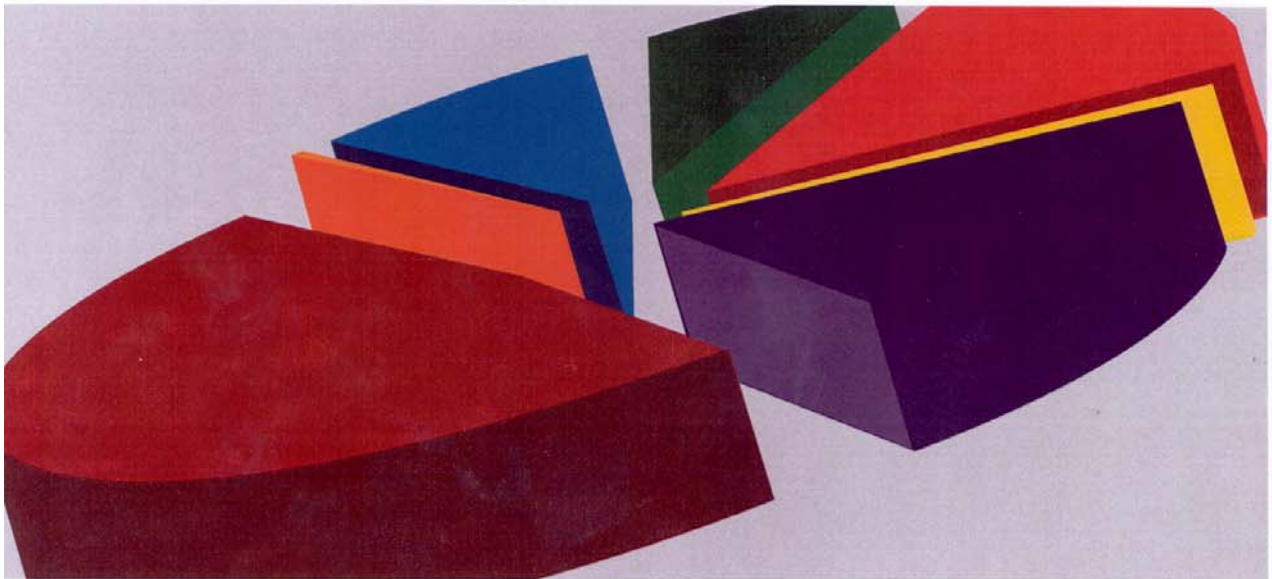




Annual Report of Data Services



EROS Data Center

**Fiscal Year
2001**

**U.S. Department of the Interior
U.S. Geological Survey**

Annual Report Of Data Services

Fiscal Year 2001

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Section I

Products And Services

In fiscal year 2001, the USGS EDC produced and distributed over \$20 million worth of products and services. Of the total, over \$15.6 million was in direct sales to outside customers and more than \$1.3 million was in products and services provided through USGS EDC cooperative repay projects, for a "reimbursable" total of over \$16.9 million. The remaining nearly \$3.1 million was for products and services distributed to users within the U.S. Geological Survey. In addition, more than 16.9 million files of digital cartographic data, equaling 2.8 terabytes were distributed free of charge via the Internet.

	<u>Items</u>	<u>Dollars</u>
Photographic Products	291,759	3,290,129
National Landsat Satellite Archive	6,421	1,467,029
Landsat 7 Products	20,917	9,694,087
US GeoData Products	1,204,516	3,820,994
DAAC Products	385	3,870
Other Digital Data Products	27,851	895,155
Digital Data Processing	2,867	767,838
Miscellaneous	<u>5,055</u>	<u>65,168</u>
Total	1,559,771	20,004,269

EDC SALES REPORT - FY 2001
Fiscal Year 2001
(Dollars)

	DIRECT REPAY	EDC REPAY PROJECTS	USGS CUSTOMERS	TOTAL
PHOTOGRAPHIC DATA				
AERIAL: NAPP	1,425,668	18,156	1,164,131	2,607,955
OTHER	439,888	17,116	37,618	494,622
SATELLITE: CORONA SATELLITE PHOTOGRAPHY	63,237	1,987	766	65,990
LANDSAT / OTHER	10,942	3,975	10,786	25,702
PHOTO FROM DIGITAL SOURCE	4,838	14,100	37,463	56,400
OTHER PHOTOGRAPHIC DATA	1,211	18,661	19,587	39,459
PHOTOGRAPHIC DATA TOTAL	1,945,784	73,996	1,270,349	\$ 3,290,129
DIGITAL DATA/PROCESSING				
NATIONAL LAND SATELLITE ARCHIVE				
LANDSAT MSS (Satellites 1 - 5)	310,685	7,575	10,925	329,185
LANDSAT TM (Satellites 4 - 5)	908,148	50,415	66,580	1,025,143
* LANDSAT DERIVATIVE PRODUCTS (Satellites 4 - 5)	16,235	420	4,265	20,920
* AVHRR IMAGES	83,084	482	8,215	91,781
SUB-TOTAL	1,318,152	58,892	89,985	\$ 1,467,029
LANDSAT 7 PRODUCTS				
LANDSAT 7 / ETM				
LEVEL 0R	4,424,455	76,665	113,525	4,614,645
LEVEL 1 R/G	3,772,482	81,725	237,020	4,091,227
LEVEL 1 P/T	349,940	69,840	484,895	904,675
LANDSAT DERIVATIVE PRODUCTS	77,608	310	5,622	83,540
SUB-TOTAL	8,624,485	228,540	841,062	\$ 9,694,087
US GEODATA PRODUCTS				
"BASE ORDER" CHARGES	245,220	7,485	28,275	280,980
DEM	58,409	133	24,820	83,362
DLG	6,641	133	7,236	14,009
DOQ	2,563,690	232,585	536,178	3,332,453
DRG	76,244	26,072	7,874	110,190
SUB-TOTAL	2,950,204	266,408	604,383	\$ 3,820,994
DAAC PRODUCTS				
OTHER DIGITAL DATA PRODUCTS	3,870	0	0	3,870
DIGITAL DATA PROCESSING	258,227	110,632	139,715	508,574
SEAMLESS PRODUCTS	190,958	523,440	53,440	767,838
	262,646	54,821	69,115	386,581
DIGITAL DATA/PROCESSING TOTAL	13,608,541	1,242,733	1,797,700	\$ 16,648,973
MISC PRODUCTS AND SERVICES				
	60,845	1,019	3,304	65,168
GRAND TOTAL	15,615,169	1,317,747	3,071,353	\$ 20,004,269

* Includes DAAC Products

EDC SALES REPORT - FY 2001
Fiscal Year 2001
(Items)

	DIRECT REPAY	EDC REPAY PROJECTS	USGS CUSTOMERS	TOTAL
PHOTOGRAPHIC DATA				
AERIAL: NAPP	86,125	1,662	153,295	241,082
OTHER	35,643	863	3,309	39,815
SATELLITE: CORONA SATELLITE PHOTOGRAPHY	3,690	140	46	3,876
LANDSAT / OTHER	1,070	47	167	1,284
PHOTO FROM DIGITAL SOURCE	65	176	471	712
OTHER PHOTOGRAPHIC DATA	20	2,838	2,132	4,990
PHOTOGRAPHIC DATA TOTAL	126,613	5,726	159,420	291,759
DIGITAL DATA/PROCESSING				
NATIONAL LAND SATELLITE ARCHIVE				
LANDSAT MSS (Satellites 1 - 5)	1,643	30	59	1,732
LANDSAT TM (Satellites 4 - 5)	2,148	115	272	2,535
* LANDSAT DERIVATIVE PRODUCTS (Satellites 4 - 5)	1,178	43	88	1,309
* AVHRR IMAGES	721	10	114	845
SUB-TOTAL	5,690	198	533	6,421
LANDSAT 7 PRODUCTS				
LANDSAT 7 / ETM				
LEVEL 0R	2,179	178	1,695	4,052
LEVEL 1 R/G	13,921	208	486	14,615
LEVEL 1 P/T	682	107	1,146	1,935
LANDSAT DERIVATIVE PRODUCTS	253	8	54	315
SUB-TOTAL	17,035	501	3,381	20,917
US GEODATA PRODUCTS				
"BASE ORDER" CHARGES	6,744	176	665	7,585
DEM	58,433	133	39,912	98,478
DLG	6,647	133	10,319	17,099
DOQ	832,088	52,432	63,749	948,269
DRG	74,050	51,161	7,874	133,085
SUB-TOTAL	977,962	104,035	122,519	1,204,516
DAAC PRODUCTS				
OTHER DIGITAL DATA PRODUCTS	13,587	1,263	3,588	18,438
DIGITAL DATA PROCESSING	16	395	2,456	2,867
SEAMLESS PRODUCTS	9,240	48	125	9,413
DIGITAL DATA/PROCESSING TOTAL	1,023,915	106,440	132,602	1,262,957
MISC PRODUCTS AND SERVICES	4,928	88	39	5,055
GRAND TOTAL	1,155,456	112,254	292,061	1,559,771

* Includes DAAC Products

EDC LANDSAT 7 PRODUCT SALES REPORT - FY 2001
Fiscal Year 2001
(Dollars)

	DIRECT REPAY	EDC REPAY PROJECTS	USGS CUSTOMERS	TOTAL
LANDSAT 7 PRODUCTS				
LEVEL 0R				
T100 - Landsat 7 Level 0R	845,690	25,460	66,025	937,175
T101 - Landsat 7 Level 1 Intermediate	3,578,765	46,930	47,500	3,673,195
N540 - ETM Level 0 Reformatted Single	0	4,275	0	4,275
Sub-Total	4,424,455	76,665	113,525	\$ 4,614,645
LEVEL 1 R/G				
N240 - ETM Systematic Corrected Sngl	2,828,457	69,375	224,520	3,122,352
T110 - LS-7 Level 1 Geo-Corrected HDF	125,900	0	6,625	132,525
T111 - LS-7 Level 1 Geo-Corrected Geotiff	310,525	12,100	4,875	327,500
T112 - LS-7 Level 1 Geo-Corrected FastL7A	501,900	250	1,000	503,150
T113 - LS-7 Level 1 Radiom-Corrected HDF	5,700	0	0	5,700
Sub-Total	3,772,482	81,725	237,020	\$ 4,091,227
LEVEL 1 P/T				
N340 - ETM Map Registered Sngl	9,425	0	19,575	29,000
N440 - ETM Terrain Corrected Sngl	340,515	69,840	465,320	875,675
Sub-Total	349,940	69,840	484,895	\$ 904,675
LANDSAT DERIVATIVE PRODUCTS				
D003 - Statistics	0	0	480	480
RS40 - Rom Write Once	100	150	1,350	1,600
T001 - Tape Copy	72,900	0	0	72,900
T012 - RGB/HIS Merge (4KX4K Pixels)	0	0	3,600	3,600
T102 - Landsat 7 Sample Products	4,608	160	192	4,960
Sub-Total	77,608	310	5,622	83,540
TOTAL LANDSAT 7 PRODUCTS	8,624,485	228,540	841,062	\$ 9,694,087

EDC LANDSAT 7 PRODUCT SALES REPORT - FY 2001
Fiscal Year 2001
(Items)

	DIRECT REPAY	EDC REPAY PROJECTS	USGS CUSTOMERS	TOTAL
LANDSAT 7 PRODUCTS				
LEVEL 0R				
T100 - Landsat 7 Level 0R	2,179	169	1,695	4,043
T101 - Landsat 7 Level 1 Intermediate *	0	0	0	-
N540 - ETM Level 0 Reformatted Single	0	9	0	9
Sub-Total	2,179	178	1,695	4,052
LEVEL 1 R/G				
N240 - ETM Systematic Corrected Sngl	5,358	109	385	5,852
T110 - LS-7 Level 1 Geo-Corrected HDF	1,090	0	53	1,143
T111 - LS-7 Level 1 Geo-Corrected Geotiff	2,730	97	39	2,866
T112 - LS-7 Level 1 Geo-Corrected FastL7A	4,697	2	9	4,708
T113 - LS-7 Level 1 Radiom-Corrected HDF	46	0	0	46
Sub-Total	13,921	208	486	14,615
LEVEL 1 P/T				
N340 - ETM Map Registered Sngl	19	0	26	45
N440 - ETM Terrain Corrected Sngl	663	107	1,120	1,890
Sub-Total	682	107	1,146	1,935
LANDSAT DERIVATIVE PRODUCTS				
D003 - Statistics	0	0	15	15
RS40 - Rom Write Once	2	3	27	32
T001 - Tape Copy	107	0	0	107
T012 - RGB/HIS Merge (4KX4K Pixels)	0	0	6	6
T102 - Landsat 7 Sample Products	144	5	6	155
Sub-Total	253	8	54	315
TOTAL LANDSAT 7 PRODUCTS	17,035	501	3,381	20,917

* T101 Landsat 7 Level 1 Intermediate products do not have an item value due to being counted as a single unit using the Level 1 R/G product codes.

