

FREIGHT





IMPACTS



REGIONAL SOCIOECONOMICS

The three-county Berkeleycomprised about 18% of South Carolina's economy.

SC BCD

Photo credit: SC Ports Authority

Volume and Direction

TRANSEARCH data indicated 113 million tons of freight traversed the Berkeley-Charleston-Dorchester region. Most of this volume was moved by truck (79%), including air freight intermodal transfers (0.02%). The USACE Waterborne Commerce Statistics reported that 22% (23 million tons) was funneled through the Port of Charleston.



Truck



Rail



73% Moved through the region

Including 23m (20%) tons via the Port of Charleston transferred to truck or rail.

Rail - Originated/Terminated

Originated and/or Terminated in the region





Economic Impacts

In 2018, freight impacts reflected complex supply chain relationships spanning local, domestic, and international movements. To quantify the economic impact, regional freight data were used with economic data. The direct, indirect, and induced impact of freight affected all sectors.



Accommodated 179,300 jobs



warehousing, etc.

monetary impacts.

The bottom line is that all sectors

the magnitude of job and other

relied on freight movement to deliver goods and services. Such reliance was borne out by

Earned \$9.5 billion in income



gross regional product (GRP) Sold \$36 billion worth

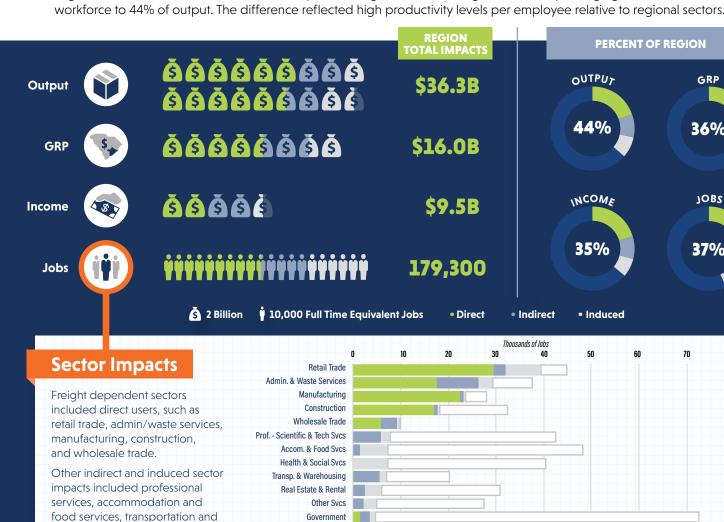
Produced \$16 billion in



of goods and services

Direct impacts averaged 58% of the total. Other multiplier impacts associated with indirect suppliers and induced re-spending accounted for 23% and 19% of the impacts, respectively.

Together the direct, indirect, and induced impacts averaged 38% of the region's economy – ranging from 37% of the workforce to 44% of output. The difference reflected high productivity levels per employee relative to regional sectors.



Finance & Insurance

Mgmt. of Companies

Educational Sycs

Utilities

DIRECT

INDIRECT

INDUCED

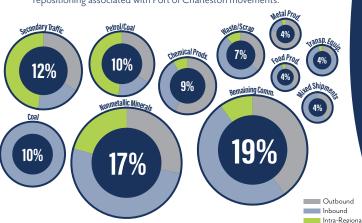
REMAINING

Ag, Forestry, Fish & Hunting

Commodities Originated/Terminated in Region



Bulk commodities dominated tonnage movements, especially inbound coal and nonmetallic minerals. Such traffic reflected low-values per ton (\$25/ ton). More valuable secondary traffic (\$3,300/ton) reflected warehouse repositioning associated with Port of Charleston movements

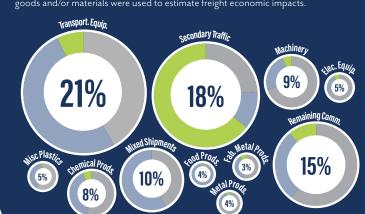




Rail Through

Rail-Water Through

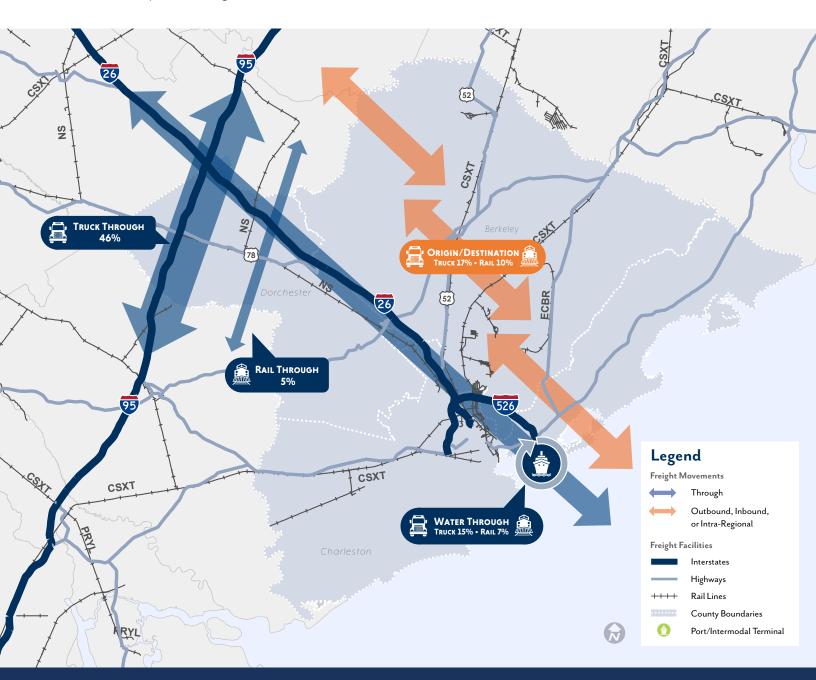
Leading commodities by value included transportation equipment, machinery, and electrical equipment – with high-values per ton (average \$11,200/ton). The values associated with the production and consumption of locally produced goods and/or materials were used to estimate freight economic impacts.



Recap

The economic impacts associated with Berkeley-Charleston-Dorchester region's freight system users represented 35%-44% of the area economy, depending on metric (i.e., jobs, income, GRP, output). Yet, the freight that originated and/or terminated in the region only comprised 27% of total freight tons traversing the region.

The other 73% of tonnage passed through the region, but originated and terminated throughout the state, the Southeast, and nation. Such through-freight moved via the Port of Charleston, the two major Class-I railroads, and the interstate highway system. As such, the economic benefits and impacts associated with the freight system extended far beyond the region.



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