



*ETHANOL* delivering.

*Building for the Future*



- 
- **CSX – Quick Overview**
  - **Ethanol Supply & Demand**
  - **The CSX Ethanol Link**



- Serves all major markets in the eastern United States.
- Covers 23,400 route miles in 23 states, the District of Columbia, and two Canadian Provinces
- Operates a fleet of over 4,000 locomotives and 100,000 freight cars
- Employs 34,000 dedicated individuals





*North America's leading multi-modal transloading, materials management and distribution services company*

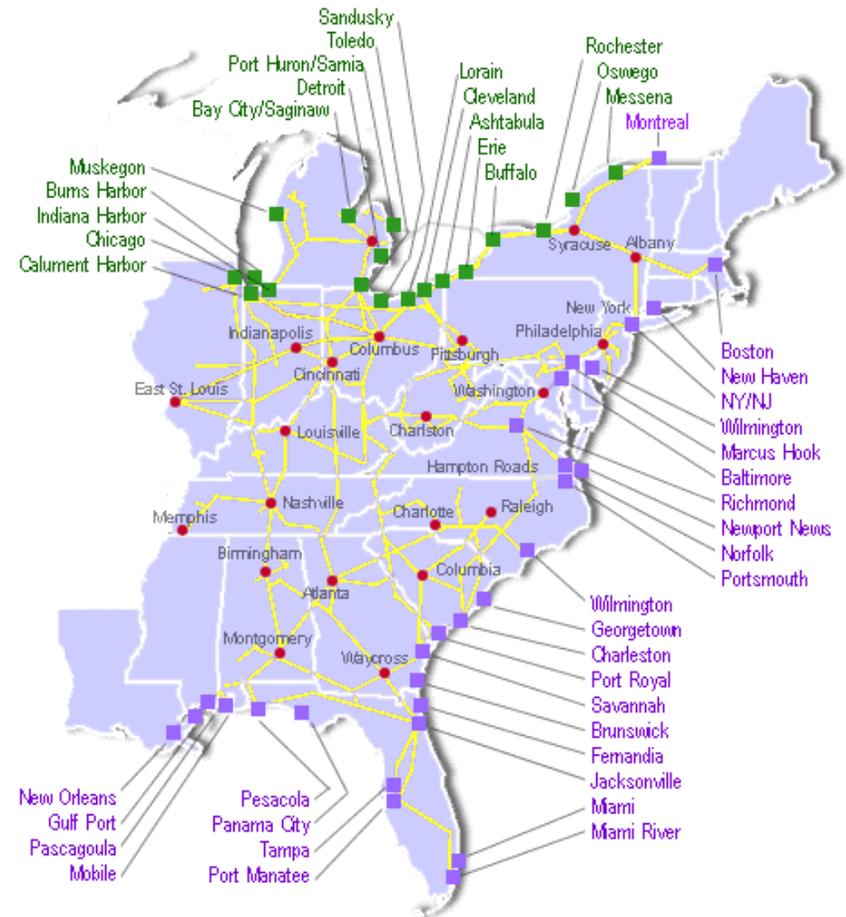
- More than 80 core terminals handling more than 700 products
- Specializing in product transfer from rail to truck or rail to container/cargo
- A facility within 50 miles of every major metropolitan area east of the Mississippi



# CSX International Services

- Access to over 70 ports.
- CSX de Mexico – a commercial office in Mexico
- A strategic partner in integrated global logistics

