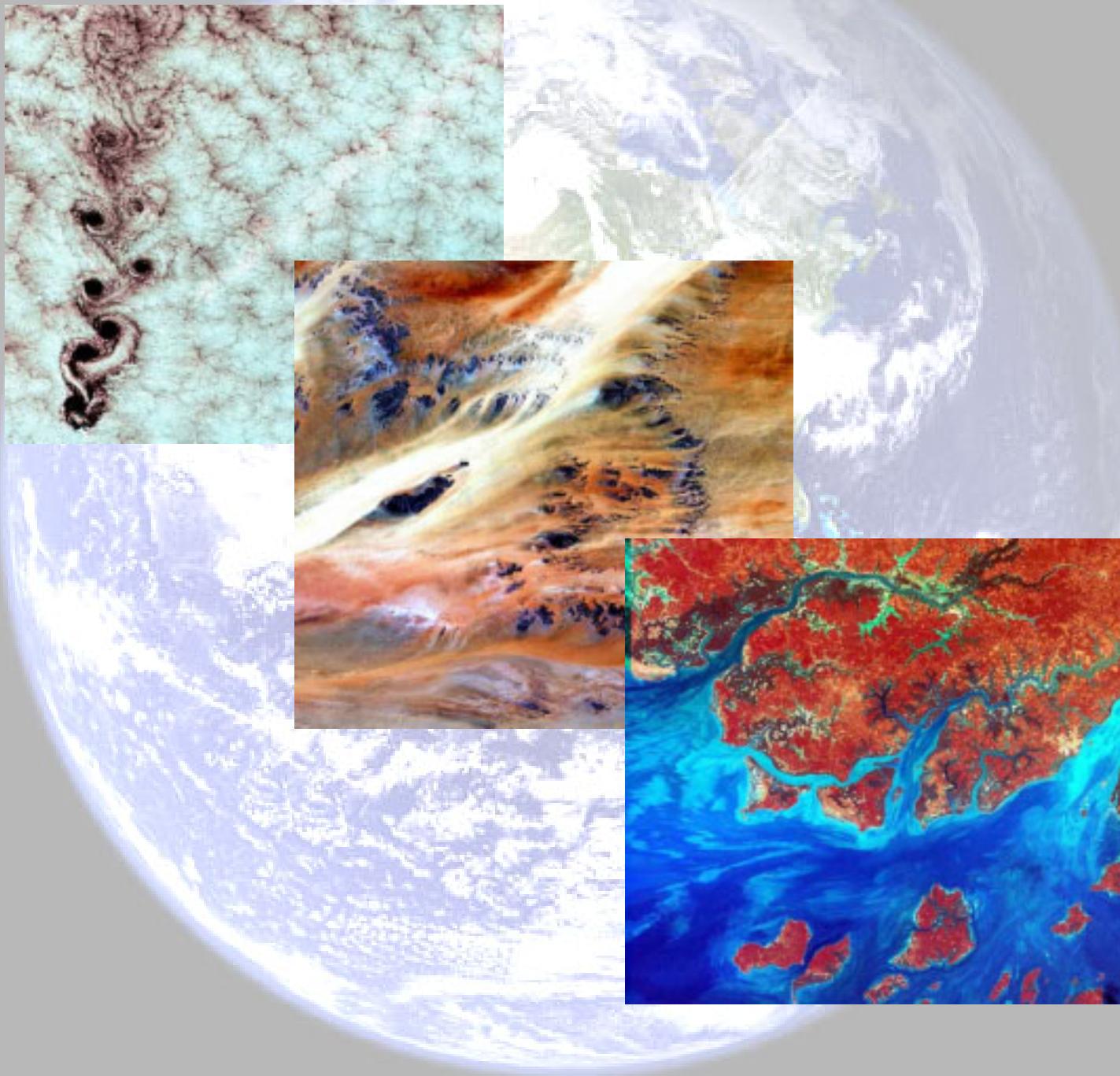


# Annual Report of Data Sales



**EROS Data Center**

**U.S. Department of Interior**

**U.S. Geological Survey**

**Sioux Falls, SD 57198**

**Fiscal Year 2003**

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# Annual Report Of Data Services

## EROS Data Center

Fiscal Year 2003

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On the cover: Excerpts from the Earth As Art collection.

Top left: Karman Vortices  
Center: Terkezi Oasis  
Bottom Right: Guinea-Bissau

This report can also be found on the Internet at the following URL:  
<http://edc.usgs.gov/about/reports>



## Section I

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### USGS EDC Products And Services

In fiscal year 2003, the USGS EDC produced and distributed over \$12.9 million worth of products and services. Of the total, nearly \$10 million was in direct sales to outside customers and more than \$600 thousand was in products and services provided through USGS EDC cooperative repay projects, for a "reimbursable" total of over \$10.6 million. The remaining \$1.06 million was for products and services distributed to users within the U.S. Geological Survey. In addition, almost 39 million files of digital data were distributed free of charge via the Internet.

	<u>Items</u>		<u>Dollars</u>
Photographic Products	123,792	\$	1,448,096
Archived Satellite Data Products	1,677		118,553
Landsat Products	21,723		7,763,274
US GeoData Products	530,916		1,306,682
LPDAAC Products	762		31,196
ASTER Products	11,351		381,888
E01 Products	2,639		1,009,025
Other Digital Data Products	2,162		210,432
Digital Data From Photographic Source	9,487		165,593
Digital Data Processing	276		273,967
Seamless Products	<u>2,947</u>		<u>216,121</u>
<b>Total</b>	<b><u>707,732</u></b>	<b>\$</b>	<b><u>12,924,827</u></b>

# EDC Sales Report

## Fiscal Year 2003

### (Dollars)

	DIRECT REPAY	EDC REPAY PROJECTS	USGS CUSTOMERS	TOTAL
<b>Photographic Data</b>				
<b>Aerial:</b> NAPP	\$ 825,965	\$ 14,302	\$ 126,426	\$ 966,693
Other	292,874	1,365	14,975	309,214
<b>Satellite:</b> Corona Satellite Photography	53,946	4,400	3,294	61,640
Landsat / Other	3,446	1,277	648	5,371
<b>Photo From Digital Source</b>	31,598	31,485	35,835	98,918
<b>Other Photographic Data</b>	3,630	1,063	768	5,461
<b>Misc Photo Products / Services (Incl S/H Chgs)</b>	20	-	778	798
<b>Photographic Data Total</b>	<b>\$ 1,211,479</b>	<b>\$ 53,893</b>	<b>\$ 182,725</b>	<b>\$ 1,448,096</b>
<b>Digital Data / Processing</b>				
<b>Archived Satellite Data Products</b>				
SPOT Data	\$ 605	\$ -	\$ 6,010	\$ 6,615
* AVHRR Images	33,947	40,974	850	75,771
Other Digital Data Products (Incl S/H Chgs)	28,362	1,491	6,314	36,167
<b>Subtotal</b>	<b>\$ 62,914</b>	<b>\$ 42,465</b>	<b>\$ 13,174</b>	<b>\$ 118,553</b>
<b>Landsat Products</b>				
<b>Landsat 1 - 5 Products</b>				
Landsat MSS (Satellites 1 - 5)	\$ 89,265	\$ 16,050	\$ 16,990	\$ 122,305
Landsat TM (Satellites 4 - 5)	1,034,533	28,655	90,760	1,153,948
Landsat Derivative Products (Satellites 4 - 5)	1,195	1,075	15	2,285
<b>Landsat 7 / ETM</b>				
Level 0R	569,763	40,660	14,155	624,578
Level 1 R/G	4,942,337	106,735	150,850	5,199,922
Level 1 P/T	431,005	16,640	171,940	619,585
Landsat Derivative Products (Incl S/H Chgs)	39,227	590	835	40,652
<b>Subtotal</b>	<b>\$ 7,107,324</b>	<b>\$ 210,405</b>	<b>\$ 445,545</b>	<b>\$ 7,763,274</b>
<b>US Geodata Products</b>				
DEM	\$ 21,629	\$ -	\$ 2,256	\$ 23,885
DLG	7,090	-	1,511	8,601
DOQ	921,058	11,210	206,392	1,138,661
DRG	39,393	254	4,141	43,788
Miscellaneous Geodata Products	132	-	-	132
MRLC Products	75,658	8,610	2,970	87,238
Microsoft Products	4,356	-	22	4,378
<b>Subtotal</b>	<b>\$ 1,069,315</b>	<b>\$ 20,074</b>	<b>\$ 217,293</b>	<b>\$ 1,306,682</b>
<b>DAAC Products</b>	\$ 7,595	\$ 23,546	\$ 55	\$ 31,196
<b>ASTER Products</b>	324,894	56,314	680	381,888
<b>E01 Products</b>	906,700	63,450	38,875	1,009,025
<b>Other Digital Data Products</b>	20,343	113,188	76,901	210,432
<b>Digital From Photographic Source</b>	5,440	4,099	156,054	165,593
<b>Digital Data Processing</b>	220,481	26,020	27,466	273,967
<b>Seamless Products</b>	129,826	82	86,213	216,121
<b>Digital Data / Processing Total</b>	<b>\$ 9,854,832</b>	<b>\$ 559,643</b>	<b>\$ 1,062,256</b>	<b>\$ 11,476,731</b>
<b>Grand Total</b>	<b>\$ 11,066,310</b>	<b>\$ 613,536</b>	<b>\$ 1,244,981</b>	<b>\$ 12,924,827</b>

\* Includes DAAC Products

## EDC Sales Report Fiscal Year 2003 (Items)

	DIRECT REPAY	EDC REPAY PROJECTS	USGS CUSTOMERS	TOTAL
<b>Photographic Data</b>				
<b>Aerial:</b> NAPP	44,873	1,470	42,040	88,383
Other	27,533	81	1,498	29,112
<b>Satellite:</b> Corona Satellite Photography	3,112	322	309	3,743
Landsat / Other	303	21	9	333
<b>Photo From Digital Source</b>	965	459	528	1,952
<b>Other Photographic Data</b>	144	41	33	218
<b>Misc Photo Products / Services (Incl S/H Chgs)</b>	5	-	46	51
<b>Photographic Data Total</b>	<b>76,935</b>	<b>2,394</b>	<b>44,463</b>	<b>123,792</b>
<b>Digital Data / Processing</b>				
<b>Archived Satellite Data Products</b>				
SPOT Data	2	-	12	14
* AVHRR Images	395	6	5	406
Other Digital Data Products (Incl S/H Chgs)	1,091	38	128	1,257
<b>Subtotal</b>	<b>1,488</b>	<b>44</b>	<b>145</b>	<b>1,677</b>
<b>Landsat Products</b>				
<b>Landsat 1 - 5 Products</b>				
Landsat MSS (Satellites 1 - 5)	601	52	66	719
Landsat TM (Satellites 4 - 5)	3,003	71	662	3,736
Landsat Derivative Products (Satellites 4 - 5)	82	7	1	90
<b>Landsat 7 / ETM</b>				
Level 0R	1,317	177	927	2,421
Level 1 R/G	9,388	223	266	9,877
Level 1 P/T	739	26	335	1,100
Landsat Derivative Products (Incl S/H Chgs)	3,590	96	95	3,781
<b>Subtotal</b>	<b>18,720</b>	<b>652</b>	<b>2,352</b>	<b>21,724</b>
<b>US Geodata Products</b>				
DEM	13,498	-	5,267	18,765
DLG	4,900	-	1,205	6,105
DOQ	391,668	881	76,702	469,251
DRG	31,498	62	2,814	34,374
Miscellaneous Geodata Products	9	-	-	9
MRLC Products	1,943	195	75	2,213
Microsoft Products	198	-	1	199
<b>Subtotal</b>	<b>443,714</b>	<b>1,138</b>	<b>86,064</b>	<b>530,916</b>
<b>DAAC Products</b>	727	31	4	762
<b>ASTER Products</b>	6,881	4,453	17	11,351
<b>E01 Products</b>	1,479	1,086	74	2,639
<b>Other Digital Data Products</b>	352	297	1,513	2,162
<b>Digital From Photographic Source</b>	410	187	8,890	9,487
<b>Digital Data Processing</b>	62	99	115	276
<b>Seamless Products</b>	2,593	3	351	2,947
<b>Digital Data / Processing Total</b>	<b>476,426</b>	<b>7,990</b>	<b>99,525</b>	<b>583,941</b>
<b>Grand Total</b>	<b>553,361</b>	<b>10,384</b>	<b>143,988</b>	<b>707,733</b>

\* Includes DAAC Products

**EDC Landsat Product Sales Report**  
**Fiscal Year 2003**  
**(Dollars)**

	Direct Repay	EDC Repay Projects	USGS Customers	Total
<b>Landsat 1 - 5 Products</b>				
<b>MSS</b>				
MSS Systematic Corrected Sngl	\$ 71,360	\$ 1,000	\$ 5,400	\$ 77,760
MSS Systematic Multi	780	-	-	780
MSS Map Registered Sngl	600	-	300	900
MSS Terrain Corrected Sngl	15,525	15,000	11,250	41,775
<b>Subtotal</b>	<b>\$ 88,265</b>	<b>\$ 16,000</b>	<b>\$ 16,950</b>	<b>\$ 121,215</b>
<b>TM</b>				
TM Systematic Corrected Sngl	\$ 490,618	\$ 12,325	\$ 17,425	\$ 520,368
TM Systematic Multi	116,430	2,275	5,425	124,130
TM Map Registered Sngl	136,550	-	-	136,550
TM Map-Reg-Multi	960	-	-	960
TM Terrain Corrected Sngl	242,450	14,000	52,000	308,450
TM Terrain-Corrected Multi	43,115	-	15,840	58,955
TM Level 0 Raw Sngl	480	-	-	480
TM Level 1 Radiometric Corrected Sngl	-	-	-	-
<b>Subtotal</b>	<b>\$ 1,030,603</b>	<b>\$ 28,600</b>	<b>\$ 90,690</b>	<b>\$ 1,149,893</b>
<b>Landsat Derivative Products</b>				
CEES Data	\$ 60	\$ -	\$ -	\$ 60
NLDC Data	705	-	15	720
Humid Trop Forest Processed MS	315	735	-	1,050
Humid Trop Forest Processed TM	75	255	-	330
Global Change Landsat TM Data	15	85	-	100
Tape Copy	-	-	-	-
<b>Subtotal</b>	<b>\$ 1,170</b>	<b>\$ 1,075</b>	<b>\$ 15</b>	<b>\$ 2,260</b>
<b>Shipping</b>				
Handling Fee	\$ 3,640	\$ 85	\$ 110	\$ 3,835
International Shipping	1,615	20	-	1,635
<b>Subtotal</b>	<b>\$ 5,255</b>	<b>\$ 105</b>	<b>\$ 110</b>	<b>\$ 5,470</b>
<b>Total Landsat 1 - 5 Products</b>	<b>\$ 1,125,293</b>	<b>\$ 45,780</b>	<b>\$ 107,765</b>	<b>\$ 1,278,838</b>

