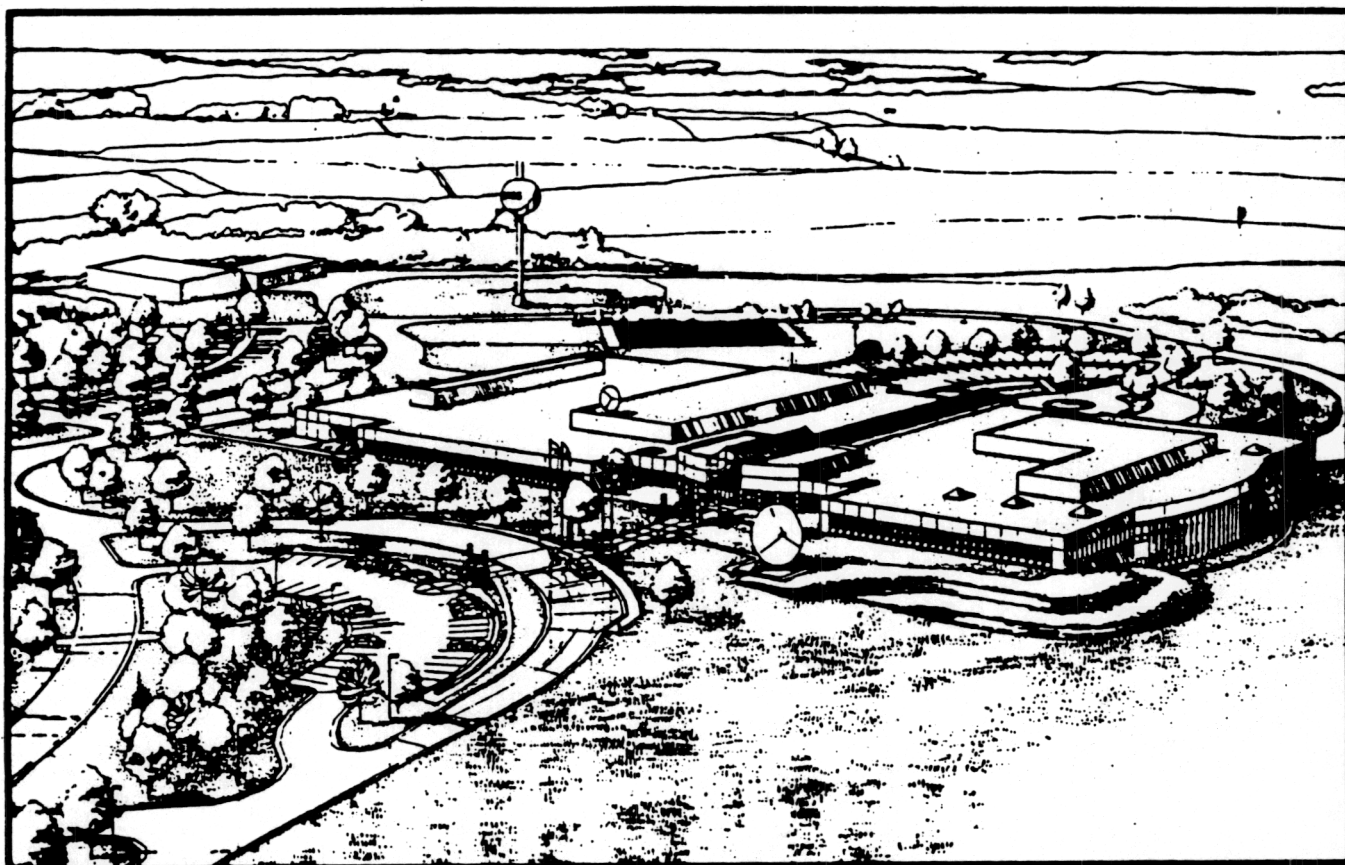

U.S. Geological Survey
EROS Data Center

**Annual Report Of
Data Services**

Fiscal Year 1995



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Annual Report Of Data Services

Fiscal Year 1995

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Section I

Products And Services

In fiscal year 1995, EDC produced and distributed nearly \$7.7 million worth of products and services. Of the total, nearly \$3.1 million were direct repay sales and almost \$1.9 million were products and services provided through EDC cooperative repay projects, for a "reimbursable" total of almost \$5 million. The remaining \$2.7 million were for products and services distributed to users within the U.S. Geological Survey, including EDC users, other National Mapping Division facilities, and other divisions of the USGS.

In addition, over 1,000,000 files of digital cartographic data were distributed free via the Internet. More than 41,000 user inquiries were received during the year, and over 18,000 orders were filled.

| | <u>Items</u> | <u>Dollars</u> |
|-----------------------------|----------------|---------------------|
| Photographic Products | 254,945 | 3,067,661 |
| Digital Products/Processing | 102,555 | 4,584,858 |
| Reference Aids | 71 | 15,078 |
| Miscellaneous | <u>2,978</u> | <u>25,453</u> |
| Total | 360,549 | \$ 7,693,050 |

EDC Annual Sales Report Fiscal Year 1995

| | DIRECT REPAY CUSTOMERS | EDC REPAY PROJECTS | USGS CUSTOMERS | TOTAL |
|--------------------------------|---------------------------|-----------------------|---------------------|---------------------|
| PHOTOGRAPHIC DATA | | | | |
| AERIAL IMAGES | | | | |
| NAPP | \$ 1,348,837 | \$ 18,107 | \$ 861,560 | \$ 2,228,504 |
| SLAR | 6,174 | 2,125 | 950 | 9,249 |
| Other | 336,346 | 10,611 | 25,832 | 372,789 |
| SATELLITE IMAGES | | | | |
| Landsat MSS | 46,762 | 9,606 | 3,856 | 60,224 |
| Landsat TM | 65 | 3,201 | 189 | 3,455 |
| AVHRR | 1,642 | 8,154 | 3,255 | 13,051 |
| Other | 2,992 | 0 | 0 | 2,992 |
| Digital Film Recorder Products | 1,540 | 70,575 | 106,495 | 178,610 |
| Other Photographic Data | <u>30,013</u> | <u>64,235</u> | <u>104,539</u> | <u>198,787</u> |
| TOTAL PHOTOGRAPHIC DATA | \$ 1,774,371 | \$ 186,614 | \$ 1,106,676 | \$ 3,067,661 |
| DIGITAL DATA | | | | |
| PRODUCTS/PROCESSING | | | | |
| Digital Data Processing | \$ 16,731 | \$ 756,423 | \$ 1,158,556 | \$ 1,931,710 |
| SLAR Images | 7,536 | 800 | 96 | 8,432 |
| Landsat MSS Image Data | 375,419 | 432,355 | 31,525 | 839,299 |
| Landsat TM Image Data | 439,775 | 395,605 | 241,087 | 1,076,468 |
| AVHRR Images | 83,339 | 36,437 | 104,581 | 224,357 |
| * NDCDB Data | 356,310 | 2,115 | 34,512 | 392,937 |
| NURE Data | 3,760 | 0 | 0 | 3,760 |
| Other Digital Data | <u>8,864</u> | <u>85,108</u> | <u>13,924</u> | <u>107,896</u> |
| TOTAL DIGITAL DATA | \$ 1,291,734 | \$ 1,708,843 | \$ 1,584,281 | \$ 4,584,858 |
| MISCELLANEOUS | | | | |
| Reference Aids | \$ 9,264 | \$ 500 | \$ 5,315 | \$ 15,079 |
| Other Products and Services | <u>21,985</u> | <u>1,031</u> | <u>2,436</u> | <u>25,453</u> |
| TOTAL MISCELLANEOUS | \$ 31,249 | \$ 1,531 | \$ 7,751 | \$ 40,531 |
| GRAND TOTAL | \$ 3,097,354 | \$ 1,896,988 | \$ 2,698,708 | \$ 7,693,050 |
| Satellite Data Brokerage Fees | \$ 143,877 | \$ 46,236 | \$ 183 | \$ 190,297 |

* Does not include no-cost electronic distribution of data. (see page 5)