*Ports served by CSX:*

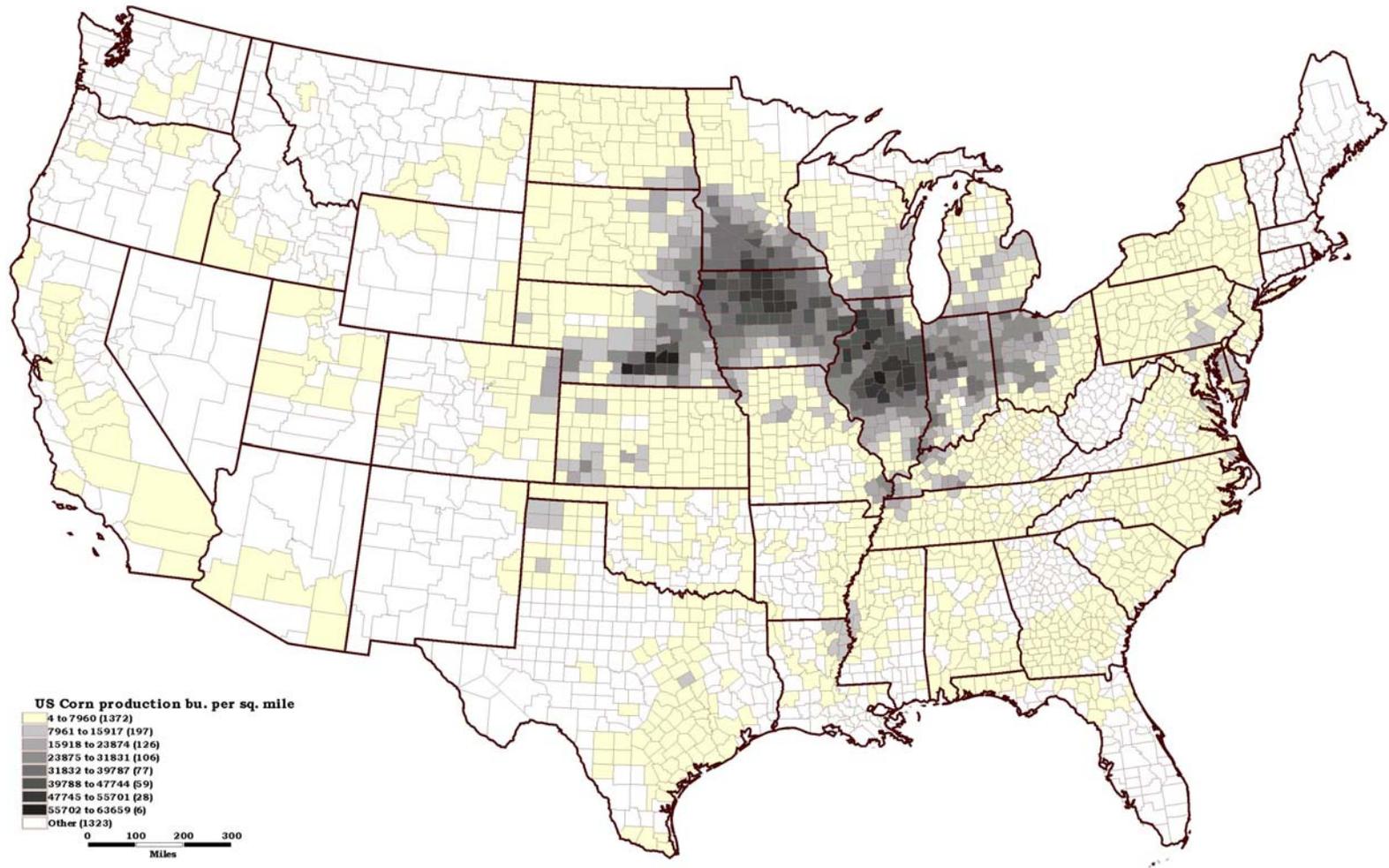




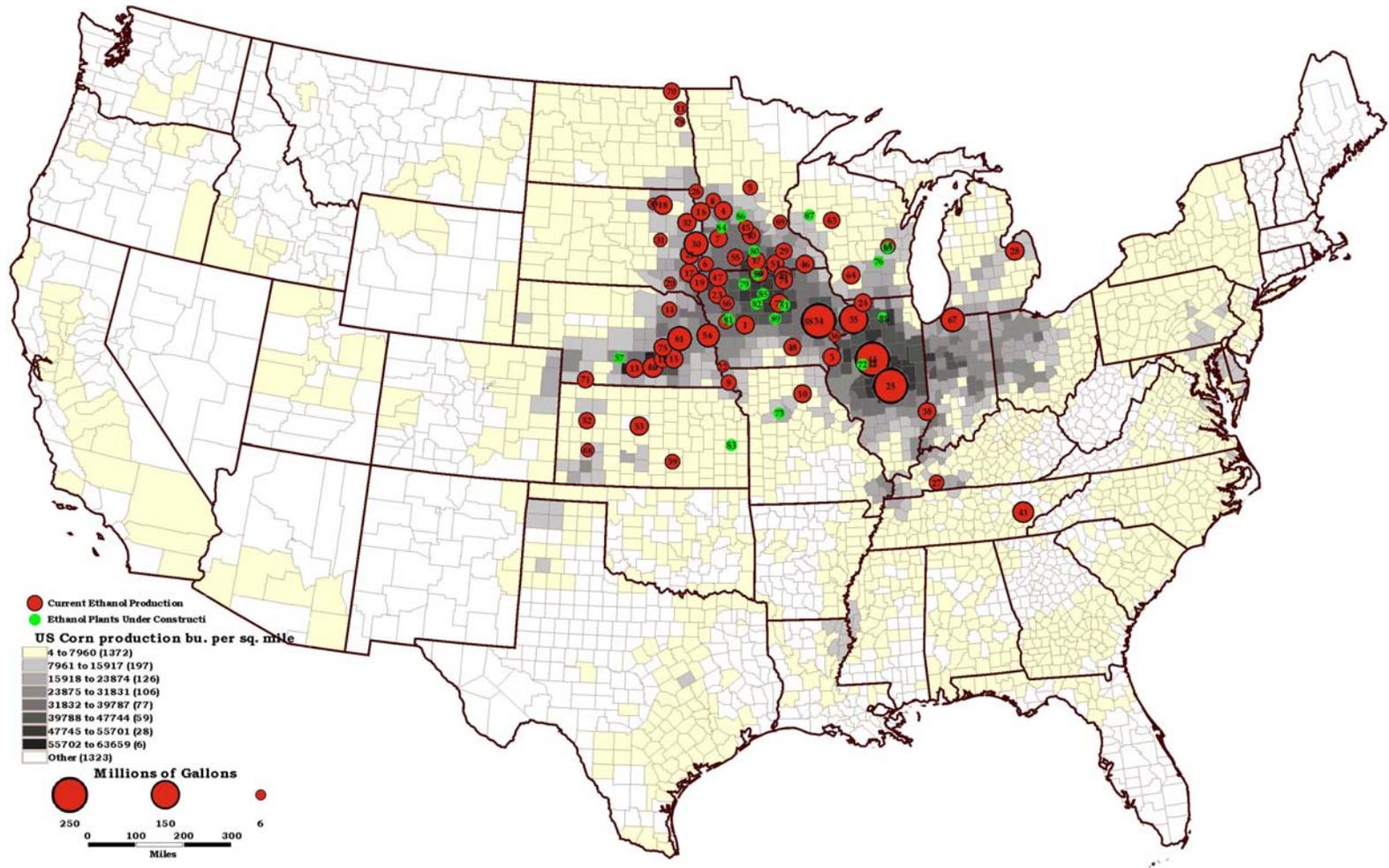
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- **Ethanol Supply & Demand**

