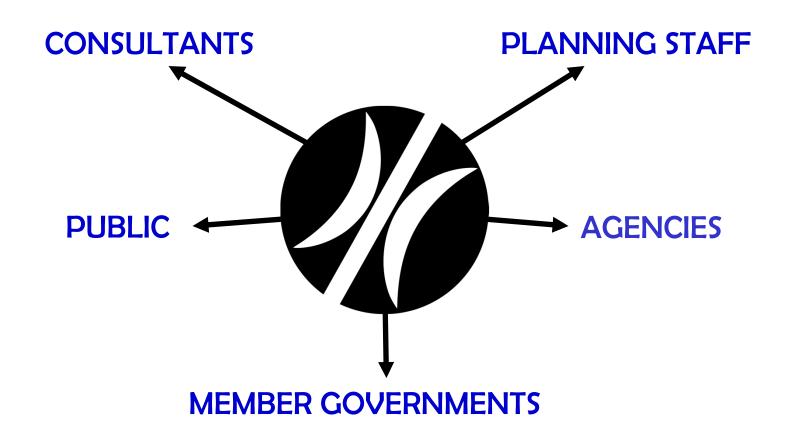
Overview of DVRPC's Aerial Imagery Products



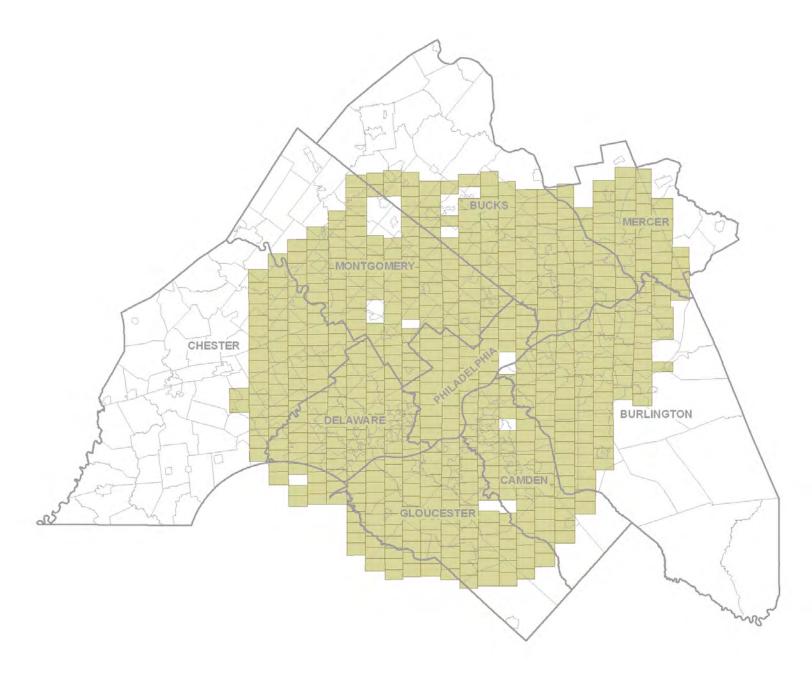
Information Resources Exchange Group Meeting June 7, 2006

Aerial Photography/Orthophotography Users

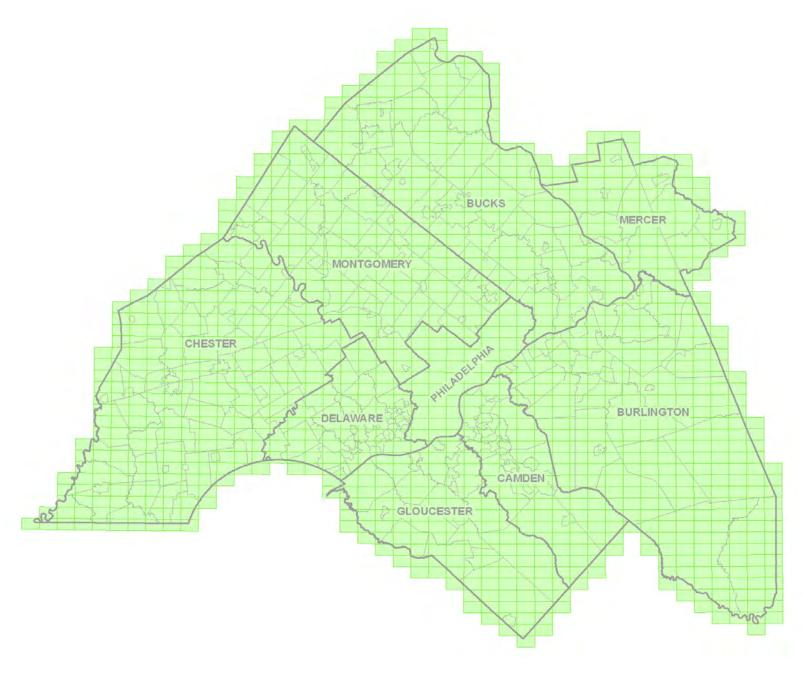


DVRPC's Historic Aerial Photography

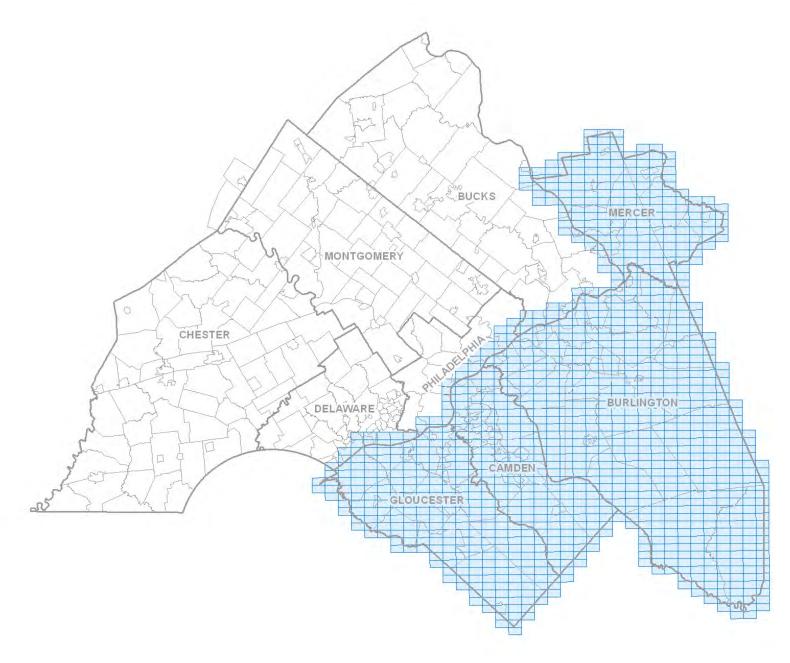
- Available for the year 1959, then in 5 year increments from 1965 to 1995
- Non-orthocorrected scans of mylar photo enlargements
- Digital Scans (TIFFs) on CD/DVD
- Hardcopy 1"=400' (approximate scale) prints of scans



