



**The Great Lakes - St. Lawrence Seaway System**  
***Le réseau Grands Lacs - Voie maritime du Saint-Laurent***

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SEAWAY NOTICE NO. 7 – 2017

**Reminder - Draft Information System (DIS) Correction**

Mariners of vessels equipped with an approved and operational DIS are reminded that a correction to the dynamic squat equation for traditional laker vessels in a shallow lake must be made to their DIS before the beginning of the 2017 navigation season. The correction can be found in the revised DIS specification issued on November 8, 2016 as per the Customer Advisory found at:

<http://www.greatlakes-seaway.com/en/news/customer-advisories/advisories/ca20161108.html>

The original traditional laker dynamic squat equation overstates the amount of squat in a shallow lake. As a result, the traditional laker's underkeel clearance is actually double what is being shown on the DIS. The correction will more accurately represent the squat characteristics of a traditional laker.

Once the correction has been made to the DIS, mariners are asked to fax the attached **DIS Correction Confirmation** form to Seaway - Operations at 613-932-5204 or email it to [sgrady@seaway.ca](mailto:sgrady@seaway.ca).

Thank you for your cooperation.

March 10, 2017



## Draft Information System (DIS) Correction Confirmation Form

The original traditional laker dynamic squat equation overstates the amount of squat in a shallow lake. As a result, the traditional laker's underkeel clearance is actually double what is being shown on the DIS. The correction more accurately represents the squat characteristics of a traditional laker.

Vessel Name:

IMO Number:

Initials in this  
column indicate  
that the  
validation requirement  
has been satisfied

| Criteria  | Validation   | Initials |
|---|--|----------|
| