

CE 433

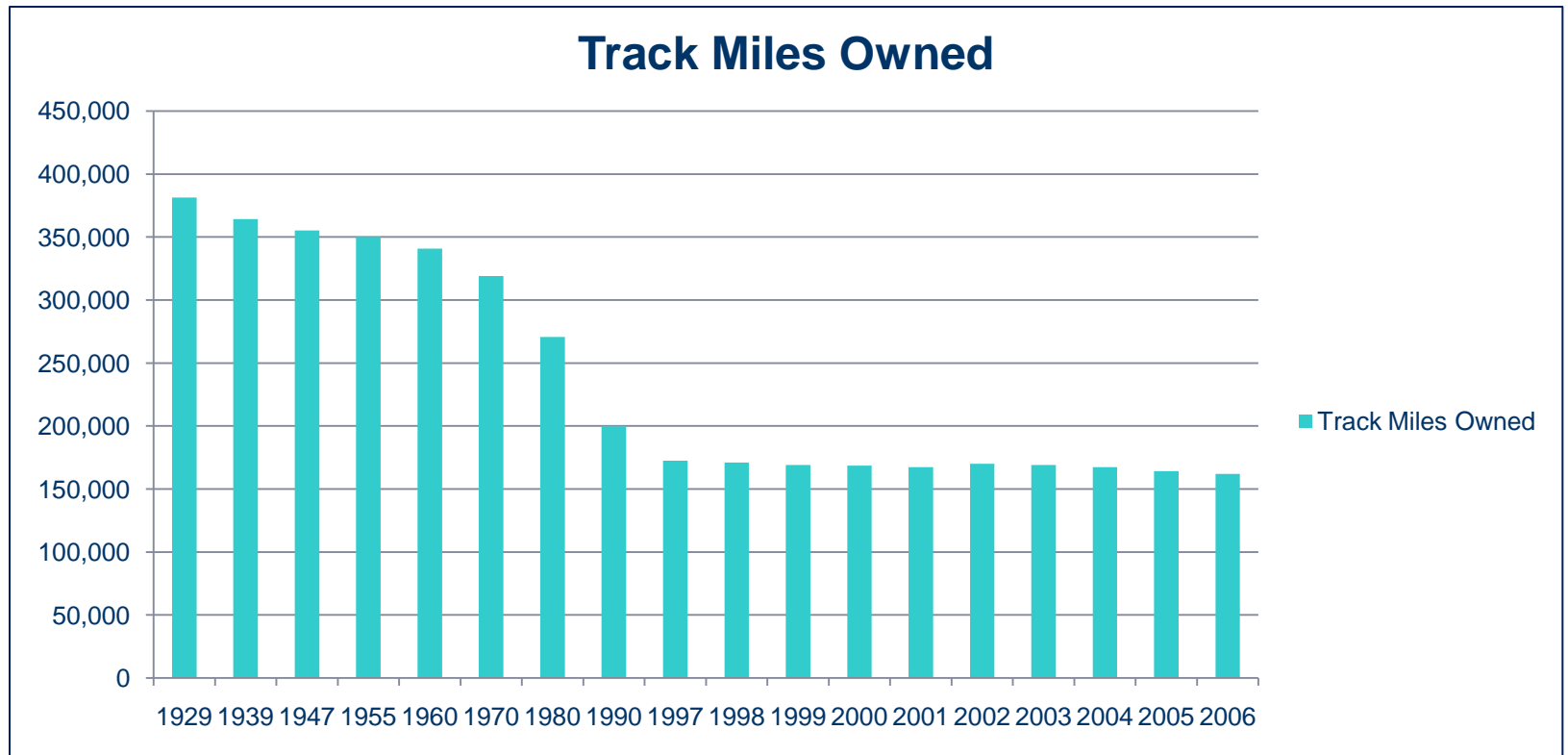
Introduction



Introduction

- Railroads were America's first large corporations
- ICC
- 3R, 4R, Staggers
- Mergers and Spin-offs
- STB

Track Miles Owned 1929-2006



Total Railroads – 1890-2006

Year	Total	Class 1
1880	1,174	
1890	1,797	
1900	2,023	
1910	2,196	
1920	1,785	186
1930	1,487	156
1940	1,096	131
1950	785	127
1960	621	106
1970	518	71
1980	480	39
1990	530	14
2000	560	8
2006	561	7

Primary U.S. Railroads

- Big Four
 - East
 - **CSX Transportation** – merger of Chessie system (C&O, B&O, WM) and Seaboard System (ACL, SAL, L&N), also 42% of Conrail (NYC Portion)
 - **Norfolk Southern Corp.** – merger of Norfolk & Western (Wabash, Nickle Plate) and Southern System, also 58% of Conrail (Pensy portion)



- One of seven Class I railroad companies in North America
- Dates back to 1827
- CSXT serves 23 states, the District of Columbia, and two Canadian provinces
- Approximately 21,000 miles of rail network
- Over 34,000 employees
- Headquarters in Jacksonville, FL



Primary U.S. Railroads

- Big Four
 - West
 - **Union Pacific** – merger of Southern Pacific and several other railroads; MP, C&NW, DRGW, WP, MKT
 - **BNSF** – merger of Burlington Northern (GN, NP, Burlington, Frisco) and the Santa Fe





BNSF

Primary U.S. Railroads

- Others (smaller)
 - **Canadian National** (with Illinois Central and GTW)
 - **Canadian Pacific** (with Soo Line and Milw)
 - **Kansas City Southern** (with Mexican railroads)
 - **Florida East Coast**
 - **New England Area**

Canadian National

















Canadian Pacific

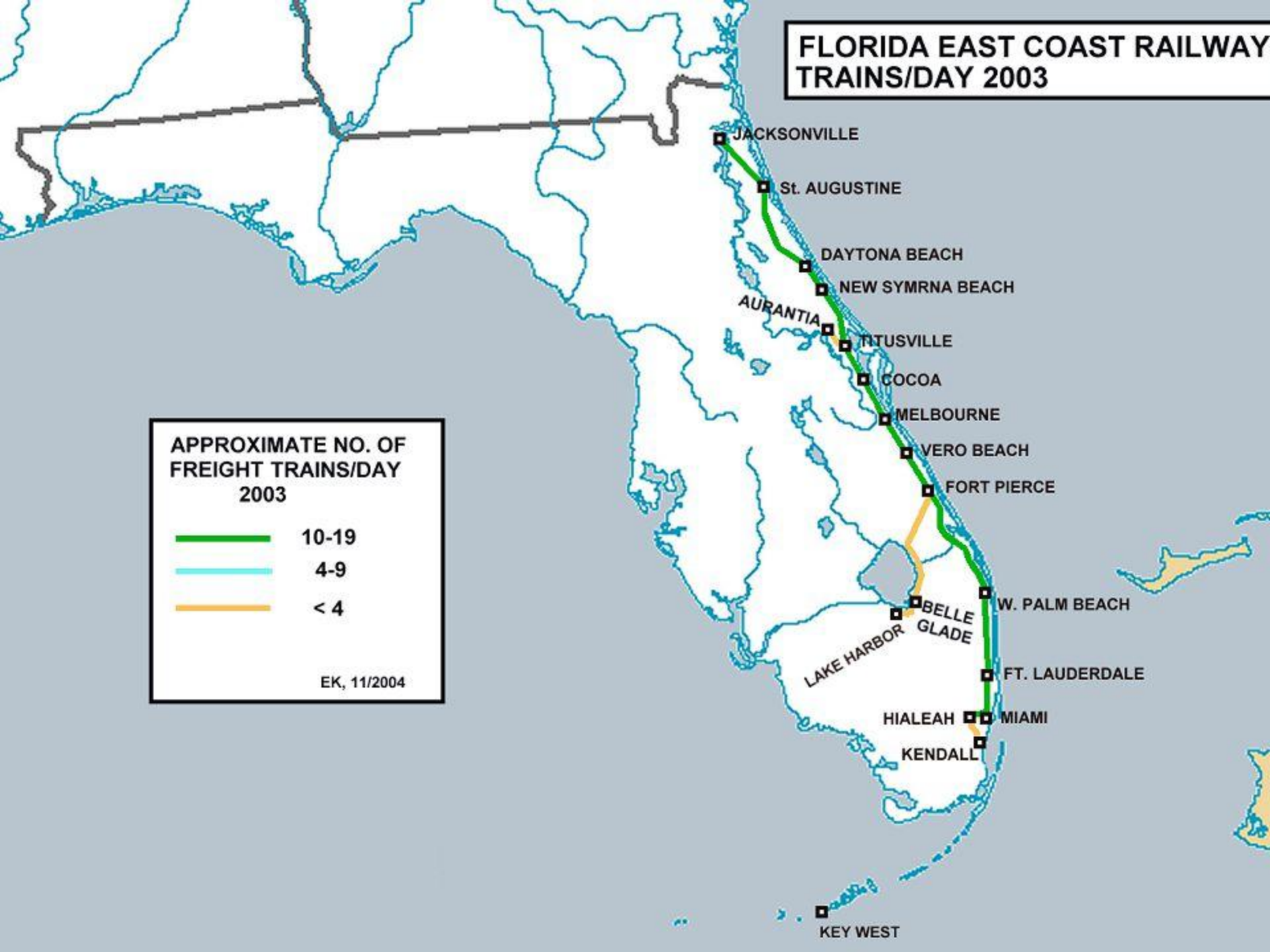
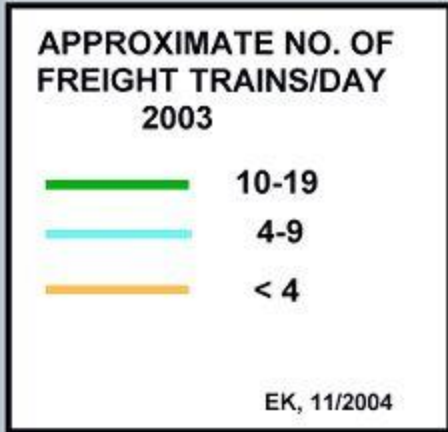