1959 Aerial Photo "Atlas Sheet" Index



1965 through 1995 Aerial Photo "Atlas Sheet" Index



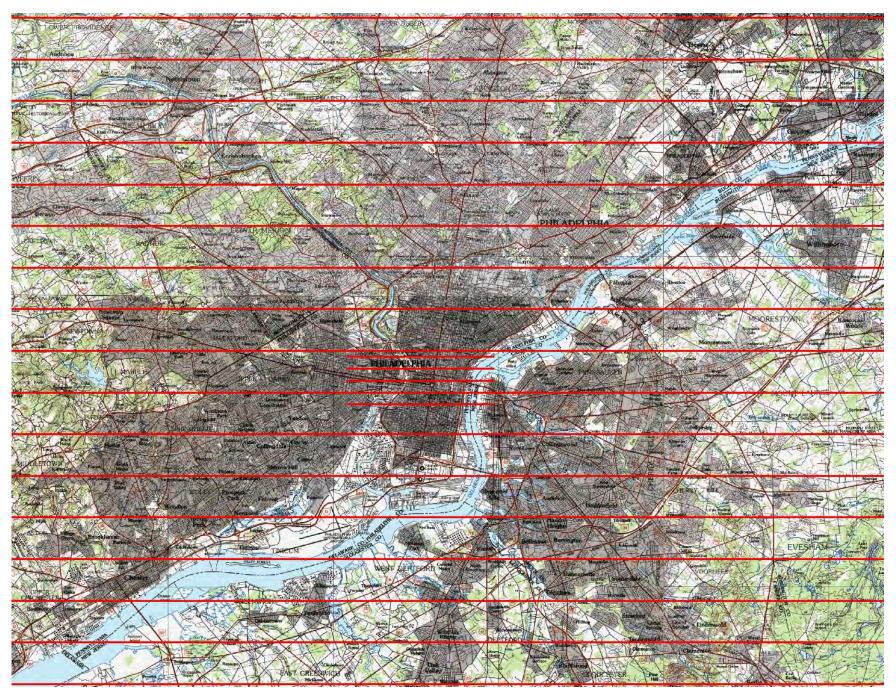
2000 Orthophoto Index

DVRPC's 2000 Imagery Characteristics

- Aircraft-based acquisition
- Black & white film, scanned to create digital images
- 1.5' pixel resolution
- 1"=200' design scale
- Ortho-corrected to obtain a +/-5' positional accuracy
- X/Y grid format specific to 2000 orthophotos

DVRPC's 2005 Imagery Characteristics

- Flown in Spring 2005
- Aircraft-based acquisition
- Leica Geosystems ADS40 Digital Sensor (pushbroom, multispectral)
- ISTAR software processing of raw digital imagery
- Orientation via ground control, IMU and ABGPS
- Traditional DEM compilation and contour generation
- X/Y grid format corresponding to 2000 orthophotos (State Plane



Portion of 2005 Flight Line Map

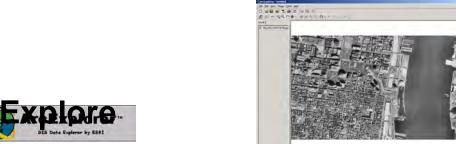
DVRPC's 2005 Imagery Deliverables

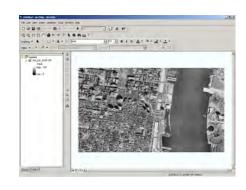
- True color, digital orthos (1' pixel resolution, 1"=200' design scale, +/-5' horizontal accuracy, TIFF and MrSID formats in appropriate State Plane coordinate system)
- Digital Elevation Models (ESRI-compatible ASCII point file by county in appropriate State Plane coordinate system)
- Digital Elevation Models (ESRI-compatible TIN by county in appropriate State Plane coordinate system)
- 5' contours (Index contours and spot elevations labeled in feet)

Viewing the Orthophotos

Applications









Release and Disclaimer Policy

- Each purchaser signs a disclaimer, which is also included on the CD/DVD and the jewel case
- DVRPC is held harmless from damages and no guarantees or updates are provided
- Photos may be used by the purchaser only
- Users may not copy, share, sell or release
- Users may not display on web or make available for download

Old Aerial Imagery Pricing Structure

2000 Orthophotos - Digital (TIFF):

\$10 per tile – Custom Set

\$8 per tile – Municipal Set (\$50 minimum) (\$50 minimum)

\$5 per tile - County Set

2000 Orthophotos - Digital (MrSID):

\$10 per tile - Custom Set

\$5 per tile – Municipal Set

\$3 per tile - County Set

2000 Orthophotos - Hardcopy:

\$25 per print (1-9 prints @ 1"=200' scale, by tile)

\$20 per print (10+ prints @ 1"=200' scale, by tile)

\$20 per print (1-9 prints @ 1"=400' scale, by tile)

\$15 per print (10+ prints @ 1"=400' scale, by tile)

<u>Historic Aerial Photo "Atlas Sheet" Scan – Digital (TIFF):</u>

\$6 per sheet

Historic Aerial Photo "Atlas Sheet" Scan - Hardcopy:

\$20 per print (1-9 prints)

\$15 per print (10+ prints)

New Aerial Imagery Pricing Structure

2005/2000 Orthophotos – Digital (TIFF): Digital (MrSID):

2005/2000 Orthophotos -

\$10 per tile

\$5 per tile - County Set

\$6 per tile

\$3 per tile - County Set

2005 Orthophotos - Hardcopy:

\$30 per print (wall size, various scales)

\$15 per print (report size*, various scales)

2000 Orthophotos - Hardcopy:

\$25 per print (wall size, various scales)

\$10 per print (report size*, various scales)

Historic Aerial Photo "Atlas Sheet" Scan - Digital (TIFF):

\$6 per sheet

<u>Historic Aerial Photo "Atlas Sheet" Scan – Hardcopy:</u>

\$20 per print (wall size)