**EDC Landsat Product Sales Report (con't)**  
**Fiscal Year 2003**  
**(Dollars)**

	Direct Repay	EDC Repay Projects	USGS Customers	Total
<b>Landsat 7 Products</b>				
<b>Level 0R</b>				
Landsat 7 Level 0R	\$ 421,705	\$ 25,460	\$ 4,275	\$ 451,440
Landsat 7 Level 1 Intermediate	(475)	-	-	(475)
L0R HDF	117,595	-	-	117,595
L0R Intermediate	-	-	-	-
ETM Level 0 Reformatted Single	16,578	15,200	9,880	41,658
ETM Level 0 Reformatted Multi	14,360	-	-	14,360
<b>Subtotal</b>	<b>\$ 569,763</b>	<b>\$ 40,660</b>	<b>\$ 14,155</b>	<b>\$ 624,578</b>
<b>Level 1 R/G</b>				
ETM Systematic Corrected Sngl	\$ 3,231,932	\$ 99,085	\$ 93,840	\$ 3,424,857
ETM Systematic Multi	227,190	2,300	10,550	240,040
LS-7 Level 1 Geo-Corrected HDF	404,160	-	6,120	410,280
LS-7 Level 1 Geo-Corrected Geotiff	445,315	-	38,640	483,955
LS-7 Level 1 Geo-Corrected FastL7A	483,360	600	-	483,960
LS-7 Level 1 Radiom-Corrected HDF	20,400	-	-	20,400
L1G HDF	29,410	-	-	29,410
L1G GeoTiff	58,700	4,500	1,700	64,900
L1G Fast L7A	40,670	250	-	40,920
L1R HDF	1,200	-	-	1,200
<b>Subtotal</b>	<b>\$ 4,942,337</b>	<b>\$ 106,735</b>	<b>\$ 150,850</b>	<b>\$ 5,199,922</b>
<b>Level 1 P/T</b>				
ETM Map Registered Sngl	\$ 3,625	\$ -	\$ 725	\$ 4,350
ETM Map-Reg Multi	-	-	1,450	1,450
ETM Terrain Corrected Sngl	413,350	16,640	163,590	593,580
ETM Terrain-Cor Multi	13,730	-	6,175	19,905
<b>Subtotal</b>	<b>\$ 430,705</b>	<b>\$ 16,640</b>	<b>\$ 171,940</b>	<b>\$ 619,285</b>
<b>Landsat Derivative Products</b>				
Statistics	\$ -	\$ -	\$ -	\$ -
Rom Write Once	100	-	400	500
Tape Copy	12,000	-	-	12,000
RGB/HIS Merge (4KX4K Pixels)	-	-	-	-
Landsat 7 Sample Products	1,952	-	-	1,952
<b>Subtotal</b>	<b>\$ 14,052</b>	<b>\$ -</b>	<b>\$ 400</b>	<b>\$ 14,452</b>
<b>Shipping</b>				
Handling Fee	\$ 14,495	\$ 410	\$ 415	\$ 15,320
International Shipping	10,680	180	20	10,880
<b>Subtotal</b>	<b>\$ 25,175</b>	<b>\$ 590</b>	<b>\$ 435</b>	<b>\$ 26,200</b>
<b>Total Landsat 7 Products</b>	<b>\$ 5,982,031</b>	<b>\$ 164,625</b>	<b>\$ 337,780</b>	<b>\$ 6,484,436</b>
<b>Total Landsat Products</b>	<b>\$ 7,107,324</b>	<b>\$ 210,405</b>	<b>\$ 445,545</b>	<b>\$ 7,763,274</b>

# EDC Landsat Product Sales Report

## Fiscal Year 2003

### (Items)

	Direct Reply	EDC Reply Projects	USGS Customers	Total
<b>Landsat 1 - 5 Products</b>				
<b>MSS</b>				
MSS Systematic Corrected Sngl	389	5	27	421
MSS Systematic Multi	4	-	-	4
MSS Map Registered Sngl	2	-	1	3
MSS Terrain Corrected Sngl	45	40	30	115
<b>Subtotal</b>	<b>440</b>	<b>45</b>	<b>58</b>	<b>543</b>
<b>TM</b>				
TM Systematic Corrected Sngl	1,294	29	67	1,390
TM Systematic Multi	218	3	9	230
TM Map Registered Sngl	310	-	-	310
TM Map-Reg-Multi	1	-	-	1
TM Terrain Corrected Sngl	463	28	102	593
TM Terrain-Corrected Multi	49	-	20	69
TM Level 0 Raw Sngl	2	-	75	77
TM Level 1 Radiometric Corrected Sngl	-	-	31	31
<b>Subtotal</b>	<b>2,337</b>	<b>60</b>	<b>304</b>	<b>2,701</b>
<b>Landsat Derivative Products</b>				
CEES Data	4	-	-	4
NLDC Data	47	-	1	48
Humid Trop Forest Processed MS	21	3	-	24
Humid Trop Forest Processed TM	5	3	-	8
Global Change Landsat TM Data	1	1	-	2
Tape Copy	-	-	342	342
<b>Subtotal</b>	<b>78</b>	<b>7</b>	<b>343</b>	<b>428</b>
<b>Shipping</b>				
Handling Fee	739	17	24	780
International Shipping	92	1	-	93
<b>Subtotal</b>	<b>831</b>	<b>18</b>	<b>24</b>	<b>873</b>
<b>Total Landsat 1 - 5 Products</b>	<b>3,686</b>	<b>130</b>	<b>729</b>	<b>4,545</b>



**EDC Landsat Product Sales Report (con't)**  
**Fiscal Year 2003**  
**(Items)**

	Direct Repay	EDC Repay Projects	USGS Customers	Total
<b>Landsat 7 Products</b>				
<b>Level 0R</b>				
Landsat 7 Level 0R	1,087	128	897	2,112
Landsat 7 Level 1 Intermediate	0	0	0	0
L0R HDF	172	9	2	183
L0R Intermediate	0	0	0	0
ETM Level 0 Reformatted Single	40	40	26	106
ETM Level 0 Reformatted Multi	18	0	2	20
<b>Subtotal</b>	<b>1,317</b>	<b>177</b>	<b>927</b>	<b>2,421</b>
<b>Level 1 R/G</b>				
ETM Systematic Corrected Sngl	6,364	201	158	6,723
ETM Systematic Multi	295	3	13	311
LS-7 Level 1 Geo-Corrected HDF	711	1	13	725
LS-7 Level 1 Geo-Corrected Geotiff	847	3	79	929
LS-7 Level 1 Geo-Corrected FastL7A	956	5	1	962
LS-7 Level 1 Radiom-Corrected HDF	39	0	0	39
L1G HDF	44	0	0	44
L1G GeoTiff	78	5	2	85
L1G Fast L7A	52	5	0	57
L1R HDF	2	0	0	2
<b>Subtotal</b>	<b>9,388</b>	<b>223</b>	<b>266</b>	<b>9,877</b>
<b>Level 1 P/T</b>				
ETM Map Registered Sngl	5	0	1	6
ETM Map-Reg Multi	0	0	2	2
ETM Terrain Corrected Sngl	721	26	328	1,075
ETM Terrain-Cor Multi	12	0	4	16
<b>Subtotal</b>	<b>738</b>	<b>26</b>	<b>335</b>	<b>1,099</b>
<b>Landsat Derivative Products</b>				
Statistics	0	0	0	0
Rom Write Once	2	0	8	10
Tape Copy	20	0	0	20
RGB/HIS Merge (4KX4K Pixels)	0	0	0	0
Landsat 7 Sample Products	61	0	0	61
<b>Subtotal</b>	<b>83</b>	<b>0</b>	<b>8</b>	<b>91</b>
<b>Shipping</b>				
Handling Fee	2,915	82	85	3,082
International Shipping	592	14	2	608
<b>Subtotal</b>	<b>3,507</b>	<b>96</b>	<b>87</b>	<b>3,690</b>
<b>Total Landsat 7 Products</b>	<b>15,033</b>	<b>522</b>	<b>1,623</b>	<b>17,178</b>
<b>Total Landsat Products</b>	<b>18,719</b>	<b>652</b>	<b>2,010</b>	<b>21,723</b>

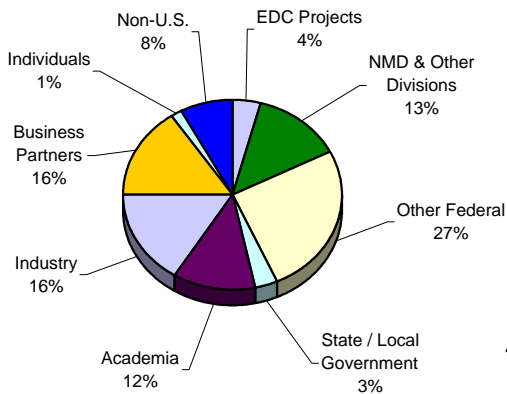
# Customer Profile

## USGS EDC Landsat 1 - 5 Products - Digital

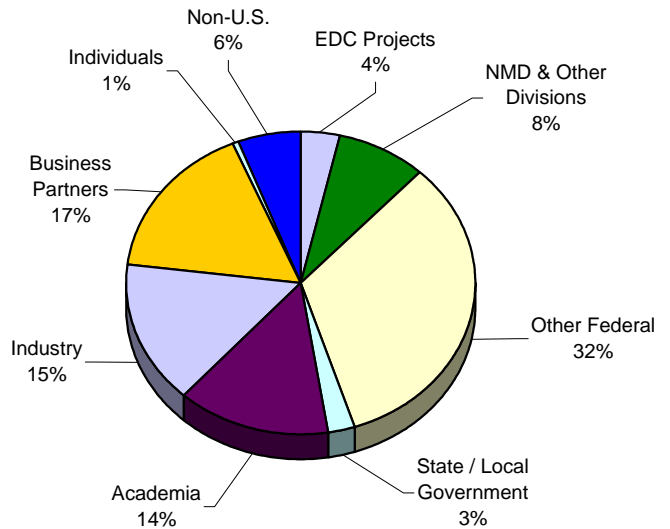
### Fiscal Year 2003

Customer Category	Items	Dollars
<b>Federal Government</b>		
EDC Projects	130	\$ 45,780
NMD & Other Divisions	729	107,765
Other Federal	1,030	420,230
<b>Total Federal Government</b>	<b>1,889</b>	<b>\$ 573,775</b>
<b>State / Local Government</b>		
Academia	659	183,635
Industry	610	193,665
Business Partners	896	213,520
Individuals	37	9,075
Non-U.S.	357	72,965
<b>FY 2003 Total</b>	<b>4,545</b>	<b>\$ 1,278,838</b>
<b>FY 2002 Total</b>	<b>5,357</b>	<b>\$ 1,743,921</b>

**% of Total FY 2002 Dollars :  
Landsat 1 - 5 Products**



**% of Total FY 2003 Dollars :  
Landsat 1 - 5 Products**



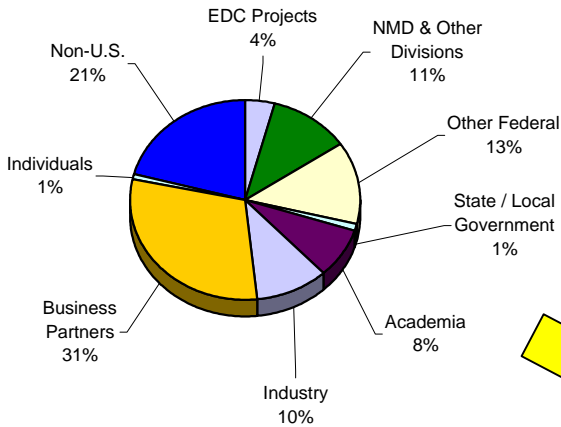
# Customer Profile

## USGS EDC Landsat 7 Products - Digital

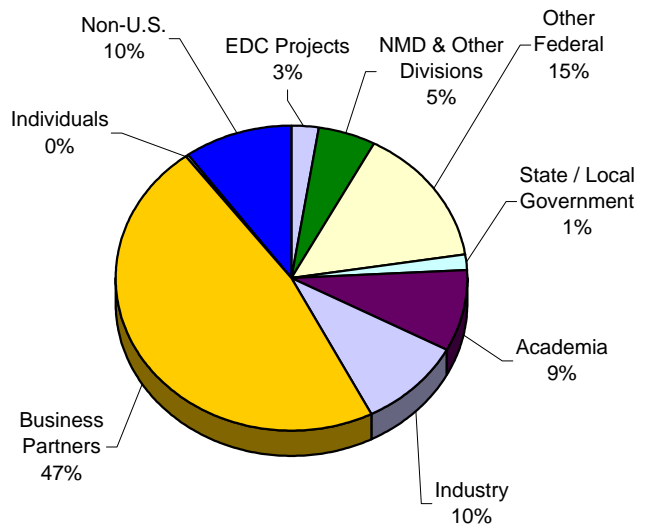
### Fiscal Year 2003

Customer Category	Items	Dollars
<b>Federal Government</b>		
EDC Projects	522	\$ 164,625
NMD & Other Divisions	1,623	337,780
Other Federal	2,053	962,499
<b>Total Federal Government</b>	<b>4,198</b>	<b>\$ 1,464,904</b>
<b>State / Local Government</b>		
Academia	1,361	574,148
Industry	1,561	623,826
Business Partners	8,077	3,055,286
Individuals	85	26,905
Non-U.S.	1,698	645,077
<b>FY 2003 Total</b>	<b>17,178</b>	<b>\$ 6,484,436</b>
<b>FY 2002 Total</b>	<b>17,076</b>	<b>\$ 8,467,769</b>