Kansas City Southern



-  The Kansas City Southern Railway Company
-  The Texas Mexican Railway Company
-  TFM, S.A. de C.V.
-  IC&E (marketing agreement)
-  CN (marketing agreement)
-  Texas Pacific (marketing agreement)
-  BNSF (marketing agreement)
-  NS (marketing agreement)
-  The Panama Canal Railway Company
-  TransLoad Centers (TLC)
-  Ports
-  Intermodal Ramp
-  Heritage Rights
-  Taxicage Rights

FLORIDA EAST COAST RAILWAY TRAINS/DAY 2003

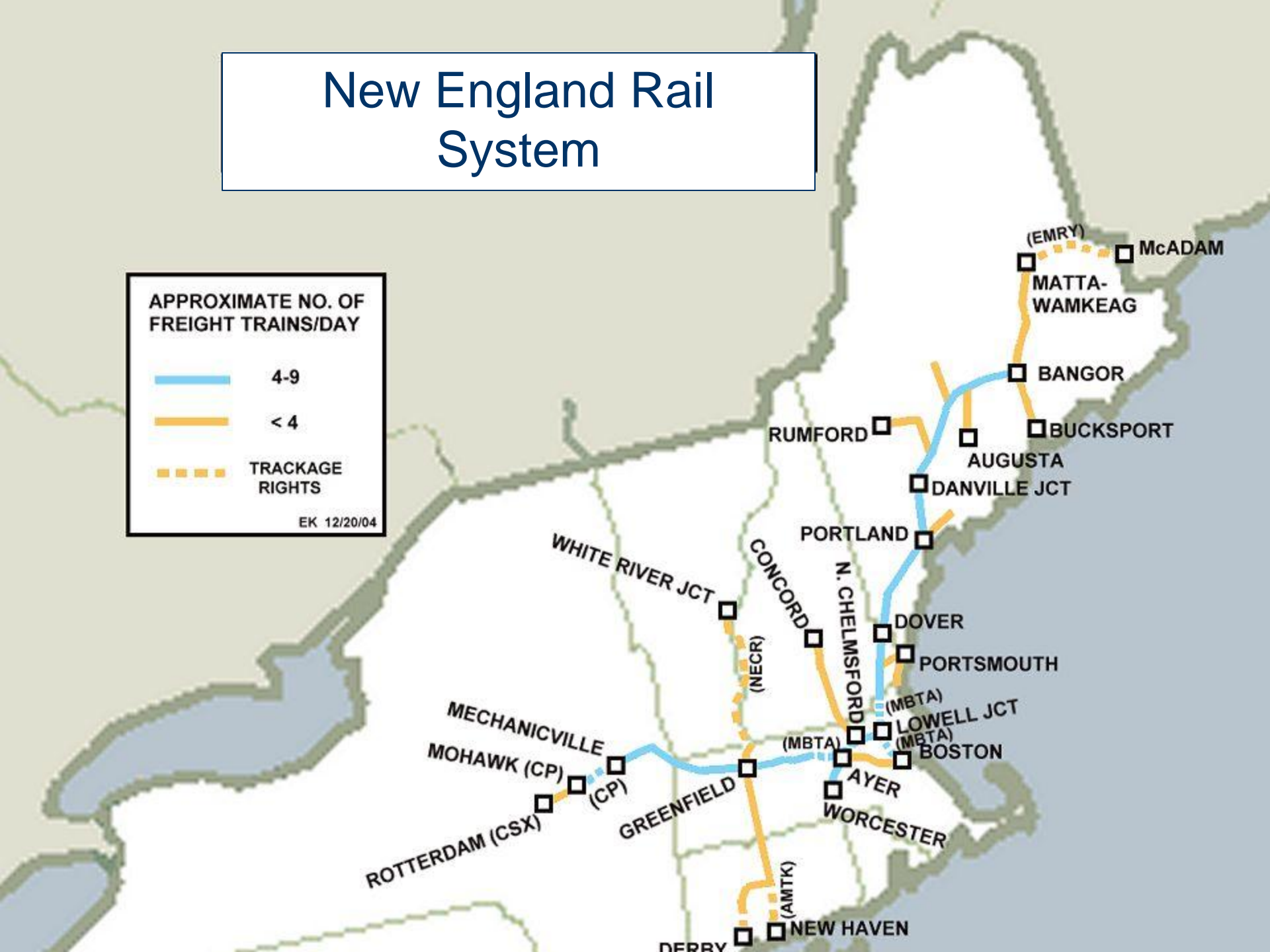


New England Rail System

APPROXIMATE NO. OF FREIGHT TRAINS/DAY

	4-9
	< 4
	TRACKAGE RIGHTS

EK 12/20/04



Primary U.S. Railroads

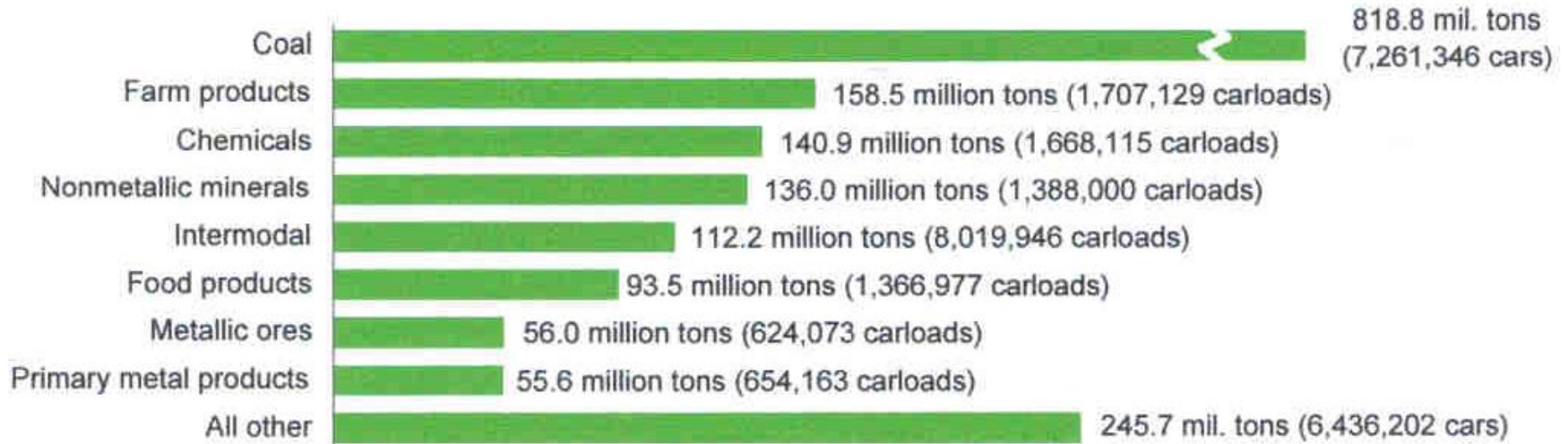
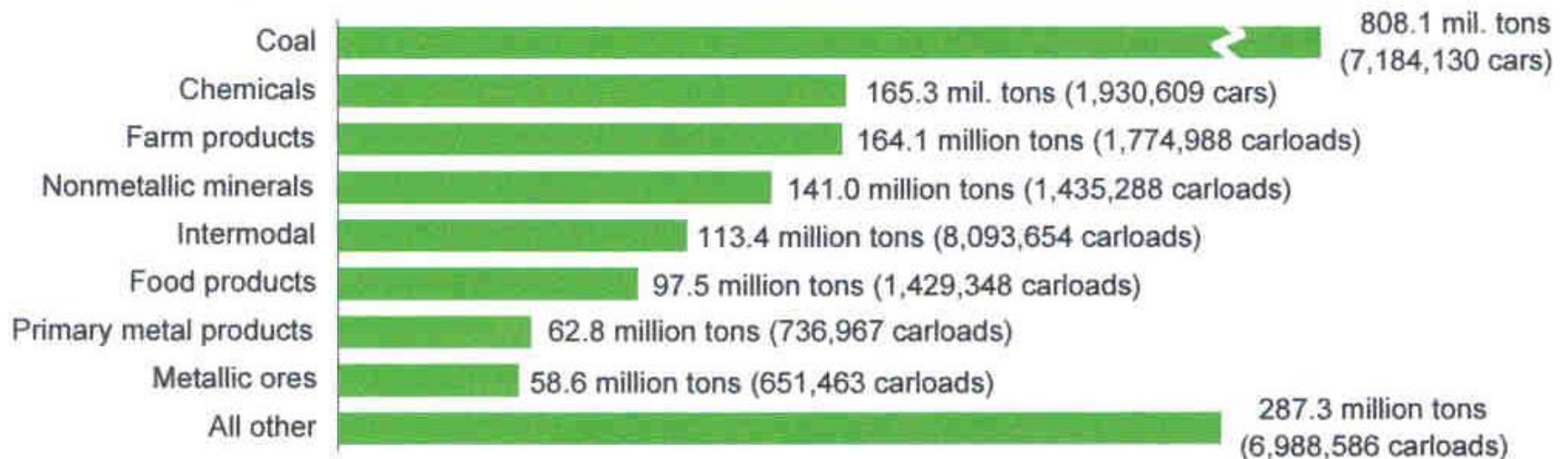
- Regionals
 - Approximately 30
- Short Lines
 - Approximately 500