^{*} Report size prints are considered



Typical "Atlas Sheet" Vertical File Folder



Oce CS4032 Color Scanner and TDS400 Printer



Oce CS4032 Color Scanner



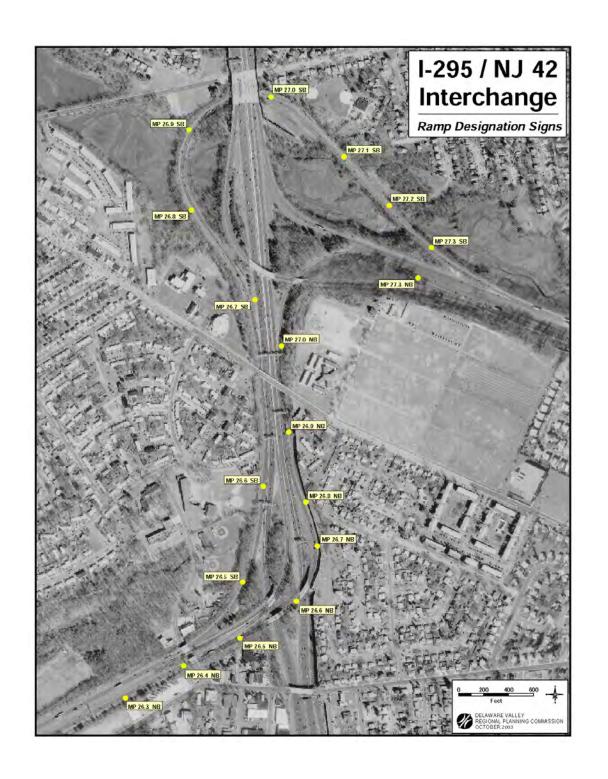
Oce TDS400 Printer

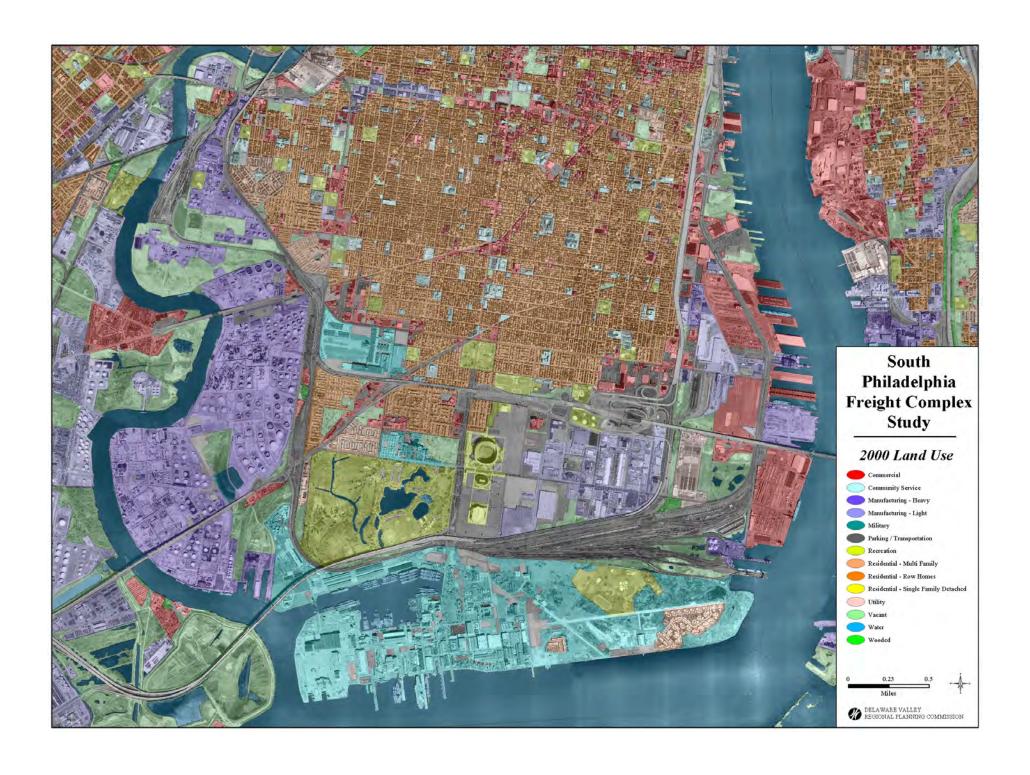


Oce TCS500 Inkjet Printer

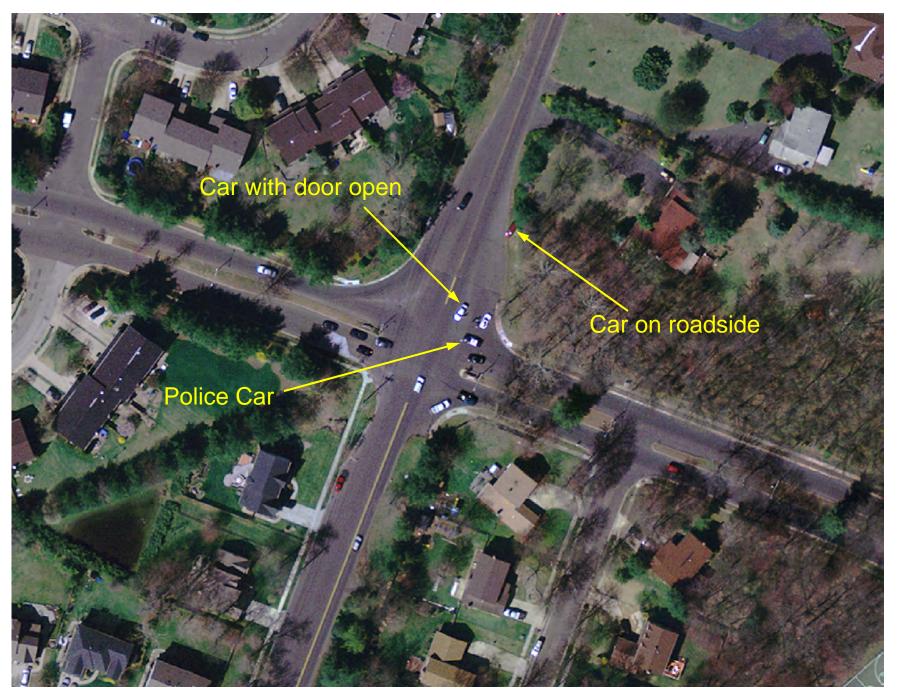


Rimage DLN5200 DVD/CD Publisher





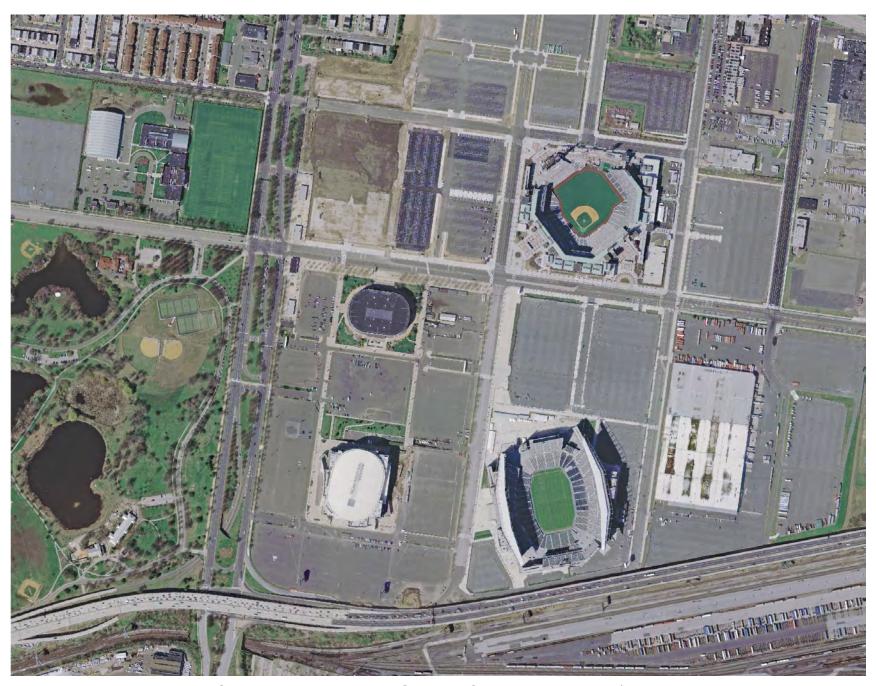




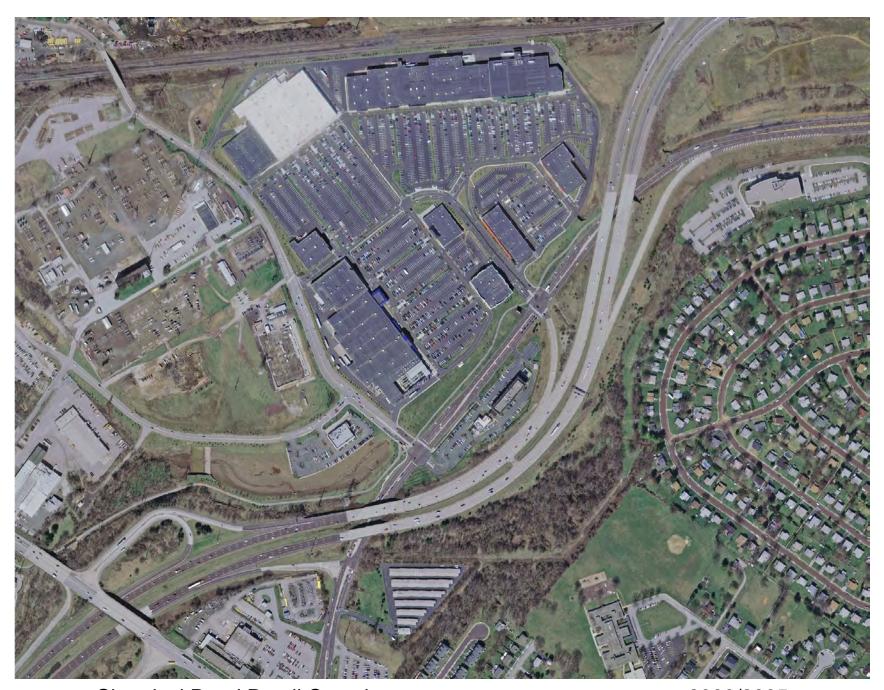
Traffic Accident



Philadelphia & Camden Waterfronts - 2000/2005



South Philadelphia Sports Complex - 2000/2005



Chemical Road Retail Complex (Plymouth Twp., Montgomery Co., PA) - 2000/2005



Centerton Square Retail Complex (Mt. Laurel Twp., Burlington Co., NJ) - 2000/2005