**% of Total FY 2002 Dollars :  
Landsat 7 Products**



**% of Total FY 2003 Dollars :  
Landsat 7 Products**



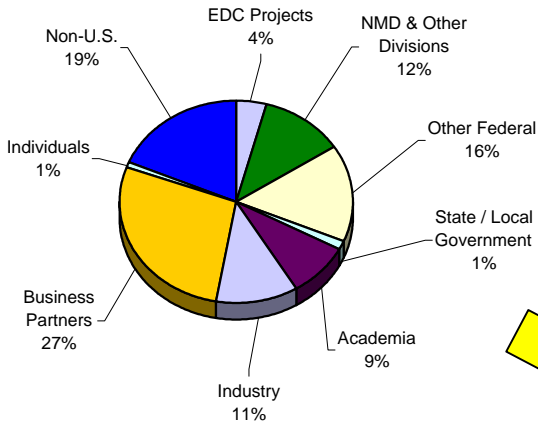
# Customer Profile

## USGS EDC All Landsat Products - Digital

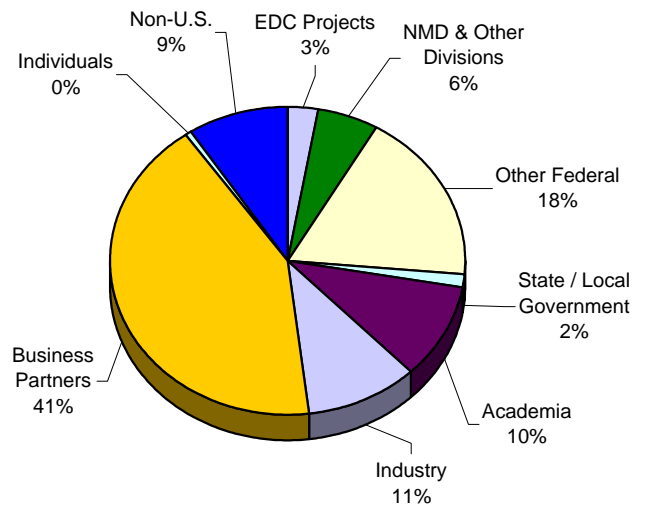
### Fiscal Year 2003

Customer Category	Items	Dollars
<b>Federal Government</b>		
EDC Projects	652	\$ 210,405
NMD & Other Divisions	2,352	445,545
Other Federal	3,083	1,382,729
<b>Total Federal Government</b>	<b>6,087</b>	<b>\$ 2,038,679</b>
<b>State / Local Government</b>		
Academia	2,020	757,783
Industry	2,171	817,491
Business Partners	8,973	3,268,806
Individuals	122	35,980
Non-U.S.	2,055	718,042
<b>FY 2003 Total</b>	<b>21,723</b>	<b>\$ 7,763,274</b>
<b>FY 2002 Total</b>	<b>22,433</b>	<b>\$ 10,211,690</b>

**% of Total FY 2002 Dollars :  
Landsat Products**



**% of Total FY 2003 Dollars :  
Landsat Products**



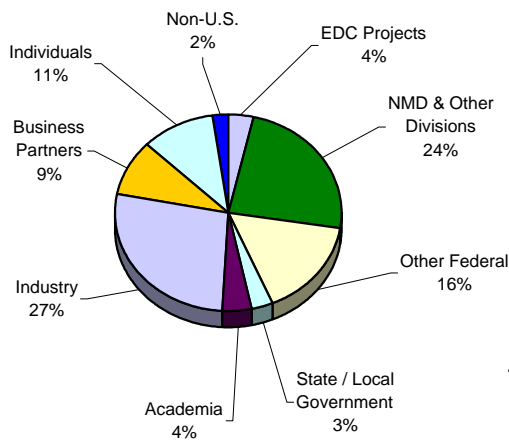
# Customer Profile

## USGS EDC Photographic Products

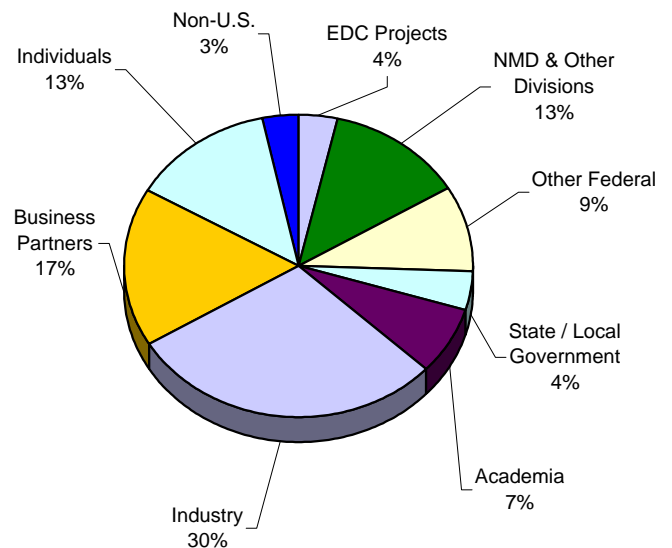
### Fiscal Year 2003

Customer Category	Items	Dollars
<b>Federal Government</b>		
EDC Projects	2,394	\$ 53,893
NMD & Other Divisions	44,463	182,725
Other Federal	9,915	133,332
<b>Total Federal Government</b>	<b>56,772</b>	<b>\$ 369,950</b>
<b>State / Local Government</b>		
Academia	7,779	105,851
Industry	20,167	424,800
Business Partners	21,068	246,998
Individuals	10,861	191,571
Non-U.S.	3,163	49,853
<b>FY 2003 Total</b>	<b>123,792</b>	<b>\$ 1,448,096</b>
<b>FY 2002 Total</b>	<b>180,637</b>	<b>\$ 2,086,217</b>

**% of Total FY 2002 Dollars :**  
**Photo**



**% of Total FY 2003 Dollars :**  
**Photo**



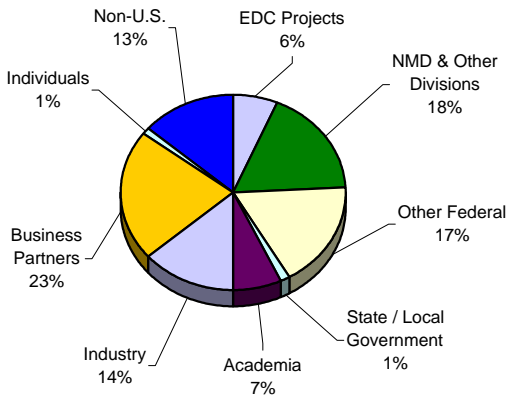
# Customer Profile

## USGS EDC Digital Data - All Products

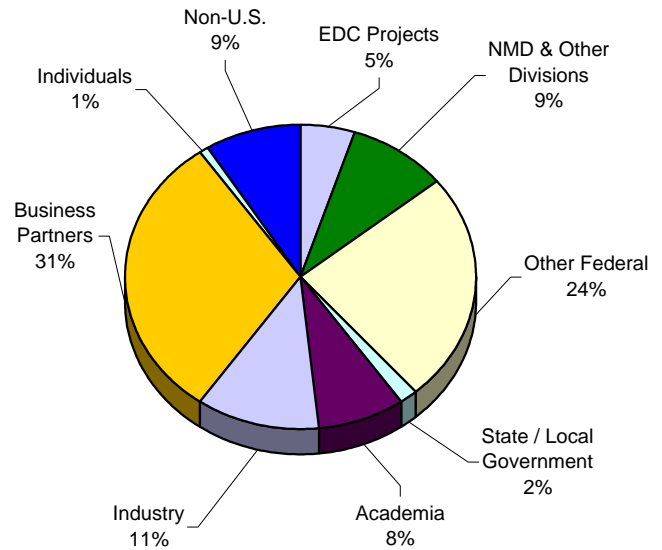
### Fiscal Year 2003

Customer Category	Items	Dollars
<b>Federal Government</b>		
EDC Projects	7,990	\$ 559,643
NMD & Other Divisions	99,525	1,062,256
Other Federal	307,925	2,808,442
<b>Total Federal Government</b>	<b>415,440</b>	<b>\$ 4,430,342</b>
<b>State / Local Government</b>		
Academia	6,424	899,280
Industry	65,882	1,303,501
Business Partners	75,595	3,519,527
Individuals	6,401	96,485
Non-U.S.	4,337	1,021,180
<b>FY 2003 Total</b>	<b>583,940</b>	<b>\$ 11,476,731</b>
<b>FY 2002 Total</b>	<b>1,212,062</b>	<b>\$ 15,589,889</b>

**% of Total FY 2002 Dollars :  
Digital**



**% of Total FY 2003 Dollars :  
Digital**



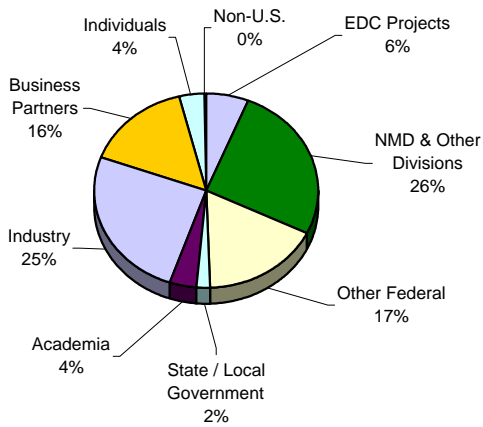
# Customer Profile

## USGS EDC GeoData Products - Digital

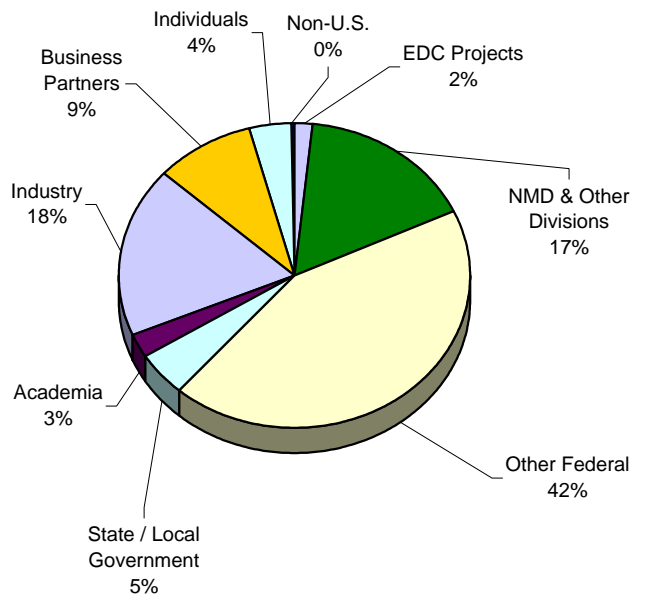
### Fiscal Year 2003

Customer Category	Items	Dollars
<b>Federal Government</b>		
EDC Projects	1,138	\$ 20,074
NMD & Other Divisions	86,064	217,293
Other Federal	300,864	565,080
<b>Total Federal Government</b>	<b>388,066</b>	<b>\$ 802,447</b>
<b>State / Local Government</b>		
Academia	3,388	33,840
Industry	58,241	236,131
Business Partners	65,187	116,753
Individuals	6,153	50,622
Non-U.S.	571	5,215
<b>FY 2003 Total</b>	<b>530,916</b>	<b>\$ 1,306,682</b>
<b>FY 2002 Total</b>	<b>1,155,854</b>	<b>\$ 2,862,344</b>

**% of Total FY 2002 Dollars :  
GEODATA**



**% of Total FY 2003 Dollars :  
GEODATA**



**USGS EDC**  
**"No-Charge" Data \***  
**Fiscal Years 2002 and 2003**

Product Type	FY02		FY03	
	Files/Requests	Megabytes	Files/Requests	Megabytes
Digital Elevation Model (DEM)	609,259	578,385	517,731	481,763
Digital Line Graph (DLG)	7,909,737	1,105,318	7,764,835	1,154,874
Digital Orthophotoquad (DOQ)	27,101	1,763,922	18,884	1,243,229
Digital Raster Graphics (DRG)	7,453	79,730	5,762	66,638
Land Use Land Cover	98,775	52,029	88,622	42,251
Scientific Assessment and Strategy Team	5,307	175	158,227	5,759
<b>Distributed Active Archive Center Data Distribution</b>				
10-Day Global Composite	24,445	133,232	17,277	232,262
10-Day N.A. Composite	1,270	29,651	1,227	29,000
AVHRR 1B Orbital Stitches	708	23,213	9,102	911,545
SIR-C Browse	166	6	628	18
SIR-C Data	11,221	5,413	6,779	11,465
Global 30-Arc-Second Elevation Data Set (GTOPO30)	12,850	1,305,429	145,362	1,584,320
Hydro 1K (LANDAAC Hydro Data)	13,042	324,988	13,730	404,822
Pathfinder (NALC)	888	1,630	648	1,410
<b>Corona Imagery</b>				
GIF	16,668	7,072	10,669	4,554
IMG	6,469	10,980	4,170	8,570
National Spatial Data Infrastructure	445	-	312	-
Global Land Cover Characterization	20,342	127,305	22,134	174,390
National Land Cover Data	12,350	285,972	13,729	321,539
Seamless Data Distribution System	34,652	113,419	7,914	79,977
<b>National Hydrography Dataset</b>				
ARC	94,609	91,750	97,760	92,399
FCP	2,242	1,274	2,961	1,663
SDTS	79	18	389	44
<b>WWW Server Files</b>				
EDC	3,931,956	-	1,643,433	-
Non-EDC	54,530,580	-	27,168,485	-
Total	53,786,095	-	28,811,618	-
<b>Corona Imagery</b>				
Home Page Hits	30,122	-	-	-
<b>Business Partners Home Pages</b>				
Digital Current Partners Home Page	5,040	-	-	-
Aerial Current Partners Home Page	11,325	-	-	-
National Spatial Data Infrastructure	445	-	312	-
<b>Mapfinder / Photofinder</b>				
Mapfinder	641,168	-	614,936	-
Photofinder	540,459	-	534,238	-
Fire Science	31	-	-	-
<b>Total Downloads</b>	<b>63,924,763</b>	<b>6,040,911</b>	<b>38,869,956</b>	<b>6,852,492</b>

\* Note: These data files were provided free of charge to customers using the Internet.



## Digital Data Processing Workload \*

### Fiscal Year 2003

Digital Data Production	Total Items Processed
National Landsat Archive Production System Registrations	
Systematic	9,737
Precision Corrected	359
Terrain Corrected	1,853
Level 0	138
Level 1	2
AVHRR Greenness Maps	
United States	52
Alaska	28
Humid Tropical Forest Inventory	11
National Elevation Data - NED	
Tiles Updated: 30m	670
Tiles Updated: 10m	481
GLOBE Data Sets	
United States	173
International	194
Special Request	191
Custom Image Processing	456

\* 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	
<b>Federal Government</b>		
EDC Projects	99	\$ 26,020
NMD & Other Divisions	115	27,466
Other Federal	58	214,136
<b>Total Federal Government</b>	<b>272</b>	<b>\$ 267,622</b>
State / Local Government	3	5,325
Academia	1	1,020
<b>Total Digital Data Processing</b>	<b>276</b>	<b>\$ 273,967</b>

\* 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 2003

Black-and-White Products		
Product Category	Items	Dollars
10" Paper	21,935	\$ 238,623
10" Film	7,820	83,522
20" Paper	2,523	49,689
40" Paper	2,772	108,433
Other	11,887	133,105
<b>Subtotal</b>	<b>46,937</b>	<b>\$ 613,372</b>

Color Products		
Product Category	Items	Dollars
10" Paper	8,570	\$ 129,068
10" Film	44,918	268,175
20" Paper	946	47,335
40" Paper	1,182	97,898
Other	8,698	212,931
<b>Subtotal</b>	<b>64,314</b>	<b>\$ 755,407</b>
<b>Handling/Shipping Charges</b>	12,541	79,317
<b>Grand Total All Products</b>	<b>123,792</b>	<b>\$ 1,448,096</b>

## Photographic Laboratory Report by Production Type

Photographic Laboratory	Total Items Processed
Landsat Images	264
Declassified Intelligence Satellite Photography	3,813
Other Satellite Images	62
Diapositives	14,317
Aerial Photos	60,896
Custom Products	2,887
Miscellaneous	5,319
* NAPP Duping	30,727
Scanning	9,063
<b>Total</b>	<b>127,348</b>

\* National Aerial Photography Program film duplicated for archival purposes.