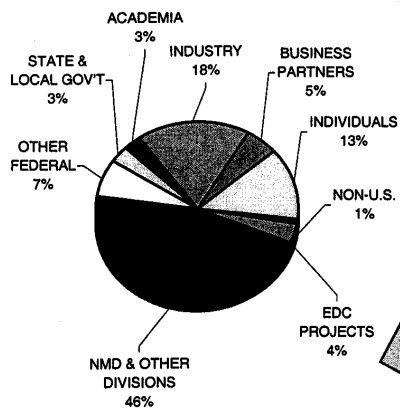
Customer Profile

USGS EDC Photographic Products

Fiscal Year 2001

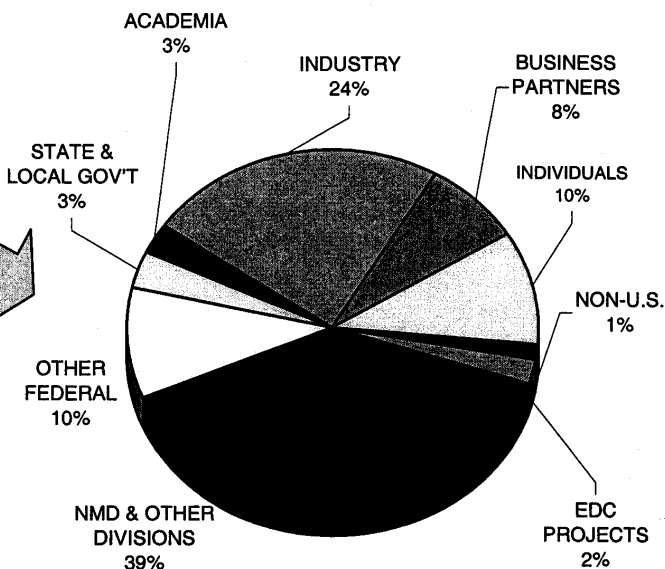
CUSTOMER CATEGORY	ITEMS	DOLLARS
EDC PROJECTS	5,726	\$ 73,996
NMD & OTHER DIVISIONS	159,420	1,270,349
OTHER FEDERAL	31,275	331,639
TOTAL FED. GOVERNMENT	196,421	\$ 1,675,984
STATE/LOCAL GOVERNMENT	9,123	104,320
ACADEMIA	8,533	95,360
INDUSTRY	37,133	777,418
BUSINESS PARTNERS	18,163	254,792
INDIVIDUALS	19,693	340,354
NON-U.S.	2,693	41,902
FY 2001 TOTAL	291,759	\$ 3,290,129
FY 2000 TOTAL	383,071	\$ 4,013,466

% of Total FY 2000 Dollars : Photo



Customer Profile

% of Total FY 2001 Dollars : Photo



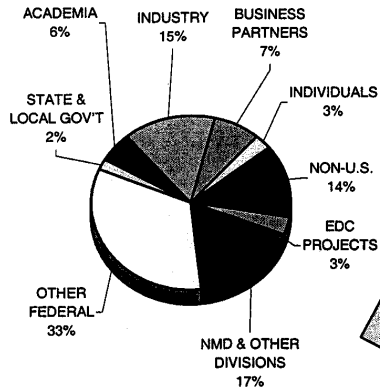
Customer Profile

USGS EDC Digital Data - All Products

Fiscal Year 2001

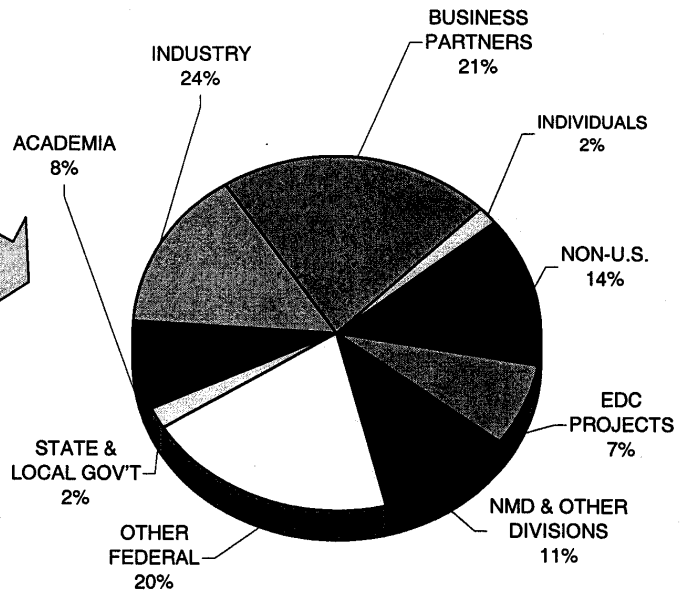
CUSTOMER CATEGORY	ITEMS	DOLLARS
EDC PROJECTS	106,440	\$ 1,242,733
NMD & OTHER DIVISIONS	132,602	1,797,700
OTHER FEDERAL	92,596	3,348,700
TOTAL FED. GOVERNMENT	331,638	\$ 6,389,132
STATE/LOCAL GOVERNMENT	37,503	313,574
ACADEMIA	19,150	1,360,047
INDUSTRY	366,121	2,415,123
BUSINESS PARTNERS	462,338	3,627,735
INDIVIDUALS	38,098	294,450
NON-U.S.	8,109	2,248,913
FY 2001 TOTAL	1,262,957	\$ 16,648,973
FY 2000 TOTAL	858,938	\$ 14,114,615

% of Total FY 2000 Dollars : Digital



Customer Profile

% of Total FY 2001 Dollars : Digital

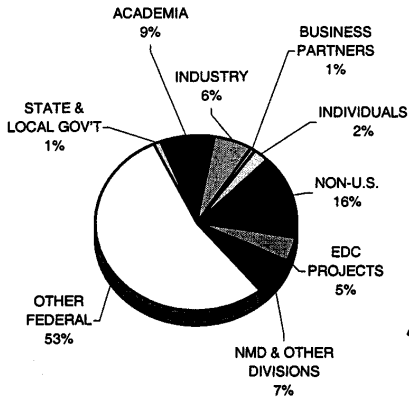


Customer Profile

USGS EDC National Land Satellite Archive - Digital Fiscal Year 2001

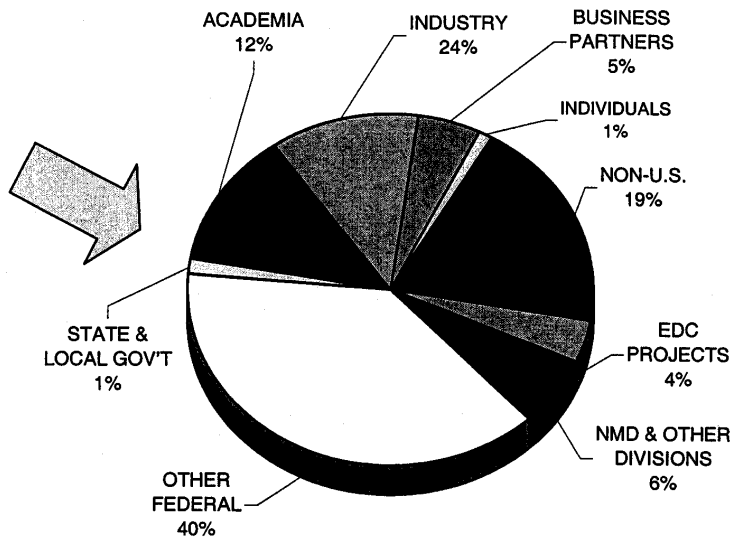
CUSTOMER CATEGORY	ITEMS	DOLLARS
EDC PROJECTS	198	\$ 58,892
NMD & OTHER DIVISIONS	533	89,985
OTHER FEDERAL	2,125	565,072
TOTAL FED. GOVERNMENT	2,856	\$ 713,949
STATE/LOCAL GOVERNMENT	39	19,110
ACADEMIA	1,407	181,977
INDUSTRY	793	175,367
BUSINESS PARTNERS	215	73,982
INDIVIDUALS	60	18,247
NON-U.S.	1,051	284,397
FY 2001 TOTAL	6,421	\$ 1,467,029
FY 2000 TOTAL	15,049	\$ 2,629,845

% of Total FY 2000 Dollars : Nat'l Land Archive



Customer Profile

% of Total FY 2001 Dollars : Nat'l Land Archive



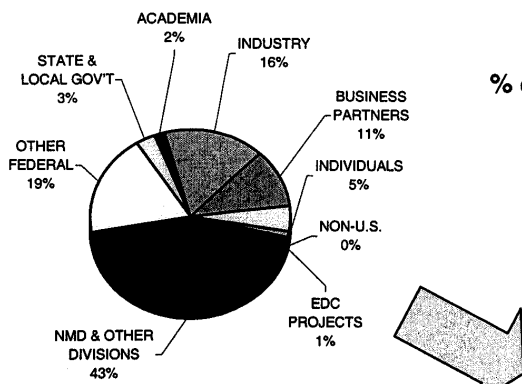
Customer Profile

USGS EDC DOQ Products - Digital

Fiscal Year 2001

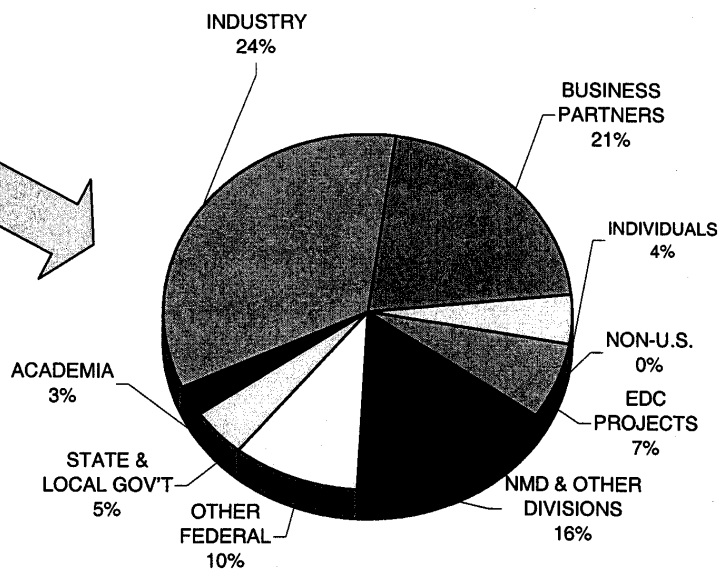
CUSTOMER CATEGORY	ITEMS	DOLLARS
EDC PROJECTS	52,432	\$ 232,585
NMD & OTHER DIVISIONS	63,749	536,178
OTHER FEDERAL	43,562	329,238
TOTAL FED. GOVERNMENT	159,743	\$ 1,098,001
STATE/LOCAL GOVERNMENT	27,881	150,075
ACADEMIA	7,442	91,432
INDUSTRY	306,667	1,138,290
BUSINESS PARTNERS	430,935	705,839
INDIVIDUALS	15,402	147,257
NON-U.S.	199	1,560
FY 2001 TOTAL	948,269	\$ 3,332,453
FY 2000 TOTAL	468,837	\$ 3,347,010

