

About Us

- Established 1970 in St. Louis, MO
- Primary business is grain origination, transportation, and logistics
- Privately held by global companies
- 2,500 employees
- Array of services for grain farmers and beyond including everything from financing and risk management, to buying, storing, selling and shipping of crops and more













Our Structure





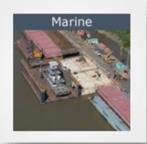




























Ownership

ZEN-NOH

- One of the world's largest cooperative organizations
- Owned by millions of Japanese farmers



ITOCHU

- Japanese trading company
- Over 150 year history
- Publicly traded corporation













Grain Division

- Originate and market grain and oilseeds for the export and domestic channels.
- Over 100 facilities 38 river terminals, and 12 shuttle sites.
- 200 million bushels of grain storage
- Providing innovative, customized solutions for producers
- We differentiate through our commitment to service which provides value to our customers.
- Employees dedicated to exceeding customer expectations













Consolidated Terminals and Logistics Co.

- Transportation and handling services for bulk and break bulk commodities using both CGB assets and outside vendors
- Transportation via Ocean, Barge, Truck, Rail
- Handling via Stevedoring, Terminaling, Warehousing, Heavy lift cargo
- Largest independent buyer of barge freight
- Operating, sales and marketing agreement with Cooper/T. Smith Stevedoring
 - » Cooper/Consolidated, the joint operating, sales, and marketing division of Cooper T. Smith Stevedoring Co, Inc. and CTLC, is the largest operating asset-backed stevedoring and logistics company in the Port of New Orleans / lower Mississippi River

















ZGC - Convent, LA











Inland Marine Transportation System











Economic Importance

- Mississippi River barge port system represents
 500 Million tons of shipped goods per year
- 60% of all grain exported from the U.S. is shipped on the MS River through the Port of New Orleans and Port of South Louisiana
- Safest and most efficient mode of surface transportation



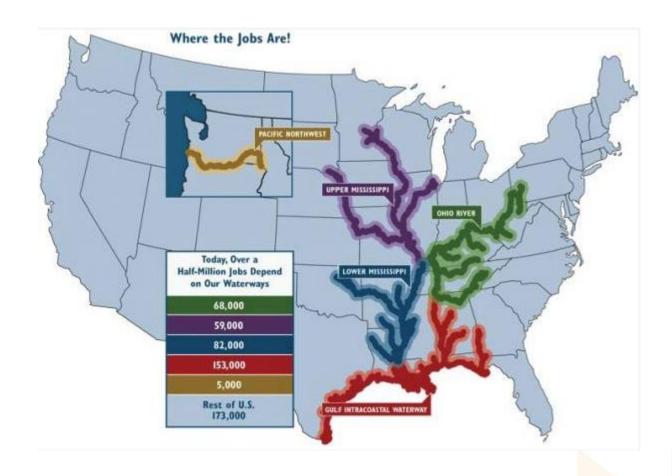








Economic Importance











Economic Importance to Ohio

ESSENTIAL COMMODITIES ARE SHIPPED TO AND FROM OHIO THROUGH WATERWAYS AND PORTS:



of manufactured goods including computers and electronic products, appliances, machinery, electrical equipment and clothing



\$11.5 Billion

of basic chemicals used in hundreds of consumer products from appliances to toys, from soap to cosmetics



\$7.6 Billion

of non-metallic minerals including construction materials and coal used to power our homes, businesses and factories

COMMODITIES TRAVEL TO AND FROM OHIO ON MANY VITAL TRANSPORTATION LINKS, INCLUDING:



WATERWAYS:

Ohio River, Mississippi River, Great Lakes, Tennessee River



PORTS:

Port of New Orleans, Port of Los Angeles, Port of Tampa, Port of New York/New Jersey

WATERWAYS AND PORTS CONTRIBUTE DIRECTLY TO OHIO'S ECONOMY:

Total Revenue Impact:

\$3.1 Billion

Direct Business Revenue:

\$1.3 Billion

[⁺] \$1.4 _B

Personal Income:

Local Purchases:

\$471 Million

TOGETHER, WATERWAYS AND PORTS SUPPORT

21,000 Ohio Jobs

Sources: Waterways Council, Inc.