## **Section II**

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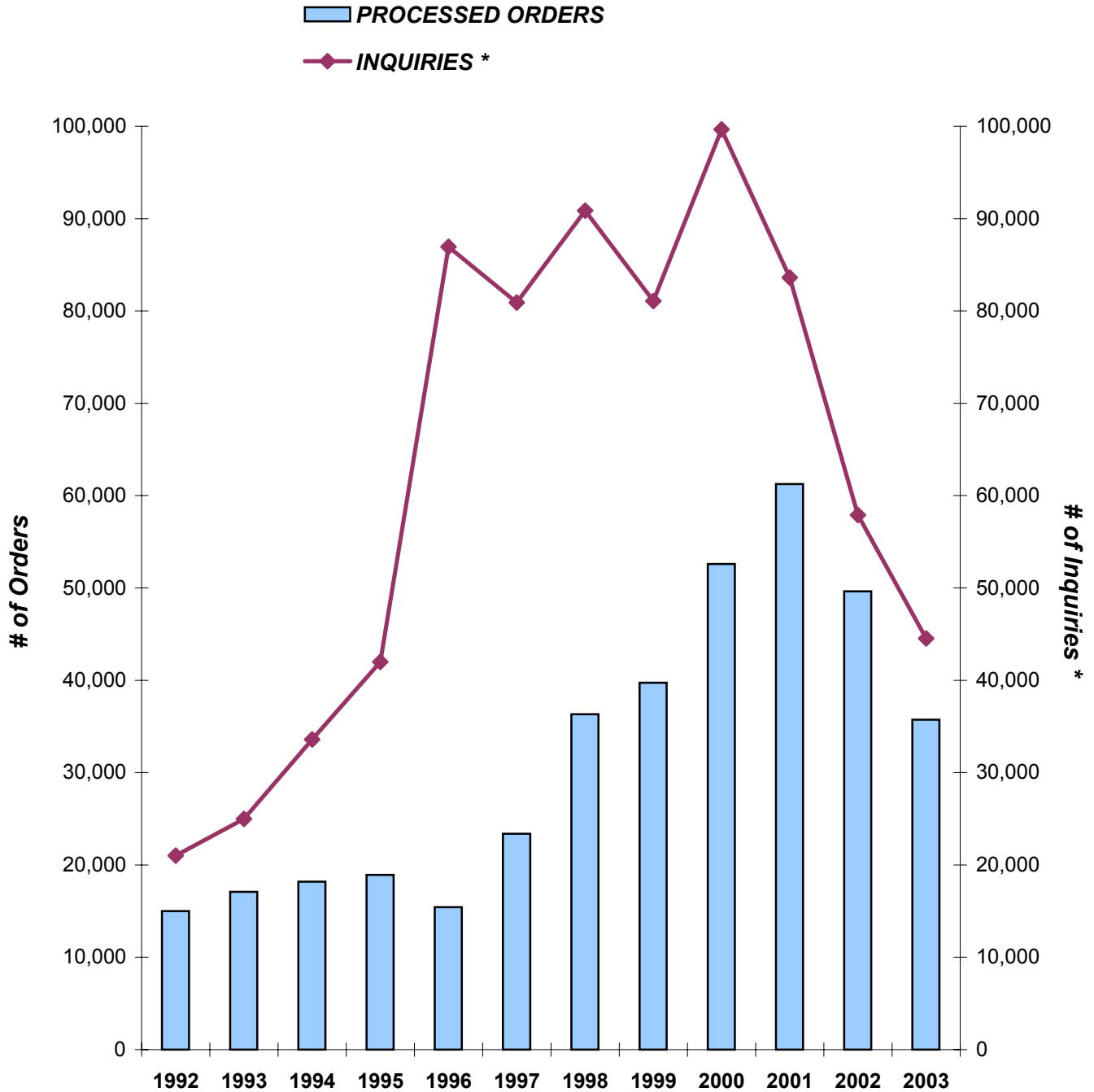
### **Customer Services Information Fiscal Year 2003**

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

Nearly 44,800 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. More than 36,600 orders were filled from all sources.

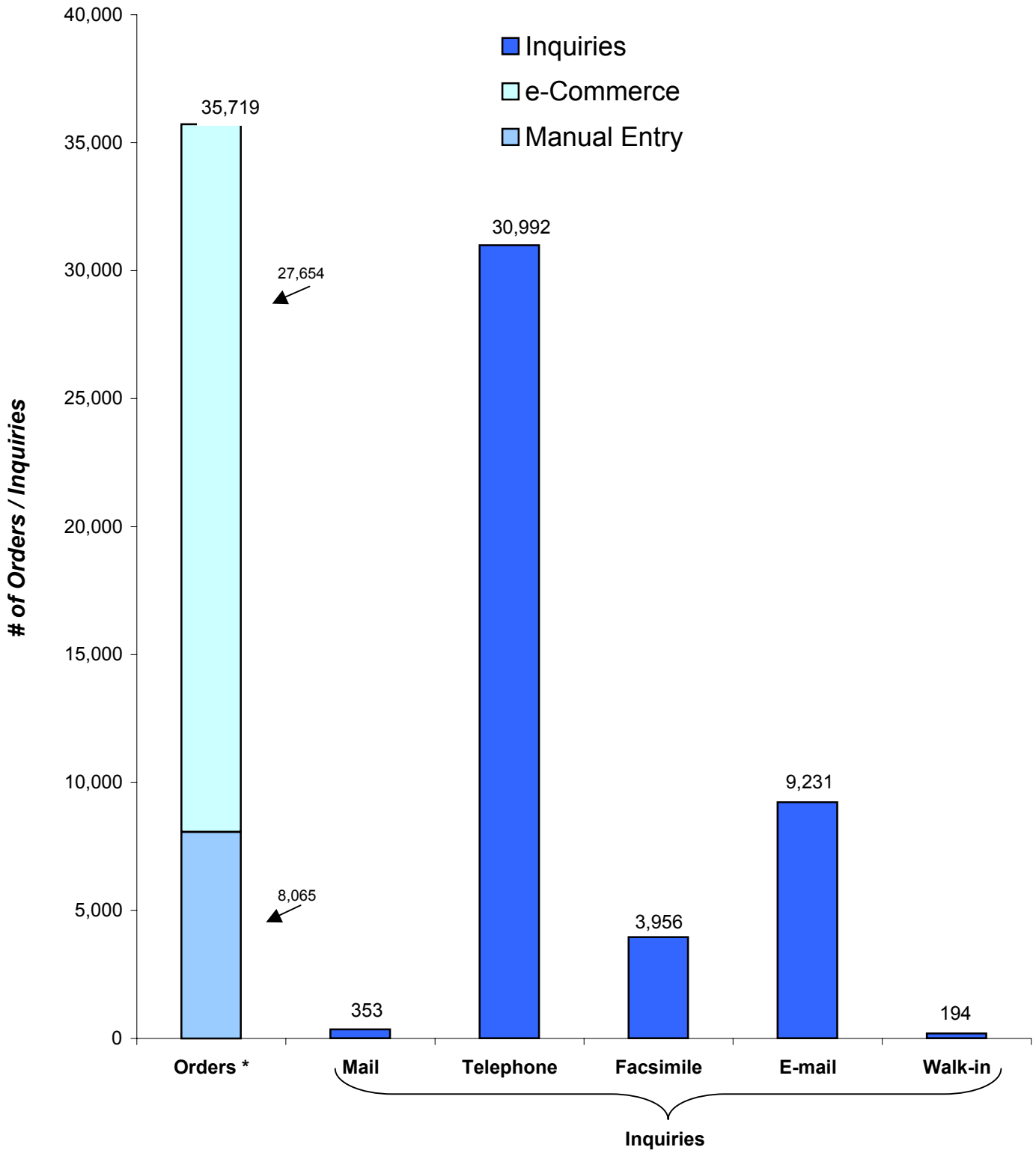
# EDC Customer Orders and Inquiries

## Fiscal Years 1992 - 2003



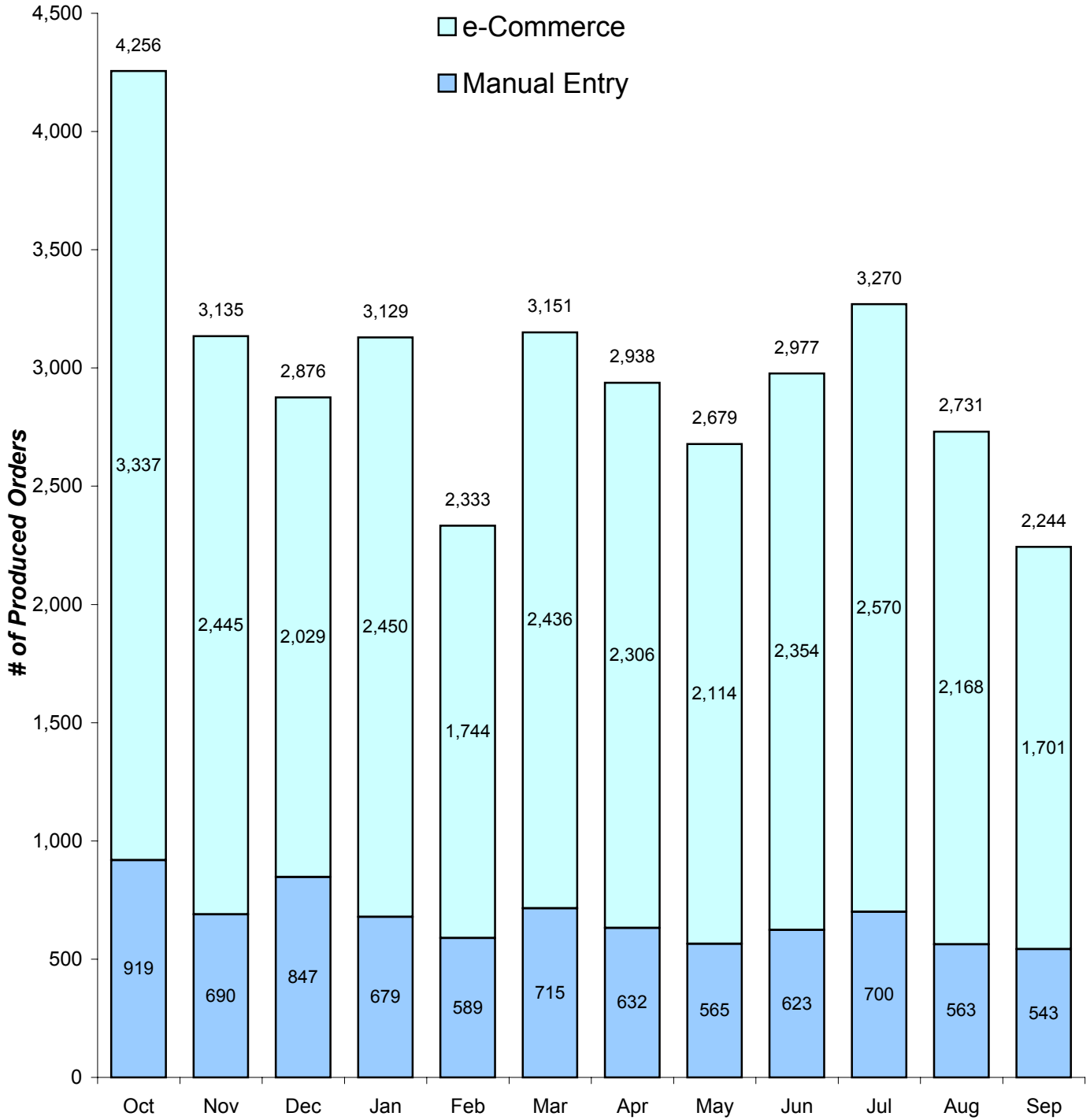
\* Inquiries include mail, telephone, facsimile, and e-mail.