EDC Data Distribution/Services
Fiscal Year 1995
(# of Items)

| | DIRECT REPAY CUSTOMERS | EDC REPAY PROJECTS | USGS CUSTOMERS | TOTAL |
|--------------------------------|---------------------------|-----------------------|-------------------|----------------|
| PHOTOGRAPHIC DATA | | | | |
| AERIAL IMAGES | | | | |
| NAPP | 73,561 | 1,198 | 136,121 | 210,880 |
| SLAR | 113 | 25 | 10 | 148 |
| Other | 26,588 | 558 | 3,572 | 30,718 |
| SATELLITE IMAGES | | | | |
| Landsat MSS | 2,909 | 163 | 171 | 3,243 |
| Landsat TM | 1 | 52 | 3 | 56 |
| AVHRR | 47 | 407 | 115 | 569 |
| Other | 129 | 0 | 0 | 129 |
| Digital Film Recorder Products | 20 | 453 | 700 | 1,173 |
| Other Photographic Data | <u>2,034</u> | <u>2,085</u> | <u>3,910</u> | <u>8,029</u> |
| TOTAL PHOTOGRAPHIC DATA | 105,402 | 4,941 | 144,602 | 254,945 |
| DIGITAL DATA | | | | |
| PRODUCTS/PROCESSING | | | | |
| Digital Data Processing | 3 | 800 | 185 | 988 |
| SLAR Images | 132 | 10 | 3 | 145 |
| Landsat MSS Image Data | 1,953 | 2,149 | 159 | 4,261 |
| Landsat TM Image Data | 1,731 | 890 | 1,877 | 4,498 |
| AVHRR Images | 1,503 | 626 | 664 | 2,793 |
| * NDCDB Data | 79,441 | 231 | 4,106 | 83,778 |
| NURE Data | 54 | 0 | 0 | 54 |
| Other Digital Data | <u>142</u> | <u>5,668</u> | <u>228</u> | <u>6,038</u> |
| TOTAL DIGITAL DATA | 84,959 | 10,374 | 7,222 | 102,555 |
| PRODUCTS/ PROCESSING | | | | |
| MISCELLANEOUS | | | | |
| Other Products and Services | 2710 | 150 | 189 | 3,049 |
| GRAND TOTAL | 193,071 | 15,465 | 152,013 | 360,549 |

* Does not include no-cost electronic distribution of data. (see page 5)

Customer Profile

EDC Digital Data Products & Processing

Fiscal Year 1995

Digital Data Products *

| CUSTOMER CATEGORY | ITEMS | DOLLARS |
|------------------------------|----------------|--------------------|
| USGS | 16,611 | \$1,378,146 |
| OTHER FEDERAL | <u>5,065</u> | <u>124,872</u> |
| TOTAL FED. GOVERNMENT | 21,676 | \$1,503,018 |
| STATE/LOCAL GOVERNMENT | 813 | 15,663 |
| ACADEMIA | 5,775 | 153,593 |
| INDUSTRY | 32,715 | 534,852 |
| INDIVIDUALS | 38,850 | 104,735 |
| NON-U.S. | <u>1,738</u> | <u>341,288</u> |
| TOTAL | 101,567 | \$2,653,149 |

* Does not include no-cost electronic distribution of data. (see page 5)

Digital Data Processing

| CUSTOMER CATEGORY | ITEMS | DOLLARS |
|------------------------------|------------|--------------------|
| USGS | 985 | \$1,914,978 |
| OTHER FEDERAL | <u>1</u> | <u>15,741</u> |
| TOTAL FED. GOVERNMENT | 986 | \$1,930,719 |
| STATE/LOCAL GOVERNMENT | 1 | 150 |
| ACADEMIA | 0 | 0 |
| INDUSTRY | 1 | 840 |
| INDIVIDUALS | 0 | 0 |
| NON-U.S. | <u>0</u> | <u>0</u> |
| TOTAL | 988 | \$1,931,709 |

Customer Profile

"No-Cost" NDCDB Electronic File Delivery

FY 1995

| CUSTOMER CATEGORY | PRODUCTS TRANSFERRED PER DATA SET | | | | | TOTAL FILES |
|-------------------|-----------------------------------|----------------|----------------|---------------|---------------|------------------|
| | 1:2M DLG | 1:100K DLG | 1-Degree DEM | LULC | SDTS DLG | |
| FEDERAL GOV'T | 1,031 | 91,056 | 12,453 | 1,757 | 532 | 106,832 |
| ACADEMIA | 3,875 | 269,176 | 35,214 | 4,268 | 1,175 | 313,708 |
| INDUSTRY | 4,196 | 291,849 | 40,803 | 20,233 | 10,512 | 367,593 |
| INDIVIDUALS | 314 | 5,818 | 1,404 | 1,126 | 73 | 8,735 |
| NON-U.S. | 798 | 11,464 | 85,450 | 1,444 | 450 | 99,606 |
| OTHER | 2,323 | 174,374 | 21,228 | 10,803 | 547 | 209,275 |
| TOTAL | 12,540 | 843,737 | 196,552 | 39,631 | 13,289 | 1,105,749 |

Note: These digital cartographic data were retrieved from EDC by customers using the Internet. No fee was charged for these data.

Customer Profile
EDC Photographic Products
Fiscal Year 1995

| CUSTOMER CATEGORY | ITEMS | DOLLARS |
|------------------------------|----------------|--------------------|
| USGS | 149,543 | \$1,293,290 |
| OTHER FEDERAL | <u>21,183</u> | <u>328,360</u> |
| TOTAL FED. GOVERNMENT | 170,726 | \$1,621,650 |
| STATE/LOCAL GOVERNMENT | 11,013 | 182,933 |
| ACADEMIA | 14,574 | 150,643 |
| INDUSTRY | 43,258 | 826,510 |
| INDIVIDUALS | 13,958 | 264,663 |
| NON-U.S. | <u>1,416</u> | <u>21,262</u> |
| TOTAL | 254,945 | \$3,067,661 |

10
15

Product Profile
EDC Photographic Products
Fiscal Year 1995

| BLACK-AND-WHITE PRODUCTS | | |
|---------------------------------|----------------|--------------------|
| PRODUCT CATEGORY | ITEMS | DOLLARS |
| 10" Film/Paper | 126,405 | \$ 952,754 |
| 10" Diapositives | 73,970 | 511,625 |
| 20" Paper | 6,866 | 134,978 |
| 30" Paper | 10 | 132 |
| 40" Paper | 6,506 | 258,431 |
| Other | <u>2,332</u> | <u>44,551</u> |
| TOTAL | 216,089 | \$1,902,471 |
| COLOR PRODUCTS | | |
| PRODUCT CATEGORY | ITEMS | DOLLARS |
| 10" Film/Paper | 27,471 | \$ 683,809 |
| 10" Diapositives | 100 | 1,460 |
| 20" Paper | 2,335 | 120,498 |
| 30" Paper | 0 | 0 |
| 40" Paper | 3,283 | 251,962 |
| Other | <u>5,667</u> | <u>107,461</u> |
| TOTAL | 38,856 | \$1,165,190 |
| GRAND TOTAL PRODUCTS | 254,945 | \$3,067,661 |

National Aerial Photography Program (NAPP) Annual Activity Report 1995

| ACTIVITY | FY 94 | FY 95 |
|--|---------------------|---------------------|
| NUMBER OF FRAMES RECEIVED BY EDC | | |
| Black and White | 89,845 | 96,372 |
| Color Infrared | <u>21,066</u> | <u>35,048</u> |
| TOTAL | 107,911 | 131,420 |
| NUMBER OF MASTER FRAMES DUPLICATED BY EDC | | |
| Black and White | 44,751 | 41,788 |
| Color Infrared | <u>18,137</u> | <u>27,416</u> |
| TOTAL | 62,888 | 69,204 |
| ESTIMATED COST TO EDC FOR DUPLICATION | | |
| Black and White (\$3/frame) | 134,253 | 125,364 |
| Color Infrared (\$6/frame) | <u>108,822</u> | <u>164,496</u> |
| TOTAL | \$ 243,075 | \$ 289,860 |
| NUMBER OF FRAMES SOLD | | |
| Black and White Film/Paper | 173,900 | 184,231 |
| Color Infrared Film/Paper | 32,533 | 26,547 |
| Other | <u>950</u> | <u>102</u> |
| TOTAL | 207,383 | 210,880 |
| * NAPP PARTICIPANT PURCHASES | | |
| Bureau of Indian Affairs | 688 | 0 |
| Bureau of Land Management | 34,897 | 11,706 |
| Fish and Wildlife Service | 23,654 | 10,014 |
| Forest Service | 7,471 | 17,123 |
| National Park Service | 75 | 0 |
| Soil Conservation Service | 3,692 | 3,205 |
| State of Arizona | 33 | 0 |
| State of Georgia | 27,616 | 346 |
| State of Maine | 624 | 3,850 |
| State of Maryland | 1,324 | 100 |
| State of Massachusetts | 1,680 | 0 |
| State of Minnesota | 4,170 | 997 |
| State of Mississippi | 22,328 | 0 |
| State of New Jersey | 1,848 | 0 |
| State of New York | 0 | 1,276 |
| State of Ohio | 112 | 0 |
| State of Pennsylvania | 240 | 0 |
| State of Vermont | 15,250 | 824 |
| State of Washington | 1,221 | 0 |
| State of Wisconsin | 3,327 | 120 |
| Tennessee Valley Authority | 3,144 | 2,752 |
| U.S. Geological Survey | <u>564,650</u> | <u>879,667</u> |
| TOTAL | \$ 718,044 | \$ 931,980 |
| PURCHASES BY ALL OTHERS | \$ 1,487,008 | \$ 1,296,524 |
| REVENUE FROM FRAMES SOLD | | |
| Black and White Film/Paper | 1,344,410 | 1,559,763 |
| Color Infrared Film/Paper | 856,748 | 668,348 |
| Other | <u>3,894</u> | <u>393</u> |
| TOTAL | \$ 2,205,052 | \$ 2,228,504 |

* May include state authorized participants that are not government agencies.

