

MAC Recommendations for 45' Project Channel Transition- Delaware River  
2.13.2019

Stage One Transit Advisories

**-The maximum fresh water draft for river transit from sea to Beckett Street is 42 feet. The maximum fresh water outbound draft is 40 feet.** This 42' draft restriction shall be effective for a period of 6 months or long enough to allow a minimum of six round-trip vessel transits (six inbound/six outbound) in excess of 40' draft to be safely completed before consideration of scaling up draft restrictions.

-All vessels arriving with a fresh water draft in excess of 39' are to transit during flood current only.

-All vessels over Panamax size beam (106 feet) with a block coefficient of .70 and above (see appendix) having a fresh water draft in excess of 37'-06", shall only transit during flood current.

- All vessels up to and including Panamax size beam (106 feet) having a fresh water draft of 39 feet and under should arrange their river transit to afford a minimum of three feet clearance in the Marcus Hook area. The clearance should give due consideration to vessel squat, predicted tide, and the wind effect on actual tide.

- Vessels outbound from Paulsboro, NJ and above, having a fresh water draft of 37 feet and up to 40 feet should arrange to sail 2 hours after low water. Due to the extended time of transit for these particular deep draft vessels, two (2) river pilots will be arranged for transit to sea.

-Lower end of Marcus Hook Anchorage shall be reserved as a bail out/turnaround location for vessels whose draft exceeds 40' fresh water.

Stage Two Transit Advisories

**-The maximum fresh water draft for river transit from sea to Beckett Street is 43 feet.** This 43' draft restriction shall be effective for a period of not less than 3 months. During this time period, a minimum of three round-trip vessel transits (three inbound/three outbound) in excess of 41' draft shall be safely completed before consideration of scaling up draft restrictions.

-All vessels arriving with a fresh water draft in excess of 40' are to transit during flood current only.

-All vessels over Panamax size beam (106 feet) with a block coefficient of .70 and above (see appendix) having a fresh water draft in excess of 38'-06", shall only transit during flood current.

- All vessels up to and including Panamax size beam (106 feet) having a fresh water draft of 40 feet and under should arrange their river transit to afford a minimum of three feet clearance in the Marcus Hook area. The clearance should give due consideration to vessel squat, predicted tide, and the wind effect on actual tide.

- Vessels outbound from Paulsboro, NJ and above, having a fresh water draft of 40 feet and up to 43 feet should arrange to sail 2 hours after low water. Due to the extended time of transit for these particular deep draft vessels, two (2) river pilots will be arranged for transit to sea.

-Lower end of Marcus Hook Anchorage shall be reserved as a bail out/turnaround location for vessels whose draft exceeds 40' fresh water.

Stage Three Transit Advisories

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**-The maximum fresh water draft for river transit from sea to Beckett Street is 44 feet.** This 44' draft restriction shall be effective for a period of not less than 3 months. During this time period, a minimum of three round-trip vessel transits (three inbound/three outbound) in excess of 42' draft shall be safely completed before consideration of scaling up draft restrictions.

-All vessels arriving with a fresh water draft in excess of 41' are to transit during flood current only.

-All vessels over Panamax size beam (106 feet) with a block coefficient of .70 and above (see appendix) having a fresh water draft in excess of 39'-06", shall only transit during flood current.

- All vessels up to and including Panamax size beam (106 feet) having a fresh water draft of 41 feet and under should arrange their river transit to afford a minimum of three feet clearance in the Marcus Hook area. The clearance should give due consideration to vessel squat, predicted tide, and the wind effect on actual tide.

- Vessels outbound from Paulsboro, NJ and above, having a fresh water draft of 41 feet and up to 44 feet should arrange to sail 2 hours after low water. Due to the extended time of transit for these particular deep draft vessels, two (2) river pilots will be arranged for transit to sea.

-Lower end of Marcus Hook Anchorage shall be reserved as a bail out/turnaround location for vessels whose draft exceeds 40' fresh water.

Stage Four Transit Advisories

**-The maximum fresh water draft for river transit from sea to Beckett Street is 45 feet.**

-All vessels arriving with a fresh water draft in excess of 42' are to transit during flood current only.

-All vessels over Panamax size beam (106 feet) with a block coefficient of .70 and above (see appendix) having a fresh water draft in excess of 40'-06", shall only transit during flood current.

- All vessels up to and including Panamax size beam (106 feet) having a fresh water draft of 42 feet and under should arrange their river transit to afford a minimum of three feet clearance in the Marcus Hook area. The clearance should give due consideration to vessel squat, predicted tide, and the wind effect on actual tide.

- Vessels outbound from Paulsboro, NJ and above, having a fresh water draft of 42 feet and up to 45 feet should arrange to sail 2 hours after low water. Due to the extended time of transit for these particular deep draft vessels, two (2) river pilots will be arranged for transit to sea.

-Lower end of Marcus Hook Anchorage shall be reserved as a bail out/turnaround location for vessels whose draft exceeds 40' fresh water.