# EDC Customer Service Order / Inquiry Activities FY 2003



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

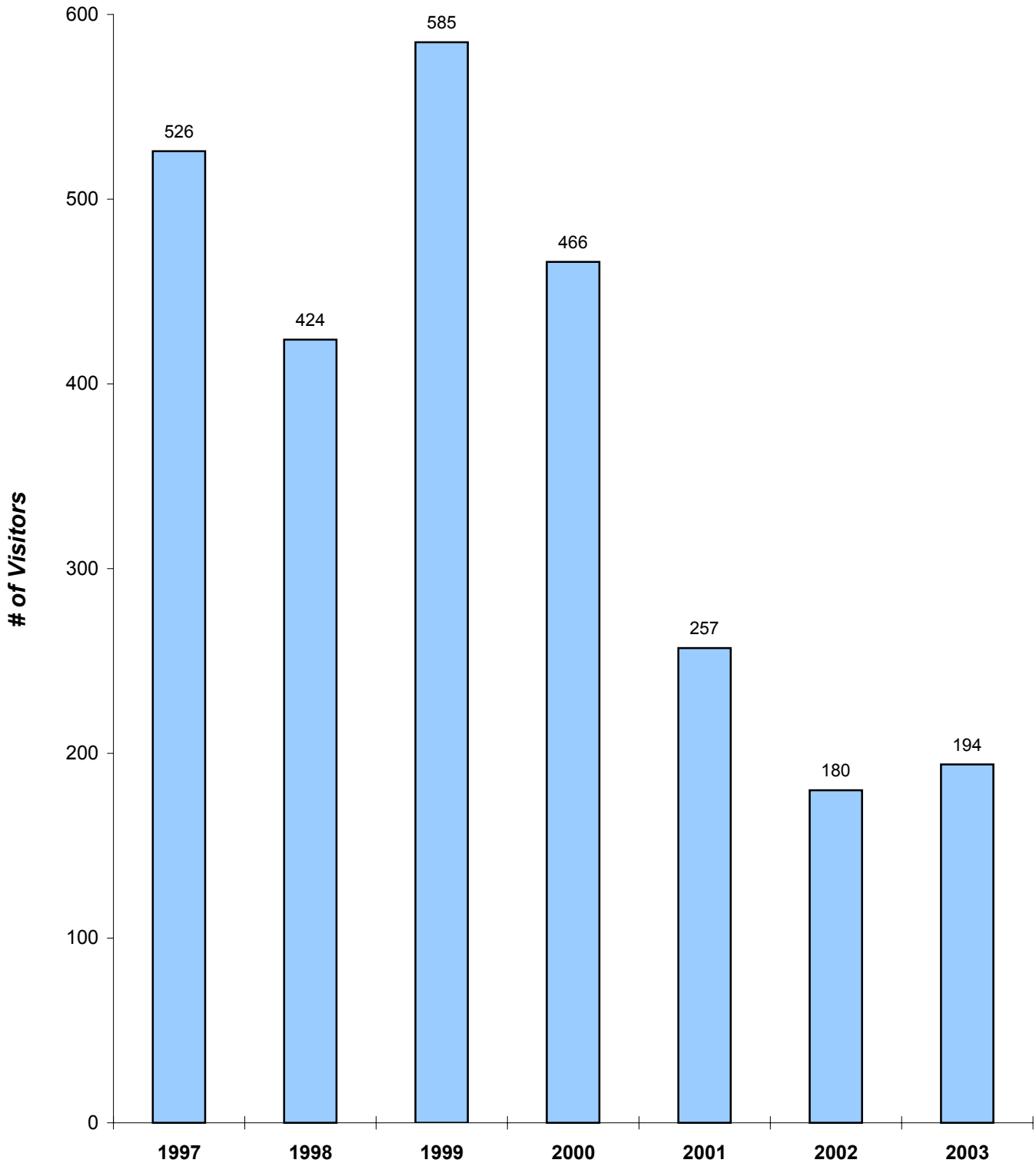
## EDC Orders Placed by Month FY 2003



Total Orders for FY 2003 were 35,719

# EDC Scientific & Technical Browse Area Walk-in Visitors Fiscal Years 1997 - 2003

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## Section III

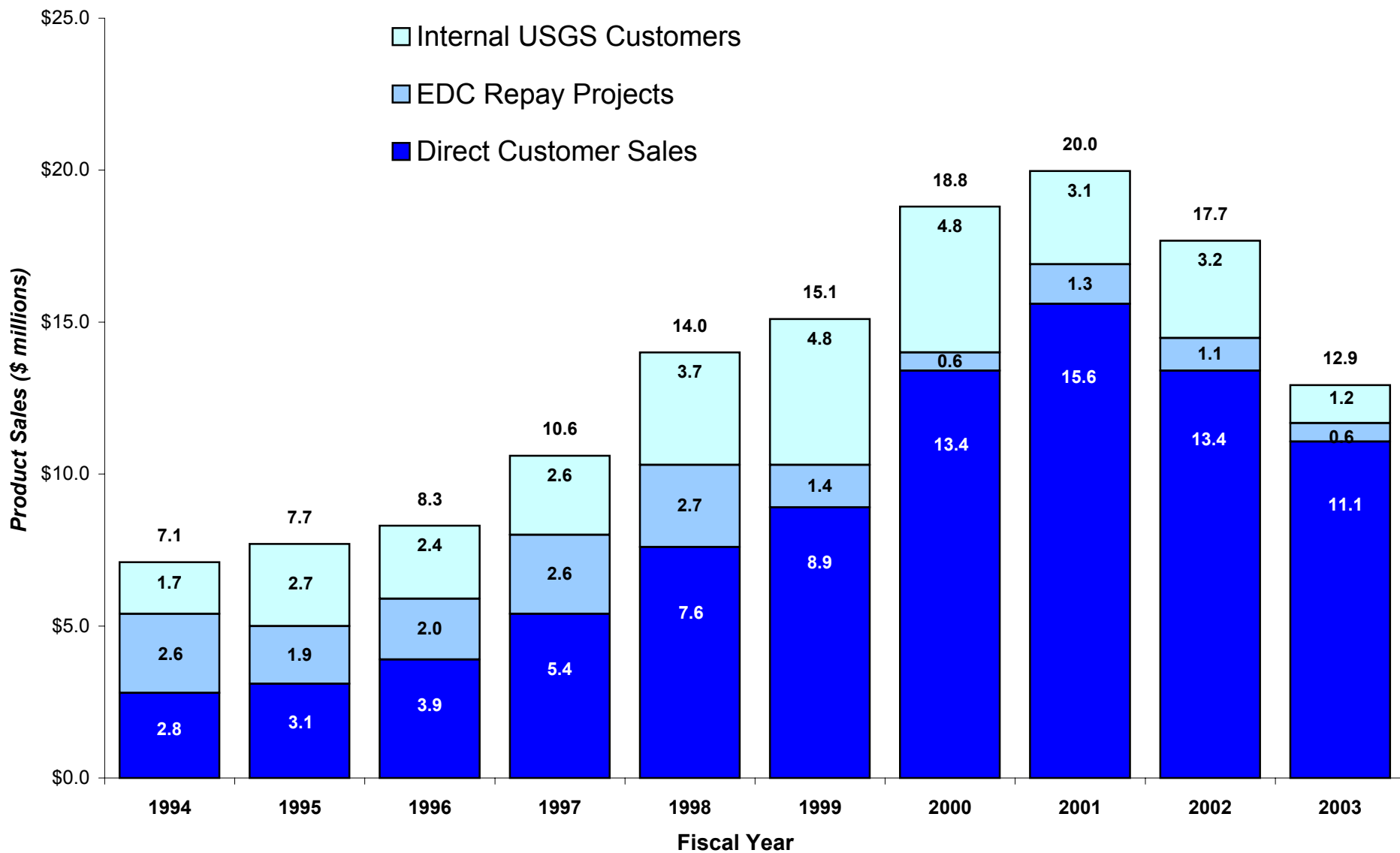
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### Historical Information