% of Total FY 2000 Dollars : DOQ



Customer Profile

% of Total FY 2001 Dollars : DOQ



Customer Profile

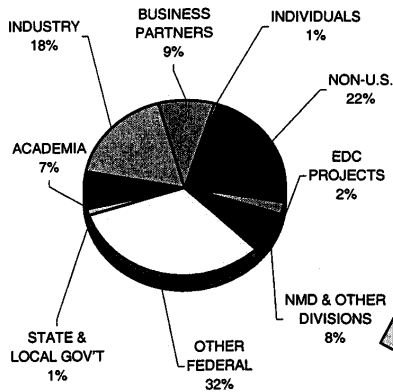
USGS EDC Landsat 7 / ETM - Digital

Fiscal Year 2001

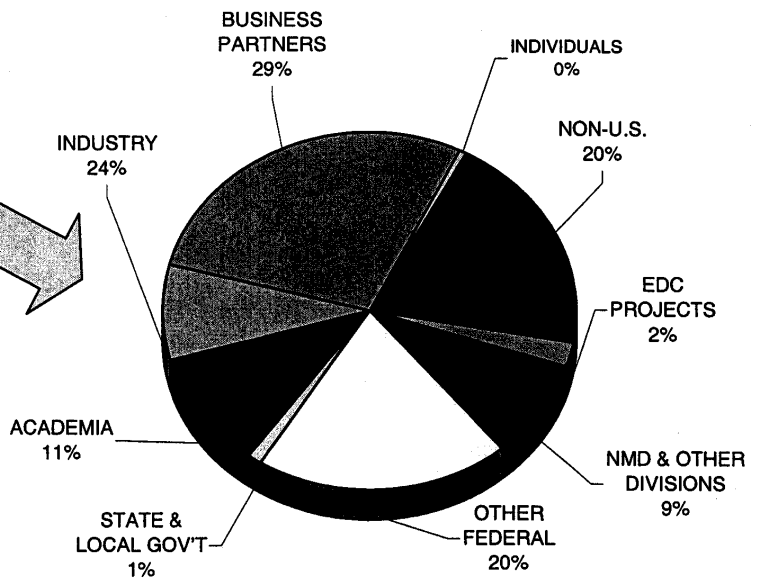
CUSTOMER CATEGORY	ITEMS	DOLLARS
EDC PROJECTS	501	\$ 228,540
NMD & OTHER DIVISIONS	3,381	841,062
OTHER FEDERAL	3,784	1,947,566
TOTAL FED. GOVERNMENT	7,666	\$ 3,017,168
STATE/LOCAL GOVERNMENT	195	111,200
ACADEMIA	1,997	1,029,016
INDUSTRY	1,488	815,858
BUSINESS PARTNERS	5,901	2,735,069
INDIVIDUALS	92	35,920
NON-U.S.	3,578	1,949,856
FY 2001 TOTAL	20,917	\$ 9,694,087
FY 2000 TOTAL	21,546	\$ 6,736,773

% of Total FY 2000 Dollars : LS-7

Customer Profile



% of Total FY 2001 Dollars : LS-7

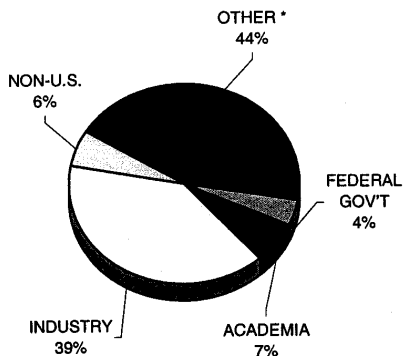


Customer Profile "No-Charge" Data Access Fiscal Year 2001

CUSTOMER CATEGORY	FILES TRANSFERRED							TOTAL FILES
	1:2M DLG	1:100K DLG	SDTS 100k DLG	SDTS 24k DLG	1-Degree DEM	SDTS 7.5M DEM	LULC	
FEDERAL GOV'T	814	35,818	5,780	171,615	12,129	69,834	2,164	298,154
ACADEMIA	2,341	120,721	14,694	308,063	47,029	520,093	7,419	1,020,360
INDUSTRY	7,774	2,035,859	146,819	1,139,091	176,549	1,803,276	59,551	5,368,919
NON-U.S.	2,005	319,082	3,445	17,116	90,504	549,720	12,874	994,746
OTHER *	12,249	3,288,395	279,664	1,817,438	314,427	3,451,129	88,849	9,252,151
FY 2001 TOTAL	25,183	5,799,875	450,402	3,453,323	640,638	6,394,052	170,857	16,934,330
FY 2000 TOTAL	36,191	3,376,840	367,647	1,837,950	636,864	4,300,888	111,172	10,667,552

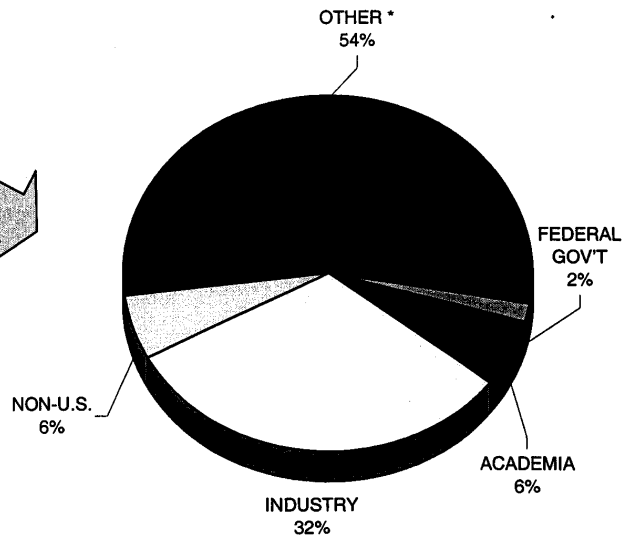
Note: These digital cartographic data were provided free of charge to customers using the Internet.

% of Total Files : FY 2000



Customer Profile

% of Total Files : FY 2001



* Customer Profile is determined from the electronic address. For example, university name.edu represents academia. "OTHER" customers are those who cannot be logically grouped, such as, name.us, name.info, etc.

Digital Data Processing Workload *

Fiscal Year 2001

Digital Data Production	Total Items Processed
NLAPS Registrations	
Systematic	9,723
Precision Corrected	373
Terrain Corrected	1,535
Level 0	4
Level 1	12
AVHRR Greenness Maps	
United States	52
Alaska	28
Humid Tropical Forest Inventory	52
National Elevation Data - NED	133
GLOBE Data Sets	
United States	1,067
International	304
Custom Image Processing	326

* Image processing or data capture tasks, such as, image registration and mosaicking, vector data capture, data base development, and image manipulation for greenness monitoring.

Digital Data Processing *

CUSTOMER CATEGORY	DOLLARS
EDC PROJECTS	523,440
NMD & OTHER DIVISIONS	53,440
OTHER FEDERAL	190,958
TOTAL FED. GOVERNMENT	\$ 767,838

* Image processing or data capture tasks, such as, image registration and mosaicking, vector data capture, data base development, and image manipulation for greenness monitoring.

EDC Photographic Products Fiscal Year 2001

BLACK-AND-WHITE PRODUCTS		
PRODUCT CATEGORY	ITEMS	DOLLARS
10" Paper	48,335	\$ 542,999
10" Film	21,184	229,078
20" Paper	6,285	117,894
40" Paper	4,172	163,591
Other	124,341	1,128,712
TOTAL	204,317	\$ 2,182,274

COLOR PRODUCTS		
PRODUCT CATEGORY	ITEMS	DOLLARS
10" Paper	19,889	\$ 277,256
10" Film	12,349	232,012
20" Paper	1,418	71,283
40" Paper	1,787	153,546
Other	35,735	292,478
TOTAL	71,178	\$ 1,026,574
HANDLING/SHIPPING CHARGES	16,264	81,280
GRAND TOTAL PRODUCTS	291,759	\$ 3,290,129

Photographic Laboratory by Production Type

Photographic Laboratory	Total Items Processed
Landsat Images	1,071
Other Satellite Images	201
Declassified Intelligence Satellite Photography	3,671
Diapositives	113,013
Aerial Photos	102,591
Custom Products	2,077
Miscellaneous	1,074
* NAPP Duping	36,494
Scanning	14,287
Microfilm	29
Handling/Shipping Charges	16,264
Other	987
Total	291,759

* National Aerial Photography Program film duplicated for archival purposes.

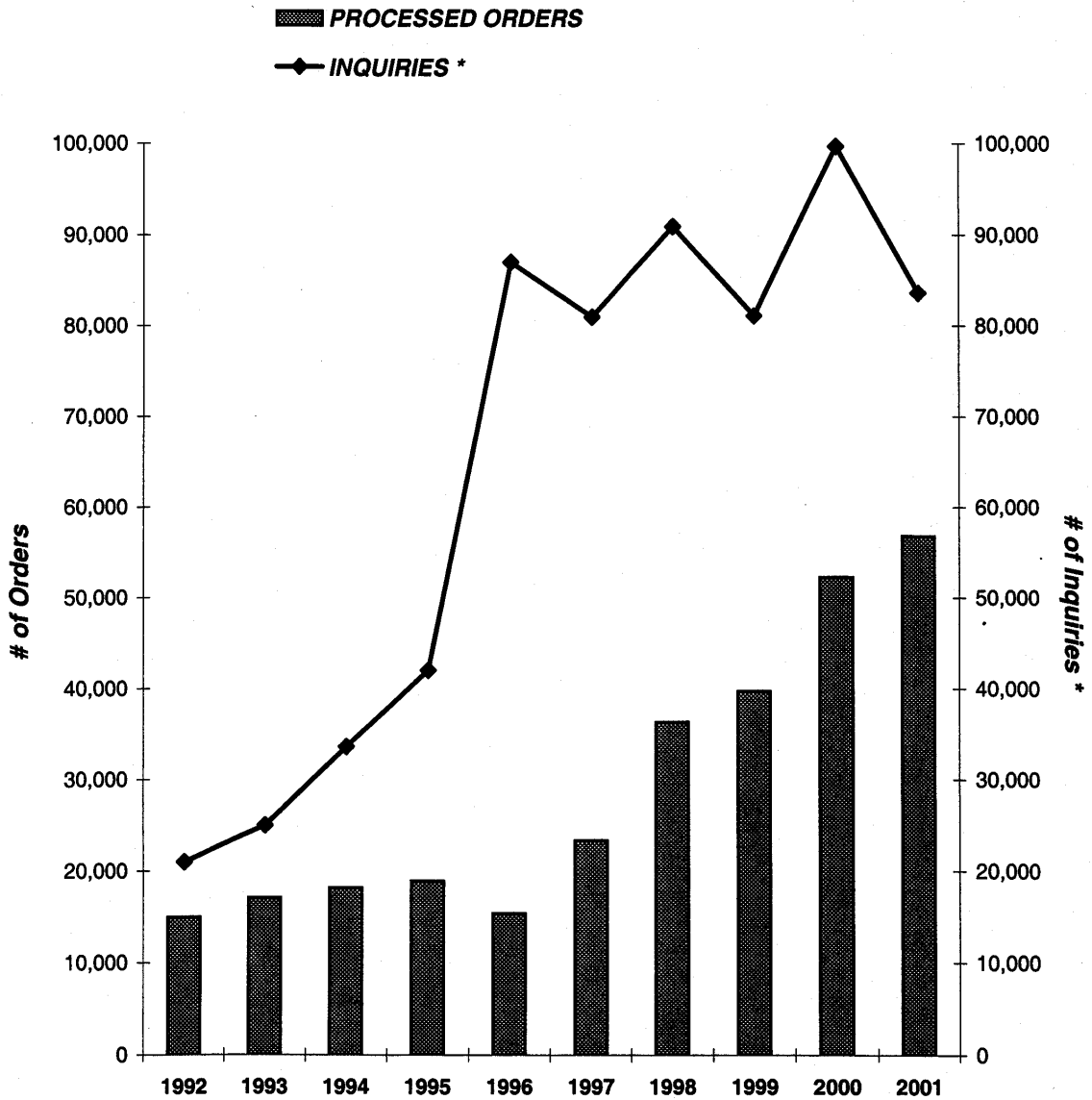
Section II

Customer Services Information

This section includes information on customer ordering and inquiry activities by the USGS EDC.