FY95 Photographic Laboratory Workload

| Photographic Laboratory | Total Items Processed |
|-------------------------|-----------------------|
| Landsat Images | 3,173 |
| Other Satellite | 132 |
| Diapositives | 118,486 |
| Aerial Photos | 119,697 |
| Custom Products | 9,162 |
| Microfilm | 382 |
| Miscellaneous | 894 |
| * NAPP Duping | 69,204 |
| Laminating | 218 |
| Passport/Photo ID | 262 |
| Process/Mount Film | 53 |

* National Aerial Photography Program

FY95 Digital Data Production Workload

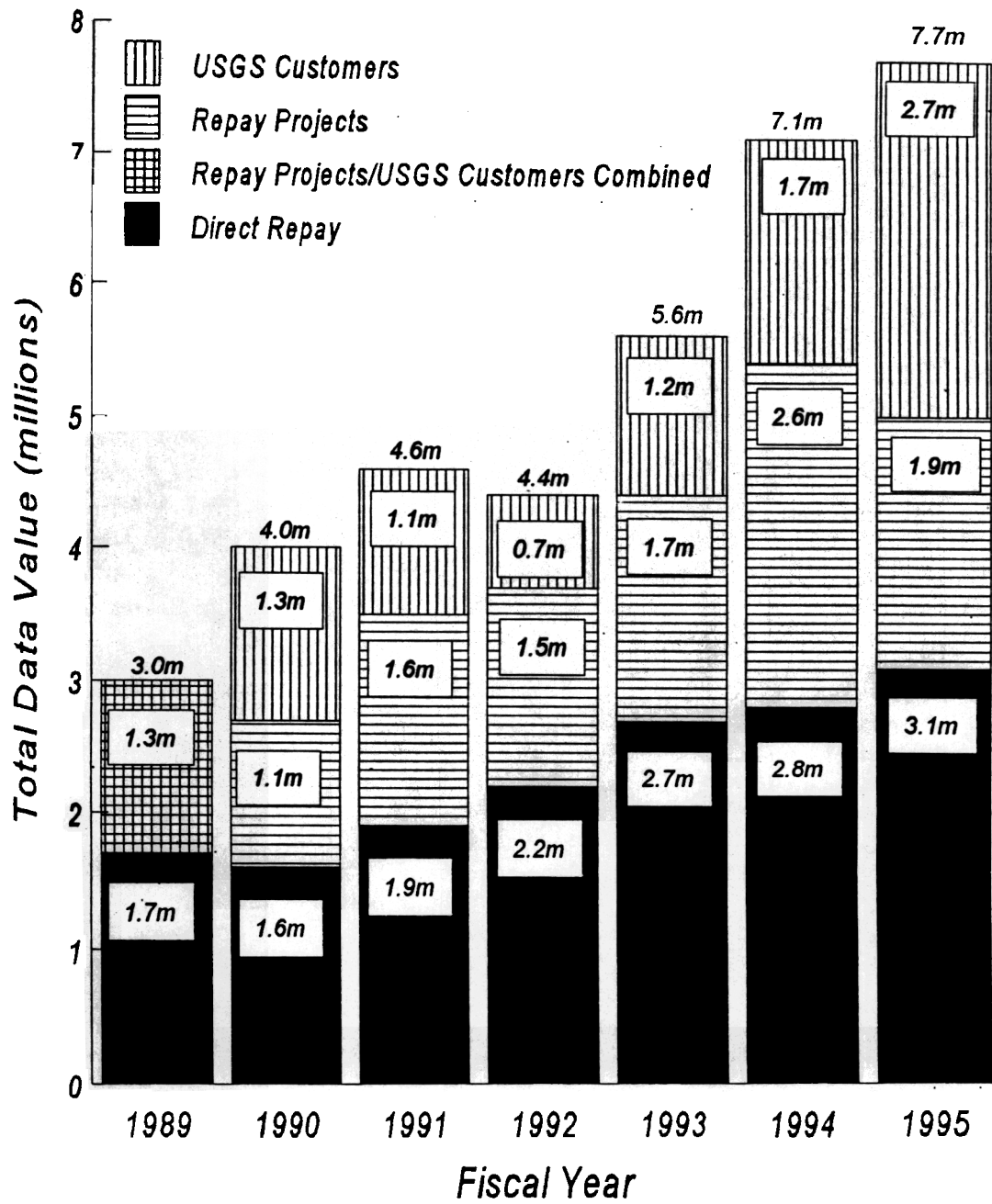
| Digital Data Production | Total Items Processed |
|---|-----------------------|
| DEM's Created From DCW | |
| North America | 1 |
| Africa | 1 |
| GICS Registrations | |
| Systematic | 640 |
| Precision Corrected | 57 |
| Geometrically Registered Images | 144 |
| Image Maps | 10 |
| AVHRR Registrations | 106 |
| AVHRR Greenness Maps | |
| United States | 27 |
| Mideast | 8 |
| NIS | 7 |
| Horn of Africa | 4 |
| Alaska | 25 |
| AVHRR Global Composites | |
| North America | 36 |
| South America | 36 |
| Africa | 15 |
| Asia | 10 |
| Australia | 10 |
| North American Landscape Characterization | |
| Landsat MSS Triplicates | 200 |
| Humid Tropical Forest Inventory | |
| Landsat Products | 170 |
| Multi-Resolution Landscape Characterization | |
| Landsat TM registrations | 315 |
| Geographic Information System Databases | 15 |
| Custom Image Processing | 232 |

