

Advisory To Shipping No. A-37-2022

December 6, 2022

TO : All Shipping Agents, Owners, and Operators

SUBJECT: Monthly Canal Operations Summary – NOVEMBER 2022

1. Panama Canal Statistical Summary:

a. Transit Pilot Force	268
b. Pilots in Training	22
c. Tugs	46
d. Locomotives	100

2. Traffic Statistics:

	<u>Daily Average</u>	<u>High</u>	<u>Low</u>
Arrivals	34.50	44	23
Oceangoing Transits	36.37	42	33
Canal Waters Time (hours)	55.79	86.66	29.30
In-Transit Time (hours)	12.02	16.44	9.78
Oceangoing Transits:	<u>Total</u>	<u>Daily Average</u>	<u>Percentage</u>
Vessels of less than 91' beam	186	6.20	17.05
Vessels 91' beam to under 107' beam	610	20.33	55.91
Neopanamax Vessels (107' beam and over)	295	9.83	27.04
Total:	1,091	36.37	100.00
Booking Slots:	<u>Available</u>	<u>Used</u>	<u>Percentage</u>
Neopanamax (vessels of 107' beam and Over)	230*	231* ¹	100.43
Supers (vessels of 91' beam to under 107' beam)	390*	367* ¹	94.10
Regular Vessels (less than 91' beam)	180*	140* ¹	77.78
Auctioned booking slots	146	130	89.04

* Does not include additional auctioned booking slots

¹ Includes booked transits only

3. The following page provides the scheduled locks maintenance work and other items of interest to the shipping community.

4. This advisory will be canceled for record purposes on December 31, 2022.

ORIGINAL SIGNED

Ilya R. Espino de Marotta
Deputy Administrator and Vice President
for Operations

OP, December 6, 2022

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SCHEDULE OF PANAMAX LOCKS MAINTENANCE OUTAGES							
Dates	Duration	Miraflores	Pedro Miguel	Gatun	Estimated Capacity [^]	Expected Booking Condition	Status
November 24, 2022	5 hours		West*		30-32	1.a	Completed
December 2, 2022	8 hours			West*	28-30	1.a	Completed
December 15, 2022	8 hours			West*	28-30	1.a	Tentative
February 8, 2023	4 hours		West*		30-32	1.a	Tentative
February 9, 2023	5 hours		West*		30-32	1.a	Tentative
February 15, 2023	4 hours		West*		30-32	1.a	Tentative
February 16, 2023	5 hours		West*		30-32	1.a	Tentative

SCHEDULE OF NEOPANAMAX LOCKS MAINTENANCE OUTAGES						
Dates	Duration	Agua Clara	Cocolí	Estimated Capacity	Expected Booking Condition	Status
November 22, 2022	4 hours		*	9-11	1	Completed
December 5, 2022	6 hours		*	8-10	1	Completed
December 12, 2022	4 hours		*	9-11	1	Tentative
December 13, 2022	6 hours		*	8-10	1	Tentative
January 17, 2023	4 hours		*	9-11	1	Tentative

The normal transit capacity of the Panamax locks is 34-36 vessels per day, depending on vessel mix, neopanamax transits, and other factors. This capacity is reduced during locks maintenance work, as indicated in the above table. Consequently, vessels may experience delays in transiting. When the Panama Canal's capacity is expected to be reduced, a corresponding reduction in the number of available reserved transit slots may be ordered by the Canal Authority. Whenever a set of locks requires a major outage of one of its two lanes for dry chamber inspection, miter gate repairs, tow track work or other major maintenance/improvement projects, advantage may be taken to perform simultaneous single lane outages at other locks.

- * In order to perform scheduled maintenance works
- ** In order to perform scheduled dry chamber works
- *** Culvert outage
- ^ Panamax locks

View from the Panama Canal's Workforce: The Cornerstone of Global Trade

Leaders share an inside look at the waterway's workforce operations, new maintenance projects, and training the next generation.