Logistical Challenges 2019

Peoria Lake (IR 170)



Lock 18 (UM 410)



JT Myers Lock (OR 846)



Lock 20 (UM 343)













Flood of 2019

- Notable 2019 River closures
 - Ohio River Flooding closed 2/21/2019 to 3/9/2019
 - Mid Miss Flooding closed 3/16/2019 to 5/16/2019
 - Periodic openings
 - St. Louis Harbor closed 5/24/2019 to 6/25/2019





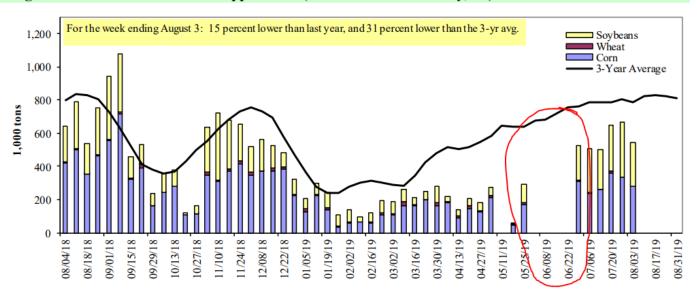






St. Louis Harbor Closure

Barge Movements on the Mississippi River¹ (Locks 27 - Granite City, IL)



¹ The 3-year average is a 4-week moving average.

Source: U.S. Army Corps of Engineers











Flood of 2019

STL Historic Crests

- (1) 49.58 ft on 08/01/1993
- (2) 45.93 ft on 06/08/2019 (P)
- (3) 43.23 ft on 04/28/1973
- (4) 42.52 ft on 01/01/2016
- (5) 42.00 ft on 04/01/1785
- (6) 41.89 ft on 05/22/1995
- (7) 41.70 ft on 05/06/2017
- (8) 41.32 ft on 06/27/1844
- (9) 40.52 ft on 06/04/2013
- (10) 40.30 ft on 07/02/1947

Smithland Lock & Dam (OR 919) - Historic Crests

- (1) 54.89 ft on 05/06/2011
- (2) 51.83 ft on 02/25/2019
- (3) 51.44 ft on 03/12/1997
- (4) 50.14 ft on 03/02/2018
- (5) 49.80 ft on 01/08/1991

Lock 20 (UM 343)-Historic Crests

- (1) 27.88 ft on 07/09/1993
- (2) 27.73 ft on 06/18/2008
- (3) 27.11 ft on 06/02/2019
- (4) 24.50 ft on 04/24/1973
- (5) 23.43 ft on 07/07/2014
- (6) 23.20 ft on 05/15/2001
- (7) 23.19 ft on 04/21/2013
- (8) 21.42 ft on 05/01/1965
- (9) 21.21 ft on 10/12/2018
- (10) 20.92 ft on 10/04/1986













Impacts of Spring Floods

- Barge lines still playing catch-up
 - Filling current contracts and working backwards to fill old obligations
- Southbound barge values remain firm

Weekly Barge Freight Rates: Southbound Only

		Twin Cities	Mid- Mississippi	Lower Illinois River	St. Louis	Cincinnati	Lower Ohio	Cairo- Memphis
Rate ¹	8/6/2019	543	601	538	470	293	293	397
	7/30/2019	507	610	516	469	278	278	400
\$/ton	8/6/2019	33.61	31.97	24.96	18.75	13.74	11.84	12.47
	7/30/2019	31.38	32.45	23.94	18.71	13.04	11.23	12.56
Curren	t week % change	from the sa	ıme week:					
	Last year	-16	1	-10	18	-34	-34	13
	3-year avg. ²	17	47	36	65	-9	-9	60
Rate ¹	September	433	427	423	380	356	356	365
	Oct/Nov	440	418	396	304	339	339	281

¹Rate = percent of 1976 tariff benchmark index (1976 = 100 percent); ²4-week moving average; ton = 2,000 pounds; "-" n/a due to closure

Source: Transportation & Marketing Programs/AMS/USDA









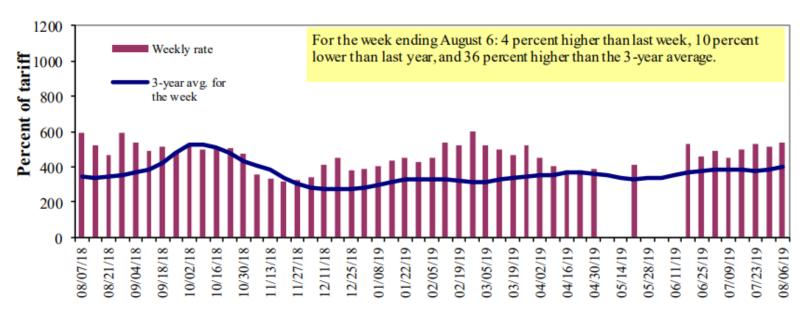


^{* -} Current weekly rate is a nominal value, reflecting the anticipation of improved navigation conditions

Impacts of Spring Floods

Figure 8

Illinois River Barge Freight Rate^{1,2}



¹Rate = percent of 1976 tariff benchmark index (1976 = 100 percent); ²4-week moving average of the 3-year average.