Section II

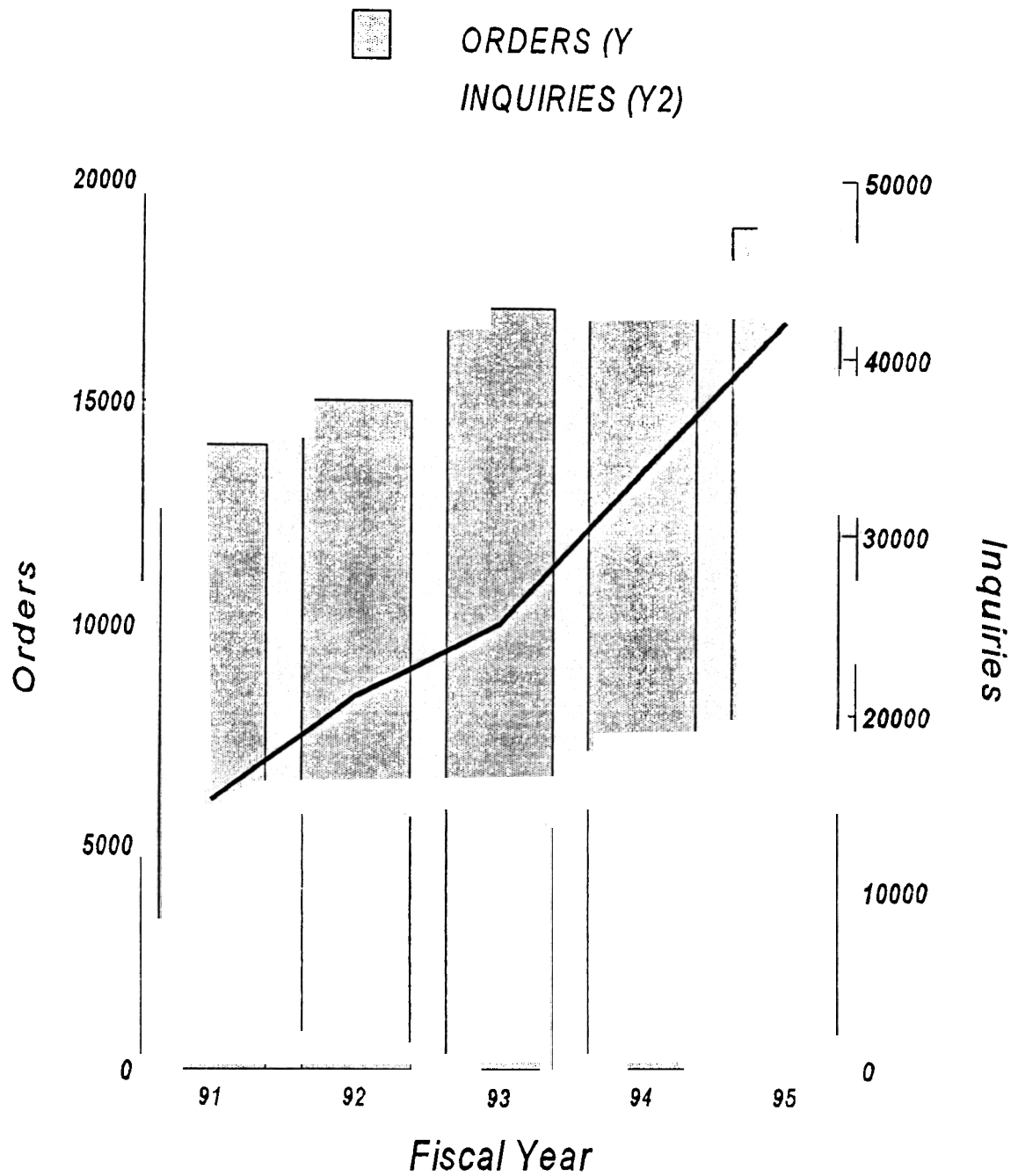
Historical Information

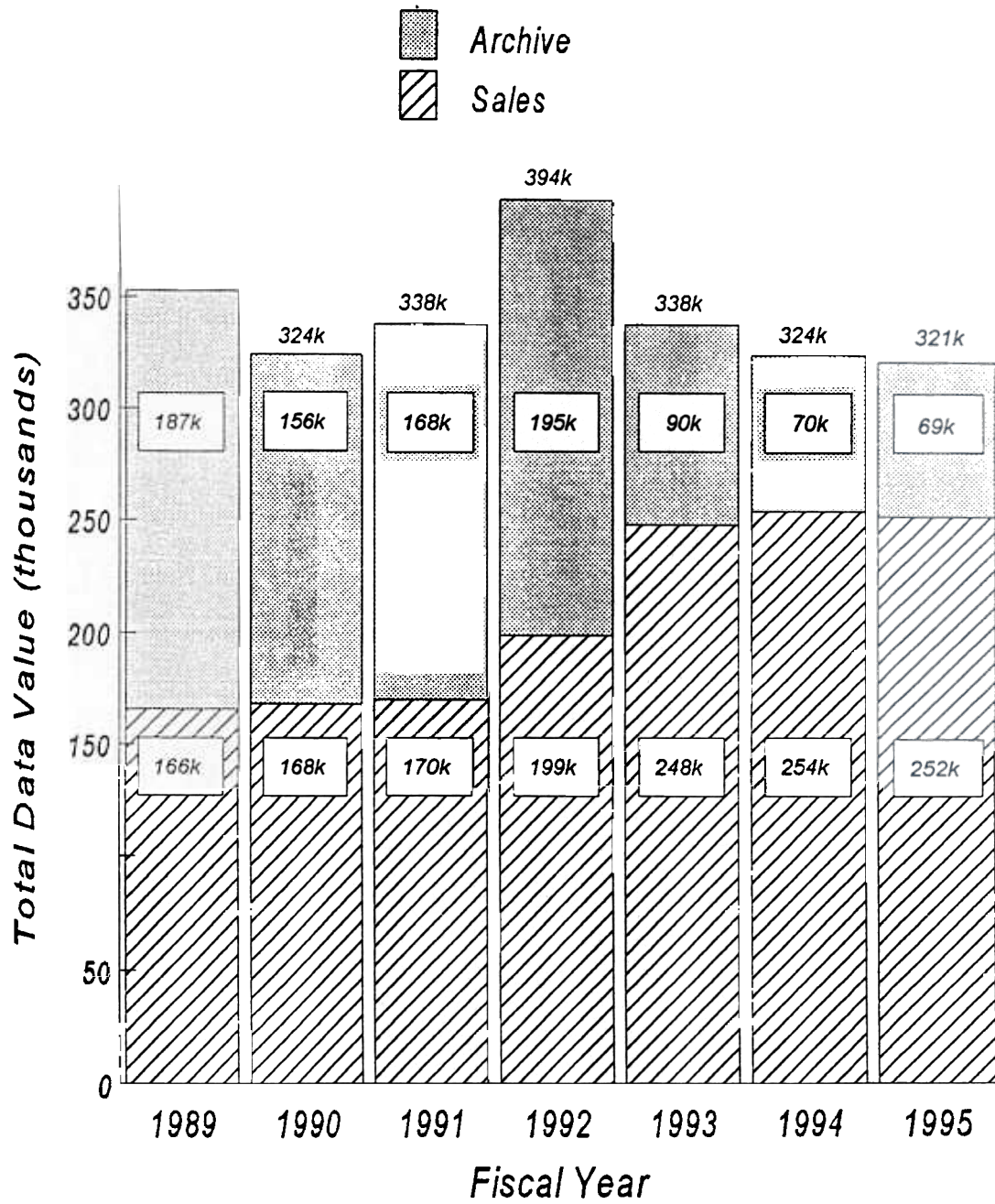
This section provides historical information on data produced and distributed by EDC from fiscal year 1973 through fiscal year 1995.

