210,000,000 |
| Declassification III (HEXAGON KH-9) | USGS | EROS | 4,300,000,000 | 191 | 821,300,000,000 |
| Large Format Camera | USGS | EROS | 310,540,000 | 2,139 | 664,245,060,000 |
| Skylab | USGS | EROS | 46,418,000 | 1,467 | 68,095,206,000 |
| Sentinel-2 | ESA | ESA/EROS | 456,000,000 | 1,762,603 | 803,746,968,000,000 |
| Indian Space Research Organisation | ISRO | ISRO/EROS | 1,212,000,000 | 22,439 | 27,196,068,000,000 |
| Landsat Digital Data | | | | | |
| MSS | USGS | EROS | 67,100,000 | 1,302,230 | 87,379,633,000,000 |
| TM | USGS | EROS | 551,600,000 | 2,388,648 | 1,317,578,236,800,000 |
| ETM+ | NASA / USGS | EROS | 1,021,300,000 | 2,328,457 | 2,378,053,134,100,000 |
| OLI | NASA / USGS | EROS | 3,221,200,000 | 4,069 | 13,107,062,800,000 |
| TIRS | NASA / USGS | EROS | 763,400,000 | 3,342 | 2,551,282,800,000 |
| OLI/TIRS | NASA / USGS | EROS | 3,800,000,000 | 1,014,908 | 3,856,650,400,000,000 |
| Landsat Pathfinder | | | | | |
| GLCTS | NASA | EROS | 197,497,743 | 3 | 592,493,229 |
| NALC | NASA | EROS | 78,073,000 | 2,675 | 208,845,275,000 |
| NLDC - CEES-TM | NASA | EROS | 289,596,000 | 99 | 28,670,004,000 |
| GCLDC | NASA | EROS | 291,058,000 | 290 | 84,406,820,000 |
| NLDC | NASA | EROS | 257,005,200 | 2,627 | 675,152,660,400 |
| HTFP-TM (unprocessed) | NASA | EROS | 283,059,050 | 886 | 250,790,318,300 |
| HTFP-MSS (unprocessed) | NASA | EROS | 28,248,300 | 1,318 | 37,231,259,400 |
| HTFP-TM (processed) | NASA | EROS | 391,903,000 | 844 | 330,766,132,000 |
| HTFP-MSS (processed) | NASA | EROS | 59,099,700 | 820 | 48,461,754,000 |
| Tri-Decal Landsat Orthomagery | | | | | |
| MSS Scene-based | NASA | EROS | 70,671,000 | 7,542 | 533,000,682,000 |
| TM Scene-based | NASA | EROS | 434,512,000 | 7,106 | 3,087,642,272,000 |
| ETM+ Scene-based | NASA | EROS | 741,031,000 | 8,756 | 6,488,467,436,000 |
| ETM+ Pansharpened Scene-based | NASA | EROS | 845,698,000 | 8,767 | 7,414,234,366,000 |
| TM Uncompressed Mosaics | NASA | EROS | 1,296,221,000 | 494 | 640,333,174,000 |
| ETM+ Pansharpened Uncompressed Mosaics | NASA | EROS | 1,435,114,000 | 2,489 | 3,571,998,746,000 |
| Global Land Surveys | | | | | |
| GLS 1975 | USGS | EROS | 64,209,000 | 7,592 | 487,474,728,000 |
| GLS 1990 | USGS | EROS | 394,198,000 | 7,375 | 2,907,210,250,000 |
| GLS 2000 | USGS | EROS | 677,072,000 | 8,756 | 5,928,442,432,000 |
| GLS 2005 | USGS | EROS | 590,166,000 | 9,718 | 5,735,233,188,000 |
| GLS 2005 Islands (EO-1) | USGS | EROS | 273,329,000 | 555 | 151,697,595,000 |
| GLS 2010 | USGS | EROS | 545,374,000 | 8,555 | 4,665,674,570,000 |
| GLS 2010 Islands (EO-1) | USGS | EROS | 263,072,000 | 445 | 117,067,040,000 |

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| USGS DIGITAL DATA TOTALS AND SIZE | | | | | |
|---|-----------|---------------------------------------|------------------------------|--------------------|-----------------------------------|
| DATA SET | SOURCE | ARCHIVE LOCATION Primary/Secondary | AVERAGE GRANULE SIZE (BYTES) | NUMBER OF GRANULES | TOTAL SIZE - ALL GRANULES (BYTES) |
