



Barge Overview

Sector Upper Mississippi River



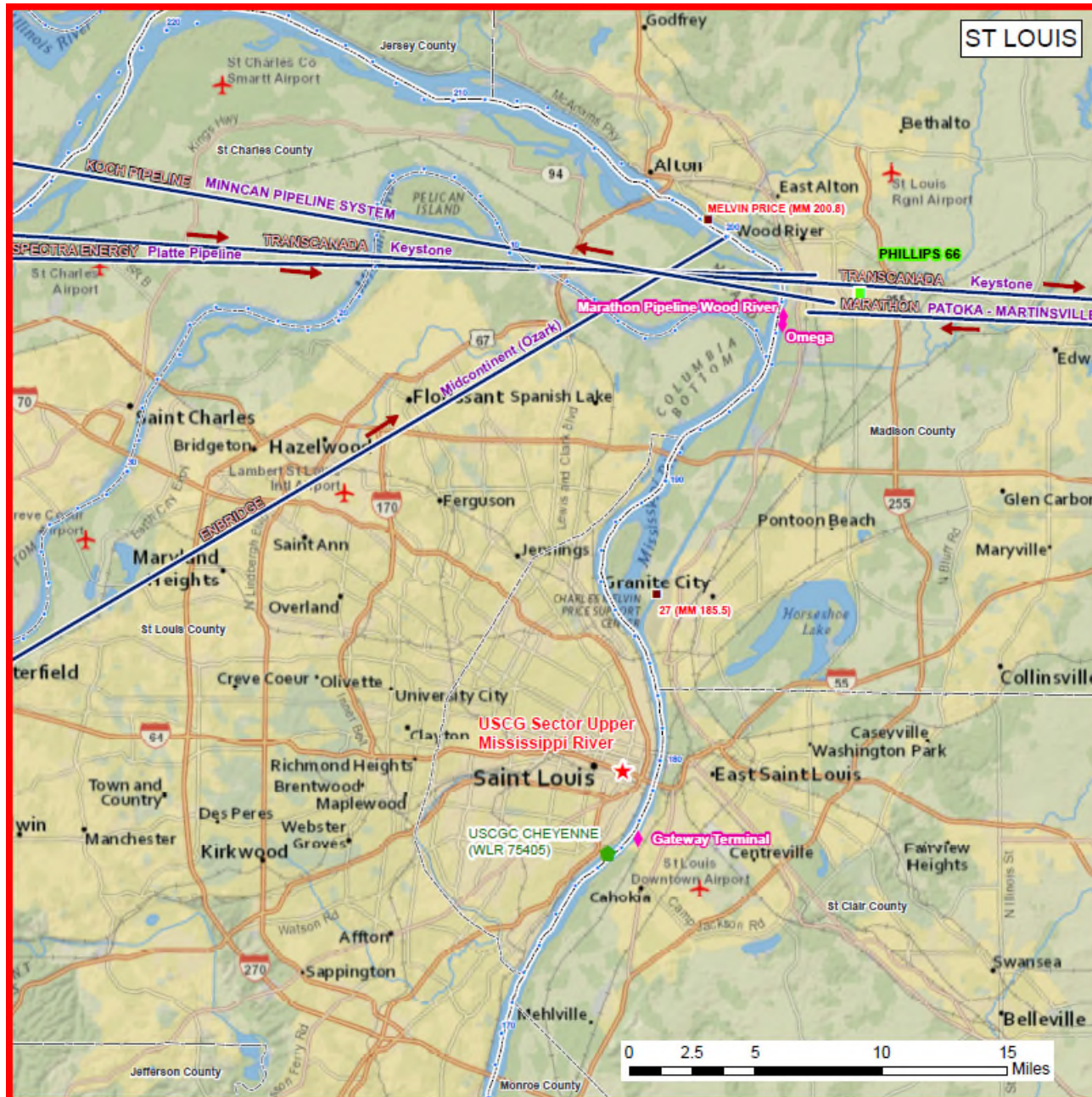
Topics



- Overview
- Shipping Routes
 - American Waterway Highway
 - Trends (traffic, incidents, spills)
 - Loading and Unloading
- Vessel Types and Capacities
- Planning and Response Considerations



Shipping Routes





Barge Traffic Trends

All Petroleum Products Loaded to Barges
in St. Louis Area

2013 Barges	2014 Barges	2015 Projected
1591	1750	1313

New Source Crude Oil Break Down

2013 Barges	2014 Barges	2015 Projected
58	150	194

*Figures Shown by Amount of 30,000 Barrel Barges



Vessel Types and Capacities



Tank Barges

- Designed in accordance with Coast Guard Regulations found in Code of Federal Regulations (CFR) Part 46
- All tank barges carrying oil as a primary cargo are double hulled
- Required to have Vessel Response Plans in accordance with 33 CFR 155.1040 and 46 CFR 91.25-38
- Barges are inspected at regular intervals by the Coast Guard, including in-service and out of the water inspections
- The most common tank barges carry approximately 30,000 barrels of product



Planning & Response Considerations



- Overview of the growth in the St. Louis Area
- The “New” face of Crude
- Shipping Routes and Vessel Types