Total EDC Data Sales/Distribution

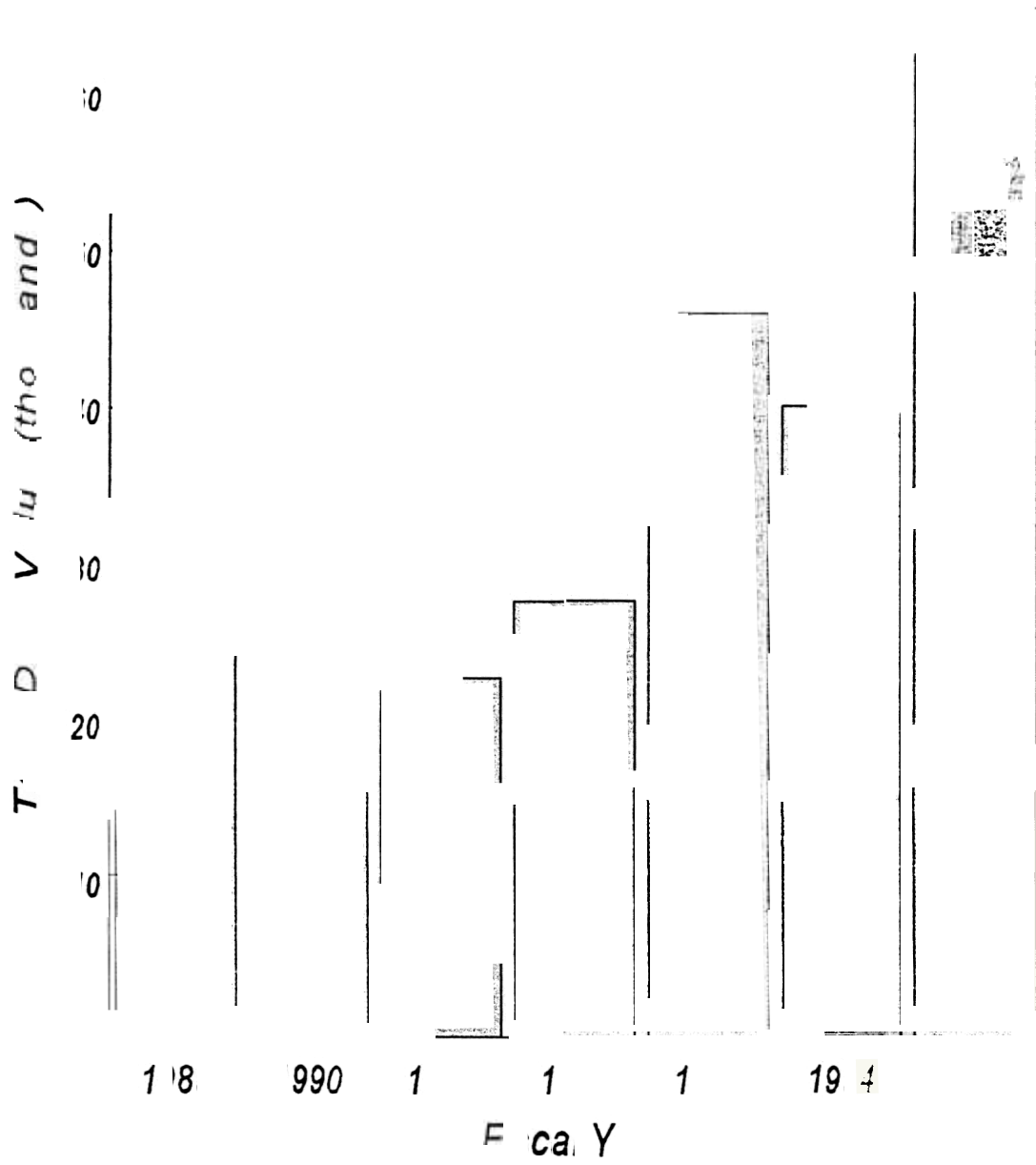


Customer Services Order / Inquiry Workload

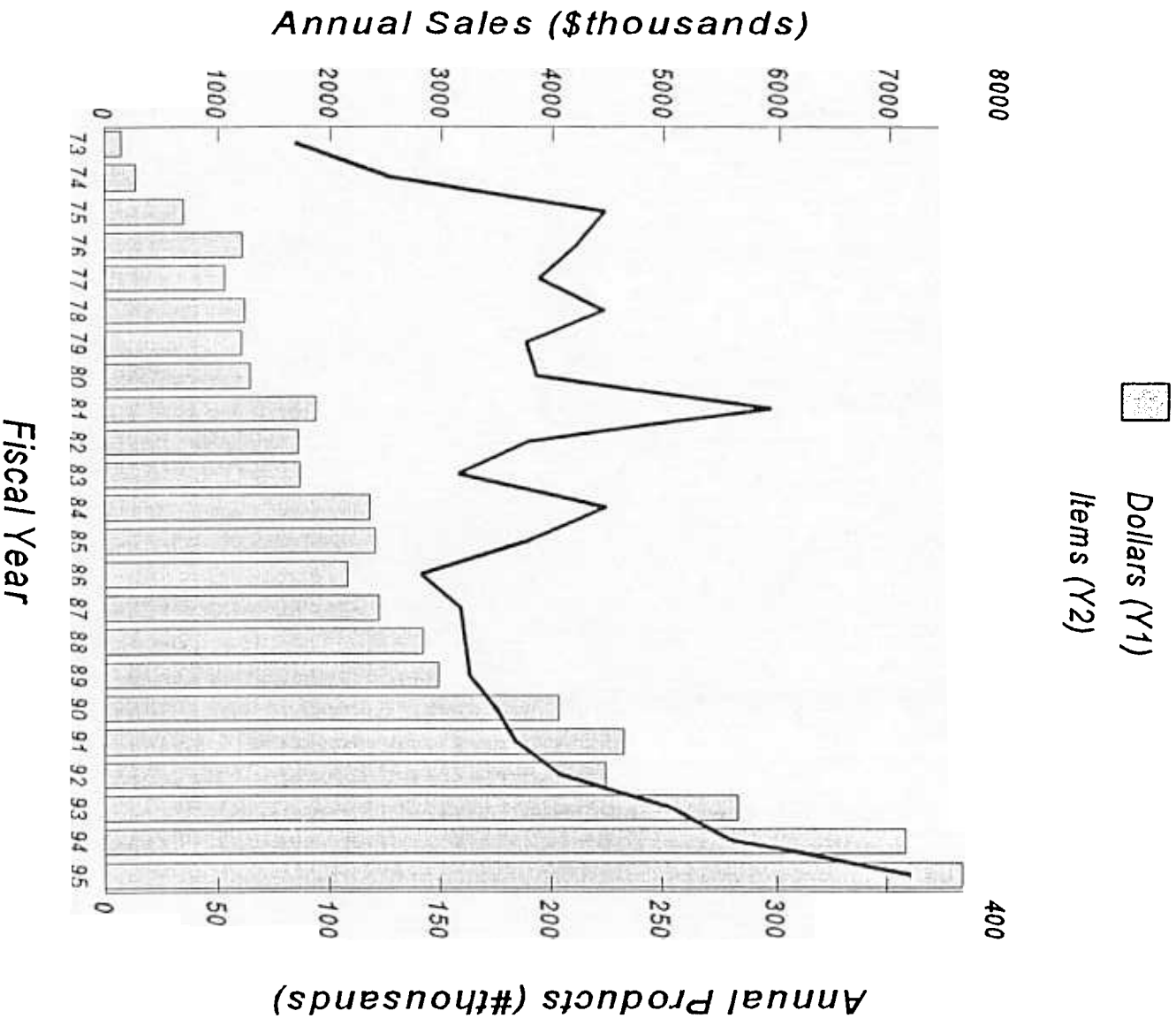




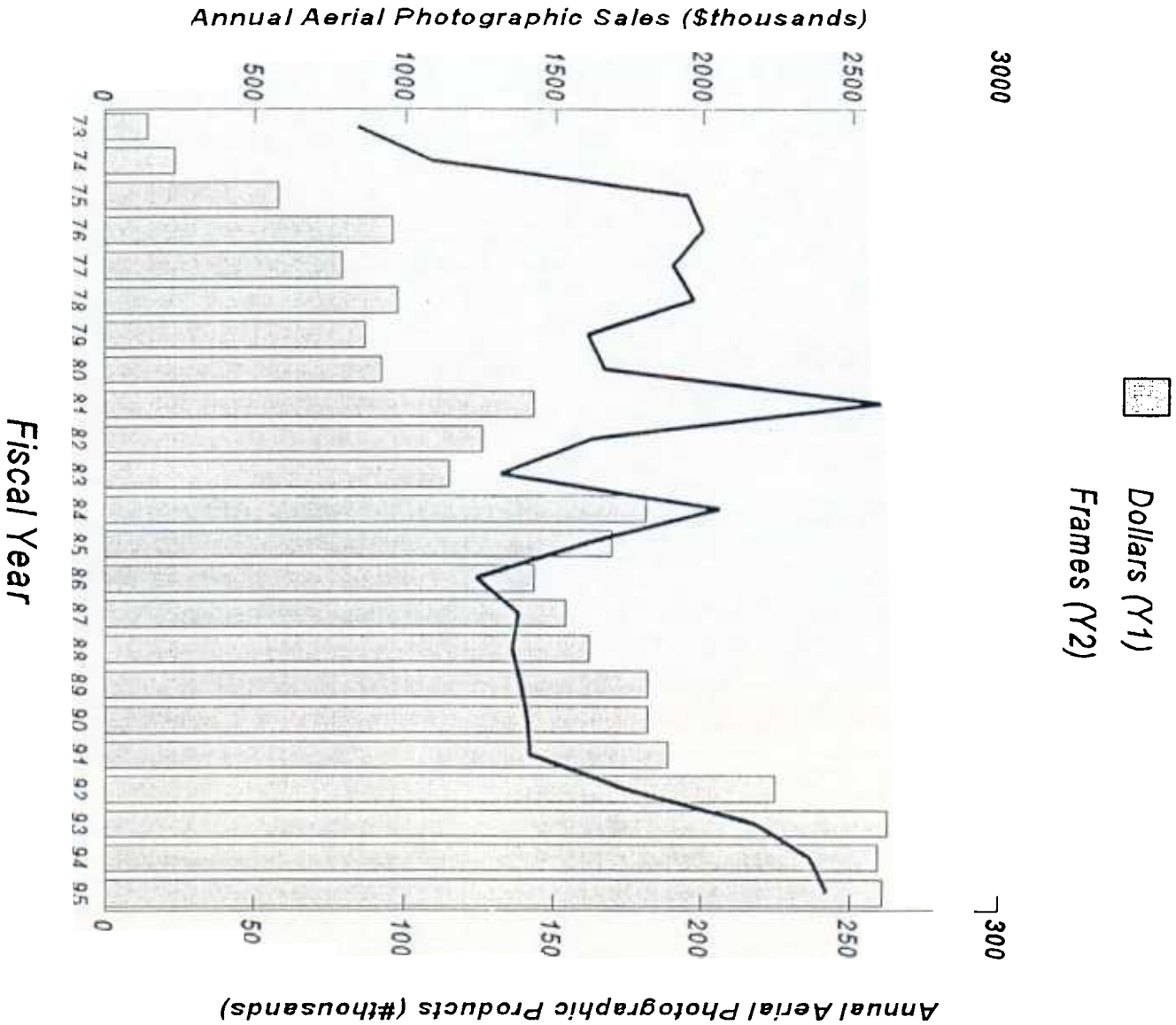
EDC Film Diapositive Workload



Historical EDC Sales Fiscal Year 1973 - 1995

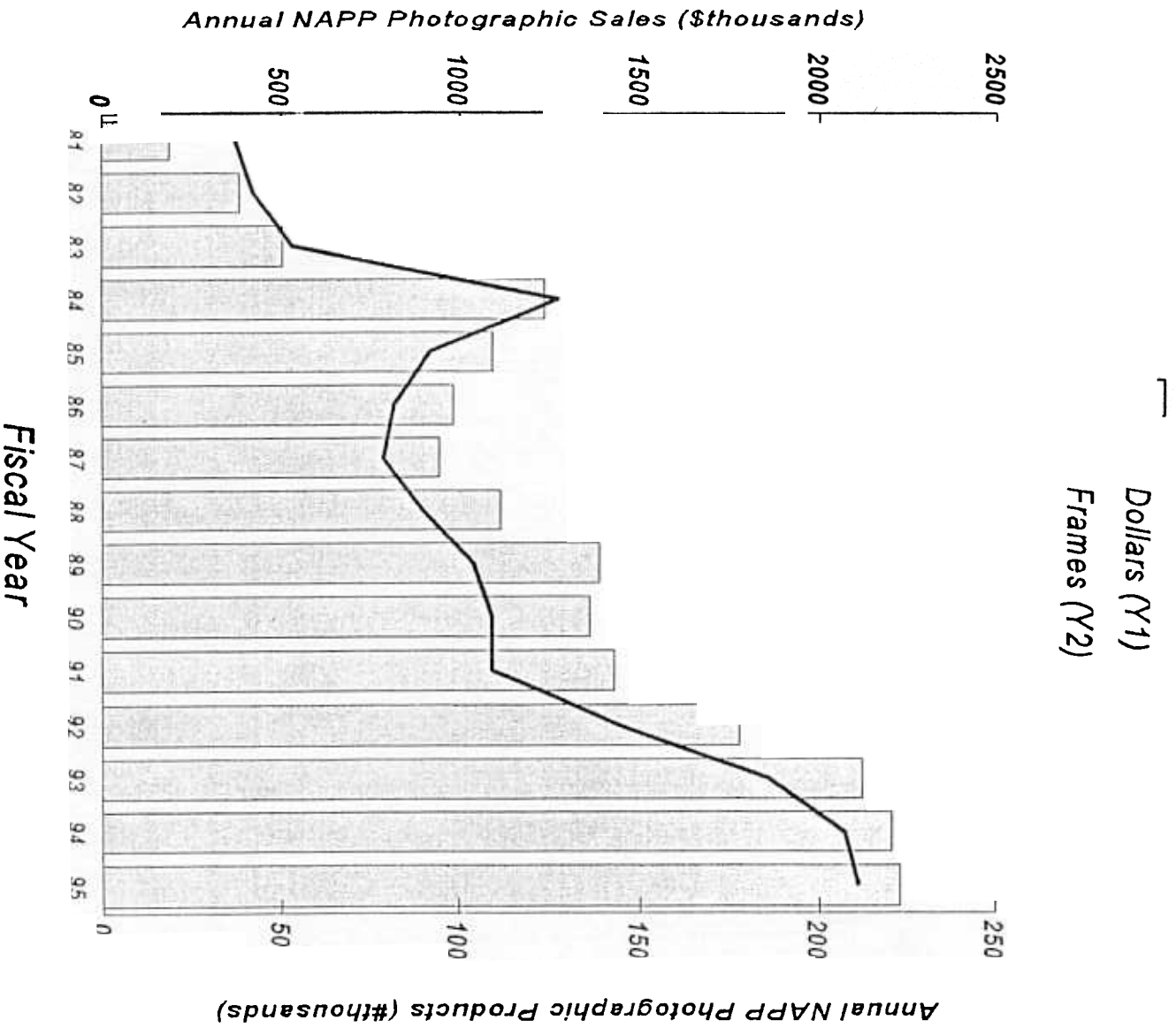


Historical Aerial Photographic Data Sales Year 1973 - 1995

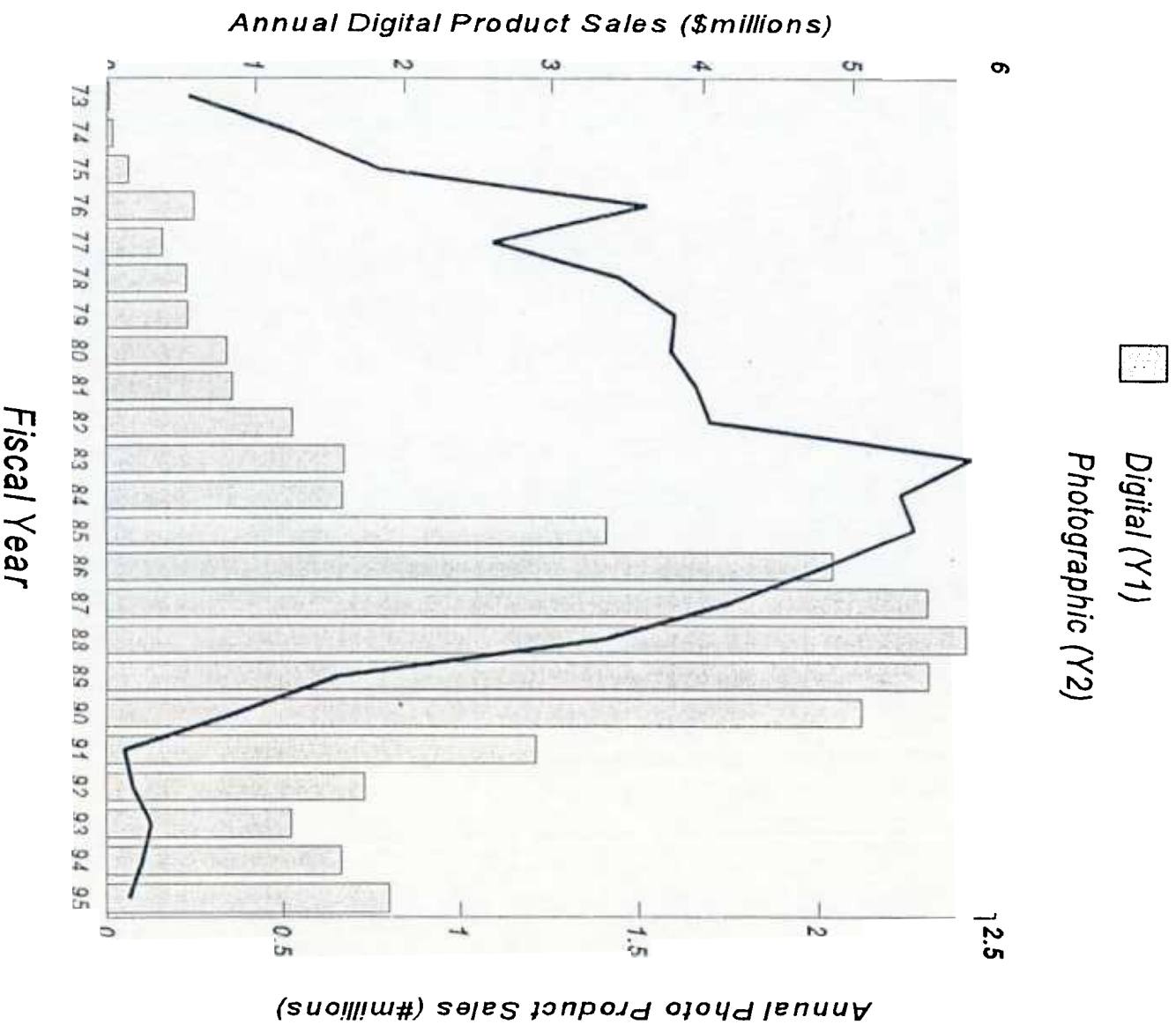


Historical NAPP Photographic Data Sales

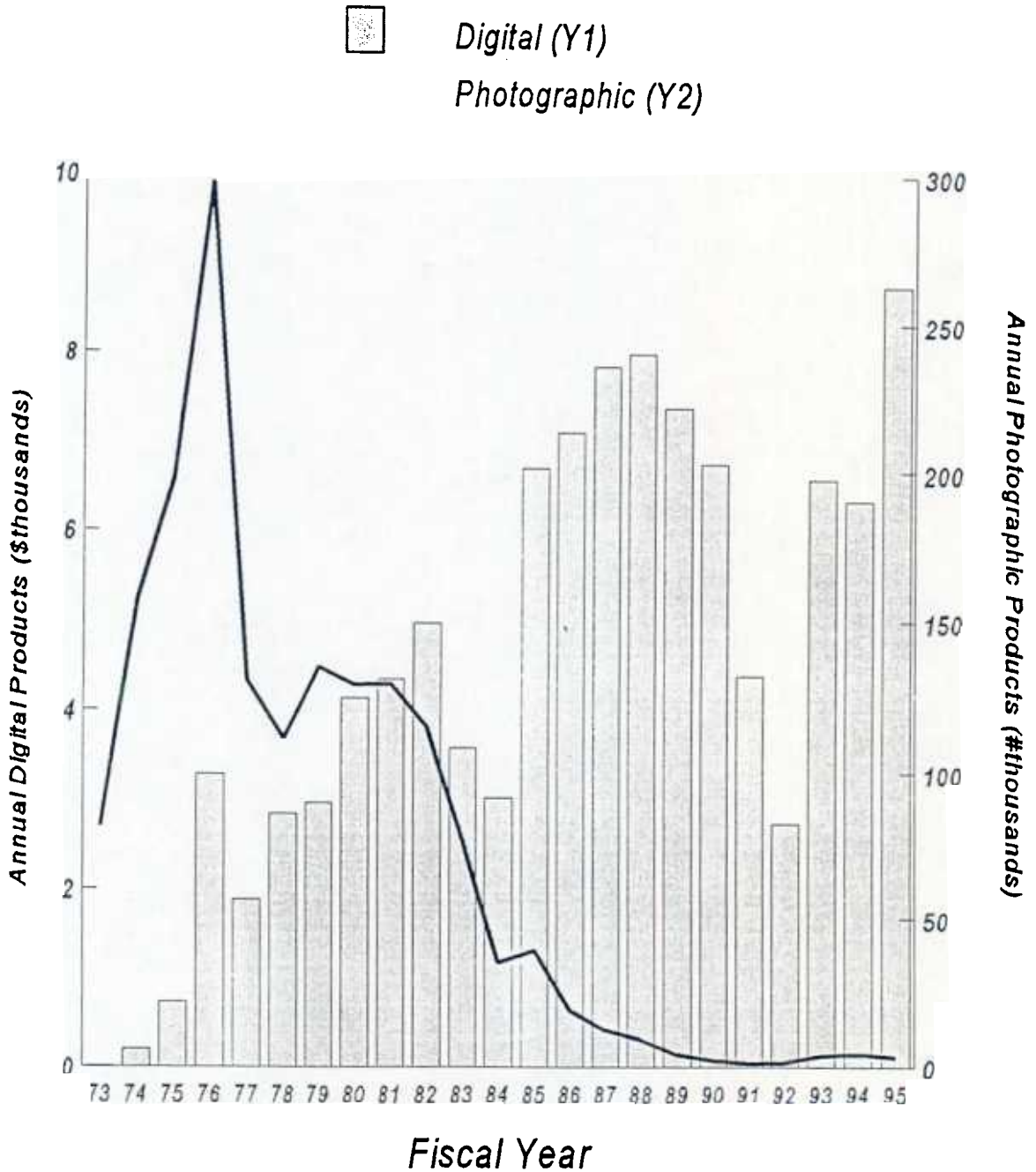
Fiscal Year 1981 - 1995



Historic Landsat Sales (\$) Fiscal Year 1973 - 1995



Historical Landsat Sales (# of Items) Fiscal Year 1973 - 1995



Historical Customer Profile Aerial Image Data Sales

| FISCAL YEAR | CATEGORY | FRAMES | % OF TOTAL | DOLLARS | % OF TOTAL |
|-------------|------------------------|----------------|-------------|---------------------|-------------|
| 1995 | FEDERAL GOVERNMENT | | | | |
| | USGS | 141,484 | 58% | \$ 919,185 | 35% |
| | OTHER FEDERAL | 21,161 | 9% | 327,988 | 12% |
| | STATE/LOCAL GOVERNMENT | 11,010 | 4% | 182,891 | 7% |
| | ACADEMIA | 14,497 | 6% | 149,575 | 6% |
| | INDUSTRY | 41,965 | 17% | 805,350 | 30% |
| | INDIVIDUAL | 13,466 | 6% | 255,520 | 10% |
| | NON-U.S. | 393 | 0% | 6,220 | 0% |
| | TOTAL | 243,976 | 100% | \$ 2,646,729 | 100% |
| 1994 | FEDERAL GOVERNMENT | | | | |
| | USGS | 110,849 | 47% | \$ 637,614 | 25% |
| | OTHER FEDERAL | 24,376 | 10% | 420,913 | 16% |
| | STATE/LOCAL GOVERNMENT | 29,208 | 13% | 344,006 | 13% |
| | ACADEMIA | 9,823 | 4% | 113,959 | 4% |
| | INDUSTRY | 47,913 | 20% | 818,873 | 32% |
| | INDIVIDUAL | 13,264 | 6% | 255,935 | 10% |
| | NON-U.S. | 174 | 0% | 2,457 | 0% |
| | TOTAL | 235,607 | 100% | \$2,593,757 | 100% |
| 1993 | FEDERAL GOVERNMENT | | | | |
| | USGS | 117,384 | 54% | \$ 760,048 | 29% |
| | OTHER FEDERAL | 26,225 | 12% | 469,276 | 18% |
| | STATE/LOCAL GOVERNMENT | 13,310 | 6% | 171,412 | 7% |
| | ACADEMIA | 9,132 | 4% | 112,388 | 4% |
| | INDUSTRY | 39,046 | 18% | 865,603 | 33% |
| | INDIVIDUAL | 12,425 | 6% | 244,136 | 9% |
| | NON-U.S. | 295 | 0% | 2,710 | 0% |
| | TOTAL | 217,817 | 100% | \$2,625,573 | 100% |
| 1992 | FEDERAL GOVERNMENT | | | | |
| | USGS | 60,706 | 35% | \$ 384,167 | 17% |