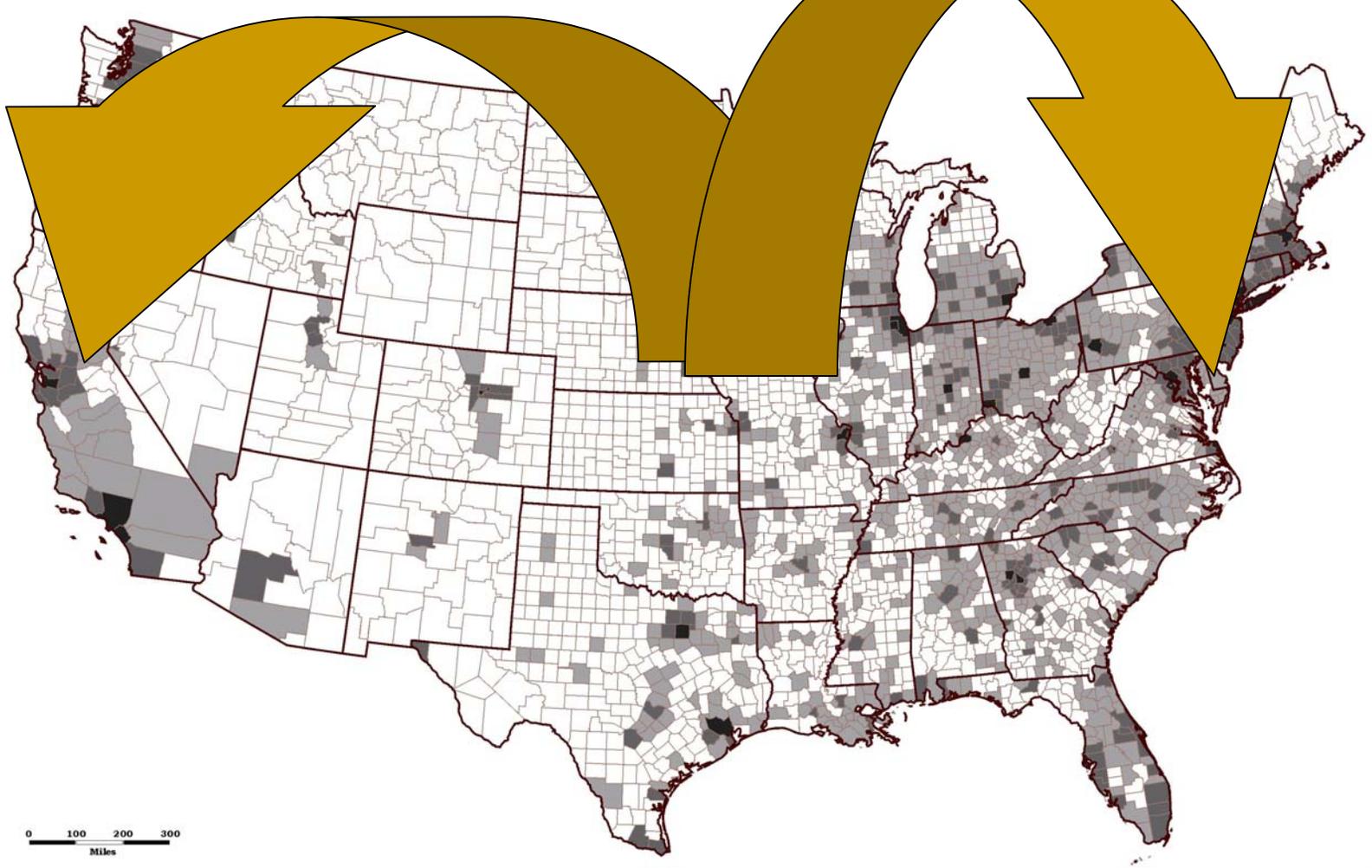
*US ethanol production has followed a logical evolution, developing in the highest density of corn production.*