Hartford Corners Shopping Center (Delran Twp., Burlington Co., NJ) - 2000/2005



Comparison of 1965, 1975, 1985, 1995, 2000 & 2005 Aerial Imagery

For more information visit DVRPC's website:



www.dvrpc.org





Delaware Valley Regional Planning Commission



TRENDS IN THE DELAWARE VALLEY REGION

1980-2000



Report Contents

- Regional Statistics
 - Population
 - Employment
 - Resident Workers
 - Commuting Patterns
 - Mode of Travel
- County Statistics
 - Population, Households, Employed Residents & Vehicles Owned
 - Employment Estimates
 - Employed Persons & Place of Work
 - Means of Transportation & Travel Time
- City Statistics & Philadelphia CBD
 - Population
 - Employment
 - Resident Workers
 - Commuting Patterns
 - Mode of Travel



Data Sources

- Decennial U.S. Census
- Long Form Sent to 17% of Households
 - Population
 - Distribution of Resident Workers
 - Commutation Patterns
 - Means of Transportation
 - Time Departing for Work
 - Travel Time to Work
 - Employment
- Census counts single jobs and only those at work during census week. Adjusted with data from BEA, BLS, ES 202, etc.





Regional Statistics: Population

1970, 1980, 1990, and 2000 Population Trends in the Delaware Valley Region

		Censu	Percent Change				
County	1970	1980	1990	2000	'80-'90	'90-'00	'70-'00
Chester Delaware Philadelphia	277,746 603,456 1,949,996	316,660 555,023 1,688,210	376,396 547,651 1,585,577	433,512 551,989 1,517,549	18.9% -1.3% -6.1%	15.2% 0.8% -4.3%	56.1% -8.5% -22.2%
PA Total	3,872,006	3,682,450	3,728,909	3,849,664	1.3%	3.2%	-0.6%
Camden Gloucester	456,291 172,681	471,650 199,917	502,824 230,082	507,889 255,719	6.6% 15.1%	1.0% 11.1%	11.3% 48.1%
NJ Total	1,256,220	1,341,972	1,453,796	1,537,757	8.3%	5.8%	22.4%
TOTAL	5,128,226	5,024,422	5,182,705	5,387,421	3.2%	3.9%	5.1%







Regional Statistics: Employment

1980, 1990, and 2000 Employment Trends in the Delaware Valley Region

County	1980	1990	2000	'80-'90	'90-'00	'80-'00
Chester Delaware Philadelphia	134,362 197,818 835,812	197,752 230,459 836,874	238,641 238,164 741,397	47.2% 16.5% 0.1%	20.7% 3.3% -11.4%	77.6% 20.4% -11.3%
PA Total	1,717,460	1,967,931	1,978,003	14.6%	0.5%	15.2%
Camden Gloucester	186,746 61,732	227,933 86,079	216,931 99,467	22.1% 39.4%	-4.8% 15.6%	16.2% 61.1%
NJ Total	564,680	725,949	739,848	28.6%	1.9%	31.0%
TOTAL	2,282,140	2,693,880	2,717,851	18.0%	0.9%	19.1%

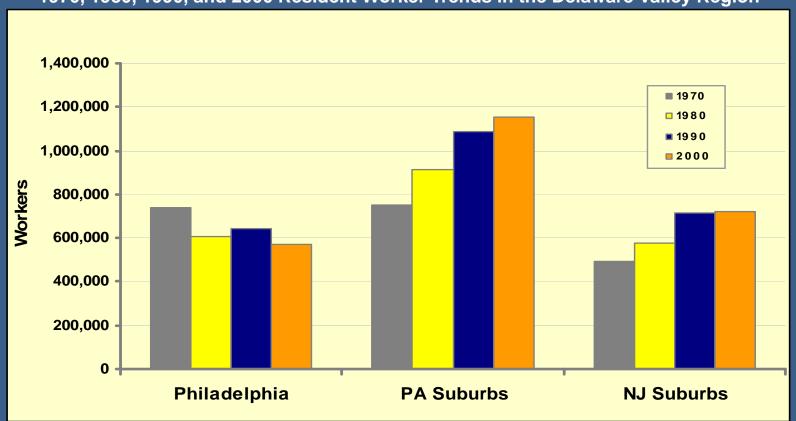






Regional Statistics: Resident Workers

1970, 1980, 1990, and 2000 Resident Worker Trends in the Delaware Valley Region

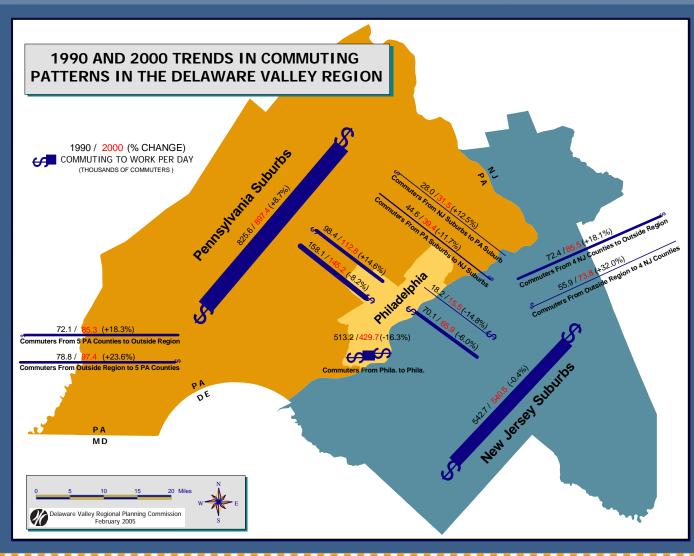








Regional Statistics: Commuting Patterns





Regional Statistics: Commuting Patterns

1990 and 2000 County-to-County Patterns in the Delaware Valley Region Distribution of Employed Persons by Place of Residence and Employment

Place of Residence	Year	Chester	Place of En	nployment Phila.	: Camden	Mercer	Outside DVRPC Region	Total Resident Workers
Chester	1990	118,433	25,411	11,771	1,027	238	18,400	195,507
	2000	137,678	25,673	10,568	539	222	23,633	218,153
Montgomery	1990	17,920	229,923	55,956	2,808	1,024	11,452	352,960
	2000	25,006	245,619	54,576	1,844	1,298	14,045	379,832
Philadelphia	1990	5,303	54,113	513,167	10,083	1,953	10,717	640,577
	2000	7,810	59,970	429,667	7,196	1,676	11,803	569,761
Camden	1990	863	3,835	38,252	130,616	1,949	14,252	234,532
	2000	867	3,910	32,961	123,735	2,472	14,243	230,408
Mercer	1990	122	518	1,229	540	124,761	29,811	162,920
	2000	94	704	1,548	588	112,449	39,864	163,257
Outside	1990	15,708	22,892	19,882	7,065	33,072	-	134,697
DVRPC Region	2000	21,160	29,334	19,248	9,058	43,029		171,184
Total Employed	1990	175,975	406,931	761,244	207,286	204,826	144,494	
Persons at Work	2000	241,603	446,812	660,050	196,187	200,225	170,801	