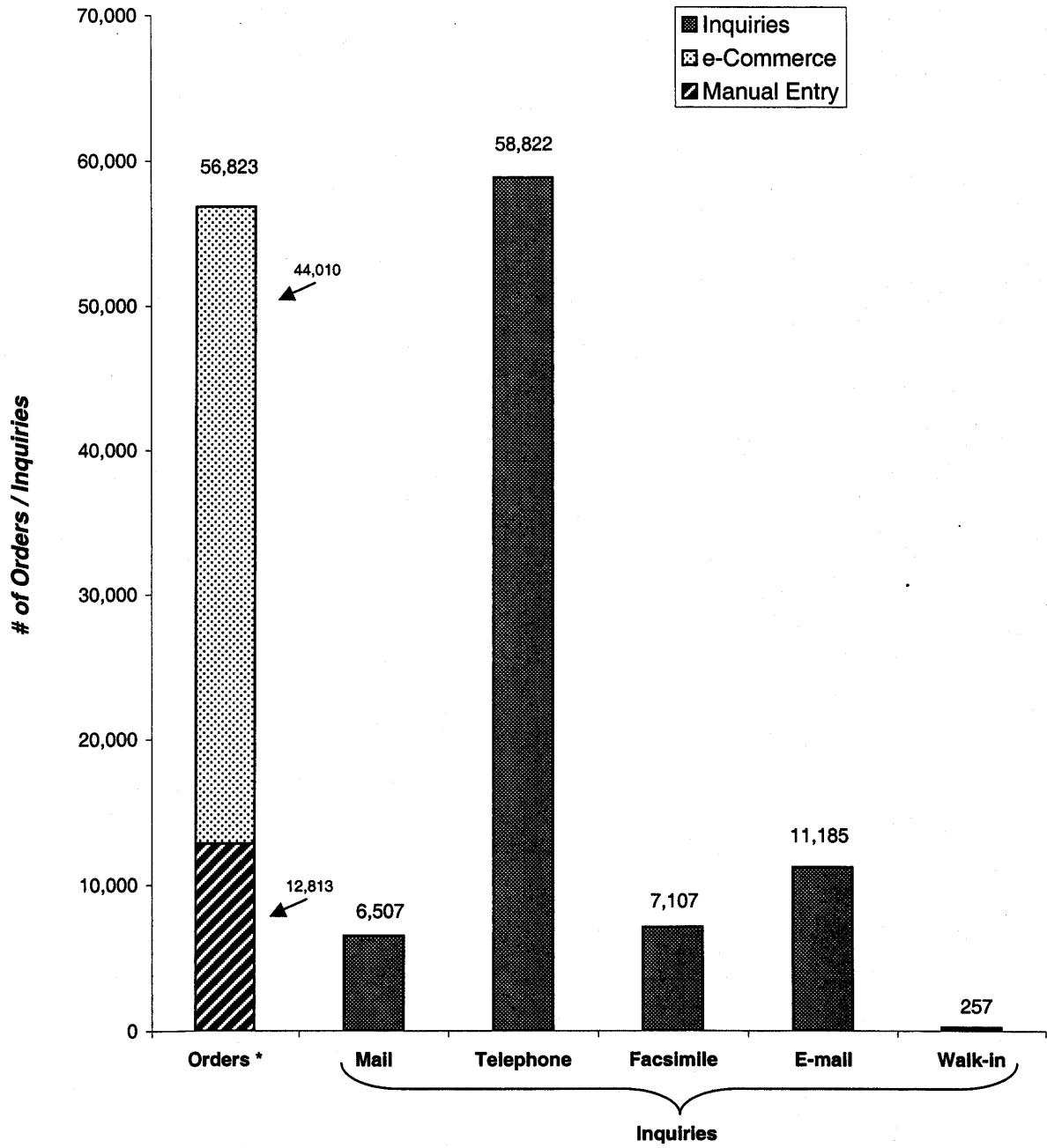
More than 83,600 user inquiries, including mail, telephone, facsimile, and/or e-mail, were received at EDC during the year. Web activity is not included in this number. Over 56,800 orders were filled from all sources.

EDC Customer Orders and Inquiries Fiscal Years 1992 - 2001



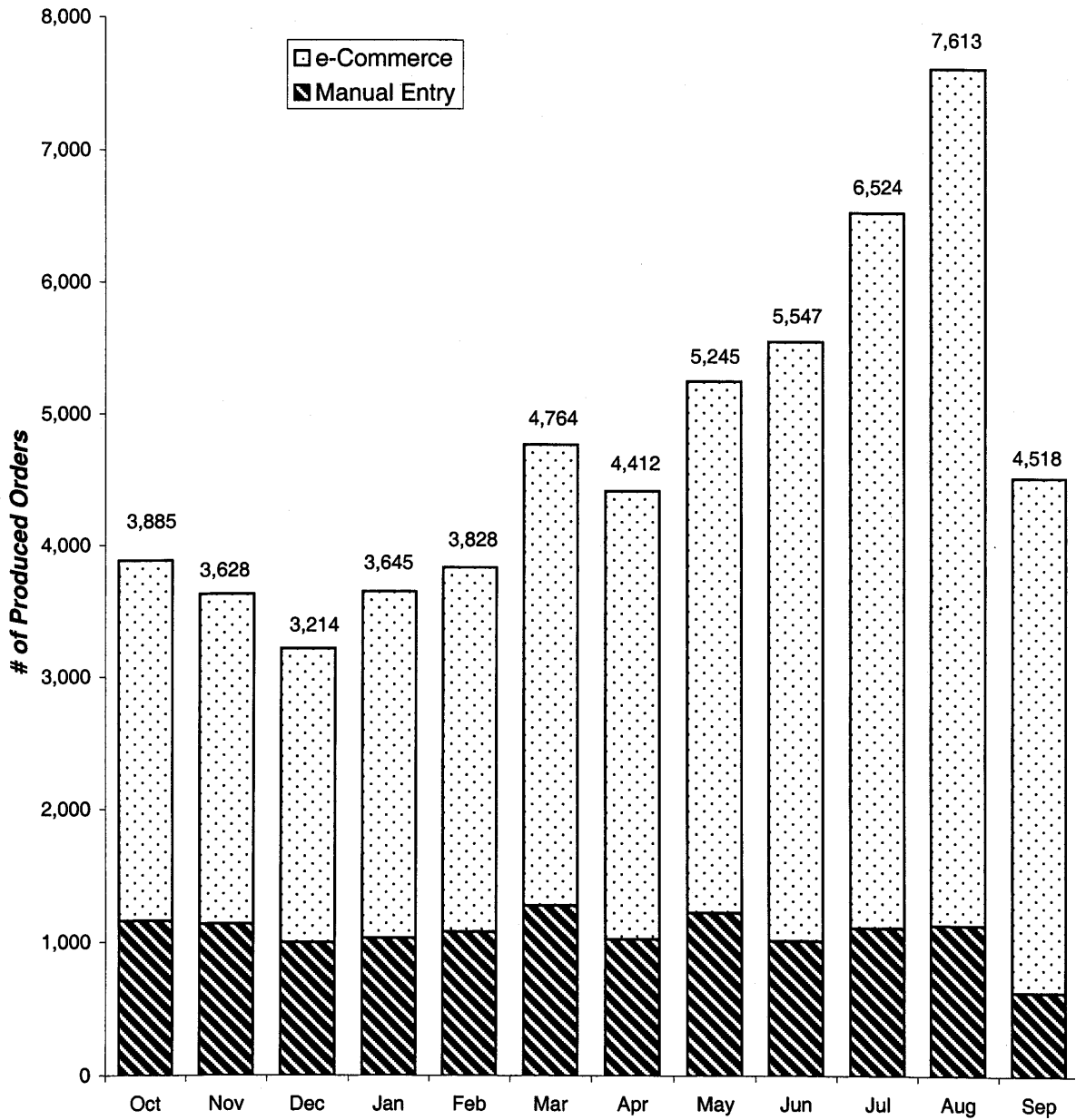
* Inquiries include mail, telephone, facsimile, and e-mail.

EDC Customer Service Order / Inquiry Activities FY 2001



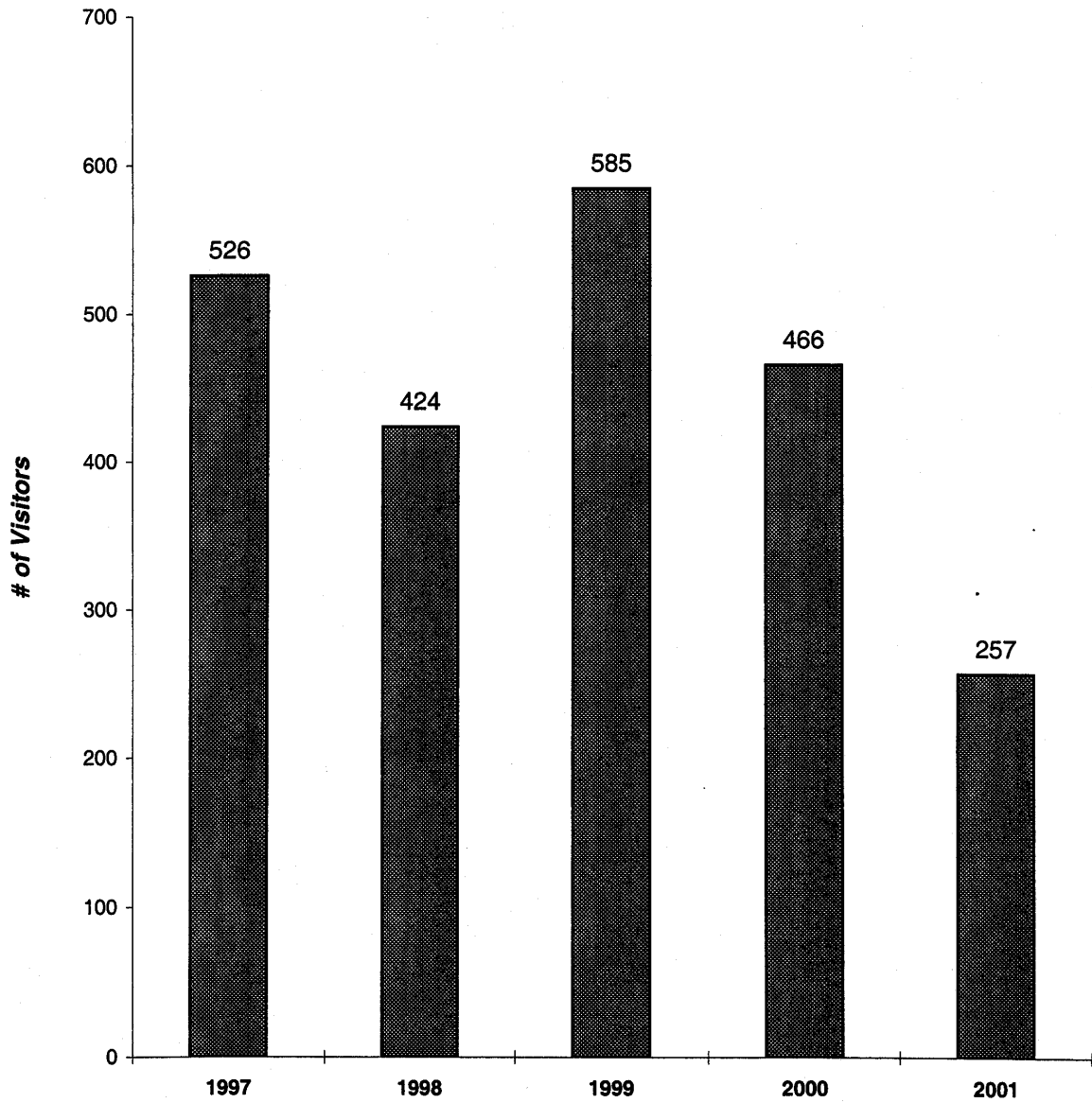
* Orders were received through a variety of methods, Earth Explorer, GLIS, Map/Photo Finder and the above inquiries