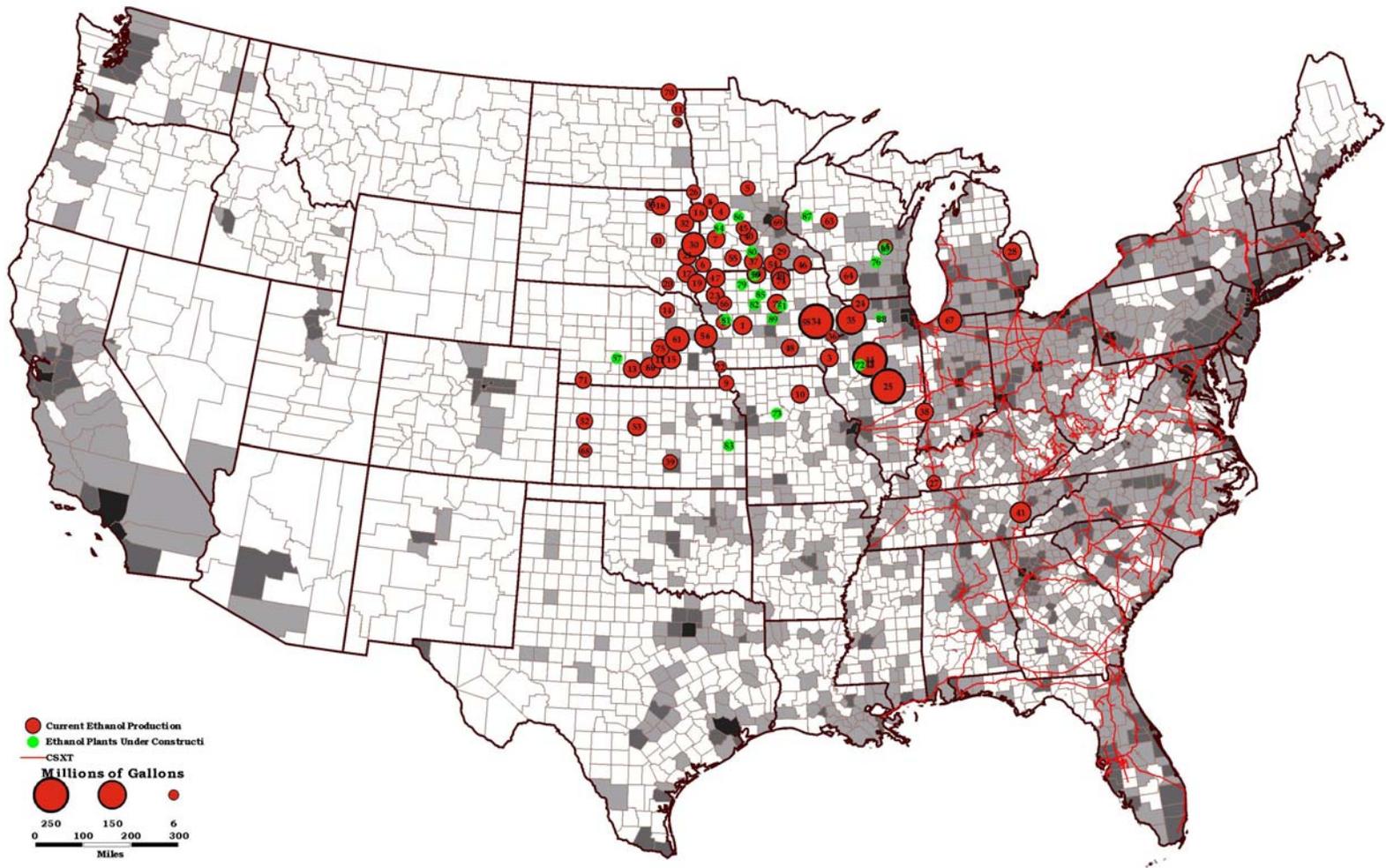
*Newest production expansion seem to have targeted the Northern IA and high density corn counties.*