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

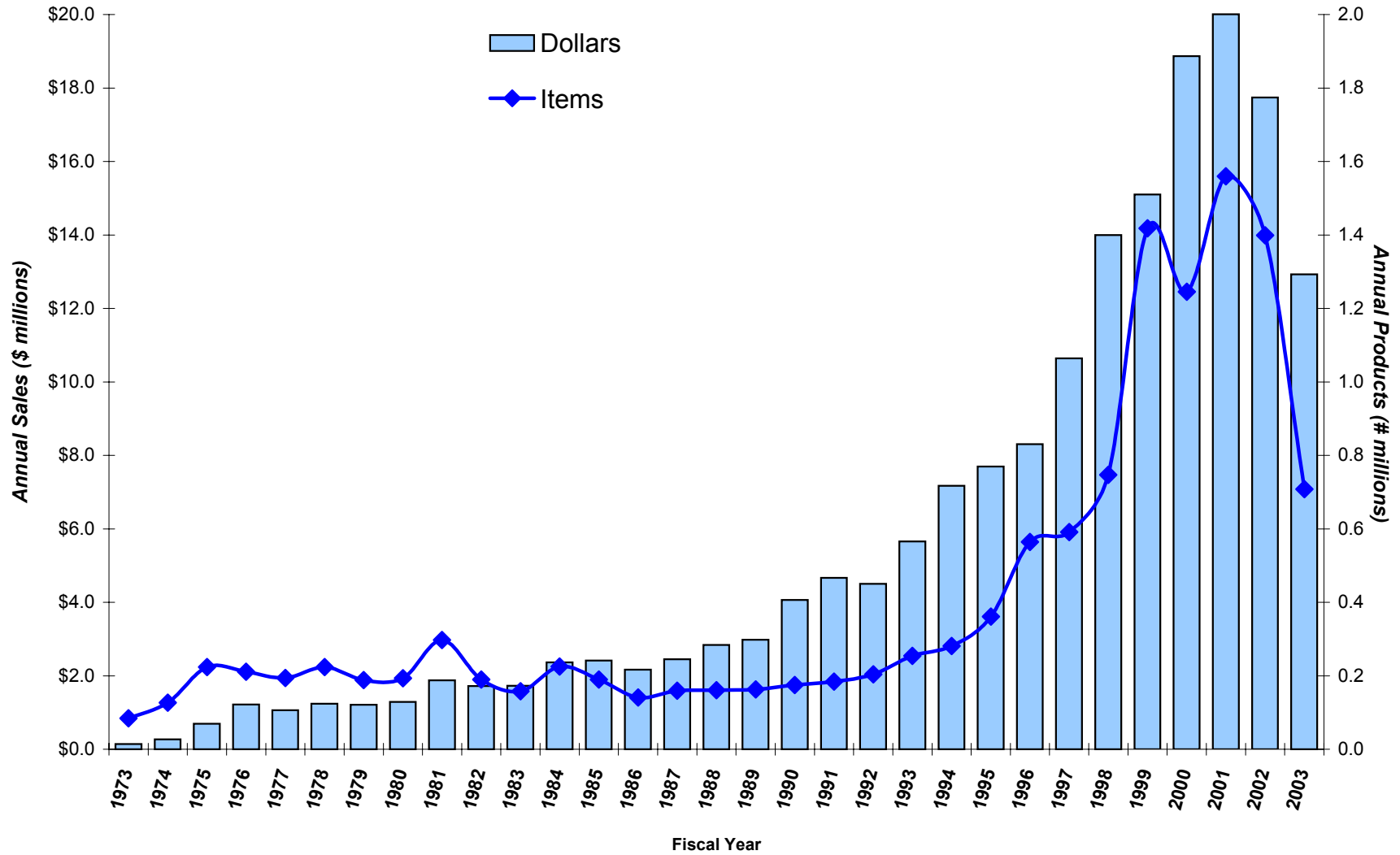


## EDC Total Product Sales Dollars Fiscal Years 1994 - 2003



## EDC Total Product Sales \*

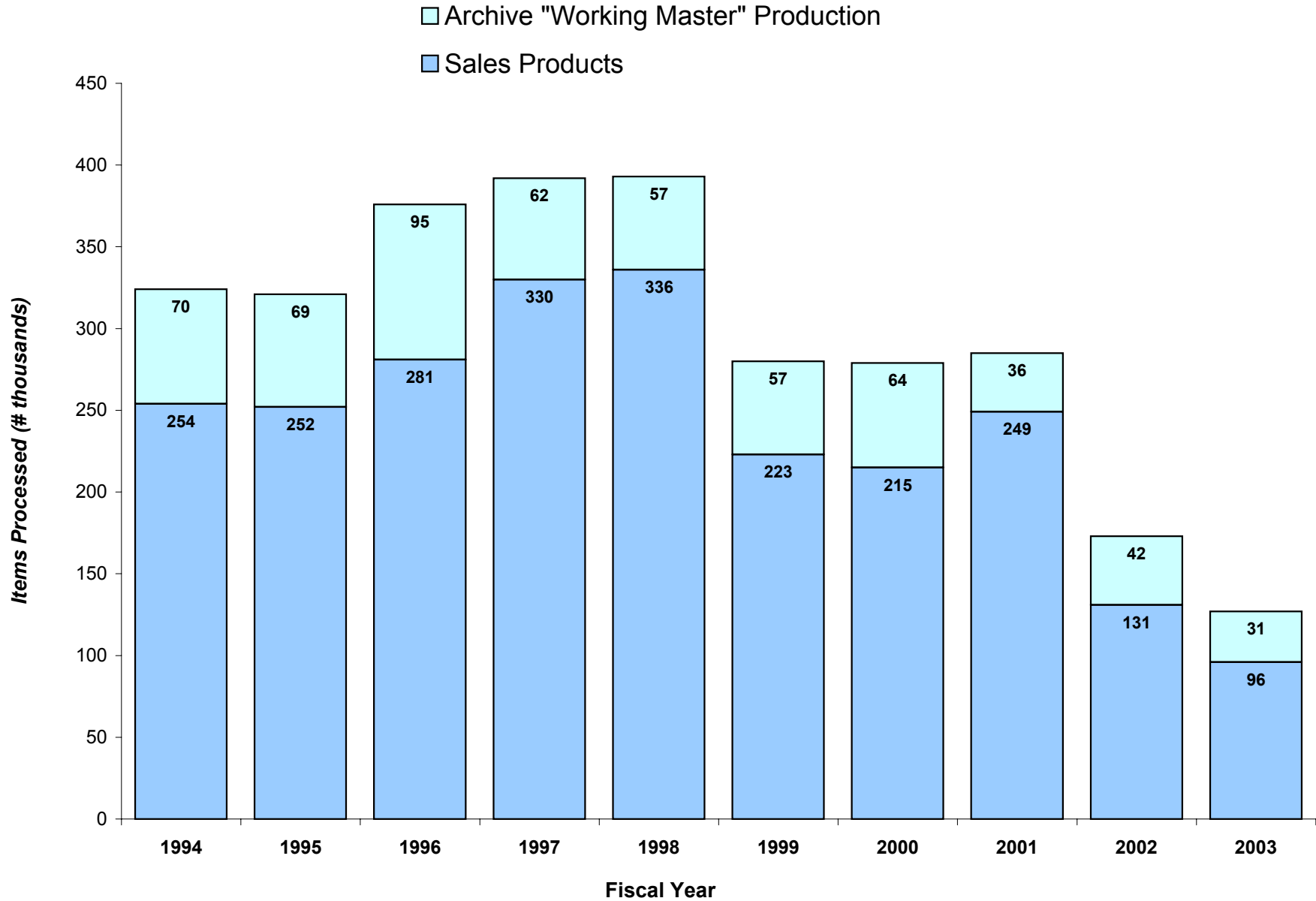
### Fiscal Years 1973 - 2003



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

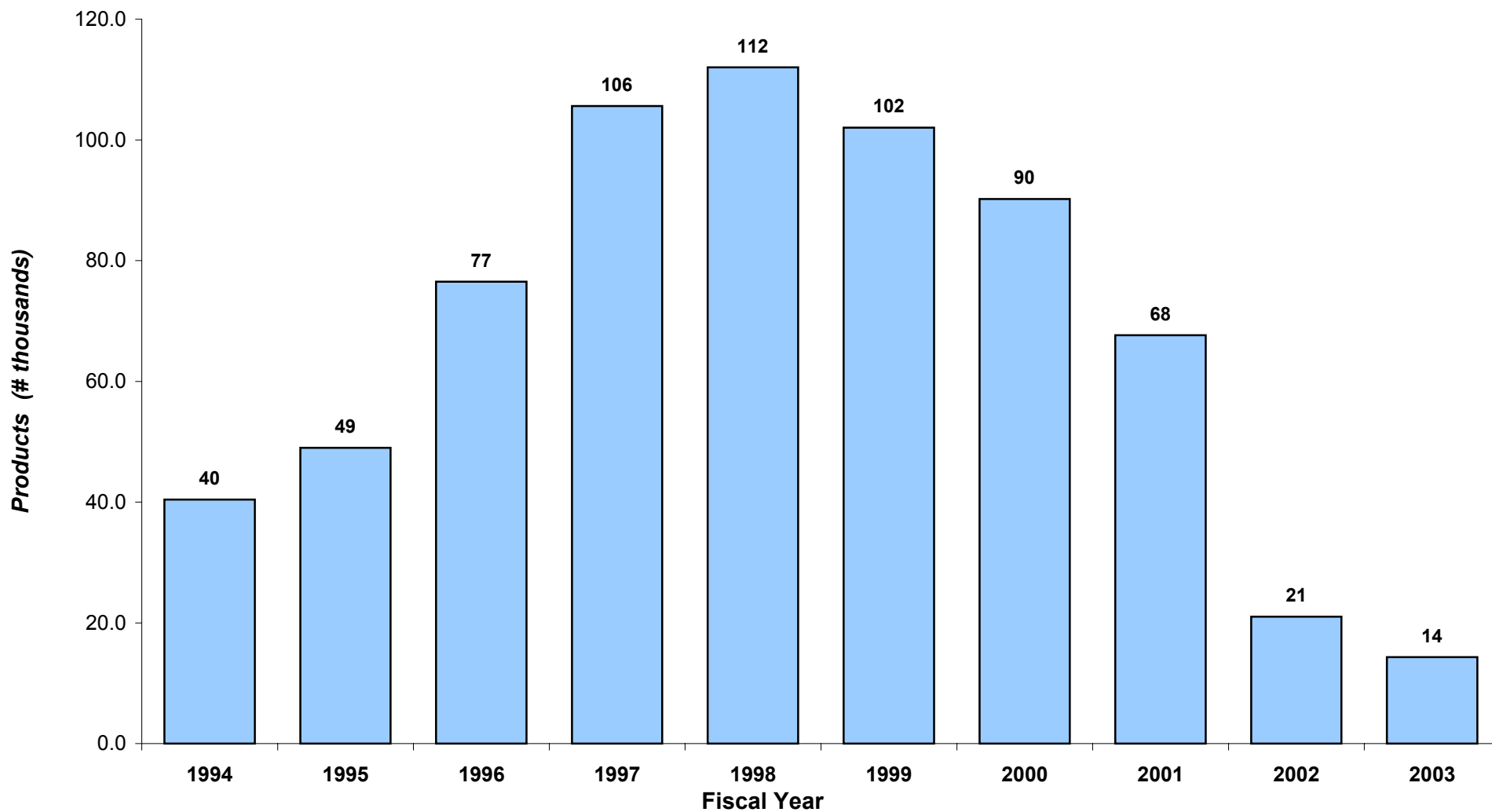
# EDC Photographic Laboratory Workload

## Fiscal Years 1994 - 2003



# EDC Film Diapositive Workload Fiscal Years 1994 - 2003

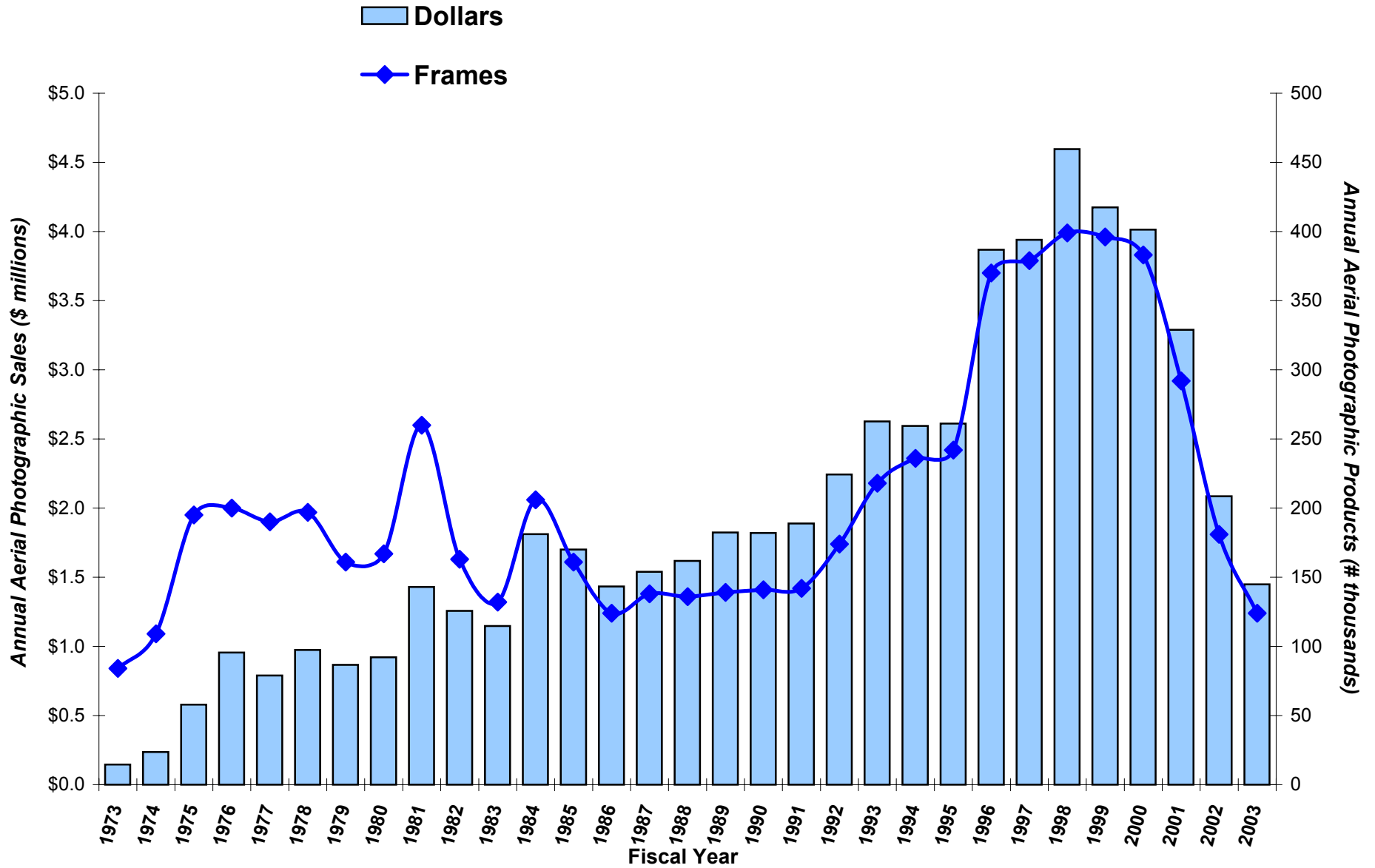
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Primarily for USGS Mapping Centers, for use in map production.