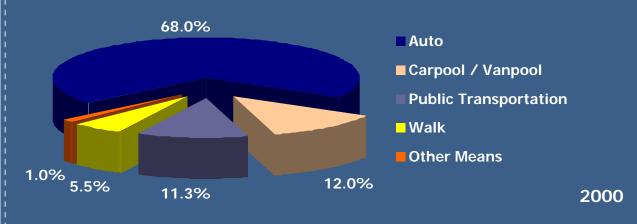


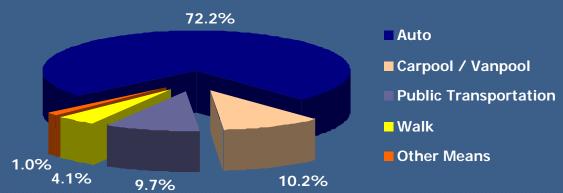


Regional Statistics: Mode of Commute

1990 and 2000 Mode of Travel Trends in the Delaware Valley Region









Source: U.S. Bureau of the Census





Mercer County Statistics: Population & Employment

Population, Household, Employed Residents and Vehicles Owned (Thousands)

		Cens	Percent Change			
<u>Variable</u>	<u>1970</u>	<u>1980</u>	<u>1990</u>	2000	<u>1990-2000</u>	1970-2000
Population	304	308	326	351	7.7%	15.3%
Households	93	106	117	126	7.6%	34.6%
Employed Residents	124	139	163	163	0.2%	31.9%
Vehicles Owned	119	147	188	204	8.9%	71.9%

Employed Persons at Work and Employment in Mercer County (Thousands)

	C	ensus Ye	ar	Percent Change		
<u>Variable</u>	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>1980-1990</u>	1990-2000	
Employed Persons at Work	165	205	200	24.3%	- 2.2%	
Employment (Total Jobs)	180	221	221	22.5%	0.1%	





Mercer County Statistics: Resident Workers



		Census Ye	Percent Change		
Place of Work	1980	1990	2000	'80-'90	'90-'00
Bucks	3,169	2,935	3,865	-7.4%	31.7%
Montgomery	242	518	704	114.0%	35.9%
Philadelphia	927	1,229	1,548	32.6%	26.0%
PA Total	4,459	4,986	6,455	11.8%	29.5%
Burlington	2,335	2,746	3,765	17.6%	37.1%
Mercer	114,251	124,761	112,449	9.2%	-9.9%
NJ Total	117,009	128,123	116,938	9.5%	-8.7%
Total DVRPC Region	121,468	133,109	123,393	9.6%	-7.3%
New York City, NY	3,957	5,586	6,545	41.2%	17.2%
Hunterdon Co., NJ	547	1,116	1,194	104.0%	7.0%
Middlesex Co., NJ	7,108	12,137	16,597	70.8%	36.7%
Monmouth Co., NJ	981	1,834	2,483	87.0%	35.4%
Somerset Co., NJ	1,758	3,266	5,364	85.8%	64.2%
Other	3,144	5,872	7,681	86.8%	30.8%
Total External	17,495	29,811	39,864	70.4%	33.7%
Total Workers	138,963	162,920	163,257	17.2%	0.2%







Mercer County Statistics: Employed Persons

Distribution of Employed Persons in Mercer County by Place of Work

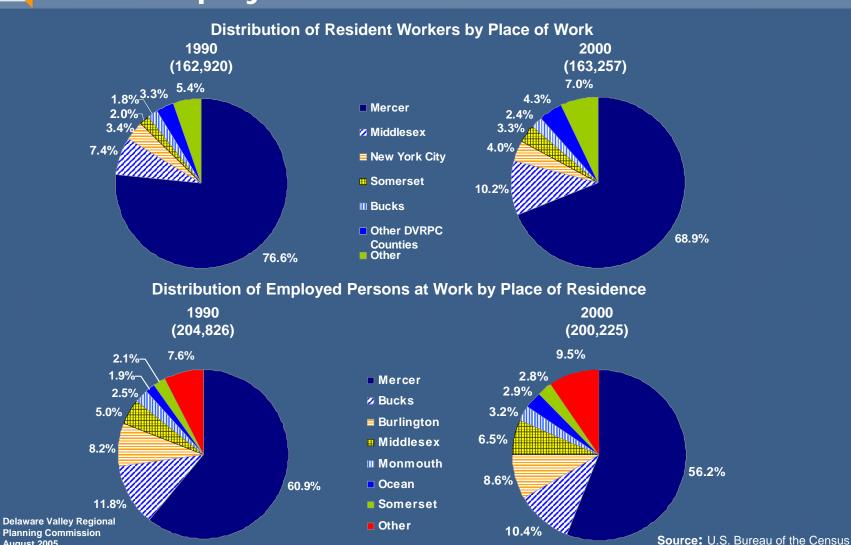
	С	ensus Yea	ir	Percent Change
County of Residence	1980	1990	2000	'90-'00
Bucks	15,678	24,160	20,812	-13.9%
Montgomery	354	1,024	1,298	26.8%
Philadelphia	937	1,953	1,676	-14.2%
Total PA Counties	17,081	27,654	24,353	-11.9%
Burlington	10,738	16,711	17,158	2.7%
Mercer	114,251	124,761	112,449	-9.9%
Total NJ Counties	126,301	144,100	132,843	-7.8%
Total DVRPC Region	143,382	171,754	157,196	-8.5%
Middlesex Co., NJ	6,754	10,264	12,952	26.2%
Monmouth Co., NJ	3,404	5,102	6,393	25.3%
Somerset Co., NJ	3,114	4,376	5,575	27.4%
Ocean Co., NJ	2,655	3,933	5,865	49.1%
Hunterdon Co., NJ	2,659	3,518	3,492	-0.7%
Other	2,868	5,879	8,752	48.9%
Total Outside Region	21,454	33,072	43,029	30.1%
GRAND TOTAL	164,836	204,826	200,225	-2.2%







Mercer County Statistics: Employed Persons & Place of Work







Mercer County Statistics: Means of Transportation & Travel Time

2000 Commuter Means of Transportation & Travel Time

	Co	mmuters Who Mercer Cour		Commuters Who Work in Mercer County			
Means of Transportation	Number of Commuters	Share of Commuters	Average Travel Time (min)	Number of Commuters	Share of Commuters	Average Travel Time (min)	
Drive Alone	119,759	75.7%	24.3	158,850	81.5%	27.4	
Carpool / Vanpool	17,976	11.4%	26.5	21,302	10.9%	29.4	
Bus / Trolley / Taxi	4,919	3.1%	42.4	4,363	2.2%	38.3	
Subway / Elevated	148	0.1%	66.3	298	0.2%	64.8	
Railroad	6,145	3.9%	89.3	963	0.5%	79.4	
Bicycle	810	0.5%	15.9	826	0.4%	18.1	
Walk	7,335	4.6%	10.8	7,329	3.8%	11.1	
Other Means	1,007	0.6%	38.3	1,069	0.5%	<u>41.1</u>	
TOTAL	158,099	100%	27.1	195,000	100%	27.6	