Freight Railroads in the UNITED STATES

2008

RAIL FAST FACTS

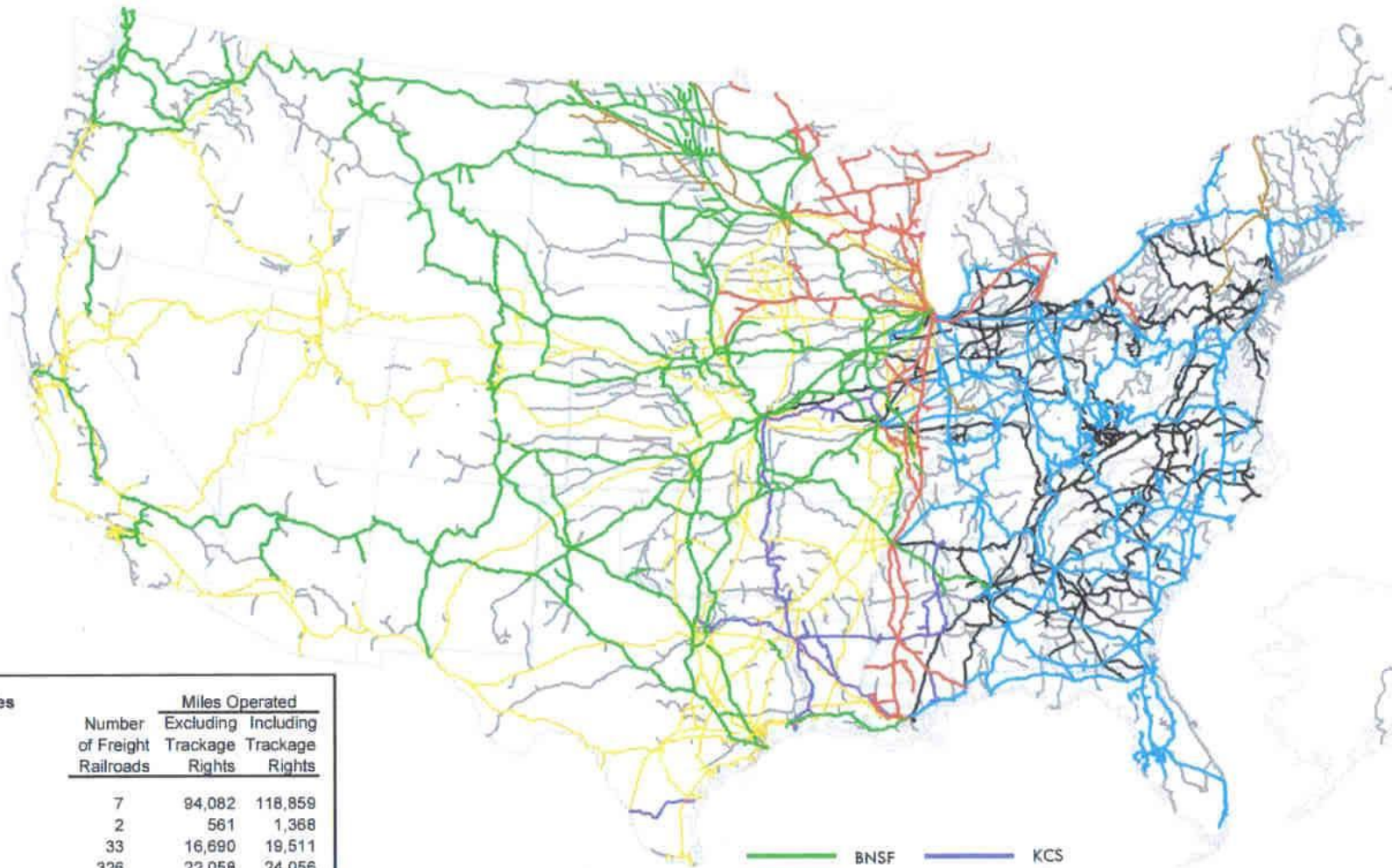
Facilities	Number of freight railroads	567
	Freight railroad mileage	139,887
Employment and Earnings	Number of freight rail employees	183,743
	Average wages & benefits per freight rail employee	\$98,500
Railroad Retirement	Number of railroad retirement beneficiaries	535,182
	Railroad retirement benefits paid	\$9.0 billion
Economic Impact	Nationwide, each freight rail job supports 4.5 jobs elsewhere in the economy. Each \$1 billion in new rail investment creates 20,000 jobs.	
Fuel Efficiency	In 2008, America's railroads moved a ton of freight an average of 457 miles on one gallon of fuel. That's like going from the District of Columbia to Boston. On average, railroads are four times more fuel efficient than trucks. Moving freight by rail instead of truck reduces greenhouse gas emissions by 75 percent.	
Cutting Highway Gridlock	One train can carry the load of 280 or more trucks. That's equivalent to making room on our highways for more than 1,100 cars. Congestion on America's highways already costs \$87 billion in wasted travel time and wasted fuel each year.	

Rail Traffic Originated***Total Tons: 1.817 billion****Total Carloads: 29,125,951****Rail Traffic Terminated*****Total Tons: 1.898 billion****Total Carloads: 30,225,033**

* Rail traffic data on this page come from the STB Waybill Sample and do not match U.S. totals from other sources.

Railroad Network of the UNITED STATES

2008



United States Totals	Number of Freight Railroads	Miles Operated	
		Excluding Trackage Rights	Including Trackage Rights
Class I	7	94,082	118,859
Canadian*	2	561	1,368
Regional	33	16,690	19,511
Local	326	22,058	24,056
Switching & Terminal	199	6,498	6,963
Total	567	139,887	170,757

*Canadian-owned lines not affiliated with a U.S. rail subsidiary.
 **Excludes 743 miles owned by Amtrak. All or some of these miles might be operated by freight railroads under trackage rights.

Map shows rail line ownership based on 2008 National Transportation Atlas Database published by the U.S. DOT's Bureau of Transportation Statistics.