The resilience of global trade flows has connected the world, rising above recent disruptions caused by the pandemic, supply chain shocks, and geopolitical conflict. By the end of this year, trade in goods is [expected](#) to outpace GDP growth, highlighting the continued need for interdependence to support local, regional, and global economies.

As the Panama Canal continues to play a predominant role in meeting global trade needs, the waterway's operations entirely depend on its world-class workforce. Under the leadership of Deputy Administrator and Vice President of Operations Ilya Espino de Marotta and Vice President of Infrastructure and Engineering Miguel Lorenzo, workers undertake continuous improvement projects to ensure the Canal can provide safe, reliable services for thousands of vessels that transit the waterway each year.

The long-term success of the Canal is propelled by its world-class workforce, diligent operational maintenance, and commitment to supporting and cultivating young leaders.

Fostering World-Class Workforce, Management & Operations

The wide spectrum of labor from line handlers, control tower operators, and seaman, to pilots, admeasurers, engineers, meteorologists, and countless others, are the backbone and movers who drive the Canal.

Developing, supporting, and engaging every worker at the waterway is vital to ensuring the success of the Canal's workforce and its maintenance operations. The Canal provides frequent training and collaboration opportunities to build talent, foster innovation, and advance best practices across a large and diverse number of teams.

The Panama Canal Authority's Center for Simulation, Research and Maritime Development (SIDMAR) has trained thousands of workers and professionals—within and outside the Canal. At the Center, workers have access to advanced simulation technology that supports training around risk mitigation, community organization, and environmental education.



Left: Deputy Administrator Ilya Espino de Marotta transits the Cocoli Locks on board a tugboat at the expanded Canal.

Right: Firefighters at the Miraflores Locks, on the Pacific side of the Canal, meet with Deputy Administrator Ilya Espino de Marotta.

“Having the privilege of leading and supporting our outstanding workforce is the honor of my career,” said Marotta. “I know that every person who works at the Canal is vital to ensuring our entire operation functions properly,” she added.

Ensuring the Safety & Reliability of the Canal

In the past three years, the Canal has invested over \$1.2 billion on maintenance programs to guarantee the continuity and efficiency of operations. These projects have included infrastructure updates to the Panamax Locks, maintenance of floating equipment, such as tugboats, preventative and corrective plans on electrical generation units, and erosion control to ensure safe passage for vessels.

As we look ahead to the winter season and FY23 supply chain planning, the Canal is investing in additional maintenance projects, deploying hundreds of workers across the many organizational departments, to ensure the waterway's operational reliability.

"In 2023, we will conduct maintenance projects across all of our assets, ranging from dry chamber works in the locks, to dredging, to fleet and land infrastructure maintenance," said Vice President of Infrastructure and Engineering Miguel Lorenzo. "Our workers are the real stars of the entire operation, which is why we are also investing in modernized facilities for staff," Lorenzo added.

Supporting the Next Generation of Leaders

Alongside investments in its workforce, the Canal is also looking to the future by providing resources to uplift the next generation of talent.

In conjunction with partners, the Canal trains young professionals through the Latin American Laboratory for Citizen Action (LLAC). Since 2019, the program has trained 500 young people from Panama to become agents of change across areas of environment, entrepreneurship, and financial education, among others.



Canal leaders, including Deputy Administrator Ilya Espino de Marotta, welcome the LLAC Class of 2022.

As part of its efforts to protect the vital water resources that the waterway relies on, the Canal recently organized the “Connecting Networks for Water” forum, alongside Youth Network for the Environment and the Canal Watershed.

“Young people care deeply about the effects of climate change, especially the impacts it will have on the water that all Panamanians rely on. As harborers of much of the nation’s water supply, the Canal is intrinsically linked to this issue, and we know we cannot find solutions alone,” said Deputy Administrator Ilya Espino de Marotta. “I am always inspired by the collaboration and passion that young people bring to moving climate action and resilience forward,” Marotta added.