Mercer County Statistics: Distribution of Carpools/Vanpools by Vehicle Occupancy

Distribution of Carpools/Vanpools by Vehicle Occupancy

Vehicle Occupancy	Number of Commuters	Percent of Total Commuters
2-person carpool/vanpool	13,280	8.4%
3-person carpool/vanpool	2,201	1.4%
4-or-more-person carpool/vanpool	<u>2,495</u>	<u>1.6%</u>
TOTAL	17,976	11.4%







Mercer County Statistics: Time Leaving for Work by Mode

Time Leaving for Work for 2000 Mercer County Resident Workers by Means of Transportation

			Time Leaving for Work					
			5:00 AM	6:30 AM	7:30 AM	8:30 AM	3:00 PM	5:00 PM
Means of	Number of	Percent of	to	to	to	to	to	to
Transportation	Workers	Commuters	6:29 AM	7:29 AM	8:29 AM	9:29 AM	3:59 PM	5:59 PM
Drove alone	119,646	75.9%	11,519	28,903	42,070	17,288	1,833	
			9.6%	24.2%	35.2%	14.4%	1.5%	0.9%
2-person carpool	13,182	8.4%	1,460	3,453	4,224	1,282		159
			11.1%	26.2%	32.0%	9.7%	3.8%	1.2%
Bus or trolley bus	4,613	2.9%	829	1,305	1,013	384	251	70
			18.0%	28.3%	22.0%	8.3%	5.4%	1.5%
Railroad or ferryboat	6,113	3.9%	2,113	2,685	961	102	0	29
Railfoad of leffyboat	0,113	3.9%	34.6%	43.9%	15.7%	1.7%	_	
			34.0 /	43.970	13.7 /0	1.7 /0	0.0 /8	0.5 %
Bicycle or walked	8,100	5.1%	428	902	1,435	1,474	289	1,201
	3,100	01170	5.3%	11.1%	17.7%	18.2%		
Taxicab, motorcycle,	1,221	0.8%	166	202	308	156	45	59
or other means			13.6%	16.5%	25.2%	12.8%	3.7%	4.8%
Total excluding	157,673	100%	17,700	38,885	50,905	21,109	3,008	2,623
"Worked at Home"	107,070	10070	· ·					
vvorked at nome			11.2%	24.7%	32.3%	13.4%	1.9%	1.7%

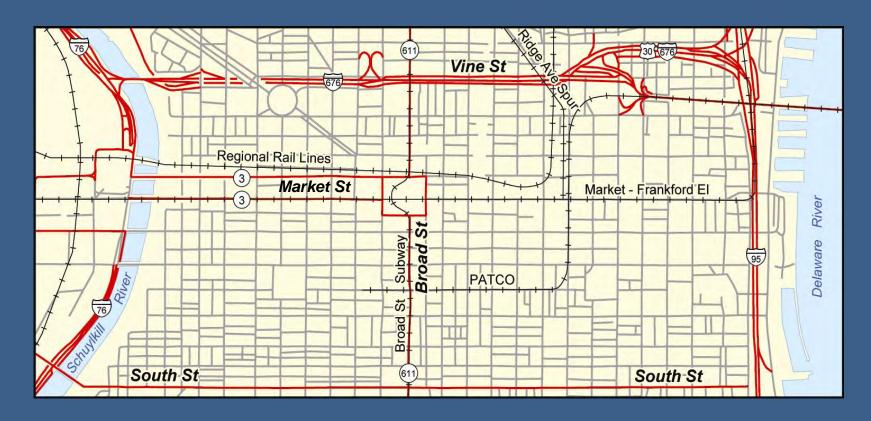






Philadelphia CBD











Philadelphia CBD: Population & Employment

Population, Households, Employed Residents and Vehicles Owned									
Census Year Percent Change									
<u>Variable</u>	<u>1980</u>	<u>1990</u>	2000	<u>1980-1990</u>	<u>1990-2000</u>				
Population	43,502	45,644	49,610	4.9%	8.7%				
Households	27,713	29,265	31,154	5.6%	6.5%				
Employed Residents	25,661	28,611	29,905	11.5%	4.5%				
Vehicles Owned	12,773	14,154	17,310	10.8%	22.3%				

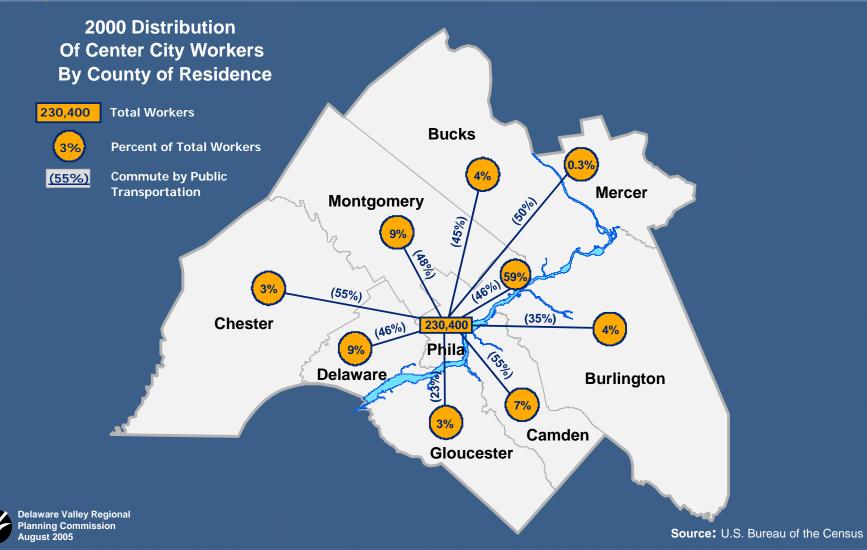
1980 - 2000 Employment Trend (Total Jobs)								
Census Year Percent Change								
<u>Area</u>	<u>Area</u> <u>1980</u> <u>1990</u> <u>2000</u> <u>1980-1990</u> <u>1990-2000</u>							
Philadelphia CBD DVRPC Region	265,135 2,282,140	287,869 2,693,879	265,828 2,717,851	8.6% 18.0%	- 7.7% 0.9%			







Philadelphia CBD: Commuting Patterns of Workers







Philadelphia CBD: Workers by Travel Mode

Employed Persons in Philadelphia CBD By Means of Transportation

		Census Yea	ır							
Employed Persons Percent Change										
Means of Transportation	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>1980-1990</u>	<u>1990-2000</u>					
Highway (total)	82,288	114,510	106,462	39.2%	-7.0%					
Share Ride	26,237	28,346	21,126	8.0%	-25.5%					
Transit (total)	137,800	109,495	105,387	-20.5%	-3.8%					
Walk	14,512	16,223	16,954	11.8%	4.5%					
Worked at Home	<u>754</u>	1,268	1,555	68.2%	22.6%					
Total	235,354	241,496	230,358	2.6%	-4.6%					







Philadelphia CBD: Means of Transportation & Travel Time

2000 Commuters Means of Transportation and Average Travel Time

		muters Who L Philadelphia (Commuters Who Work In The Philadelphia CBD			
Means of Transportation	Number of Commuters	Percent of Commuters	Average Travel Time (min)	Number of Commuters	Percent of Commuters	Average Travel Time (min)	
Drive Alone	6,709	24.0%	29.4	81,949	35.8%	36.8	
Carpool/Vanpool	1,089	3.9%	21.5	21,126	9.2%	35.1	
Bus/Trolley/Taxi	3,284	11.8%	28.4	42,362	18.5%	41.6	
Subway/Elevated	1,771	6.3%	25.9	28,435	12.4%	42.7	
Railroad	782	2.8%	69.6	34,545	15.1%	52.4	
Bicycle	888	3.2%	15.3	2,086	0.9%	19.0	
Walk	13,104	47.0%	14.8	16,954	7.4%	16.1	
Other Means	273	1.0%	55.3	1,346	0.6%	48.5	
Total	27,900	100%	22.8	228,803	99.9%	39.0	