Source: Transportation & Marketing Program/AMS/USDA











Longer Term Impacts

- Increased towing rates
- Northbound barge prices have increased
 - 2019-2020 prices are up about 25% for annual contracts
 - Spot NB rates are about 60% higher
- Shoaling
- Lock Repairs











Aging River Locks

- 78% of locks will exceed their projected lifespan by 2020
- Average age of locks: 59.1 years
- 700% increase in unscheduled work stoppages for repairs over the last decade



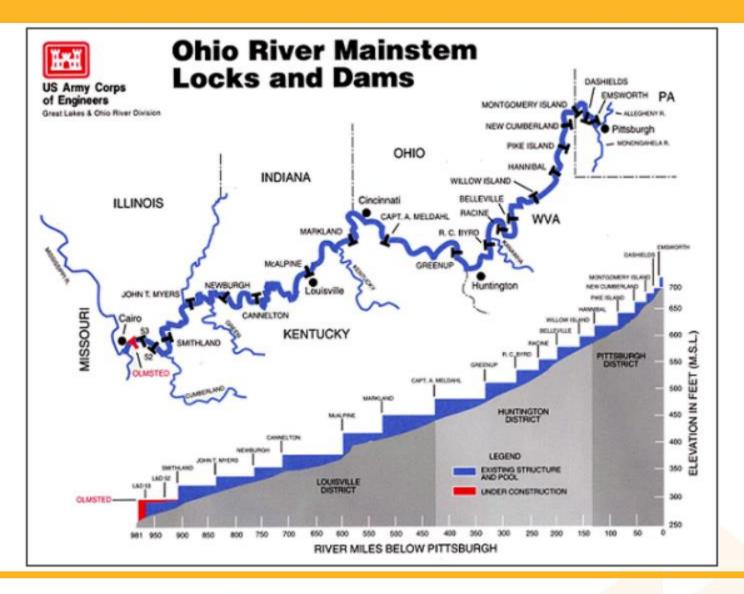








Ohio River Locks and Dams











Olmsted Lock and Dam

- Started Construction in December of 1995
- Completed in October of 2018
- Cost: just over \$3 billion
- Largest & most expensive inland waterway project ever done in the United States
- Located at Ohio River mile 964.4
 - Replaced Lock 52 & Lock 53
- The Corps estimates \$640 million economic benefits per year















2019 Restrictions/Closures

Starved Rock Lock & Marseilles Lock and Dam



- Upper bulkhead recess installation at both sites
- Navigation restriction period: June 1 2019 to August 31, 2019 extended through October 5.
- Partial Closure (barge traffic at night 6:00pm to 6:00am), with 70-foot width restriction & no ability to pull unpowered barges on upper end of locks

• Full Closure from 1:00am September 21, 2019 to midnight October 5, 2019.

TE-E-F Flour Belay			
24+ Hour Delay			
Lock	Milepoint	Queue	Avg. Delay Past 24 Hours
Willow Island	OR 162	5	14.93
Starved Rock	IR 231	18	124.92
Marseilles	IR 245	25	62.14
Algiers	LM 88	18	52.74
Industrial	LM 92	32	48.36







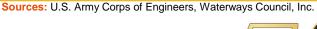




2020 Planned Closures



- Starved Rock Lock and Dam Upper & Lower Miter Gate Installation
 - 120 day full closure expected July 1 October
- Marseilles Lock and Dam Upper Miter Gate Installation
 - 90+ day full closure expected July 1 September 30
- Dresden Island Lock and Dam Upper Bulkhead Recess Installation
 - 90+ day restriction period with 14 day full closure
- Brandon Rd Lock and Dam Upper Bulkhead Recess Installation
 - 90+ day restriction period with 14 day full closure













Map of the Closures











Covered Hopper Fleet

- 30 years: average covered barge life
- Mid to late 1990s saw a surge in covered hopper builds

Covered Barge Fleet by Age