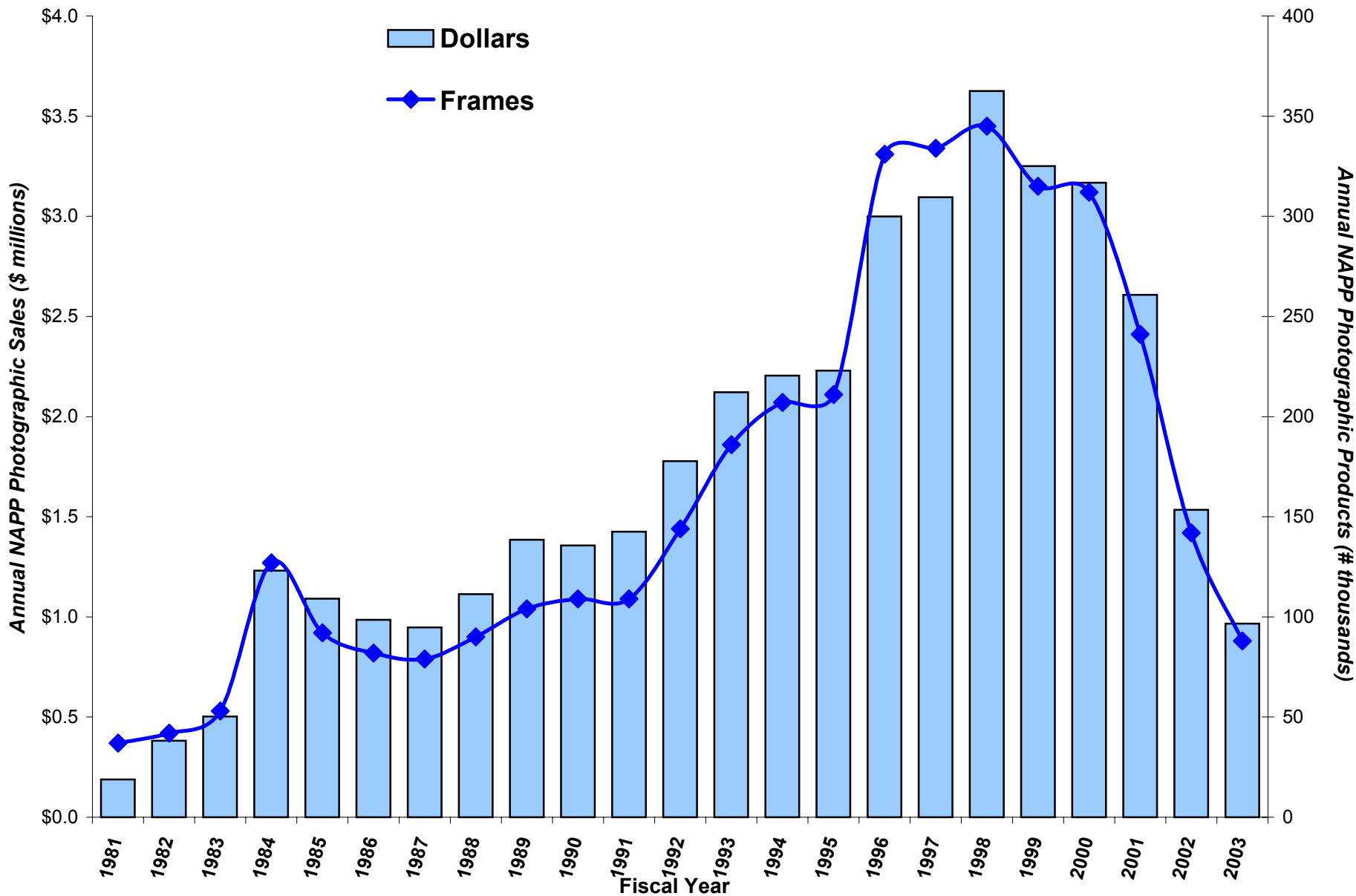
# Aerial Photographic Data Sales

## Fiscal Years 1973 - 2003

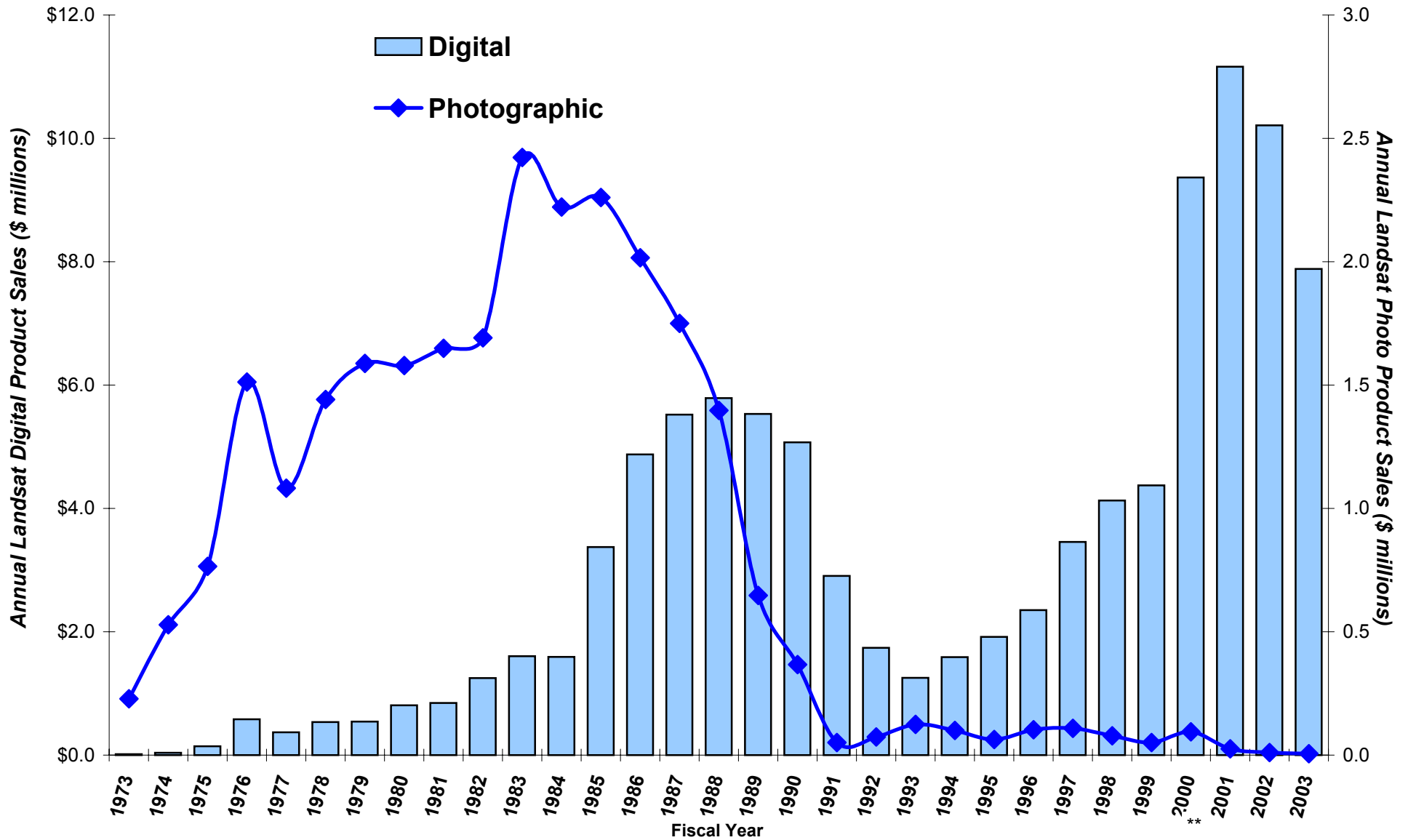


# NAPP Data Sales

## Fiscal Years 1981 - 2003



## Landsat 1-5 & 7 Sales (\$) \* Fiscal Years 1973 - 2003

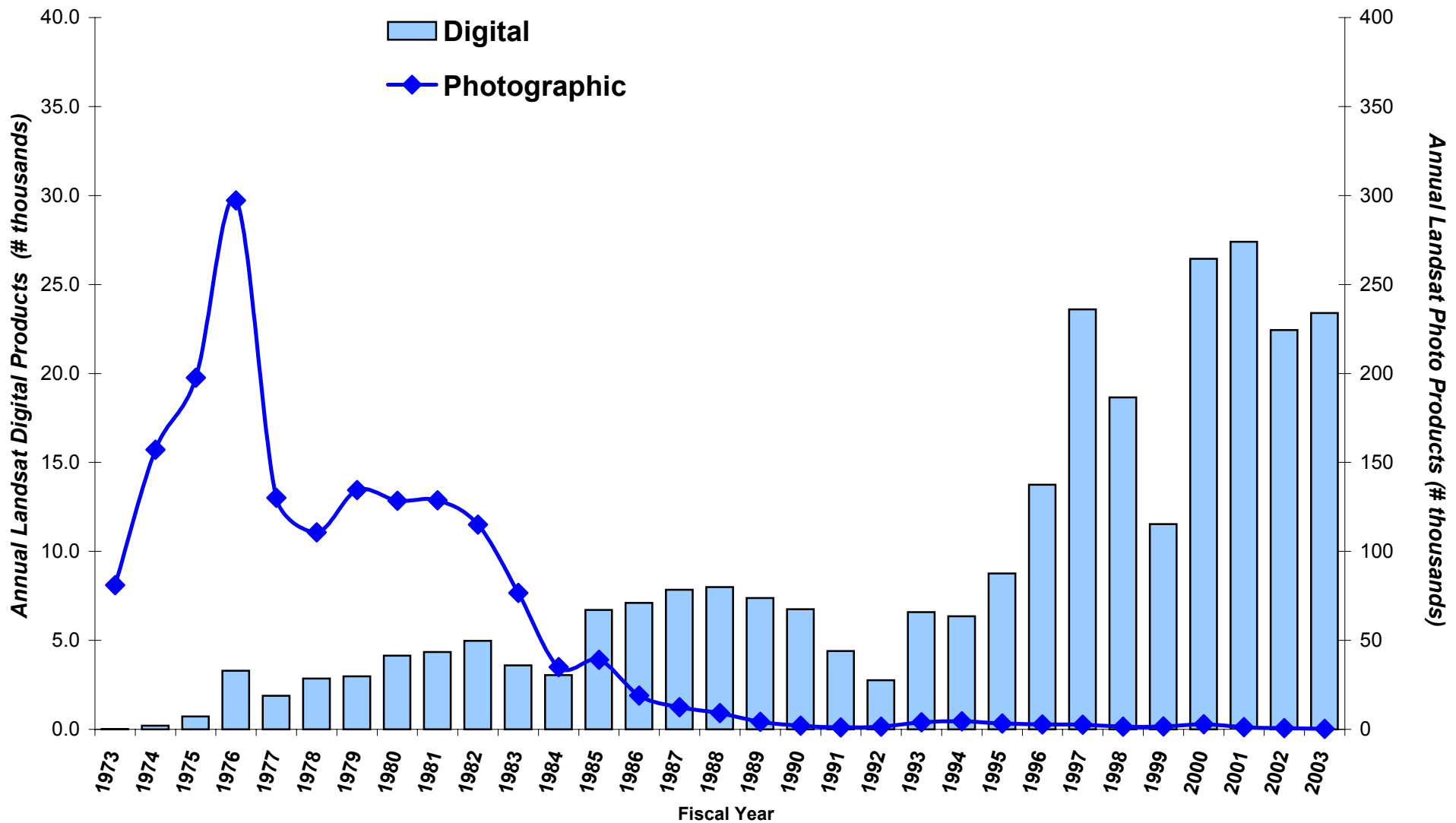


\* Includes direct customer sales, EDC repay projects and sales to USGS customers.

\*\* Landsat 7 sales began in late FY 1999.

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

### Fiscal Years 1973 - 2003



\* 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 USGS EDC Photographic Products

FISCAL YEAR	CATEGORY	FRAMES	% OF TOTAL	DOLLARS	% OF TOTAL
2002	<b>Federal Government</b>				
	EDC Projects	4,140	2%	\$ 73,106	4%
	NMD & Other Divisions	78,291	43%	501,868	24%
	Other Federal	27,684	15%	333,758	16%
	<b>Total Federal Government</b>	<b>110,115</b>	<b>61%</b>	<b>\$ 908,732</b>	<b>44%</b>
	State / Local Government	7,294	4%	\$ 67,311	3%
	Academia	6,901	4%	82,140	4%
	Industry	27,153	15%	567,518	27%
	Business Partners	13,242	7%	193,307	9%
	Individuals	12,866	7%	221,771	11%
Non-U.S.	3,066	2%	45,439	2%	
<b>Total</b>		<b>180,637</b>	<b>100%</b>	<b>\$ 2,086,217</b>	<b>100%</b>
2001	<b>Federal Government</b>				
	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%
	<b>Total Federal Government</b>	<b>196,421</b>	<b>67%</b>	<b>\$ 1,675,984</b>	<b>51%</b>
	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%	
<b>Total</b>		<b>291,759</b>	<b>100%</b>	<b>\$ 3,290,129</b>	<b>100%</b>
2000	<b>Federal Government</b>				
	USGS	264,655	69%	\$ 1,991,892	50%
	Other Federal	18,971	5%	278,286	7%
	<b>Total Federal Government</b>	<b>283,626</b>	<b>74%</b>	<b>\$ 2,270,177</b>	<b>57%</b>
	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%
<b>Total</b>		<b>383,071</b>	<b>100%</b>	<b>\$ 4,013,466</b>	<b>100%</b>
1999	<b>Federal Government</b>				
	USGS	258,473	65%	\$ 1,788,196	43%
	Other Federal	38,927	10%	522,224	13%
	<b>Total Federal Government</b>	<b>297,400</b>	<b>75%</b>	<b>\$ 2,310,420</b>	<b>55%</b>
	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%
<b>Total</b>		<b>396,347</b>	<b>100%</b>	<b>\$ 4,174,663</b>	<b>100%</b>

## Historical Customer Profile Landsat Digital Data 1-5 & 7

FISCAL YEAR	CATEGORY	FRAMES	% OF TOTAL	DOLLARS	% OF TOTAL
2002	<b>Federal Government</b>				
	EDC Projects	919	4%	\$ 433,385	4%
	NMD & Other Divisions	3,284	15%	1,184,745	12%
	Other Federal	3,333	15%	1,586,094	16%
	<b>Total Federal Government</b>	<b>7,536</b>	<b>34%</b>	<b>\$ 3,204,224</b>	<b>31%</b>
	State / Local Government	273	1%	\$ 150,057	1%
	Academia	1,939	9%	885,264	9%
	Industry	2,250	10%	1,157,360	11%
	Business Partners	6,375	28%	2,827,278	28%
	Individuals	223	1%	94,902	1%
	Non-U.S.	3,837	17%	1,892,605	19%
<b>Total</b>		<b>22,433</b>	<b>100%</b>	<b>\$ 10,211,690</b>	<b>100%</b>
2001	<b>Federal Government</b>				
	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%
	<b>Total Federal Government</b>	<b>10,522</b>	<b>38%</b>	<b>\$ 3,731,117</b>	<b>33%</b>
	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%
<b>Total</b>		<b>27,338</b>	<b>100%</b>	<b>\$ 11,161,116</b>	<b>100%</b>
2000	<b>Federal Government</b>				
	USGS	2,958	9%	\$ 968,609	10%
	Other Federal	14,008	43%	3,597,197	39%
	<b>Total Federal Government</b>	<b>16,966</b>	<b>52%</b>	<b>\$ 4,565,806</b>	<b>49%</b>
	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%
	<b>Total</b>		<b>32,812</b>	<b>100%</b>	<b>\$ 9,324,142</b>
1999	<b>Federal Government</b>				
	USGS	1,391	12%	\$ 820,558	19%
	Other Federal	5,622	49%	1,721,778	39%
	<b>Total Federal Government</b>	<b>7,013</b>	<b>61%</b>	<b>\$ 2,542,335</b>	<b>58%</b>
	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%
	<b>Total</b>		<b>11,529</b>	<b>100%</b>	<b>\$ 4,371,870</b>

## Historical Customer Profile Landsat Photographic Data

FISCAL YEAR	CATEGORY	FRAMES	% OF TOTAL	DOLLARS	% OF TOTAL
2002	<b>Federal Government</b>				
	EDC Projects	21	6%	\$ 1,277	24%
	NMD & Other Divisions	9	3%	648	12%
	Other Federal	-	0%	-	0%
	<b>Total Federal Government</b>	<b>30</b>	<b>9%</b>	<b>\$ 1,925</b>	<b>36%</b>
	State / Local Government	1	0%	\$ 12	0%
	Academia	9	3%	116	2%
	Industry	94	28%	1,212	23%
	Business Partners	8	2%	80	1%
	Individuals	35	11%	448	8%
	Non-U.S.	156	47%	1,578	29%
<b>Total</b>		<b>333</b>	<b>100%</b>	<b>\$ 5,371</b>	<b>100%</b>
2001	<b>Federal Government</b>				
	EDC Projects	47	4%	\$ 3,975	15%
	NMD & Other Divisions	167	13%	10,786	42%
	Other Federal	8	1%	163	1%
	<b>Total Federal Government</b>	<b>222</b>	<b>17%</b>	<b>\$ 14,923</b>	<b>58%</b>
	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%
<b>Total</b>		<b>1,284</b>	<b>100%</b>	<b>\$ 25,702</b>	<b>100%</b>
2000	<b>Federal Government</b>				
	USGS	1,609	67%	\$ 77,264	86%
	Other Federal	28	1%	1,892	2%
	<b>Total Federal Government</b>	<b>1,637</b>	<b>69%</b>	<b>\$ 79,156</b>	<b>88%</b>
	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%
	<b>Total</b>		<b>2,384</b>	<b>100%</b>	<b>\$ 89,802</b>
1999	<b>Federal Government</b>				
	USGS	353	21%	\$ 18,138	36%
	Other Federal	157	10%	10,640	21%
	<b>Total Federal Government</b>	<b>510</b>	<b>31%</b>	<b>\$ 28,777</b>	<b>57%</b>
	State / Local Government	-	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%
	<b>Total</b>		<b>1,646</b>	<b>100%</b>	<b>\$ 50,737</b>

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

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

\*\*\* FY1999 : Landsat Satellites 1 - 5.

## Section IV

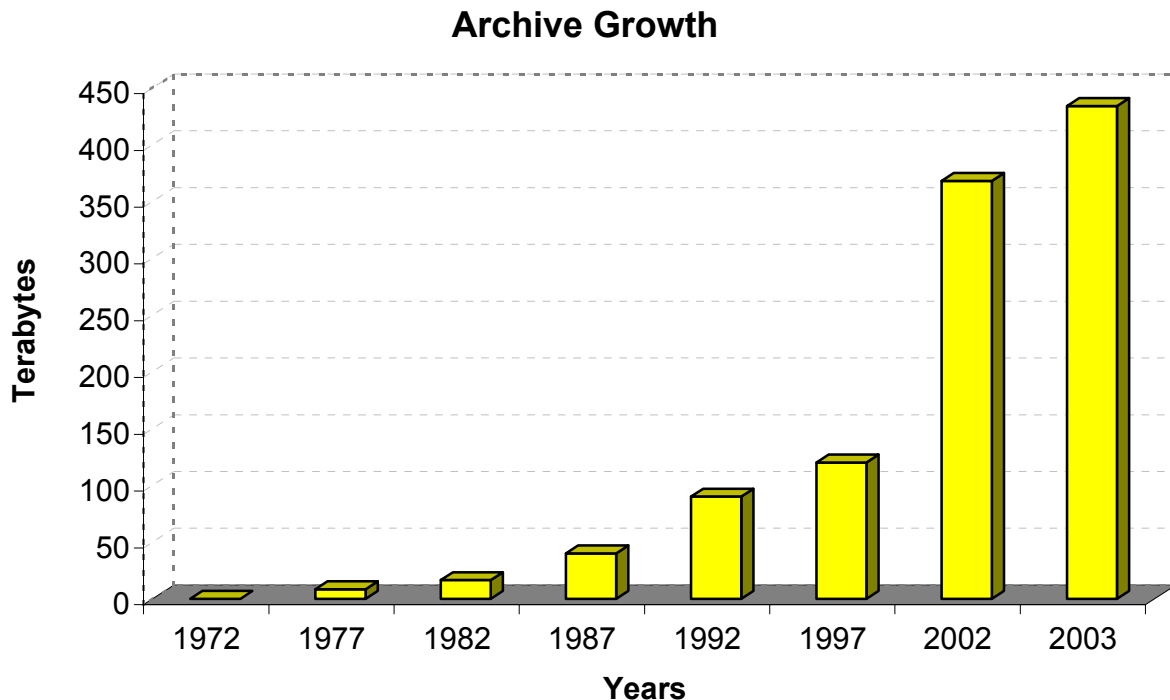
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### USGS EDC Archives and Catalog

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 2003, the USGS EDC had archived nearly 12.5 million frames of photographic data. This includes nearly 2.9 million frames of Landsat photographic data.



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**31 years of Landsats 1-5:**

165 terabytes

**4 years of Landsat 7:**

269 terabytes

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# Data Archive Report

## As Of September 2003

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### Summary of Data Archived at USGS EDC

Photographic Data	Rolls	Frames
Aerial Images	59,444	8,621,075
Landsat Satellite Images	21,260	3,014,054
Other Satellite Images	26,831	1,403,520
Sub Total	48,091	4,417,574
<b>Total Photographic Data</b>	<b>107,535</b>	<b>13,038,649</b>

Digital Data	Magnetic Tapes / Quads	Scenes / Files / Products
Aerial Image Data	10,271	19,701
Landsat MSS/TM Image Data	69,841	1,395,234
Landsat ETM Image Data	N/A	538,311
* Other Satellite Image Data	29,867	12,569,437
Digital Cartographic Data	99,879	627,971
<b>Total Digital Data</b>	<b>209,858</b>	<b>15,150,654</b>

\* SPOT data added to archive in FY2001.