Philadelphia CBD: Distribution of Carpools/Vanpools by Vehicle Occupancy

2000 Distribution of Carpools/Vanpools by Vehicle Occupancy

Vehicle Occupancy	Number of Commuters	Percent of Total <u>Commuters</u>
2-person carpool/vanpool	16,483	7.2%
3-person carpool/vanpool	3,305	1.4%
4-or-more-person carpool/vanpool	<u>1,338</u>	<u>0.6%</u>
Total	21,126	9.2%







Philadelphia CBD: Time Leaving for Work by Mode

Time Leaving for Work for 2000 Center City Philadelphia (CBD) Resident Workers by Means of Transportation

					Time Leaving for Work			
Means of	Number of	Percent of	5:00 AM to	6:30 AM to	7:30 AM to	8:30 AM to	5:00 PM to	
Transportation	Workers	Commuters	6:29 AM	7:29 AM	8:29 AM	9:29 AM	5:59 PM	
·								
Drove alone	6,711	24.0%	491	1,489	2,490	1,080	24	
			7.3%	22.2%	37.1%	16.1%	0.4%	
2-person carpool	879	3.1%	14	79	459	214		
			1.6%	9.0%	52.2%	24.3%	1.1%	
Pug or trolley bug	2.766	9.9%	158	317	4 422	656	20	
Bus or trolley bus	2,766	9.9%			1,133			
			5.7%	11.5%	41.0%	23.7%	0.7%	
Streetcar, trolley car,	1,934	6.9%	68	248	827	551	10	
subway, or elevated	, = =		3.5%	12.8%	42.8%	28.5%		
Railroad or ferryboat	799	2.9%	152	290	207	50	0	
			19.0%	36.3%	25.9%	6.3%	0.0%	
Bicycle or walked	13,995	50.1%	594	1,565	4,380	4,377		
			4.2%	11.2%	31.3%	31.3%	0.9%	
Total excluding	27,955	100%	1,532	4,168	9,742	7,165	196	
"Worked at Home"			5.5%	14.9%	34.8%	25.6%		
			0.070	1 110 70	- 0/0		- 511 76	







Conclusions

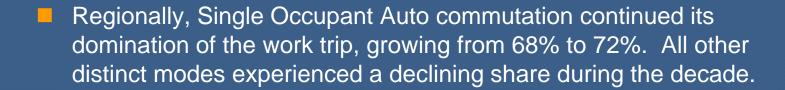


- Regional employment grew by less than one percent in the 1990's, with growth in NJ (1.9%) greater than PA (0.5%). When the loss in Philadelphia (-11.4%) is withdrawn, the PA growth is 9.3%.
- Resident worker growth in the 1990's totaled 6.0% and 1.4% in the PA and NJ counties.





Conclusions



- Highway modes experienced a 3.5 minute (15.6%) increase in travel time to work, while transit modes increased by 9.8 minutes (24.9%).
- The 7:30 AM 8:29 AM hour was the most preferred departure time for work (29.5%). This was true for all modes except carpools and railroad/ferryboat patrons, who preferred one hour earlier (6:30 AM 7:29 AM.)





Delaware Valley Regional Planning Commission



TRENDS IN THE DELAWARE VALLEY REGION

1980-2000





Summary of Freight Analysis Framework Commodity Origin-Destination Database for the Philadelphia CSA: 2002

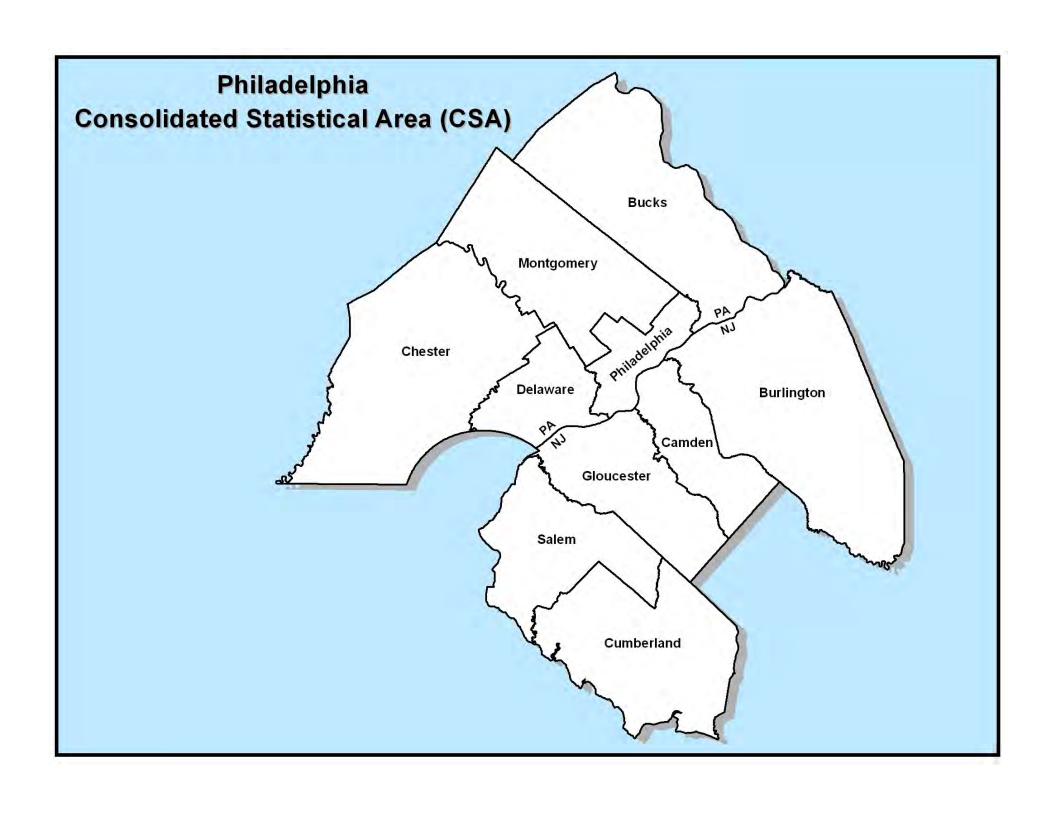
Presented by: Walker Allen June 7th, 2006

What FAF² is

- FAF² is the second version of the Freight Analysis Framework database produced by the Federal Highway Administration.
 - The original FAF was produced in 1997 and will be updated every five years.
- FAF² is an estimate of Commodity flows and related freight transportation activity among states, metropolitan areas, and international gateways.