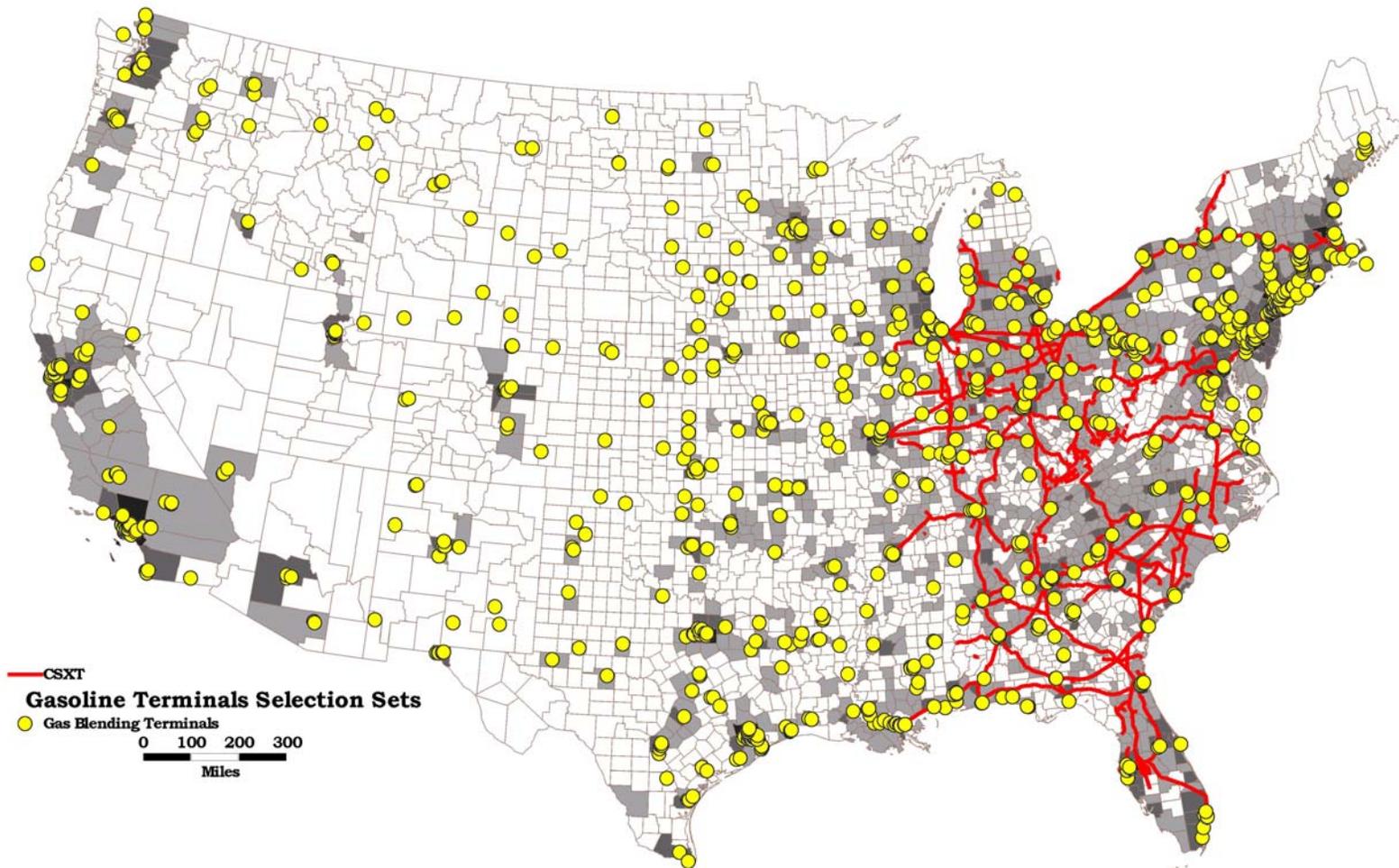
*New demand for ethanol will be well east of the corn based production areas.*



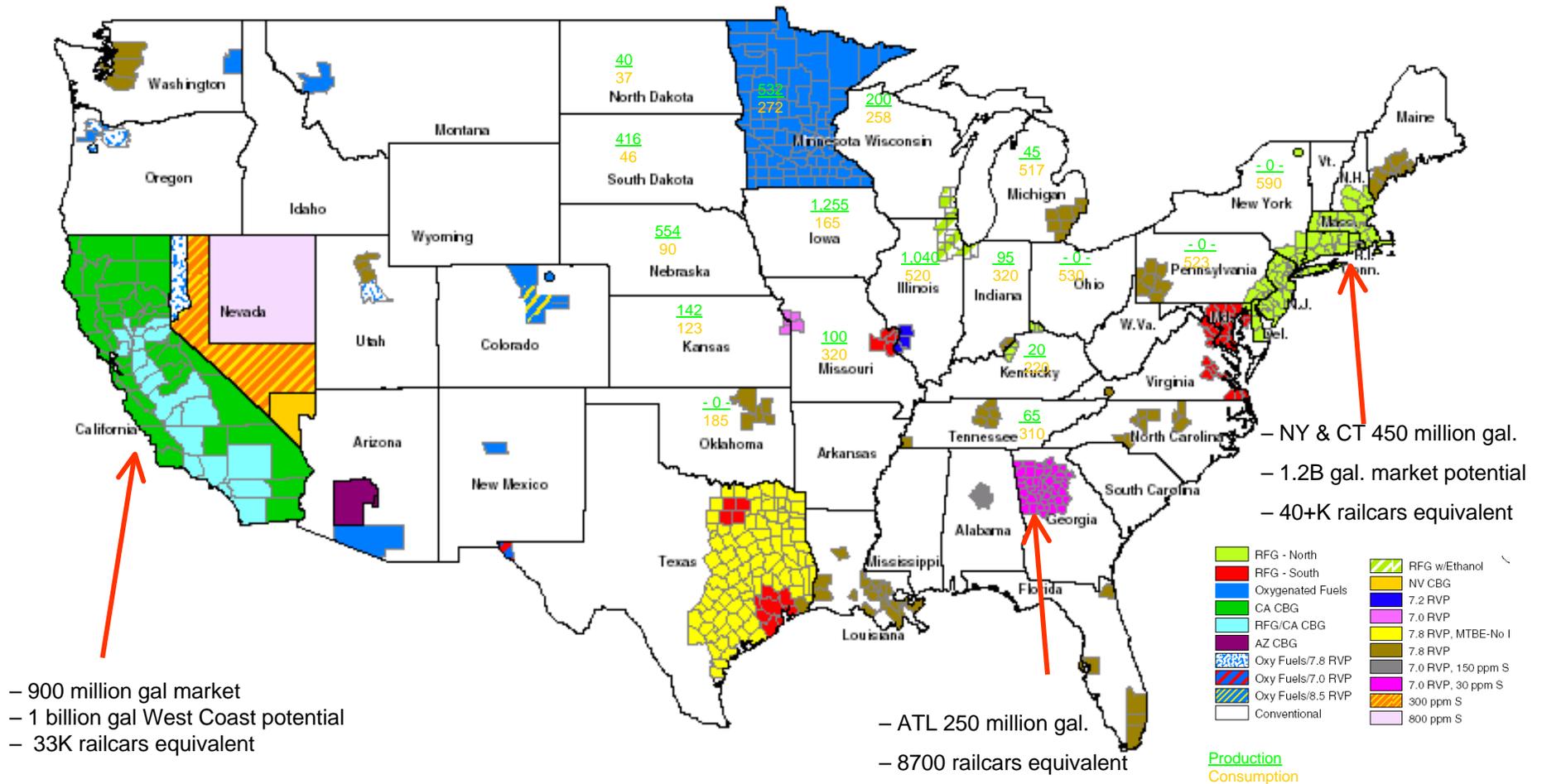
*CSX's rail property is strategically positioned to reach the densely populated eastern ethanol markets.*