- BNSF
- CN
- CP
- CSX
- KCS
- NS
- UP
- Short Line/Regional

Freight Railroads in KENTUCKY

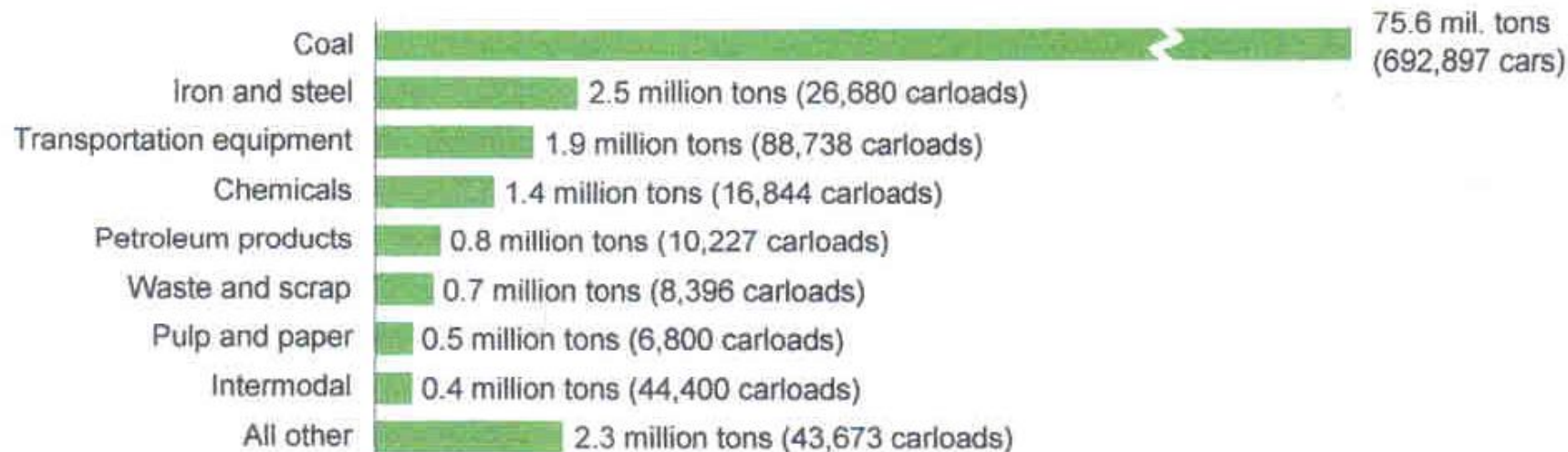
2008

RAIL FAST FACTS

Facilities	Number of freight railroads	13
	Freight railroad mileage	2,558
Employment and Earnings	Number of freight rail employees	4,506
	Average wages & benefits per freight rail employee	\$94,600
Railroad Retirement	Number of railroad retirement beneficiaries	14,416
	Railroad retirement benefits paid	\$241.8 million
Economic Impact	Nationwide, each freight rail job supports 4.5 jobs elsewhere in the economy. Each \$1 billion in new rail investment creates 20,000 jobs.	
Fuel Efficiency	In 2008, America's railroads moved a ton of freight an average of 457 miles on one gallon of fuel. That's like going from Louisville, KY to Atlanta, GA. On average, railroads are four times more fuel efficient than trucks. Moving freight by rail instead of truck reduces greenhouse gas emissions by 75 percent.	
Cutting Highway Gridlock	One train can carry the load of 280 or more trucks. In 2008, 269.4 million tons of freight originated, terminated, or passed through Kentucky by rail. It would have taken approximately 15 million trucks to handle this freight.	

Rail Traffic Originated

Total Tons: 86.1 million Total Carloads: 938,655



Rail Traffic Terminated

Total Tons: 39.2 million Total Carloads: 511,518



Freight Railroads in KENTUCKY

2008

	Miles of Railroad Operated in Kentucky
Class I Railroads	
BNSF Railway Company	99
CSX Transportation	1,644
Grand Trunk Corporation	107
Norfolk Southern Corp.	431
Union Pacific Railroad Co.	12
	<hr/> 2,293
Local Railroads	
Kentucky & Tennessee Railway	2
Kentucky West Tennessee Railway	11
Louisville & Indiana Railroad Co.	2
R. J. Corman Railroad / Bardstown Line	20
R. J. Corman Railroad / Central KY Lines	114
R. J. Corman Railroad / Memphis Line	62
Tennken Railroad	9
	<hr/> 220