# Data Archive Report

## As Of September 2003

### Photographic Data Archived at USGS EDC

Aerial Photography		
Source	Rolls	Frames
US Geological Survey	17,556	2,609,642
NAPP/NHAP	14,697	2,601,743
Bureau of Land Management	593	118,582
Bureau of Reclamation	298	59,608
National Park Service	175	27,102
Bureau of Indian Affairs	48	9,638
<b>Total Department of Interior</b>	<b>33,367</b>	<b>5,426,315</b>
Army Map Service	1,756	207,891
US Air Force	3,204	303,585
US Navy	1,086	133,406
Corps of Engineers	98	24,076
<b>Total Department of Defense</b>	<b>6,144</b>	<b>668,958</b>
Ames Research Center	5,370	642,062
Johnson Space Center	7,625	1,179,687
Other NASA	1,386	128,046
<b>Total NASA</b>	<b>14,381</b>	<b>1,949,795</b>
Other Federal Agency Photography	5,552	576,007
<b>Total Aerial Photography</b>	<b>59,444</b>	<b>8,621,075</b>

Satellite Photographs or Film		
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
Landsat Color Composites, MSS	N/A	18,271
Landsat Color Composites, TM	N/A	1,866
Landsat RBV	N/A	137,870
Skylab	621	50,728
Apollo / Gemini / Apollo-Soyuz	127	18,371
LFC / Shuttle	3,709	341,747
Declassified Intelligence Satellite Photography	22,374	992,674
<b>Total Satellite Photography</b>	<b>48,091</b>	<b>4,417,574</b>

<b>Combined Total Aerial &amp; Satellite</b>	<b>107,535</b>	<b>13,038,649</b>
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N/A = Information not available.

# Data Archive Report As Of September 2003

## Digital Data Archived at USGS EDC

Source	Magnetic Tapes	Scenes / Files
<b>Aerial Image Data</b>		
NASA Data		
TIMS / NS001	1,795	7,323
National Park Service	94	N/A
Side-Looking Airborne Radar (SLAR)	3,526	2,928
Other Data	4,856	9,450
<b>Total Aerial Image Data</b>	<b>10,271</b>	<b>19,701</b>
<b>Satellite Image Data</b>		
Landsat MSS/TM Digital Data	69,841	1,395,234
Landsat ETM Digital Data	N/A	538,311
AVHRR		
HRPT Data (EDC Direct and DOMSAT)	N/A	69,037
LAC Data Received via DOMSAT	N/A	81,482
Data Received From Other Sources	N/A	148,415
AVHRR 1-KM Orbital Segments	N/A	31,583
NASA Data		
SIR-C	3,029	18,377
NALC	2,531	2,531
NLDC	10,880	7,019
Earth Sat TM	N/A	7,453
Aster Data	N/A	1,455,237
Modis Data	N/A	9,772,632
* SPOT Data	896	943,759
SPOT MSI Data	59	1,029
Department of Defense Multispectral Imagery Data	9,534	6,006
Other	2,938	24,910
<b>Total Satellite Image Data</b>	<b>99,708</b>	<b>14,502,982</b>
<b>USGS Cartographic / Topographic Data</b>		
	<b>Quads</b>	<b>Products</b>
<b>DEM</b>		
7.5' Digital Elevation Model	54,304	93,284
15' Digital Elevation Model	2,886	3,690
30' Digital Elevation Model	779	1,569
250k Digital Elevation Model	N/A	1,385
<b>DLG</b>		
7.5'k & 15' Digital Line Graph	40,019	181,124
100k Digital Line Graph	1,842	21,830
1:2 M Digital Line Graph	49	323
<b>LULC</b>		
Land Use Land Cover	N/A	2,749
<b>DOQ</b>		
'3.75' Digital Orthophotoquad Quarter Quad	N/A	250,441
7.5' Digital Orthophotoquad Full	N/A	2,077
Digital Orthophotoquad County CD'S	N/A	433
<b>DRG</b>		
Digital Raster Graphics	N/A	58,677
<b>MRLC</b>		
Multi-Resolution Land Characteristics	N/A	10,190
<b>Other USGS Cartographic / Topographic Data</b>		
GTOPO 30	N/A	33
National Atlas	N/A	166
<b>Total USGS Cartographic / Topographic Data</b>	<b>99,879</b>	<b>627,971</b>
<b>Total Digital Holdings</b>	<b>209,858</b>	<b>15,150,654</b>

N/A = Information not available.

\* SPOT data added to archive in FY2001.

# National Satellite Land Remote Sensing Data Archive Report (NSLRSDA) As Of September 2003

	Date Range	Frames
<b>Declassification I</b>		
CORONA (KH-1, KH-2, KH-3, KH-4, KH-4A, KH-4B)	Aug-60 - May-72	907,827
ARGON (KH-5)	May-62 - Aug-63	36,985
LANYARD (KH-6)	Jul-60 - Aug-64	908
<b>Total Declass I</b>		<b>945,720</b>
<b>Declassification II</b>		
KH-7	Jul-63 - Jun-67	17,814
KH-9	Mar-73 - Oct-80	29,140
<b>Total Declass II</b>		<b>46,954</b>
<b>Landsat MSS</b>		
Landsat MSS 70-mm	Jul-72 - Sep-78	1,342,187
Landsat MSS 9-inch	Mar-78 - Oct-92	1,338,195
Landsat MSS Color Composite	Jul-72 - Mar-83	18,271
<b>Total Landsat MSS</b>		<b>2,698,653</b>
<b>Landsat TM</b>		
Landsat TM 9-inch	Aug-82 - May-88	175,665
Landsat TM Color Composite	Jul-82 - Sep-92	1,866
<b>Total Landsat TM</b>		<b>177,531</b>
<b>Landsat RBV</b>		
Landsat RBV	Jul-72 - Mar-83	137,870
<b>Total Landsat RBV</b>		<b>137,870</b>
<b>TOTAL FRAMES</b>		<b>4,006,728</b>

	Date Range	Scenes	Total Size (terabytes)
<b>Landsat MSS</b>			
Landsat 1 - MSS	Jul-72 - Nov-82	149,566	0.245
Landsat 2 - MSS	Jan-75 - Dec-82	191,892	0.191
Landsat 3 - MSS	Mar-78 - Mar-83	91,372	0.401
Landsat 4 - MSS	Sep-81 - Oct-92	53,747	0.682
Landsat 5 - MSS	Mar-84 - Oct-92	173,008	0.212
<b>Total Landsat MSS</b>		<b>659,585</b>	<b>1.731</b>
<b>Landsat TM</b>			
Landsat 4 - TM	Aug-82 - Nov-02	68,113	0.065
Landsat 5 - TM	Mar-84 - Oct-03	514,653	0.009
<b>Total Landsat TM</b>		<b>582,766</b>	<b>0.073</b>
<b>SPOT</b>			
SPOT	Jun-86 - Dec-98	943,759	0.018
<b>Total SPOT</b>		<b>943,759</b>	<b>0.018</b>
<b>AVHRR</b>			
AVHRR	Feb-80 - Jun-03	298,934	0.031
<b>Total AVHRR</b>		<b>298,934</b>	<b>0.031</b>
<b>Total Scenes</b>		<b>2,485,044</b>	<b>1.853</b>
<b>Grand Total Frames and Scenes</b>		<b>6,491,772</b>	<b>262.7 terabytes</b>

1 Terabyte = 1,099,511,627,776



## USGS Digital Data Totals and Size As Of September 2003

Data Set	Source	Archive Location	Average Granule Size (Bytes)	Number of Granules	Total Size - All Granules (Terabytes)
<b>Land Remote Sensing</b>					
<b>Aerial Data</b>					
<b>LPDAAC Airborne Digital Data</b>					
TMS/NS001 TM/TIMS	NASA	EDC	130,000,000	7,323	0.8658
Advanced Solid-State Array Sensor (ASAS)	NASA	EDC	500,000,000	162	0.0737
MODIS/ASTER Airborne Simulator (Master)	NASA	EDC	550,000,000	1,456	0.7283
AVIRIS	NASA	EDC	845,460	4,904	0.0038
<b>Other Source Digital Data</b>					
Side Looking Airborne (SLAR)	USGS	EDC	TBD	2,928	TBD
<b>Satellite Digital Data</b>					
<b>LPDAAC Digital Data</b>					
SIR-C Precision Processed	NASA	EDC	300,000,000	18,377	5.0141
GLCTS	NASA	EDC	5,000,000,000	25	0.1137
NALC	NASA	EDC	600,000,000	2,531	1.3812
NLDC - CEES-TM	NASA	EDC	500,000,000	99	0.0450
GCLDC	NASA	EDC	TBD	490	TBD
NLDC	NASA	EDC	TBD		TBD
HFTP-TM (unprocessed)	NASA	EDC	500,000,000	886	0.4029
HFTP-MSS (unprocessed)	NASA	EDC	100,000,000	1,318	0.1199
HFTP-TM (unprocessed)	NASA	EDC	500,000,000	844	0.3838
HFTP-MSS (unprocessed)	NASA	EDC	100,000,000	820	0.0746
Earth Sat ETM+ (Millenium Assesment)	NASA	EDC	TBD	TBD	TBD
Earth Sat TM	USGS	EDC	400,000,000	7,453	2.7114
GTOPO30	USGS	EDC	87,400,000	33	0.0026
Hydro 1K Elevation	USGS	EDC	19,933,000	48	0.0009
Level 1R Sample Data	USGS	EDC	1,300,000,000	10	0.0118
Sample Data	USGS	EDC	500,000,000	35	0.0159
Global Land Cover Characterization (GLCC) v.1 and v.2	USGS	EDC	200,000,000	10	0.0018
AVHRR 1-KM Orbital Segment	USGS	EDC	170,000,000	31,583	4.8832
ASTER - TERRA	NASA	EDC	89,200,000	1,455,237	118.0589
MODIS - TERRA	NASA	EDC	131,820,000	9,772,632	1171.6369
MODIS - AQUA	NASA	EDC	TBD	TBD	TBD
<b>AVHRR Digital Data</b>					
EDC - HRPT Data (Direct and FTP)	NOAA	NOAD / EDC	120,000,000	69,037	7.5347
LAC Data Received via FTP	NOAA	NOAA / EDC	120,000,000	81,482	8.8929
Data Received from Other Sources	NOAA	NOAA / EDC	120,000,000	148,415	16.1979
<b>DOD Digital Data</b>					
Air Force	USAF	EDC	TBD	11	TBD
SPOT	DOD	EDC	65,000,000	308	0.0182
MSI	DOD	EDC	TBD	5,687	TBD
<b>Other Source Digital Data</b>					
TM Scrounge	USGS	EDC	TBD	942	TBD
SPOT	USGS	EDC	65,000,000	943,759	55.7923
SpotView	USGS	EDC	TBD	1,029	TBD
<b>Landsat Digital Data</b>					
MSS	USGS	EDC	30,000,000	659,585	17.9967
TM	USGS	EDC	250,000,000	582,766	132.5056
ETM+	NASA / USGS	EDC	500,000,000	538,311	244.7955
<b>Subtotal Terabytes:</b>					<b>1790.2640</b>
<sup>a</sup> 1 terabyte = 1,099,511,627,776 bytes					

## USGS Digital Data Totals and Size (con't) As Of September 2003

Data Set	Source	Archive Location	Average Granule Size (Bytes)	Number of Granules	Total Size - All Granules (Terabytes)
<b>Cartographic and Topographic Data</b>					
<b>Digital Data</b>					
<b>Digital Raster Graphics (DRG)</b>					
DRG	USGS	MCMC / EDC	10,000,000	58,677	0.5337
<b>Digital Orthophoto Quad (DOQ)</b>					
DOQ - Quarter Quad (3.75 Minute) B/W	USGS	WMC / EDC	45,000,000	188,940	7.7328
DOQ - Quarter Quad (3.75 Minute) CIR	USGS	WMC / EDC	150,000,000	61,336	8.3677
DOQ - Quarter Quad (3.75 Minute) Natural Color	USGS	WMC / EDC	143,600,000	165	0.0215
DOQ - Full Quad (7.5 Minute) B/W	USGS	WMC / EDC	155,000,000	1,665	0.2347
DOQ - Full Quad (7.5 Minute) AK B/W	USGS	WMC / EDC	177,000,000	318	0.0512
DOQ - Full Quad (7.5 Minute) AK CIR	USGS	WMC / EDC	87,000,000	94	0.0074
DOQ - County Products	USGS	RMMC / EDC	650,000,000	433	0.2560
<b>Digital Line Graph (DLG)</b>					
DLG - 7.5 Minute	USGS	RMMC / EDC	200,000	175,021	0.0318
DLG - 15 Minute	USGS	RMMC / EDC	250,000	6,103	0.0014
DLG - 100k	USGS	RMMC / EDC	500,000	21,830	0.0099
DLG - 2 Million	USGS	EDC	155,000	323	0.0000
<b>Digital Elevation Model (DEM)</b>					
DEM - 7.5 Minute	USGS	MCMC / EDC	1,000,000	93,284	0.0848
DEM - 15 Minute	USGS	MCMC / EDC	1,400,000	3,690	0.0047
DEM - 2 ARC Second (30 Minute)	USGS	EDC	5,600,000	1,569	0.0080
DEM - 250k (1 Degree)	USGS	EDC	900,000	1,385	0.0011
<b>High Resolution Ortho-rectified Scanned Images</b>					
133 Urban Area	USGS	MCMC / EDC	TBD	TBD	TBD
New Jersey	USGS	MCMC / EDC	TBD	TBD	TBD
<b>National Atlas</b>					
National Atlas	USGS	MAC / EDC	16,000,000	166	0.0024
<b>GAM Digital Data</b>					
<b>Land Use / Land Cover (LULC)</b>					
LULC - 100k	USGS	EDC	500,000	269	0.0001
LULC - 250k	USGS	EDC	500,000	2,480	0.0011
<b>M.R.L.C. Data</b>					
Basic or Raw Scenes	USGS Coop	EDC	TBD	1,476	TBD
Preprocessed Scenes	USGS Coop	EDC	TBD	1,415	TBD
Terrain Corrected Scenes	USGS Coop	EDC	TBD	901	TBD
GAP Contributed Scenes	USGS Coop	EDC	TBD	10	TBD
DEM Scenes	USGS Coop	EDC	TBD	900	TBD
Multitemporal Scenes	USGS Coop	EDC	TBD	1,703	TBD
Clustered Scenes	USGS Coop	EDC	TBD	3,425	TBD
1-KM MRLC Composites	USGS Coop	EDC	TBD	360	TBD
<b>Subtotal:</b>					<b>17.3506</b>
<b>Total Terabytes:</b>					<b>1,807.6146</b>
<sup>a</sup> 1 terabyte = 1,099,511,627,776 bytes					