



Advisory To Shipping No. A-21-2023

May 10, 2023

TO : All Shipping Agents, Owners, and Operators
SUBJECT : Monthly Canal Operations Summary – April 2023

1. Panama Canal Statistical Summary:

a. Transit Pilot Force	283
b. Pilots in Training	6
c. Tugs	46
d. Locomotives	100

2. Traffic Statistics:

	<u>Daily Average</u>	<u>High</u>	<u>Low</u>
Arrivals	33.57	43	25
Oceangoing Transits	35.93	38	33
Canal Waters Time (hours)	43.89	66.01	22.71
In-Transit Time (hours)	11.12	13.38	9.89

Oceangoing Transits:	<u>Total</u>	<u>Daily Average</u>	<u>Percentage</u>
Vessels of less than 91' beam	195	6.50	18.09
Vessels 91' beam to under 107' beam	598	19.93	55.47
Neopanamax Vessels (107' beam and over)	285	9.50	26.44
Total:	1078	35.93	100.00

Booking Slots:	<u>Available</u>	<u>Used</u>	<u>Percentage</u>
Neopanamax (vessels of 107' beam and Over)	210*	205* ¹	97.62
Supers (vessels of 91' beam to under 107' beam)	390*	375* ¹	96.15
Regular Vessels (less than 91' beam)	180*	152* ¹	84.44
Auctioned booking slots	174	147	84.48

* Does not include additional auctioned booking slots

¹ Includes booked transits only

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

4. This advisory will be canceled for record purposes on May 31, 2023.

ORIGINAL SIGNED

Boris Moreno Vásquez
Vice President for Operations

OP, May 10, 2023

Subject: Montly Canal Operations Summary – April 2023

SCHEDULE OF PANAMAX LOCKS MAINTENANCE OUTAGES							
Dates	Duration	Miraflores	Pedro Miguel	Gatun	Estimated Capacity[^]	Expected Booking Condition	Status
April 20, 2023	4 hours		West*		30-32	1.a	Completed
April 25, 2023	5 hours			East*	29-31	1.a	Completed
April 27, 2023	8 hours		West*	West*	26-28	1.a	Completed
April 30 to May 2, 2023	12 hours per day		West*		22-24	1.a	Completed
May 9 to 16, 2023	8 days		West**		19-21	2	Ongoing
May 18, 2023	4 hours		West*		30-32	1.a	Tentative
May 29, 2023	6 hours		West*		28-30	1.a	Tentative
May 31, 2023	5 hours			East*	29-31	1.a	Tentative
June 6 and 7, 2023	5 hours per day		West*		29-31	1.a	Tentative
June 8, 2023	8 hours		West*		26-28	1.a	Tentative
June 12 and 14, 2023	4 hours per day		West*		30-32	1.a	Tentative
June 13 and 15, 2023	5 hours per day		West*		30-32	1.a	Tentative
June 27 to July 4, 2023	8 days			East***	19-21	2	Tentative

SCHEDULE OF NEOPANAMAX LOCKS MAINTENANCE OUTAGES						
Dates	Duration	Agua Clara	Cocolí	Estimated Capacity	Expected Booking Condition	Status
April 10, 2023	4 hours	*		9-11	1	Completed
April 11, 2023	5 hours	*		9-10	1	Completed
April 17, 2023	4 hours		*	9-11	1	Completed
April 18, 2023	6 hours		*	9-10	1	Completed
May 22, 2023	4 hours		*	9-11	1	Tentative
May 23, 2023	5 hours		*	9-10	1	Tentative
May 29, 2023	4 hours	*		9-11	1	Tentative
May 30, 2023	5 hours	*		9-10	1	Tentative

[^]The normal transit capacity of the Panamax locks is 34-36 vessels per day, and in the neopanamax locks 9-11 vessels per day, depending on vessel mix, transit restrictions, and other factors. The maximum sustainable capacity of the Panama Canal (panamax and neopanamax locks) is approximately 38-40 vessels per day. 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

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Subject: Montly Canal Operations Summary – April 2023

Panama Canal commemorates World Day for Safety and Health at Work



Every day, thousands of workers efficiently operate, maintain, and manage the Panama Canal, which serves an average of 13,000 ships a year.

The task of these Panamanians is to make it possible for the waterway to serve 180 shipping lanes, connecting 170 countries with destinations to some 1,920 ports. In an operation of this magnitude, multiple risk factors are taken into consideration.

In commemoration of the World Day for Safety and Health at Work, the Canal highlights the occupational safety policies that prevent incidents or accidents as fundamental elements of its operation.

A recent testimony is the timely and early response to the COVID-19 pandemic, which focused on the protection of personnel, as well as the crews of the vessels that transited the Canal uninterrupted.

Thanks to an ongoing occupational health and safety program, the Canal can anticipate incidents and address occupational illnesses and property damage and their consequences in a timely manner.

Comprehensive Safety

The Panama Canal has multiple guidelines for the identification and risk control for the various work areas, in addition to a robust training, supervision and inspection plan to be aware of risks and reinforce safe work practices.

As part of its commitment to the workforce, the Panama Canal recently undertook a project to digitize industrial health and safety inspections. This project has streamlined and simplified the handling of information by digitizing several processes that were previously performed manually.

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The evaluation of the impact of projects in their design stages on the health and safety of workers is the most effective tool for prevention.

The personnel of each area of the Canal –including locks, workshops, rolling and floating equipment– follow basic safety rules through which they can coordinate their common efforts towards accident prevention. In this way, the workforce is protected and allows for a safe and profitable operation at the service of world trade for the benefit of the country.

Maintenance, the key

The Panama Canal also executes a robust multi-year maintenance program for all its structures.

The maintenance works are programmed through a system that establish the tasks, times and people in charge of each one of them. In addition, when such maintenance is executed in the locks, customers are informed in advance.

During fiscal year 2022, the Canal had a human team of 606 employees and an executed budget of B/.58.9 million, destined to:

- Major maintenance of locomotives.
- Reconditioning of tracks and submerged equipment.
- Maintenance of fender systems.
- Gates and valves.
- Rails and electrical systems.

Commitment to the country

The Panama Canal has a responsibility to the country to ensure the availability in volume and quality of water for its operation and for human consumption. This is possible thanks to the maintenance work and industrial safety policies that are implemented.

This commitment has materialized through the creation of the *Centro de Innovación, Investigación y Tecnología Hidroambiental* (CITEC), an initiative promoted by the Panama Canal, with the support of the *Universidad Tecnológica de Panamá* (UTP), as part of the efforts to increase the protection of water resources.

As part of the responsible management of water resources, the Panama Canal conducts annual operational tests of the 14 gates of the Gatun spillway in Colon, ensuring that they are available for flood control when the reservoir reaches critical levels in the last quarters of the year.