EDC Orders Placed by Month FY 2001



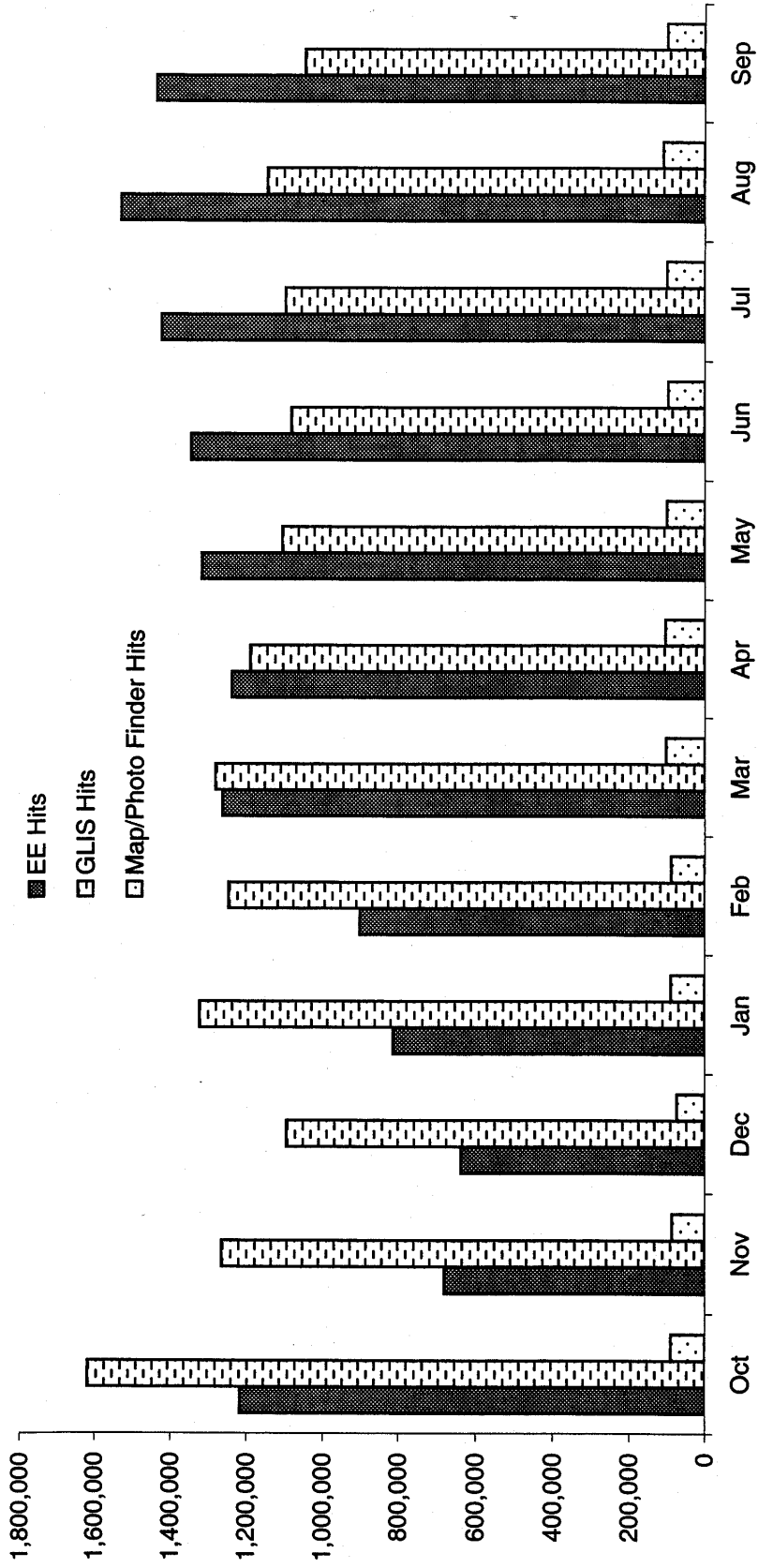
Total Orders for FY 2000 were 56,823

**EDC Scientific & Technical Browse Area
Walk-in Visitors
Fiscal Years 1997 - 2001**



EE / GLIS / MapFinder & PhotoFinder *

FY 2001



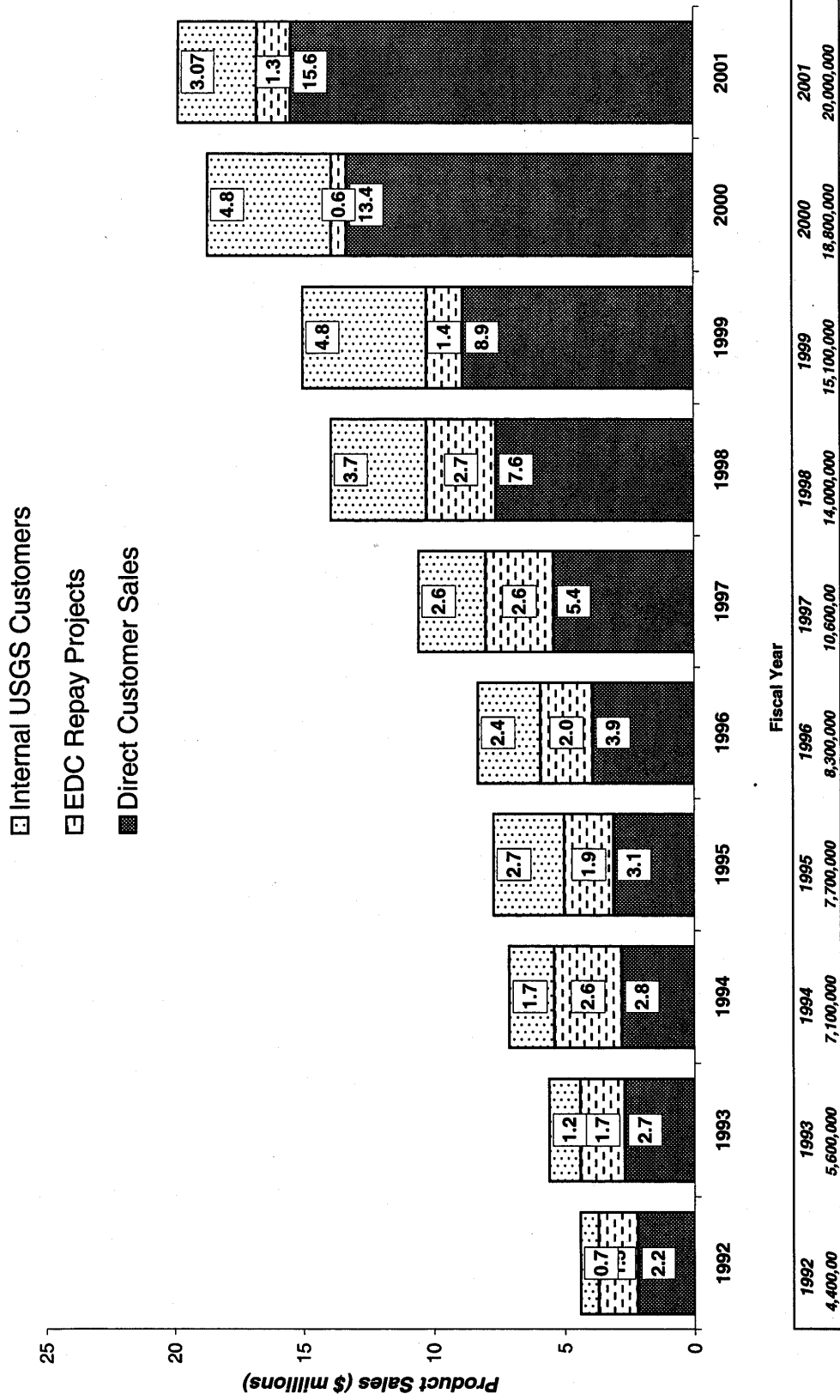
* e - Commerce activity

Section III

Historical Information

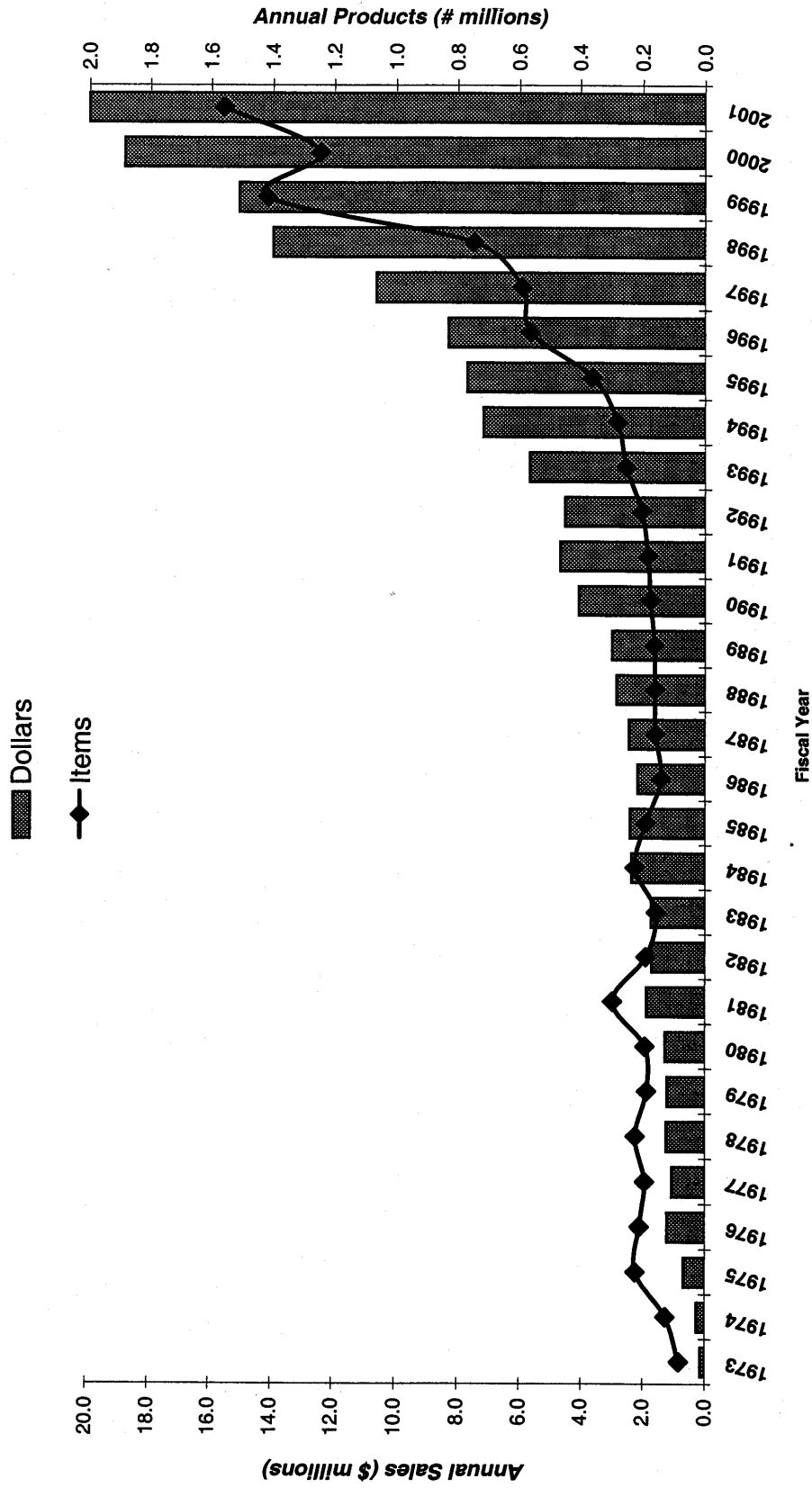
This section includes information on data produced and distributed by the EDC.