| NATIONAL GEOSPATIAL PROGRAM OFFICE | | | | | |
| CARTOGRAPHIC AND TOPOGRAPHIC DIGITAL DATA | | | | | |
| Digital Data | | | | | |
| Digital Raster Graphics | | | | | |
| DRG - 7.5 Minute | USGS | MCMC/EROS | 6,573,093 | 52,336 | 344,009,395,248 |
| DRG - 7.5 Minute Forest Service | USGS | MCMC/EROS | 26,276,172 | 210 | 5,517,996,120 |
| DRG - 7.5 Minute Orthophoto | USGS | MCMC/EROS | 33,060,186 | 499 | 16,497,032,814 |
| DRG - 7.5 Minute Orthophoto (w/o Imagery) | USGS | MCMC/EROS | 3,937,911 | 213 | 838,775,043 |
| DRG - 7.5 x 15 Minute | USGS | MCMC/EROS | 14,409,499 | 253 | 3,645,603,247 |
| DRG - 15 Minute | USGS | MCMC/EROS | 5,107,215 | 2,808 | 14,341,059,720 |
| DRG - 30 x 60 Minute | USGS | MCMC/EROS | 17,101,434 | 1,769 | 30,252,436,746 |
| DRG - 1 x 2 Degree | USGS | MCMC/EROS | 15,620,685 | 606 | 9,466,135,110 |
| DRG - 1 x 3 Degree | USGS | MCMC/EROS | 12,776,251 | 108 | 1,379,835,108 |
| DRG - 1 x 4 Degree | USGS | MCMC/EROS | 17,181,516 | 2 | 34,363,032 |
| DRG - 2 x 1 Degree | USGS | MCMC/EROS | 15,807,083 | 3 | 47,421,249 |
| DRG - 4 x 20 Degree | USGS | MCMC/EROS | 14,268,801 | 1 | 14,268,801 |
| DRG - 4 x 28 Degree | USGS | MCMC/EROS | 11,880,642 | 1 | 11,880,642 |
| DRG - Antarctica | USGS | MCMC/EROS | 40,019,377 | 2 | 80,038,754 |
| Digital Orthophoto Quad | | | | | |
| DOQ - QUARTER QUAD (3.75 MINUTE) B/W | USGS | WMC/EROS | 48,936,509 | 205,201 | 10,041,820,583,309 |
| DOQ - QUARTER QUAD (3.75 MINUTE) CIR | USGS | WMC/EROS | 148,770,313 | 74,776 | 11,124,448,924,888 |
| DOQ - QUARTER QUAD (3.75 MINUTE) Natural Color | USGS | WMC/EROS | 130,538,865 | 775 | 101,167,620,375 |
| DOQ - FULL QUAD (7.5 MINUTE) B/W | USGS | WMC/EROS | 157,175,364 | 2,800 | 440,091,019,200 |
| DOQ - FULL QUAD (7.5 MINUTE) AK B/W | USGS | WMC/EROS | 177,015,278 | 318 | 56,290,858,404 |
| DOQ - FULL QUAD (7.5 MINUTE) AK CIR | USGS | WMC/EROS | 88,206,624 | 263 | 23,198,342,112 |
| DOQ - FULL QUAD (7.5 MINUTE) CIR | USGS | WMC/EROS | | TBD | 0 |
| DOQ - FULL QUAD (7.5 MINUTE) Natural Color | USGS | WMC/EROS | 469,145,000 | 33 | 15,481,785,000 |
| Digital Line Graph | | | | | |
| DLG - 7.5 MINUTE | USGS | RMMC/EROS | 915,627 | 176,918 | 161,990,897,586 |
| DLG - 15 MINUTE | USGS | RMMC/EROS | 758,325 | 6,095 | 4,621,990,875 |
| DLG - 100K | USGS | RMMC/EROS | 4,898,978 | 11,650 | 57,073,093,700 |
| DLG - 2 MILLION | USGS | EROS | 737,505 | 225 | 165,938,625 |
| Digital Elevation Model | | | | | |
| DEM - 15 MINUTE | USGS | MCMC/EROS | 1,707,132 | 3,669 | 6,263,467,308 |
| DEM - 2 ARC SECOND (30 Minute) | USGS | EROS | 10,995,045 | 792 | 8,708,075,640 |
| DEM - 250K (1 DEGREE) | USGS | EROS | 8,283,687 | 1,381 | 11,439,771,747 |
| High Resolution Ortho-rectified Scanned Images | | | | | |
| HRO original data files | USGS | MCMC/EROS | 128,350,000 | 3,685,812 | 473,073,970,200,000 |
| Others | | | | | |
| National Atlas | USGS | ERG/EROS | 129,769,929 | 886 | 114,976,157,094 |