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*The California market converted to ethanol in 2003, last year NY and CT switched. The East Coast markets are candidates to convert with significant volume.*





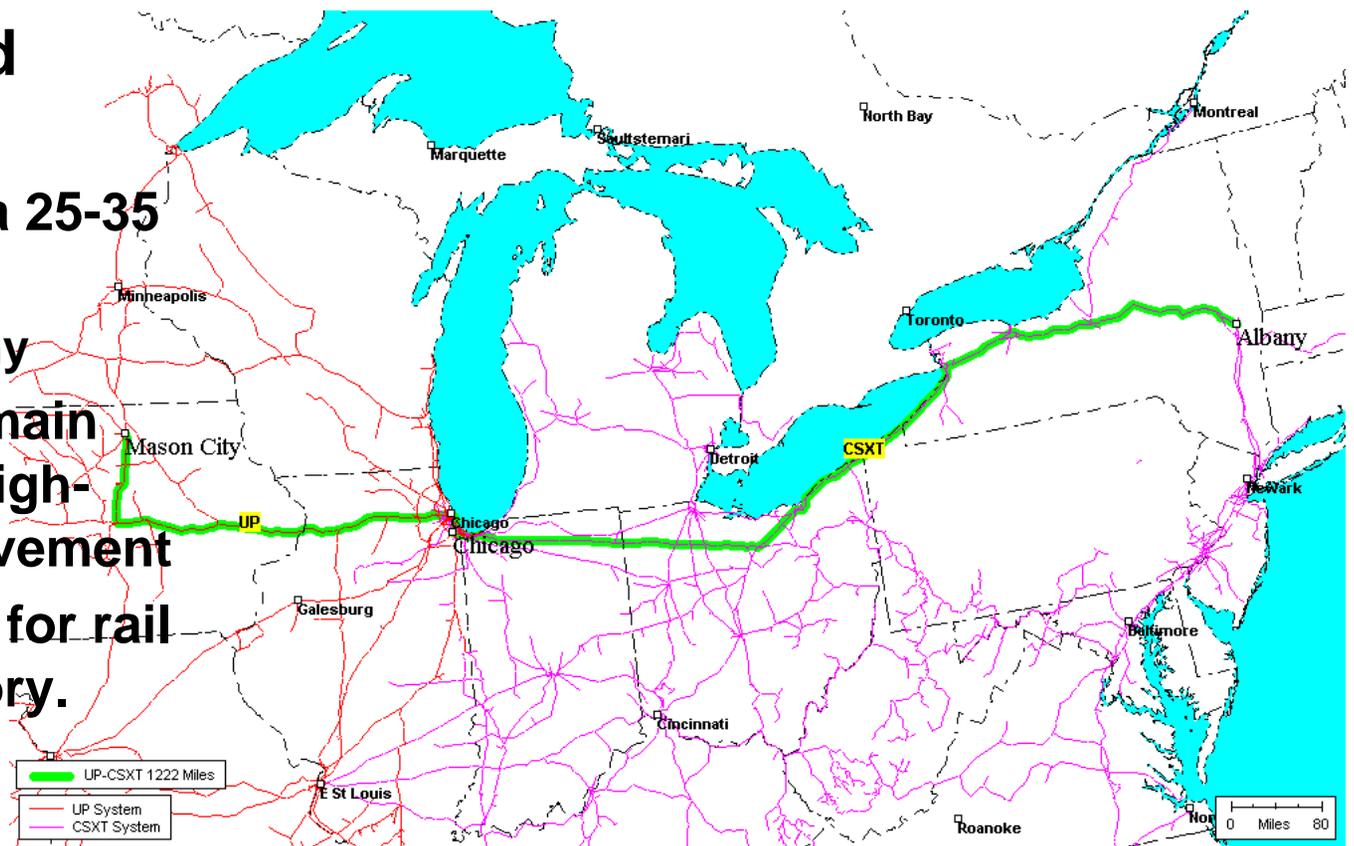
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- **The CSX Ethanol Link**



# CSXT's rail service from Chicago is under 48 hours to Selkirk /Up-State, NY

## CSXT's eastbound service

- Train Schedule is a 25-35 hour run
  - ✓ Chicago to Albany
- Double and triple main offer continuous high-speed/velocity movement
- Result: Fast turns for rail assets and inventory.