EDC Total Product Sales Dollars Fiscal Years 1992 - 2001



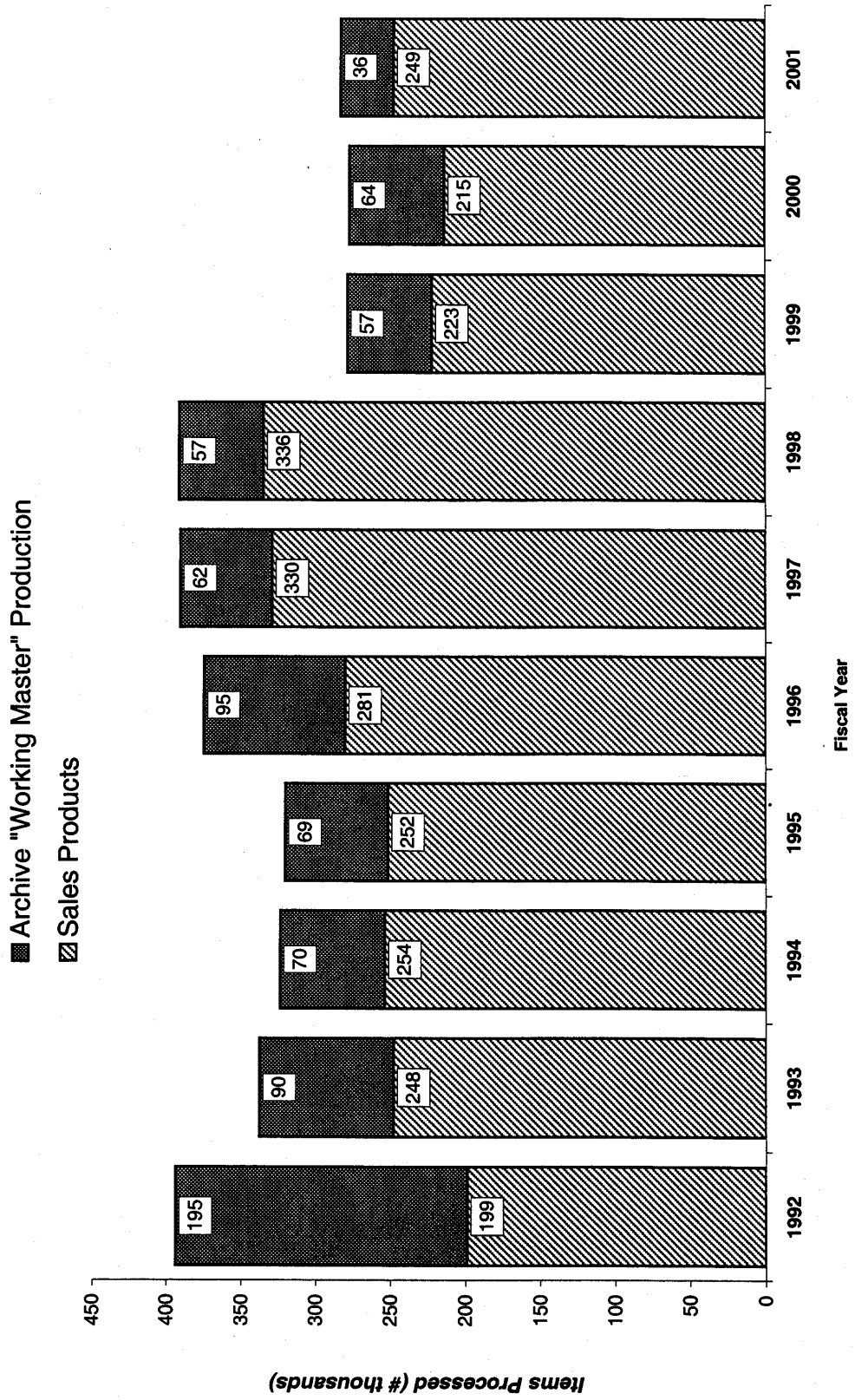
EDC Total Product Sales *

Fiscal Years 1973 - 2001

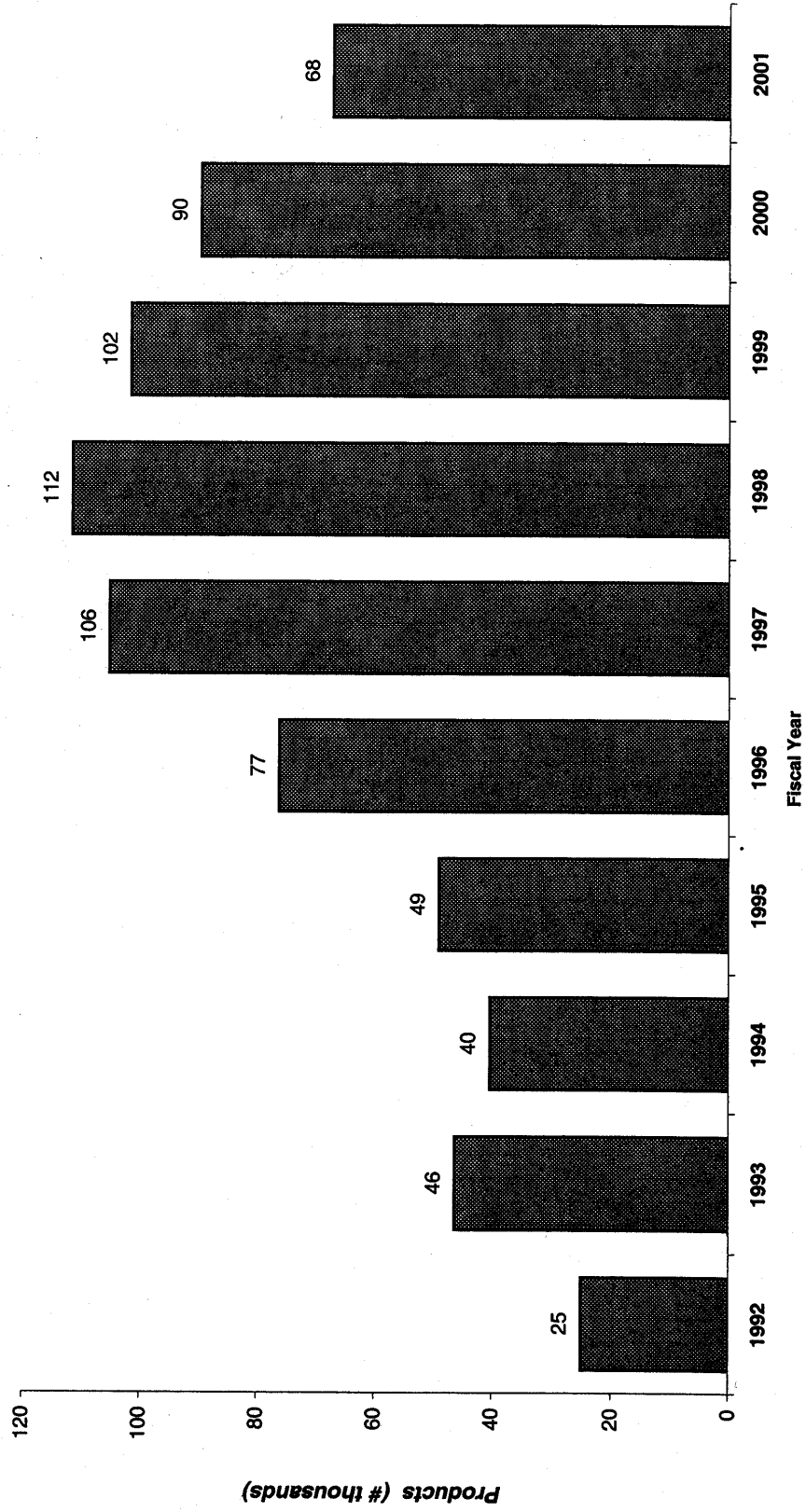


* Includes direct customer sales, EDC repay projects and sales to USGS customers.

EDC Photographic Laboratory Workload Fiscal Years 1992 - 2001

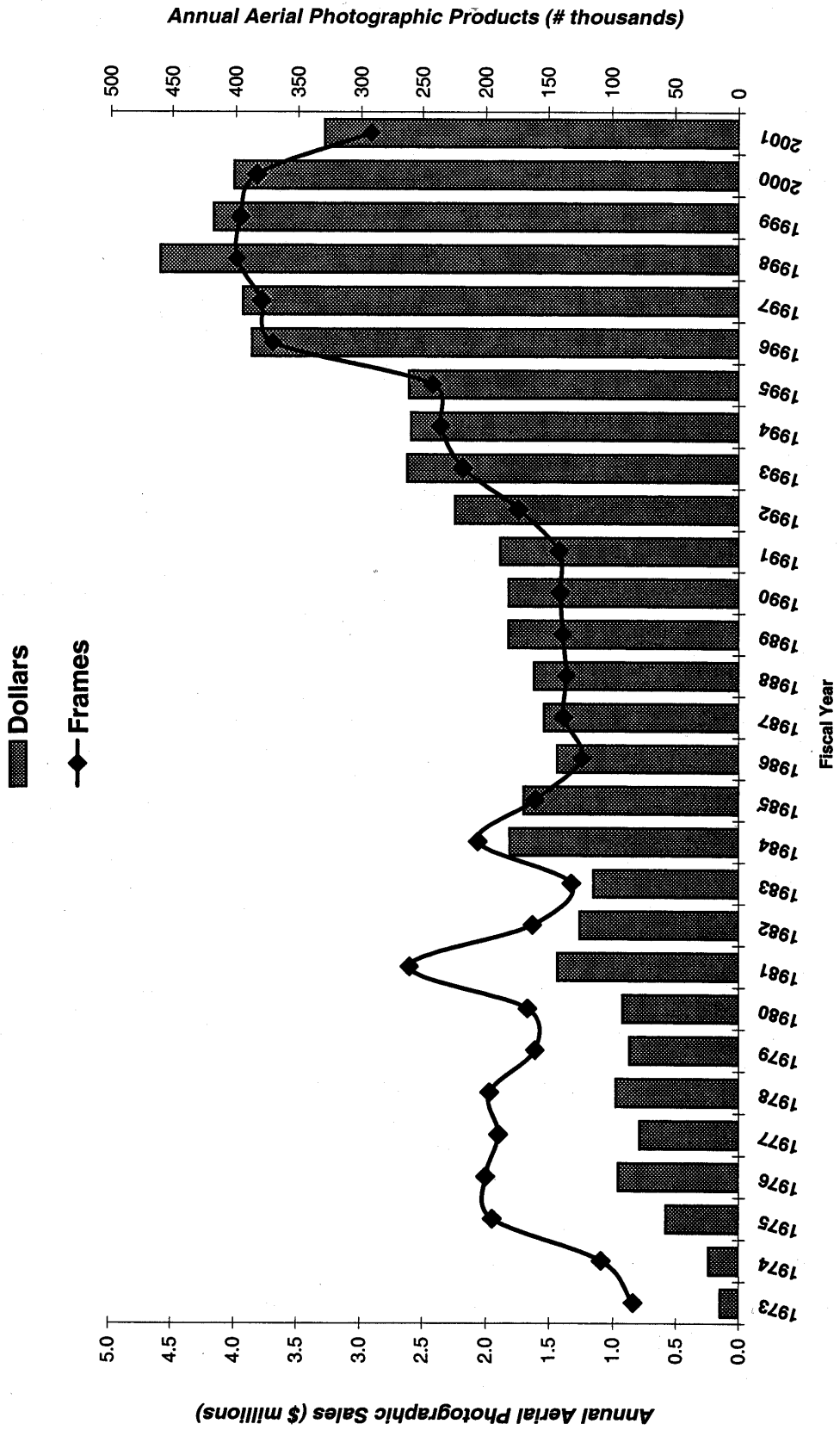


EDC Film Diapositive Workload Fiscal Years 1992 - 2001

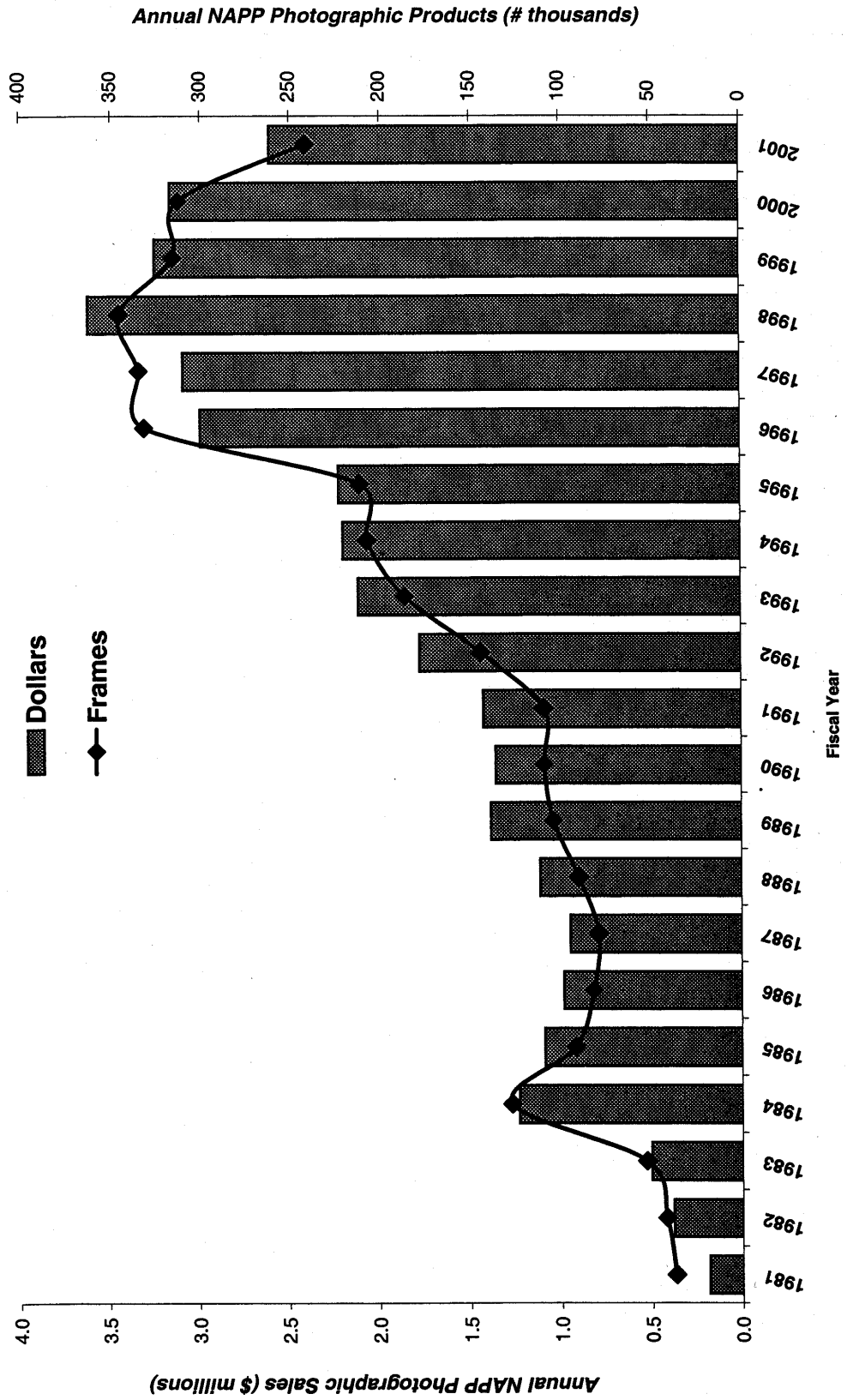


Primarily for USGS Mapping Centers, for use in map production.