| GTOPO30 | USGS | EROS | 84,985,781 | 34 | 2,889,516,554 |
| Hydro 1K Elevation | USGS | EROS | 1,402,839,685 | 6 | 8,417,038,110 |
| GAM DIGITAL DATA | | | | | |
| Land Use / Land Cover | | | | | |
| LULC - 100K | USGS | EROS | 1,675,345 | 269 | 450,667,805 |
| LULC - 250K | USGS | EROS | 6,875,594 | 2,495 | 17,154,607,030 |
| Multi-Resolution Land Characteristics | | | | | |
| Basic or Raw Scenes | USGS Coop | EROS | TBD | 1,476 | TBD |
| Preprocessed Scenes | USGS Coop | EROS | TBD | 1,415 | TBD |
| Terrain Corrected Scenes | USGS Coop | EROS | TBD | 901 | TBD |
| GAP Contributed Scenes | USGS Coop | EROS | TBD | 10 | TBD |
| DEM Scenes | USGS Coop | EROS | TBD | 900 | TBD |
| Multitemporal Scenes | USGS Coop | EROS | TBD | 1,703 | TBD |
| Clustered Scenes | USGS Coop | EROS | TBD | 3,425 | TBD |
| 1-KM MRLC Composites | USGS Coop | EROS | TBD | 360 | TBD |
| | | | | * TOTAL (bytes) | 21,159,959,516,175,000 |
| | | | | 19,244.87 | terabytes |
| * 1 terabyte = 1,099,511,627,776 bytes | | | | | |

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ACRONYM LIST

| | |
|----------------------|---|
| AMES | NASA Ames Research Center (Moffett Field, CA) |
| AMS | Army Map Service |
| AOCI 10-Channel Data | Airborne Ocean Color Imager (10 Channel) |
| APOLLO | NASA Apollo Space Program |
| APOLLO/SOYUZ | NASA Apollo Soyuz Project |
| AQUA | Aqua, latin for 'water', is a NASA Earth Science satellite mission named for the large amount of information that the mission will be collecting about the Earth's water cycle, including evaporation from the oceans, water vapor in the atmosphere, clouds, p |
| ASAS | Advanced Solid-State Array Sensor |
| ASTER | Advanced Spaceborne Thermal Emission and Reflection Radiometer |
| AVHRR | Advanced Very-High Resolution Radiometer |
| AVIRIS | Airborne Visible and Infrared Imaging Spectrometer |
| B/W | Black and White |
| BIA | Bureau of Indian Affairs |
| BLM | Bureau of Land Management |
| BR | Bureau of Reclamation |
| CEES | Committee on Earth and Environmental Sciences |
| CIR | Color Infra Red |
| COE | Corp of Engineers |
| DAAC | Distributed Active Archive Center |
| DEM | Digital Elevation Model |
| DLG | Digital Line Graph |
| DLT | Digital Linear Tape |
| DOD | Department of Defense |
| DOQ | Digital Ortho-photo Quad |
| DRG | Digital Raster Graphics |
| EDC | EROS Data Center |
| EE | Earth Explorer |
| EO-1 | Earth Observation |
| EPA | Environmental Protection Agency |
| ERIM | Environmental Research Institute of Michigan |
| ETM+ | Enhanced Thematic Mapper (Landsat 7) |
| FOLD | Federally Owned Landsat Data |
| FTP | File Transfer Protocol |
| GAP | Geographic Approach to Planning (GAP Analysis Program) |
| GCLDC | NASA Global Change Landsat Data Collection |
| GEMINI | NASA Gemini Program |
| GLCC | Global Land Cover Characterization |
| GLCTS | Global Land Cover Test Site |
| GLIS | Global Land Information System (EDC) |
| GLS | Global Land Surveys |
| GTOPO 30 | Global 30 Arc Second Elevation Data Set |