| | OTHER FEDERAL | 30,491 | 18% | 457,212 | 21% |
| | STATE/LOCAL GOVERNMENT | 21,402 | 12% | 210,451 | 9% |
| | ACADEMIA | 11,173 | 6% | 133,310 | 6% |
| | INDUSTRY | 36,702 | 21% | 815,602 | 36% |
| | INDIVIDUAL | 12,153 | 7% | 235,777 | 11% |
| | NON-U.S. | 994 | 1% | 7,918 | 0% |
| | TOTAL | 173,621 | 100% | \$2,244,437 | 100% |

Historical Customer Profile Landsat Digital Data

| FISCAL YEAR | CATEGORY | ITEMS | % OF TOTAL | DOLLARS | % OF TOTAL |
|-------------|------------------------|--------------|-------------|---------------------|-------------|
| 1995 | FEDERAL GOVERNMENT | | | | |
| | USGS | 5,075 | 58% | \$ 1,100,573 | 57% |
| | OTHER FEDERAL | 243 | 3% | 56,635 | 3% |
| | STATE/LOCAL GOVERNMENT | 34 | 0% | 7,200 | 0% |
| | ACADEMIA | 485 | 5% | 100,715 | 5% |
| | INDUSTRY | 1,281 | 15% | 279,540 | 15% |
| | INDIVIDUAL | 175 | 2% | 40,570 | 2% |
| | NON-U.S. | <u>1,466</u> | <u>17%</u> | <u>330,534</u> | <u>18%</u> |
| | TOTAL | 8,759 | 100% | \$ 1,915,767 | 100% |
| 1994 | FEDERAL GOVERNMENT | | | | |
| | USGS | 3,609 | 57% | \$ 997,190 | 63% |
| | OTHER FEDERAL | 145 | 2% | 22,400 | 1% |
| | STATE/LOCAL GOVERNMENT | 26 | 0% | 4,550 | 0% |
| | ACADEMIA | 417 | 7% | 73,950 | 5% |
| | INDUSTRY | 1,302 | 21% | 333,040 | 21% |
| | INDIVIDUAL | 70 | 1% | 12,860 | 1% |
| | NON-U.S. | <u>779</u> | <u>12%</u> | <u>144,820</u> | <u>9%</u> |
| | TOTAL | 6,348 | 100% | \$ 1,588,810 | 100% |
| 1993 | FEDERAL GOVERNMENT | | | | |
| | USGS | 3,892 | 59% | \$ 718,513 | 58% |
| | OTHER FEDERAL | 237 | 4% | 28,730 | 2% |
| | STATE/LOCAL GOVERNMENT | 10 | 0% | 1,700 | 0% |
| | ACADEMIA | 315 | 5% | 53,628 | 4% |
| | INDUSTRY | 1,639 | 25% | 359,150 | 29% |
| | INDIVIDUAL | 90 | 1% | 16,030 | 1% |
| | NON-U.S. | <u>408</u> | <u>6%</u> | <u>75,250</u> | <u>6%</u> |
| | TOTAL | 6,591 | 100% | \$ 1,253,001 | 100% |
| 1992 | FEDERAL GOVERNMENT | | | | |
| | USGS | 30 | 1% | \$ 28,590 | 2% |
| | OTHER FEDERAL | 1,895 | 69% | 1,389,650 | 80% |
| | STATE/LOCAL GOVERNMENT | 14 | 1% | 7,600 | 0% |
| | ACADEMIA | 176 | 6% | 50,700 | 3% |
| | INDUSTRY | 460 | 17% | 203,620 | 12% |
| | INDIVIDUAL | 11 | 0% | 1,850 | 0% |
| | NON-U.S. | <u>173</u> | <u>6%</u> | <u>56,800</u> | <u>3%</u> |
| | TOTAL | 2,759 | 100% | \$ 1,738,810 | 100% |