Aerial Photographic Data Sales Fiscal Years 1973 - 2001

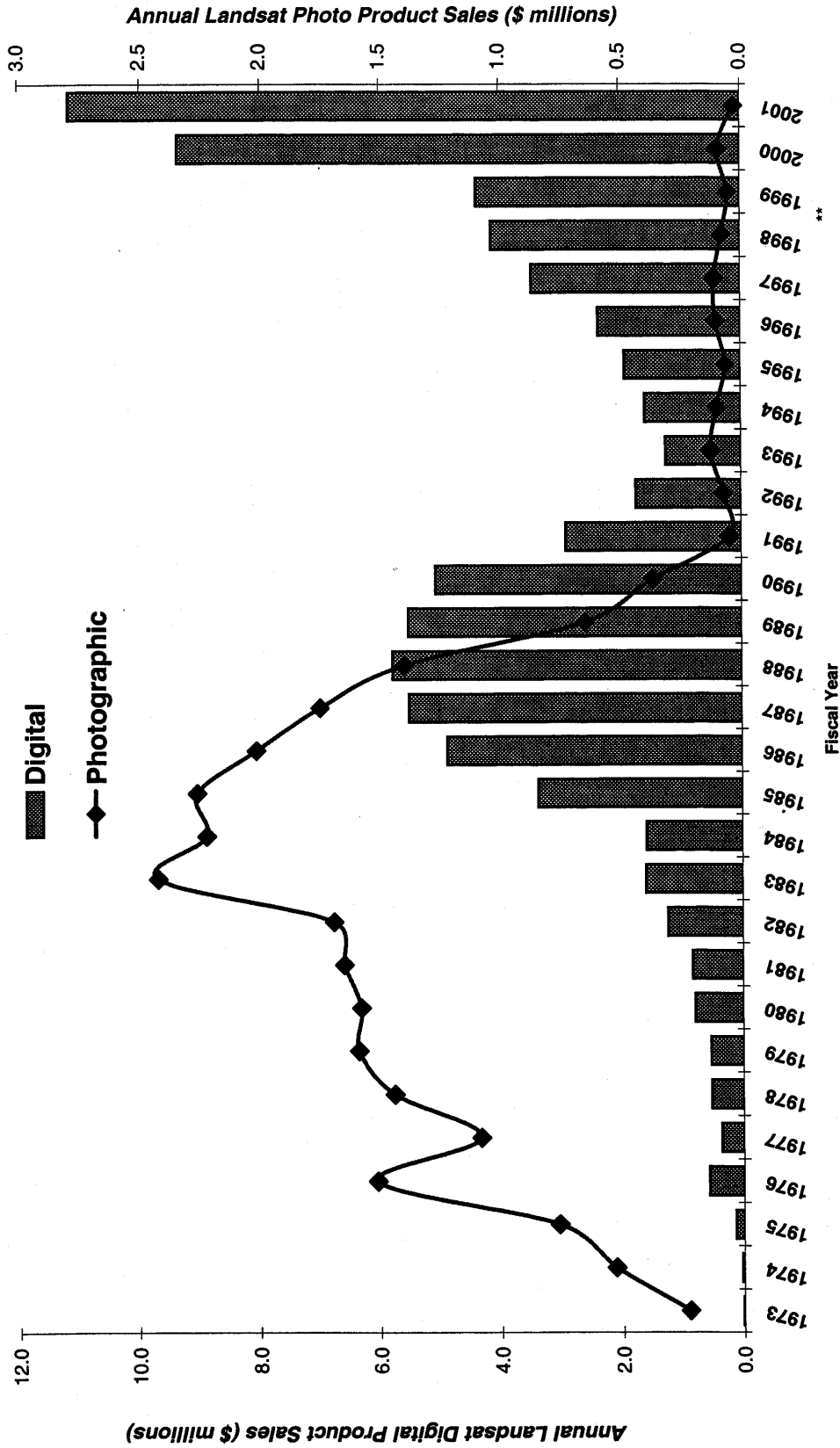


NAPP Data Sales Fiscal Years 1981 - 2001



Landsat 1-5 & 7 Sales (\$) *

Fiscal Years 1973 - 2001

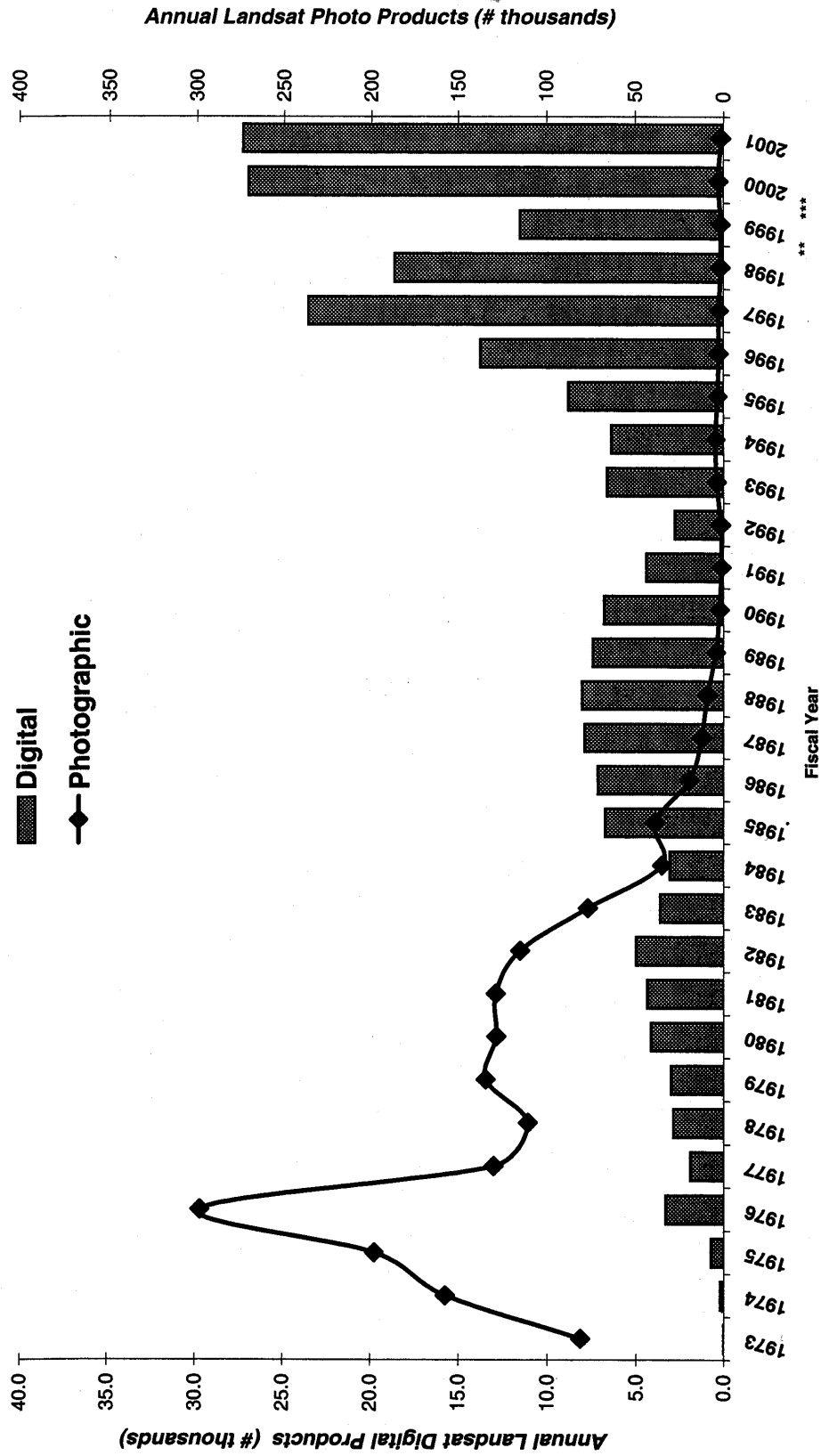


* Includes direct customer sales, EDC repay projects and sales to USGS customers.

** Landsat 7 sales began in late FY 1999.

Landsat Sales 1-5 & 7 (# of Items) *

Fiscal Years 1973 - 2001



* Includes direct customer sales, EDC repay projects and sales to USGS customers.
 ** Landsat 7 sales began in late FY 1999.
 *** Item count as reported in the FY2000 Annual Report was corrected to ensure future comparability to the way Landsat 7 items count are measured.

Historical Customer Profile Aerial Image Data Sales

FISCAL YEAR	CATEGORY	FRAMES	% OF TOTAL	DOLLARS	% OF TOTAL	
2001	FEDERAL GOVERNMENT					
	EDC PROJECTS	5,726	2%	73,996	2%	
	NMD & OTHER DIVISIONS	159,420	55%	1,270,349	39%	
	OTHER FEDERAL	31,275	11%	331,639	10%	
	STATE/LOCAL GOVERNMENT	9,123	3%	104,320	3%	
	ACADEMIA	8,533	3%	95,360	3%	
	INDUSTRY	37,133	13%	777,418	24%	
	BUSINESS PARTNERS	18,163	6%	254,792	8%	
	INDIVIDUALS	19,693	7%	340,354	10%	
	NON-U.S.	2,693	1%	41,902	1%	
	TOTAL	291,759	100%	3,290,129	100%	
2000	FEDERAL GOVERNMENT					
	USGS	264,655	69%	1,991,892	50%	
	OTHER FEDERAL	18,971	5%	278,286	7%	
	STATE/LOCAL GOVERNMENT	10,966	3%	124,563	3%	
	ACADEMIA	8,712	2%	112,026	3%	
	INDUSTRY	33,760	9%	721,128	18%	
	BUSINESS PARTNERS	11,877	3%	214,315	5%	
	INDIVIDUALS	32,227	8%	541,358	13%	
	NON-U.S.	1,903	0%	29,898	1%	
		TOTAL	383,071	100%	4,013,466	100%
1999	FEDERAL GOVERNMENT					
	USGS	258,473	65%	1,788,196	43%	
	OTHER FEDERAL	38,927	10%	522,224	13%	
	STATE/LOCAL GOVERNMENT	6,394	2%	73,552	2%	
	ACADEMIA	7,117	2%	106,404	3%	
	INDUSTRY	32,498	8%	762,992	18%	
	BUSINESS PARTNERS	16,391	4%	281,016	7%	
	INDIVIDUALS	34,500	9%	601,667	14%	
	NON-U.S.	2,047	1%	38,614	1%	
		TOTAL	396,347	100%	4,174,663	100%
1998	FEDERAL GOVERNMENT					
	USGS	254,513	64%	2,047,159	45%	
	OTHER FEDERAL	23,550	6%	376,399	8%	
	STATE/LOCAL GOVERNMENT	19,652	5%	203,680	4%	
	ACADEMIA	7,840	2%	110,026	2%	
	INDUSTRY	64,622	16%	1,260,091	27%	
	INDIVIDUALS	25,785	6%	541,268	12%	
	NON-U.S.	3,263	1%	57,230	1%	
		TOTAL	399,225	100%	4,595,850	100%

Historical Customer Profile Landsat Digital Data *

FISCAL YEAR	CATEGORY	FRAMES	% OF TOTAL	DOLLARS	% OF TOTAL
2001	FEDERAL GOVERNMENT				
	EDC PROJECTS	699	3%	287,432	3%
	NMD & OTHER DIVISIONS	3,914	14%	931,047	8%
	OTHER FEDERAL	5,909	22%	2,512,638	23%
	STATE/LOCAL GOVERNMENT	234	1%	130,310	1%
	ACADEMIA	3,404	12%	1,210,993	11%
	INDUSTRY	2,281	8%	991,225	9%
	BUSINESS PARTNERS	6,116	22%	2,809,051	25%
	INDIVIDUALS	152	1%	54,167	0%
	NON-U.S.	4,629	17%	2,234,253	20%
	TOTAL	27,338	100%	11,161,116	100%
2000	FEDERAL GOVERNMENT				
	USGS	2,958	9%	968,609	10%
	OTHER FEDERAL	14,008	43%	3,597,197	39%
	STATE/LOCAL GOVERNMENT	242	1%	111,865	1%
	ACADEMIA	1,959	6%	668,681	7%
	INDUSTRY	4,345	13%	1,339,026	14%
	BUSINESS PARTNERS	1,881	6%	618,075	7%
	INDIVIDUALS	1,099	3%	107,098	1%
	NON-U.S.	6,320	19%	1,913,591	21%
	TOTAL	32,812	100%	9,324,142	100%
1999 **	FEDERAL GOVERNMENT				
	USGS	1,391	12%	820,558	19%
	OTHER FEDERAL	5,622	49%	1,721,778	39%
	STATE/LOCAL GOVERNMENT	152	1%	124,010	3%
	ACADEMIA	996	9%	409,767	9%
	INDUSTRY	1,059	9%	412,257	9%
	BUSINESS PARTNERS	45	0%	15,013	0%
	INDIVIDUALS	276	2%	116,398	3%
	NON-U.S.	1,988	17%	752,090	17%
	TOTAL	11,529	100%	4,371,870	100%
1998	FEDERAL GOVERNMENT				
	USGS	10,315	55%	1,125,098	27%
	OTHER FEDERAL	2,478	13%	934,378	23%
	STATE/LOCAL GOVERNMENT	171	1%	52,625	1%
	ACADEMIA	883	5%	269,872	7%
	INDUSTRY	1,627	9%	477,937	12%
	INDIVIDUALS	403	2%	99,197	2%
	NON-U.S.	2,781	15%	1,169,263	28%
	TOTAL	18,658	100%	4,128,369	100%