What FAF² is

- FAF² is based on public data sources and transparent methods, covering all modes and significant sources of shipments.
 - Origins and destinations consist of 138 regions, 17 additional international gateways, and 7 international regions.
 - Commodities are broken down in 43 classes by 7 major modes.
- http://www.ops.fhwa.dot.gov/freight/



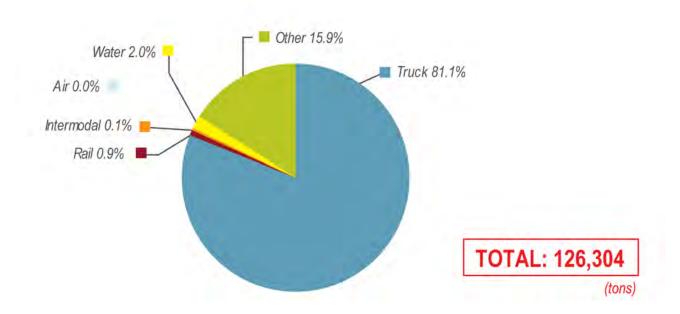
Major Modes

- Truck. Includes private and for-hire trucks.
- Rail. Any common carrier or private railroad.
- Water. Includes shallow draft and deep draft.
- Air (includes truck-air). Commercial or private aircraft, and all air service for shipments that typically weight over 100 pounds.
- Intermodal. Includes shipments weighing less than 100 pounds Parcel, U.S. Postal Service, or Courier, as well as shipments of all size by truck-water, water-rail, truck-rail, and other intermodal combinations.
- Other. Includes pipeline shipments because region-toregion flows by pipeline are subject to large uncertainty.

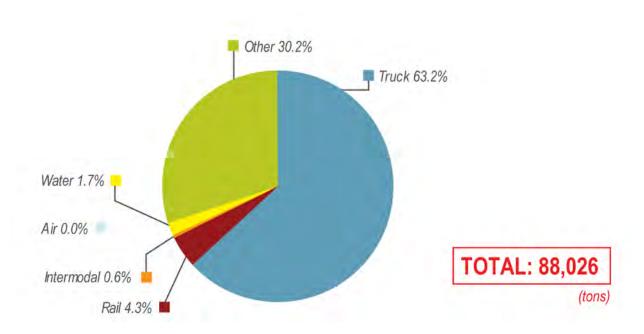
Examples

- Philadelphia to Chicago
 - Counts as an outbound shipment
- Baltimore to Philadelphia to New York
 - If it stops at a distribution center in Philadelphia it is counted as both an inbound and outbound shipment
- Baltimore to New York
 - Shipments passing through are not accounted for.
- Europe to Chicago through Philadelphia
 - Only included if it stops at a distribution facility in the Philadelphia CSA
 - Mode registered is that of domestic leg of the trip

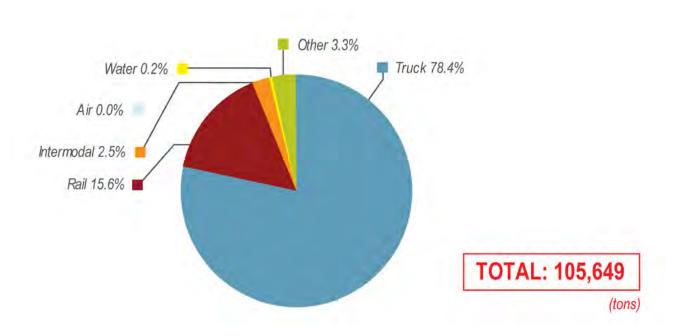
Weight of Intra-regional Shipments By Mode for the Philadelphia CSA: 2002



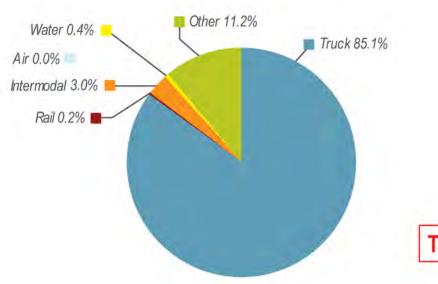
Weight of Outbound Shipments By Mode for the Philadelphia CSA: 2002



Weight of Inbound Shipments By Mode for the Philadelphia CSA: 2002



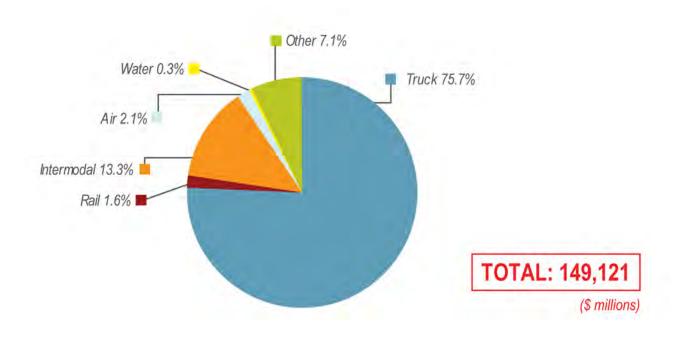
Value of Intra-regional Shipments By Mode for the Philadelphia CSA: 2002



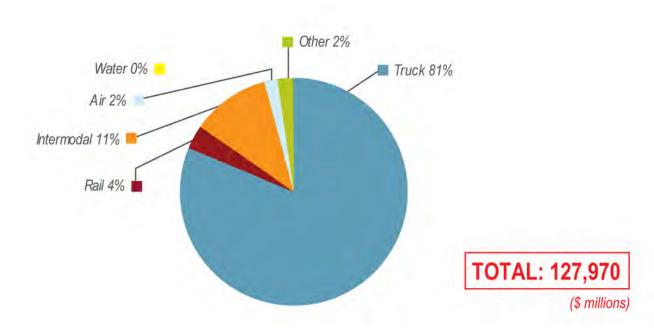
TOTAL: 64,879

(\$ millions)

Value of Outbound Shipments By Mode for the Philadelphia CSA: 2002



Value of Inbound Shipments By Mode for the Philadelphia CSA: 2002



Commodities

 The commodities are classified using the Standard Classification of Transported Goods (SCTG).

Top Commodities: 2002

Tons (thousands)				Value (\$ millions)							
Within Region From Region		To Region		Within Region		From Region		To Region			
Total	126,304	Total	88,026	Total	105,649	Total	64,879	Total	149,121	Total	1 27,970
Gasoline	29,664	Coal, n.e.c. ¹	27,771	Crude Petroleum	19,183	Machinery	5,998	Pharmaceuticals	22,039	Electronics	12,190
Gravel	17,160	Gasoline	10,912	Coal	6,746	Gasoline	5,794	Electronics	13,930	Machinery	11,805
Fuel Oils	15,300	Gravel	5,338	Cereal grain	s 6,187	Pharmaceuticals	5,024	Plastics/Rubber	9,194	Pharmaceuticals	10,473
Waste/Scrap	8,795	Fuel Oils	4,235	Gravel	5,884	Mixed Freight	4,851	Machinery	9,186	Textiles/Leather	10,061
Coal, n.e.c. ¹	7,588	Base metal	s 3,869	Base metals	5,739	Electronics	3,954	Coal, n.e.c.1	9,018	Mixed Freight	7,059

¹Coal and petroleum products, not elsewhere classified.

Trading Partners

 Top partners both to and from Philadelphia CSA

Top Trading Partners: 2002

	Tons (th	ousands)	Value (\$ millions)				
	Number	Percent		Number	Percent		
Total	193,675	100	Total	277,091	100		
NY Metro Area	49,830	26	NY Metro Area	49,600	18		
Pennsylvania remi	27,204	14	Pennsylvania rem ¹	25,241	9		
Delaware	14,333	7	Maryland	16,311	6		
Virginia	9,706	5	Delaware	12,332	4		
Maryland	8,577	4	Ohio	11,306	4		

¹ Pennsylvania remainder includes all counties in Pennsylvania except those included in the Philadelphia CSA. Note: Numbers may not add to totals due to rounding.

Contact Information

Any questions?

Walker Allen
215-238-2947
wallen@dvrpc.org