

## Advisory To Shipping No. A-33-2022

October 6, 2022

**TO :** All Shipping Agents, Owners, and Operators

**SUBJECT:** Monthly Canal Operations Summary – SEPTEMBER 2022

1. Panama Canal Statistical Summary:

a. Transit Pilot Force .....	268
b. Pilots in Training .....	16
c. Tugs .....	46
d. Locomotives .....	100

2. Traffic Statistics:

	<u>Daily Average</u>	<u>High</u>	<u>Low</u>
Arrivals	32.57	40	22
Oceangoing Transits	33.30	38	26
Canal Waters Time (hours)	37.18	59.72	21.55
In-Transit Time (hours)	11.43	15.92	9.05
	<u>Total</u>	<u>Daily Average</u>	<u>Percentage</u>
Oceangoing Transits:			
Vessels of less than 91' beam	174	5.80	17.42
Vessels 91' beam to under 107' beam	548	18.27	54.85
Neopanamax Vessels (107' beam and over)	277	9.23	27.73
Total:	999	33.30	100.00
	<u>Available</u>	<u>Used</u>	<u>Percentage</u>
Booking Slots:			
Neopanamax (vessels of 107' beam and Over)	236*	227* <sup>1</sup>	96.18
Supers (vessels of 91' beam to under 107' beam)	369*	340* <sup>1</sup>	92.14
Regular Vessels (less than 91' beam)	180*	142* <sup>1</sup>	78.88
Auctioned booking slots	139	93	66.90

\* Does not include additional auctioned booking slots

<sup>1</sup> 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 October 31, 2022.

**ORIGINAL SIGNED**

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

OP, October 6, 2022

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SCHEDULE OF PANAMAX LOCKS MAINTENANCE OUTAGES							
Dates	Duration	Miraflores	Pedro Miguel	Gatun	Estimated Capacity <sup>a</sup>	Expected Booking Condition	Status
September 20, 2022	5 hours			West*	30-32	1.a	Completed
September 21, 2022	4 hours		West*		31-33	1.a	Completed
September 27, 2022	5 hours		West*		30-32	1.a	Completed
September 28, 2022	4 hours		West*		31-33	1.a	Completed
October 3 and 4, 2022	5 hours per day			West*	30-32	1.a	Completed
October 6, 2022	8 hours			West*	28-30	1.a	Confirmed
October 10, 2022	5 hours			West*	30-32	1.a	Confirmed
October 13, 2022	8 hours			West*	28-30	1.a	Tentative
October 19, 2022	6 hours		West*		29-31	1.a	Tentative
November 22, 2022	5 hours		West*		30-32	1.a	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

## Panama Canal Leads Investments in Water Research & Reliability in the Region

From the national research community to international experts, the Canal is partnering on new tools and projects to support environmental action.



In the months to come, major global convenings will bring together public and private sector leaders in hopes of driving significant action on climate change. We have already seen the power that these partnerships hold at recent events, including Climate Week NYC and the Global Maritime Forum's Annual Summit.

As the Panama Canal initiates sustainability innovations within its operations and watershed, it continues to mark the strongest successes when projects are forged alongside partners.

### **Launching a New Research Center to Protect Water Resources**

Last month, the new Center for Innovation, Research and Hydro-environmental Technology (CITEC) held its first general assembly meeting. The Panama Canal led the development of CITEC with partners, including the City of Knowledge Foundation (FCDS), the National Secretariat of Science, Technology, and Innovation (SENACYT), the National Authority for Government Innovation (AIG), and the Technological University of Panama (UTP). The non-profit research center is part of a national effort to dedicate resources toward advancing water management and conservation.

"The starting point for this initiative was a conference on water and hydrology held with the Technological University of Panama in February 2020, where the proposal to create a hydrometeorology research center emerged. After two years, this evolved into a research center that not only conducts hydrometeorology, but also protects the Canal watershed," said the Panama Canal Administrator Ricaurte Vásquez Morales.

The new center will focus on world-class research, water management technology, and groundbreaking innovation. Its goal will be to generate startups, discoveries, and new activities in the areas of water resources and environment. By partnering with expert organizations, CITEC will seek to harness artificial intelligence and machine learning, facilitating new capabilities in the management of environmental resources like water.

"The Canal is proud to support CITEC to bolster national water security by designing new tools that can efficiently manage our environmental resources through digital and operational innovations," the Administrator added.

### **Measuring Progress on Securing Water Reliability at the Canal**

The Panama Canal recently developed new planning instruments to help better manage the watershed resources, including a Sustainable Development and Decarbonization Strategy and an Indicative Environmental Land Use Plan.

The Sustainable Development and Decarbonization Strategy will help address population growth, low-impact socioeconomic development, environmental conservation, and climate change mitigation through decarbonization resilience. The Indicative Environmental Land Use Plan is an instrument to support environmental management, land use planning, and other environmental considerations related to urban and rural development.

The planning tools were designed and created with assistance from the Inter-American Development Bank (IDB), which provided technical support to analyze trends, risk scenarios, and management structures around the future of water resources at the Canal and in the watershed.

“Our work with the IDB is crucial to forming a deeper understanding of how the Canal may be affected by climate change and what steps we must take in order to adapt to and mitigate potential impacts on people, the environment, and our infrastructure,” said Magnolia Calderón, VP for Water Resources Management at the Panama Canal.

These plans were also developed in close partnership with more than 860 institutional actors, including the private sector, local government organizations, NGOs, and universities. The availability of water resources, environmental protection and conservation, and the Canal’s resilience to climate change are crucial priorities that require dedicated support from strategic allies and partners to ideate, manage, and measure.

“We look forward to continuing our strong history of strategic alliances with all the actors to promote sustainable progress for the Panama Canal, its watershed and the Panamanian people, promoting innovation, research, and the creation of tools that protect our environmental resources and provide services that promote world trade,” she added.



#### Canal Workers Spotlight: Taking Care of the Watershed

To mark the Canal’s 108th anniversary last month, workers from the Canal, joined by Administrator Ricaurte Vásquez Morales and Deputy Administrator Ilya Espino de Marotta, took part in a watershed reforestation project. The team planted native species on 60 hectares of land that was previously used as a deposit for materials during the Expansion. This reforestation project will help establish the area as a humid tropical forest, protecting the nearby river and water resources.