*The Albany Super Hub will utilize the existing unit train ready terminal and offering a packaged service from the Ethanol plant to the gasoline terminal via rail to truck or barge.*

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- **Albany, NY ethanol terminal (Super HUB)**
    - **Infrastructure**
      - Unit train receiving yard; high speed discharge (train in approx 13 hours)
      - 314K bbls storage (approx 7 Unit Trains)
      - 500K bbls storage planned (approx 11 Unit Trains)
      - 750 foot private berth, 32 foot draft
      - High speed load-out: truck (20 min) barge (5000 barrels/hr);
      - On site laboratory for quality assurance sampling and analysis

# CSXT Albany Super-Hub terminal detail

## Ethanol unit train yard

- 65-90 car yard capacity
- 65 cars discharge simultaneous to 12" manifold to 24" pipeline
- Unload 65 cars in 13 hours

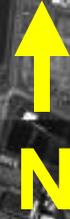
24" Pipeline  
2600ft in length

Ethanol tank-farm

CSXT Main

Hudson River

- 750ft dock
- Discharge 5000 bbl/hr
- 32 foot draft



# CSXT Albany Super-Hub tank-farm and dock detail

24" Pipeline  
2600ft in length

- Ethanol storage**
- #34 – 60K bbls. - ready
  - #37 – 78K bbls. - ready
  - #32 – 176K bbls. - future
  - #31 – 176K bbls. - future