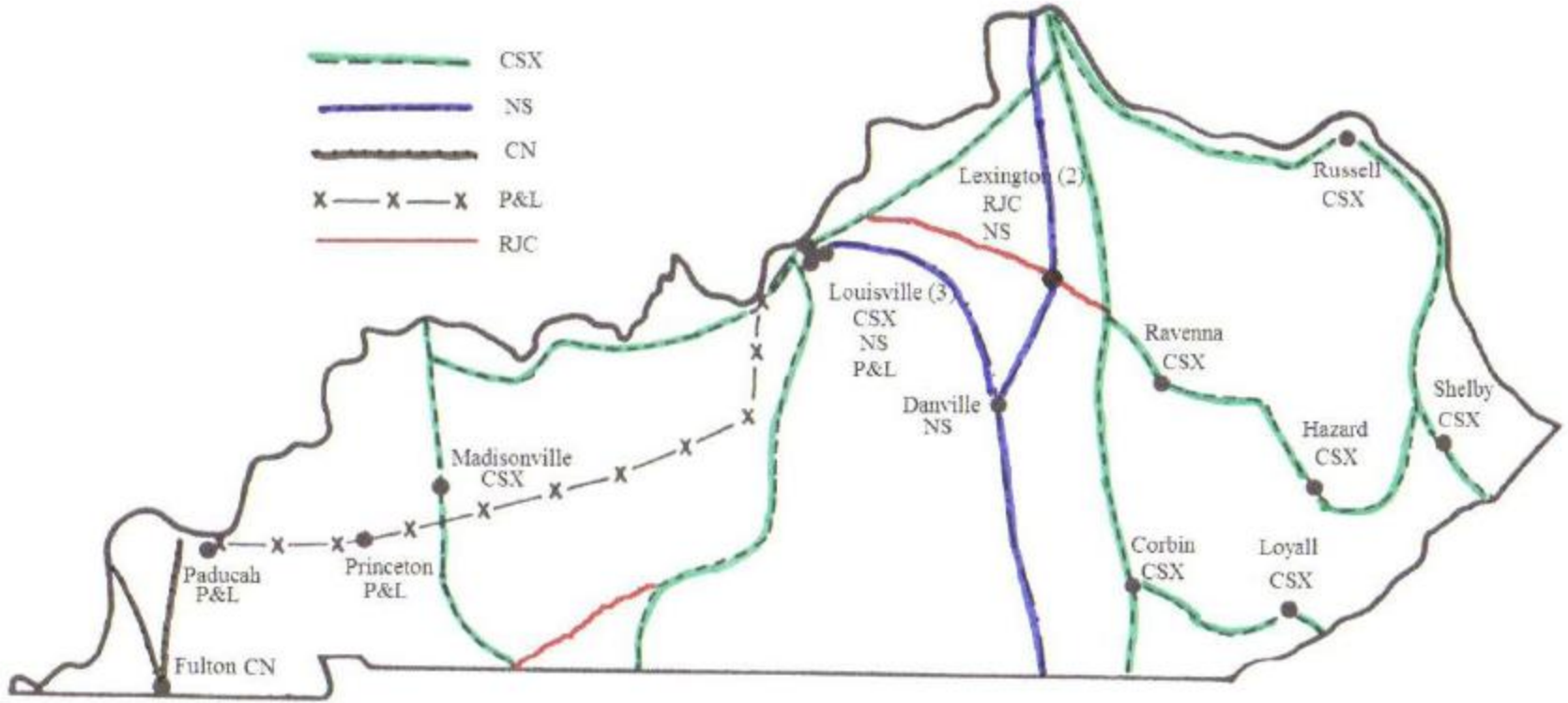
Kentucky Totals	Number of Freight Railroads	Miles Operated	
		Excluding Trackage Rights	Including Trackage Rights
Class I	5	2,068	2,293
Regional	1	270	290
Local	7	220	220
Switching & Terminal	0	0	0
Total	<hr/> 13	<hr/> 2,558	<hr/> 2,803

	Miles of Railroad Operated in Kentucky
Regional Railroads	
Paducah & Louisville Railway	<hr/> 290
	290
Switching & Terminal Railroads	
(none)	



Map shows rail line ownership based on 2008 National Transportation Atlas Database published by the U.S. DOT's Bureau of Transportation Statistics.

Class I Railroad – A railroad with 2008 operating revenues of at least \$401.4 million. **Regional Railroad** – A non-Class I line-haul railroad operating 350 or more miles of road and/or with revenues of at least \$40 million. **Local Railroad** – A railroad which is neither a Class I nor a Regional Railroad and is engaged primarily in line-haul service. **Switching & Terminal Railroad** – A non-Class I railroad engaged primarily in switching and/or terminal services for other railroads. Railroads operating are as of December 31, 2008. Some mileage figures may be estimated.



LEXINGTON