Historical Customer Profile Landsat Photographic Data

| FISCAL YEAR | CATEGORY | FRAMES | % OF TOTAL | DOLLARS | % OF TOTAL |
|--------------|------------------------|--------------|-------------------|---------------|------------|
| 1995 | FEDERAL GOVERNMENT | | | | |
| | USGS | 389 | 12% | \$ 16,852 | 26% |
| | OTHER FEDERAL | 22 | 1% | 372 | 1% |
| | STATE/LOCAL GOVERNMENT | 3 | 0% | 42 | 0% |
| | ACADEMIA | 77 | 2% | 1,068 | 2% |
| | INDUSTRY | 1,293 | 39% | 21,160 | 33% |
| | INDIVIDUAL | 492 | 15% | 9,143 | 14% |
| | NON-U.S. | <u>1,023</u> | <u>31%</u> | <u>15,042</u> | <u>24%</u> |
| TOTAL | 3,299 | 100% | \$ 63,679 | 100% | |
| 1994 | FEDERAL GOVERNMENT | | | | |
| | USGS | 847 | 19% | \$ 42,188 | 42% |
| | OTHER FEDERAL | 164 | 3% | 2,258 | 2% |
| | STATE/LOCAL GOVERNMENT | 2 | 0% | 72 | 0% |
| | ACADEMIA | 261 | 6% | 3,702 | 4% |
| | INDUSTRY | 1,699 | 38% | 26,604 | 27% |
| | INDIVIDUAL | 411 | 9% | 6,969 | 7% |
| | NON-U.S. | <u>1,122</u> | <u>25%</u> | <u>18,546</u> | <u>18%</u> |
| TOTAL | 4,506 | 100% | \$ 100,339 | 100% | |
| 1993 | FEDERAL GOVERNMENT | | | | |
| | USGS | 1,193 | 31% | \$ 77,584 | 62% |
| | OTHER FEDERAL | 81 | 2% | 1,306 | 1% |
| | STATE/LOCAL GOVERNMENT | 5 | 0% | 172 | 0% |
| | ACADEMIA | 260 | 7% | 4,688 | 4% |
| | INDUSTRY | 1,510 | 39% | 26,796 | 21% |
| | INDIVIDUAL | 368 | 9% | 5,694 | 5% |
| | NON-U.S. | <u>485</u> | <u>12%</u> | <u>8,386</u> | <u>7%</u> |
| TOTAL | 3,902 | 100% | \$ 124,626 | 100% | |
| 1992 | FEDERAL GOVERNMENT | | | | |
| | USGS | 1 | 0% | \$ 175 | 0% |
| | OTHER FEDERAL | 243 | 16% | 50,194 | 68% |
| | STATE/LOCAL GOVERNMENT | 3 | 0% | 38 | 0% |
| | ACADEMIA | 176 | 12% | 2,426 | 3% |
| | INDUSTRY | 447 | 29% | 11,337 | 16% |
| | INDIVIDUAL | 238 | 16% | 3,395 | 5% |
| | NON-U.S. | <u>415</u> | <u>27%</u> | <u>6,093</u> | <u>8%</u> |
| TOTAL | 1,523 | 100% | \$ 73,658 | 100% | |

Section III

EROS Data Center Archives and Data Bases

This section describes those data archives, both digital and photographic, that are maintained by EDC to preserve and reference remotely sensed, cartographic, and earth science data. In addition, several data bases reference data held elsewhere that are of interest to EDC customers.