CSXT Main

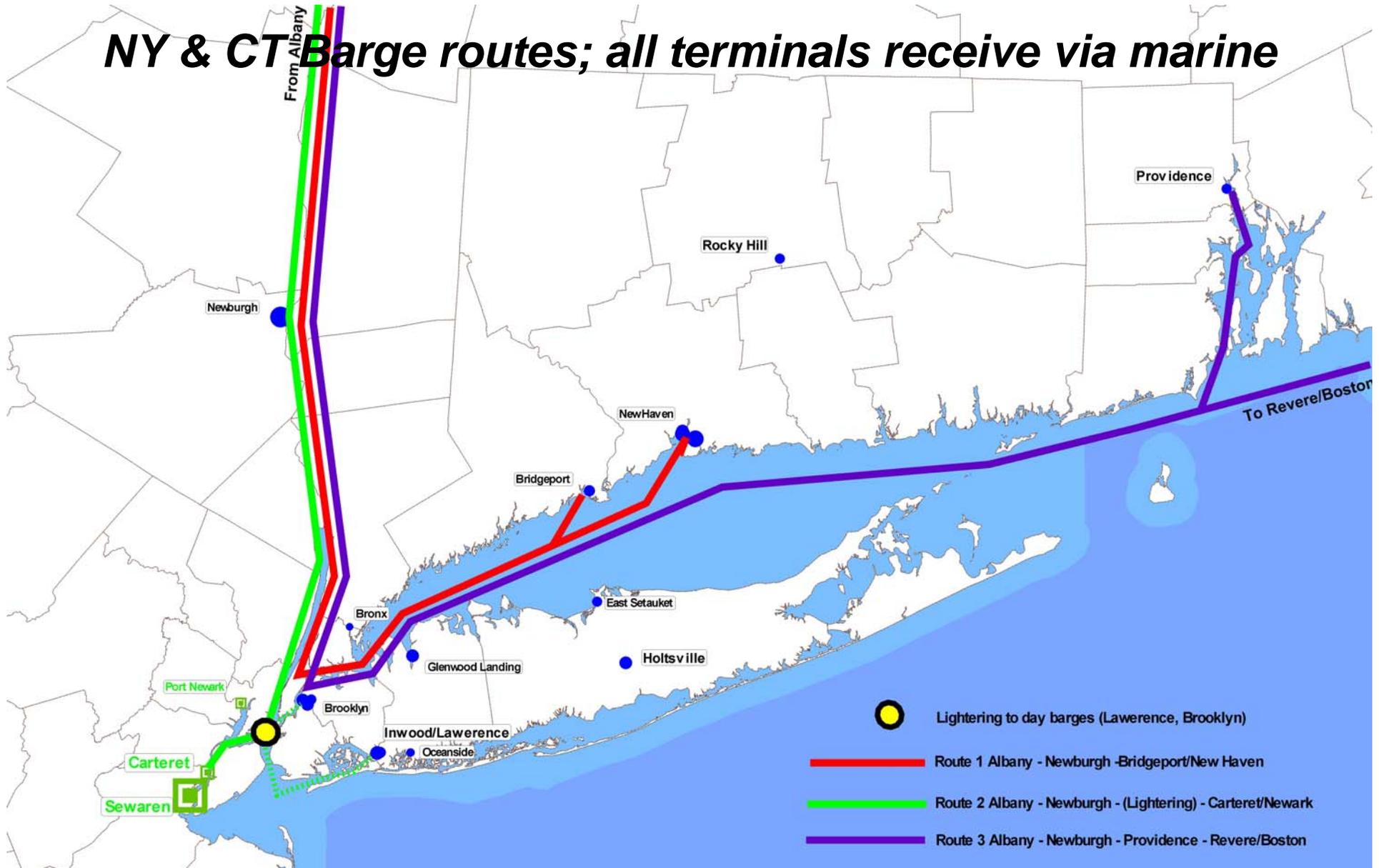
2 truck bays

16" line to dock

- 750ft dock
- Discharge 5000 bbls/hr
- 31 foot draft

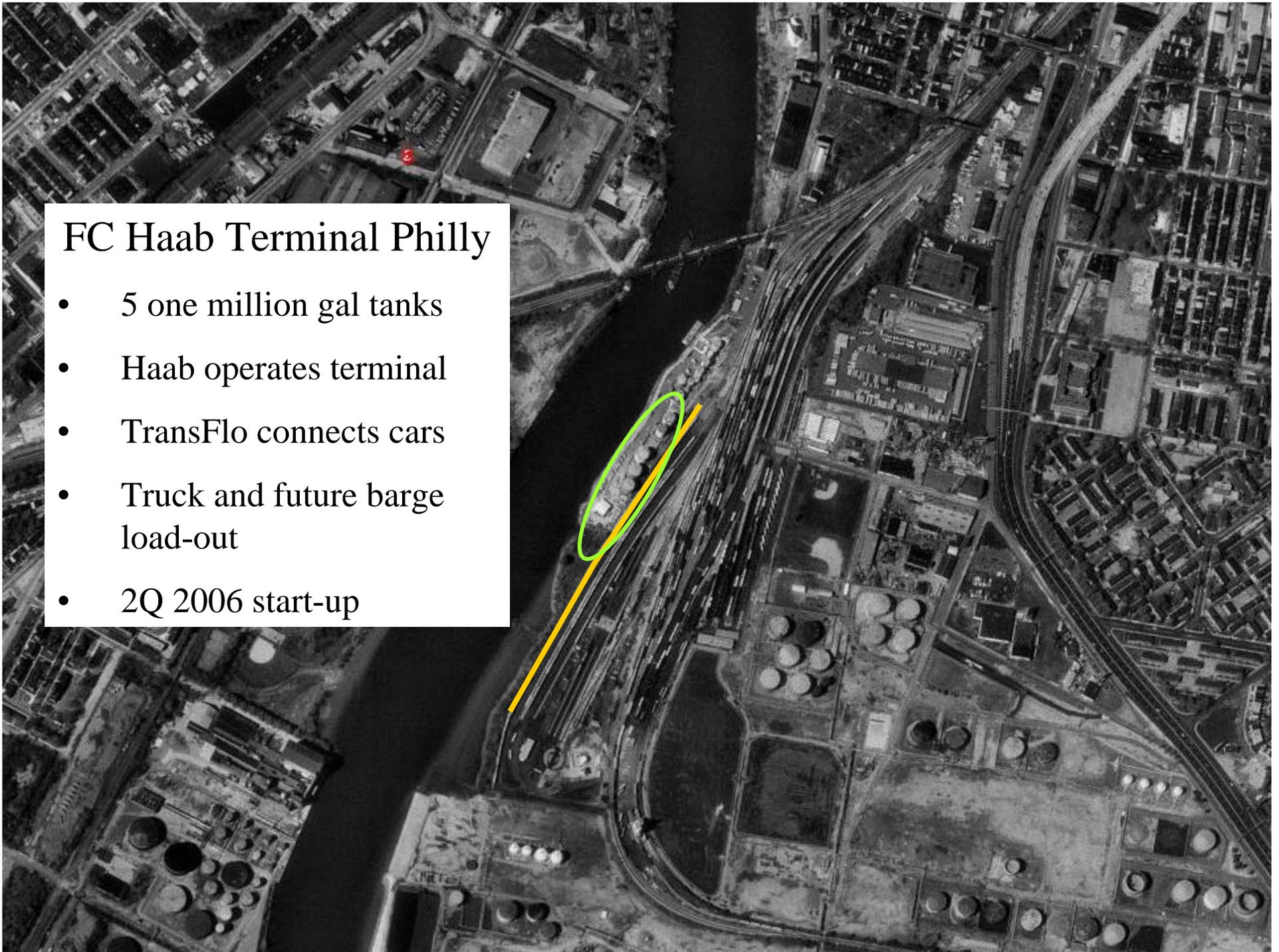
Hudson River

# NY & CT Barge routes; all terminals receive via marine



## FC Haab Terminal Philly

- 5 one million gal tanks
- Haab operates terminal
- TransFlo connects cars
- Truck and future barge load-out
- 2Q 2006 start-up





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