| HDT | High-density Tape |
| HRPT | High Resolution Picture Transmission (AVHRR) |
| HTFP | Humid Tropical Forest Program |
| HYDRO1K | HYDRO1k is a geographic database developed to provide comprehensive and consistent global coverage of topographically derived data sets, including streams, drainage basins and ancillary layers derived from the USGS' 30 arc-second digital elevation model o |

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ACRONYM LIST

| | |
|------------|--|
| JSC | Johnson Space Center (NASA Houston, TX) |
| KSC | Kennedy Space Center (NASA Cape Canaveral, FL) |
| LANDSAT | Land remote sensing Satellite (formerly ERTS) |
| LFC | Large Format Camera |
| LGSOWG | Landsat Ground Station Operators Working Group |
| LIDAR | Light Detection and Ranging |
| LPDAAC | Land Process Distributed Active Archive Center |
| LULC | Land Use Land Cover |
| M2S | Multispectral Scanner M2S 11-Channel Data Aerial Scanner |
| MASTER | MODIS/ASTER Airborne Simulator |
| MCDG | McDonnell Douglas |
| MODIS | Moderate Resolution Imaging Spectrometer |
| MRLC | Multi-Resolution Land Characteristics |
| MSFC | Marshall Space Flight Center |
| MSI | Multispectral Imagery (DOD) |
| MSS | Multi Spectral Scanner |
| N/A | Not applicable to this dataset. |
| NALC | North American Landscape Characterization |
| NAPP | National Aerial Photography Program |
| NARA | National Archives and Records Administration |
| NASA | National Aeronautics and Space Program |
| NGPO | National Geospatial Program Office |
| NHAP | National High Altitude Photography |
| NLDC | NASA Landsat Data Collection |
| NPS | National Park Service |
| NS001 | 8-Channel Thematic Mapper Simulator |
| NSTL | National Space Technology Laboratory (Bay St. Louis, MS) (renamed Stennis Space Center (SSC)) |
| NURE/LIL | National Uranium Resource Evaluation/Log Information Library |
| OLI | Operational Land Imagery |
| RBV | Return Beam Vidicon |
| SCAR | Scientific Committee on Antarctic Research |
| SDSU | South Dakota State University |
| SIR-C | Shuttle Imaging Radar-C |
| SLAR | Side-Looking Airborne Radar |
| SPOT | Systeme pour l'Observation de la Terre (France) |
| SPOTVIEW | SPOT Geocoded Images: Images mapped into a cartographic projection. |
| SRTM | Shuttle Radar Topography Mission |
| STENNIS | John C. Stennis Space Center (formerly NSTL) |
| TBD | To Be Determined (Used as a place holder in the report.) |
| TERRA | Terra, Latin for "land," is the name of NASA's Earth Observing System (EOS) flagship satellite. The Terra mission was launched on December 18, 1999. |
| TIMS | Thermal Infrared Multispectral Scanner |
| TIRS | Thermal Infrared Sensor |
| TM | Thematic Mapper |
| TMS | Thematic Mapper Simulator |
| UNHTFP | Unprocessed Humid Tropical Forest Program Data |
| USAF | United States Air Force |
| USGS | United States Geological Survey |
| USN | United States Navy |
| WI | Wallops Island |
| ASF PALSAR | ASF PALSAR (Phased Array type L-band Synthetic Aperture Radar) |