As of the end of fiscal year 1995, the Data Center has archived over 10.6 million frames of photographic data and over 124,000 tapes. This included more than 2.8 million frames of Landsat photographic data and nearly 80,000 Landsat data tapes. The International Landsat Data Base maintained by EDC referenced over 940,000 Landsat scenes archived in the United States, and over 2.44 million scenes of Landsat data held by foreign ground stations.

Data Archive Report

As Of September 15, 1995

PHOTOGRAPHIC DATA ARCHIVED AT EDC

| AERIAL PHOTOGRAPHY | | |
|---|---------------|------------------|
| SOURCE | ROLLS | FRAMES |
| US Geological Survey | 17,375 | 2,590,065 |
| NAPP | 10,482 | 1,591,945 |
| Bureau of Land Management | 625 | 125,048 |
| Bureau of Reclamation | 301 | 60,343 |
| National Park Service | 85 | 14,551 |
| Bureau of Indian Affairs | 49 | 9,913 |
| TOTAL DEPARTMENT OF THE INTERIOR | 28,917 | 4,391,865 |
| Army Map Service | 1,681 | 213,995 |
| US Air Force | 3,403 | 337,697 |
| US Navy | 6,437 | 434,252 |
| Corps of Engineers | 82 | 22,924 |
| TOTAL DEPARTMENT OF DEFENSE | 11,603 | 1,008,850 |
| Ames Research Center | 4,727 | 599,331 |
| Johnson Space Center | 7,632 | 1,012,642 |
| Other | 1,413 | 134,539 |
| TOTAL NASA | 13,772 | 1,746,512 |
| OTHER SOURCE AGENCIES | 2,102 | 365,025 |
| TOTAL AERIAL PHOTOGRAPHY | 55,074 | 7,512,252 |

| SATELLITE PHOTOGRAPHY | | |
|------------------------------------|---------------|------------------|
| SOURCE | ROLLS | FRAMES |
| Landsat MSS 70 mm Film (1/2/3) | 7,708 | 1,342,187 |
| Landsat MSS 9" B&W Film | 10,628 | 1,338,195 |
| Landsat TM 9" B&W Film | 2,924 | 175,665 |
| Skylab | 634 | 44,845 |
| Apollo/Gemini/Apollo-Sojuz | 127 | 18,372 |
| Shuttle (Incl. LFC) | 2,496 | 225,311 |
| TOTAL SATELLITE PHOTOGRAPHY | 24,517 | 3,144,575 |

Data Archive Report

As Of September 15, 1995

DIGITAL DATA ARCHIVED AT EDC

| SOURCE | MAGNETIC TAPES | SCENES / FILES |
|---|-------------------|-------------------|
| AERIAL IMAGE DATA | | |
| NASA Data | | |
| TMS / NS001 | 1,174 | 4,913 |
| M2S 11-Channel Data | 76 | N/A |
| AOCI 10-Channel Data | 44 | N/A |
| National Park Service | 94 | N/A |
| Side-Looking Airborne Radar (SLAR) | <u>2,523</u> | <u>2,938</u> |
| TOTAL | 3,911 | 7,851 |
| SATELLITE IMAGE DATA | | |
| Landsat MSS/TM digital Data | 80,083 | 949,419 |
| AVHRR | | |
| EDC-HRPT Data | 11,358 | 29,944 |
| LAC Data Received via DOMSAT | 12,951 | 43,535 |
| LAC Data Received From Other Sources | 9,237 | 33,284 |
| Federally-Owned Landsat Data (FOLD) | 1,224 | 1,224 |
| SPOT Data | 306 | 306 |
| Department of Defense MSI Data | <u>6,905</u> | <u>2,897</u> |
| TOTAL | * 122,064 | 1,060,609 |
| NDCDB DATA | | |
| Digital Elevation Model (DEM) | 159 | 35,341 |
| 1:2 Million Digital Line Graph (DLG) | 8 | 511 |
| 1:100k DLG; 1:25k LULC; 1 DEG & 24k DEM | <u>1,039</u> | <u>17,395</u> |
| TOTAL | 1,206 | 53,247 |
| EARTH SCIENCE DATA | | |
| National Uranium Resource Evaluation (NURE) | 957 | 7,949 |
| Geophysical Research Program | <u>21</u> | <u>N/A</u> |
| TOTAL | 978 | 7,949 |
| TOTAL DIGITAL HOLDINGS | 128,159 | 1,129,656 |

* Includes approximately 4,221 Landsat scenes and 106,763 AVHRR scenes.

* N/A = Information not available.

Data Archive Report

As Of September 15, 1995

SUMMARY OF DATA ARCHIVED AT EDC

| PHOTOGRAPHIC DATA | ROLLS | FRAMES |
|--------------------------|---------------|-------------------|
| AERIAL IMAGES | 56,332 | 7,512,252 |
| LANDSAT SATELLITE IMAGES | 21,260 | 2,856,047 |
| OTHER SATELLITE IMAGES | <u>3,257</u> | <u>288,528</u> |
| TOTAL | 80,849 | 10,656,827 |

| DIGITAL DATA | MAGNETIC TAPES | SCENES / FILES |
|------------------------------|-------------------|------------------|
| AERIAL IMAGE DATA | 4,471 | 7,851 |
| LANDSAT SATELLITE IMAGE DATA | 79,783 | 1,060,609 |
| OTHER SATELLITE IMAGE DATA | 111,190 | N/A |
| NDCDB DATA | 1,206 | 53,247 |
| EARTH SCIENCE DATA | <u>978</u> | <u>7,949</u> |
| TOTAL | 197,628 | 1,129,656 |

* Includes approximately 4,221 Landsat scenes and 106,763 AVHRR scenes.

* N/A = Information not available.

Landsat International Data Base Summary

As Of September 13, 1995

References Landsat data archived by U.S. and foreign ground stations. Input provided via LGSOWG data exchange format tape.

| COUNTRY | SCENES | LAST UPDATE | ACQUISITION DATE RANGE |
|--|---|----------------|------------------------------|
| USA | 631,411 MSS 318,008 TM | DAILY | 7/72 - 10/92 8/82 - 9/95 |
| BRAZIL | 32,617 MSS 108,689 TM | 5/90 5/95 | 5/73 - 9/87 3/84 - 1/92 |
| CANADA | 436,566 MSS 151,327 TM | 6/94 1/94 | 7/72 - 1/94 8/82 - 1/94 |
| EARTHNET: ITALY | 398,865 MSS 135,843 TM | 4/95 4/95 | 4/75 - 12/93 4/84 - 3/95 |
| SWEDEN | 479,622 MSS 188,600 TM | 4/95 4/95 | 4/75 - 12/93 4/84 - 3/95 |
| MASPALOMAS (SPAIN) | 23,918 MSS 3,058 TM | 8/91 4/95 | 7/84 - 12/90 11/87 - 7/94 |
| SOUTH AFRICA | 58,502 MSS 27,784 TM | 11/93 8/95 | 7/80 - 9/93 1/89 - 6/95 |
| AUSTRALIA | 210,671 MSS | 9/91 | 9/79 - 8/91 |
| ARGENTINA | 10,790 MSS | 5/87 | 9/80 - 8/84 |
| JAPAN | 123,577 MSS 47,313 TM | 1/92** 1/92 | 1/79 - 9/91 4/84 - 9/91 |
| PAKISTAN | 3,256 MSS 4,583 TM | 6/90 6/90 | 5/89 - 12/89 5/89 - 12/89 |
| TOTAL SCENES | 2,409,775 MSS 985,205 TM 3,394,980 | | |
| LGSOWG TOTAL SCENES/NON-EDC | 2,445,561 | | |

To date, EDC has not received international data base tape updates from Indonesia, Thailand, People's Republic of China, Saudi Arabia, and India.

Note: Foreign/USA number of MSS scenes no longer contain RBV data.

Finalized with Japan on FTP procedures for future metadata (8/1/95).