* FY1999 Landsat Satellites 1 - 5 and 7

** FY1998 - FY1999 : Landsat Satellites 1 - 5

Historical Customer Profile Landsat Photographic Data

FISCAL YEAR	CATEGORY	FRAMES	% OF TOTAL	DOLLARS	% OF TOTAL
2001*	FEDERAL GOVERNMENT				
	EDC PROJECTS	47	4%	3,975	15%
	NMD & OTHER DIVISIONS	167	13%	10,786	42%
	OTHER FEDERAL	8	1%	163	1%
	STATE/LOCAL GOVERNMENT	3	0%	30	0%
	ACADEMIA	97	8%	820	3%
	INDUSTRY	203	16%	2,030	8%
	BUSINESS PARTNERS	109	8%	1,255	5%
	INDIVIDUALS	123	10%	1,294	5%
	NON-U.S.	527	41%	5,350	21%
	TOTAL	1,284	100%	25,702	100%
2000**	FEDERAL GOVERNMENT				
	USGS	1,609	67%	77,264	86%
	OTHER FEDERAL	28	1%	1,892	2%
	STATE/LOCAL GOVERNMENT	1	0%	10	0%
	ACADEMIA	82	3%	868	1%
	INDUSTRY	430	18%	6,566	7%
	BUSINESS PARTNERS	1	0%	18	0%
	INDIVIDUALS	161	7%	2,228	2%
	NON-U.S.	72	3%	956	1%
	TOTAL	2,384	100%	89,802	100%
1999***	FEDERAL GOVERNMENT				
	USGS	353	21%	18,138	36%
	OTHER FEDERAL	157	10%	10,640	21%
	STATE/LOCAL GOVERNMENT	0	0%	0	0%
	ACADEMIA	219	13%	3,986	8%
	INDUSTRY	434	26%	5,932	12%
	BUSINESS PARTNERS	1	0%	18	0%
	INDIVIDUALS	178	11%	2,286	5%
	NON-U.S.	304	18%	9,738	19%
	TOTAL	1,646	100%	50,737	100%
1998***	FEDERAL GOVERNMENT				
	USGS	499	32%	57,881	74%
	OTHER FEDERAL	31	2%	4,650	6%
	STATE/LOCAL GOVERNMENT	1	0%	18	0%
	ACADEMIA	21	1%	498	1%
	INDUSTRY	703	45%	9,564	12%
	INDIVIDUALS	137	9%	2,776	4%
	NON-U.S.	161	10%	2,692	3%
	TOTAL	1,553	100%	78,079	100%

* FY2001 : Landsat Satellites 1 - 5, 7, AVHRR, Large Format Camera and Shuttle.

** FY2000 : Landsat Satellites 1 - 5 and 7.

*** FY1998 - FY1999 : Landsat Satellites 1 - 5. 31

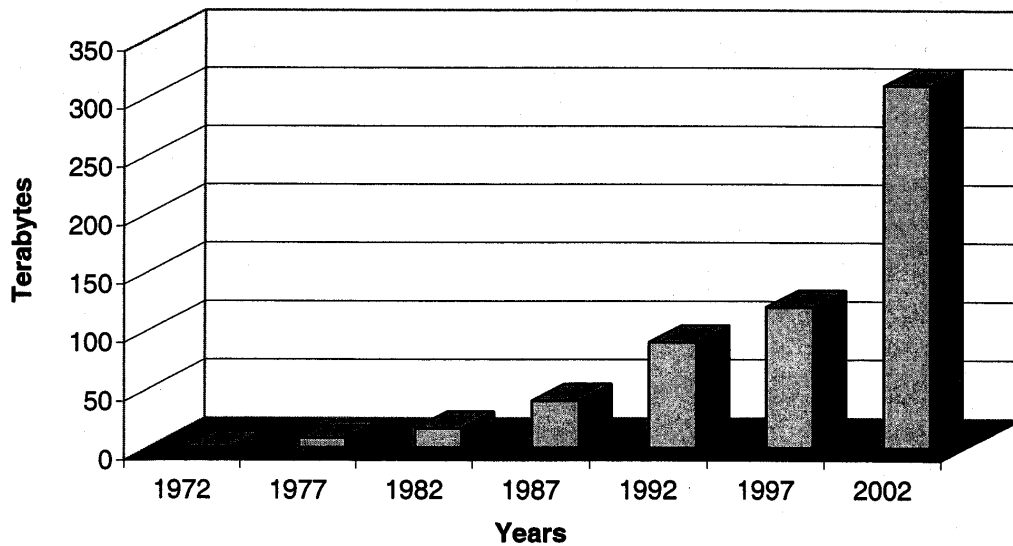
Section IV

USGS EDC Archives and Catalog

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

As of the end of fiscal year 2001, the USGS EDC had archived more than 12.4 million frames of photographic data and 247,448 tapes. This includes nearly 2.9 million frames of Landsat photographic data and 22,671 Landsat data tapes. The Landsat International Catalog maintained by the USGS EDC refers to nearly 1.3 million Landsat scenes archived in the United States, and more than 2.6 million scenes of Landsat Data held by foreign ground stations.

Archive Growth



30 years of Landsats 1-5:
145 terabytes

3 years of Landsat 7:
165 terabytes

Data Archive Report As Of September 2001

SUMMARY OF DATA ARCHIVED AT USGS EDC

PHOTOGRAPHIC DATA	ROLLS	FRAMES
AERIAL IMAGES	60,300	8,179,300
LANDSAT SATELLITE IMAGES	21,260	2,876,184
OTHER SATELLITE IMAGES	21,848	1,356,647
Sub Total	43,108	4,232,831
TOTAL PHOTOGRAPHIC DATA	103,408	12,412,131

DIGITAL DATA	MAGNETIC TAPES / QUADS	SCENES / FILES / PRODUCTS
AERIAL IMAGE DATA	4,349	10,251
LANDSAT MSS/TM IMAGE DATA	22,671	1,154,041
LANDSAT ETM IMAGE DATA	N/A	286,462
* OTHER SATELLITE IMAGE DATA	121,927	1,154,776
DIGITAL CARTOGRAPHIC DATA	97,523	564,976
EARTH SCIENCE DATA	978	7,941
TOTAL DIGITAL DATA	247,448	3,178,447

* SPOT data added to archive in FY2001.

Data Archive Report As Of September 2001

PHOTOGRAPHIC DATA ARCHIVED AT USGS EDC

AERIAL PHOTOGRAPHY		
SOURCE	ROLLS	FRAMES
US Geological Survey	17,315	2,594,715
NAPP/NHAP	14,005	2,131,661
Bureau of Land Management	592	118,312
Bureau of Reclamation	298	59,653
National Park Service	81	13,635
Bureau of Indian Affairs	48	9,638
TOTAL DEPARTMENT OF THE INTERIOR	32,339	4,927,614
Army Map Service	1,743	206,136
US Air Force	3,224	304,363
US Navy	6,562	437,956
Corps of Engineers	98	24,076
TOTAL DEPARTMENT OF DEFENSE	11,627	972,531
Ames Research Center	5,085	606,369
Johnson Space Center	7,628	1,181,132
Other	1,385	127,741
TOTAL NASA	14,098	1,915,242
OTHER SOURCE AGENCIES	2,236	363,913
TOTAL AERIAL PHOTOGRAPHY	60,300	8,179,300

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
Color Composites, MSS	N/A	18,271
Color Composites, TM	N/A	1,866
Skylab	621	50,728
Apollo/Gemini/Apollo-Soyuz	127	18,371
Shuttle	3,709	341,747
Declassified Intelligence Satellite Photography	17,391	945,801
TOTAL SATELLITE PHOTOGRAPHY	43,108	4,232,831

N/A = Information not available.

COMBINED TOTAL AERIAL & SATELLITE	103,408	12,412,131
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Data Archive Report As Of September 2001

DIGITAL DATA ARCHIVED AT USGS EDC

SOURCE	MAGNETIC TAPES	SCENES / FILES
AERIAL IMAGE DATA		
NASA Data		
TIMS / NS001	1,732	7,323
National Park Service	94	N/A
Side-Looking Airborne Radar (SLAR)	2,523	2,928
TOTAL	4,349	10,251
SATELLITE IMAGE DATA		
Landsat MSS/TM Digital Data	22,671	1,154,041
Landsat ETM Digital Data	N/A	286,462
AVHRR		
HRPT Data (EDC Direct and DOMSAT)	29,619	58,619
LAC Data Received via DOMSAT	30,873	71,791
Data Received From Other Sources	23,625	126,201
AVHRR 1-KM Orbital Segments	10,037	28,704
NASA Data		
SIR-C	3,105	18,091
ASAS	166	162
NALC	2,531	2,531
NDLC	10,397	6,536
* SPOT Data	1,105	834,240
SPOT MSI Data	367	1,337
Department of Defense Multispectral Imagery Data	9,128	5,590
Other	974	974
TOTAL	144,598	2,595,279
USGS GEO DATA (Digital Cartographic Data)		
	QUADS	PRODUCTS
7.5' DIGITAL ELEVATION MODEL (DEM)	54,274	83,021
15' DIGITAL ELEVATION MODEL (DEM)	2,886	3,689
30' DIGITAL ELEVATION MODEL (DEM)	N/A	1,569
250k DIGITAL ELEVATION MODEL (DEM)	N/A	1,385
7.5'k & 15' DIGITAL LINE GRAPH (DLG)	38,472	172,615
100k DIGITAL LINE GRAPH (DLG)	1,842	21,829
1:2 M DIGITAL LINE GRAPH (DLG)	49	323
LAND USE LAND COVER (LULC)	N/A	2,749
GTOPO 30	N/A	35
3.75' DIGITAL ORTHOPHOTOQUAD QUARTER QUAD (DOQ QQ)	N/A	218,753
7.5' DIGITAL ORTHOPHOTOQUAD FULL (DOQ)	N/A	1,432
DIGITAL ORTHOPHOTOQUAD COUNTY CD'S (DOQ)	N/A	323
DIGITAL RASTER GRAPHICS (DRG)	N/A	57,103
NATIONAL ATLAS	N/A	150
TOTAL	97,523	564,976
EARTH SCIENCE DATA		
National Uranium Resource Evaluation (NURE/LIL)	957	7,941
Geophysical Research Program	21	N/A
TOTAL	978	7,941
TOTAL DIGITAL HOLDINGS	247,448	3,178,447

N/A = Information not available.

* SPOT data added to archive in FY2001.

Landsat International Catalog Summary As Of September 2001

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	631,123 MSS	DAILY	07/72 - 10/92
	474,123 TM		08/82 - 09/01
	187,406 ETM		06/99 - 09/01
BRAZIL	32,617 MSS	05/90	05/73 - 09/87
	108,689 TM	05/95	03/84 - 01/95
CANADA	466,225 MSS	04/96	07/72 - 04/96
	188,616 TM	04/96	08/82 - 04/96
EARTHNET: ITALY	398,865 MSS	04/95	04/75 - 12/93
	135,843 TM	04/95	04/84 - 03/95
SWEDEN	479,622 MSS	04/95	04/75 - 12/93
	188,600 TM	04/95	04/84 - 03/95
MASPALOMAS (Spain)	23,918 MSS	08/91	07/84 - 12/90
	3,058 TM	04/95	11/87 - 07/94
SOUTH AFRICA	58,502 MSS	11/93	07/80 - 09/93
	38,630 TM	03/97	01/89 - 12/96
AUSTRALIA	210,671 MSS	09/91	09/79 - 08/91
JAPAN	185,459 MSS	06/99	01/79 - 01/99
	127,536 TM	03/00	04/84 - 06/99
PAKISTAN	3,256 MSS	06/90	05/89 - 12/89
	4,583 TM	06/90	05/89 - 12/89
TOTAL SCENES	2,490,258 MSS		
	1,269,678 TM		
	187,406 ETM		
	3,947,342		

(2,654,690) = LGSOWG TOTAL SCENES / NON-USGS EDC

TO DATE, USGS EDC HAS NOT RECEIVED INTERNATIONAL DATA BASE UPDATES FROM:

INDONESIA
THAILAND
PEOPLE'S REPUBLIC OF CHINA
SAUDI ARABIA
INDIA.

NOTE: FOREIGN/USA NUMBER OF MSS SCENES NO LONGER CONTAIN RBV DATA.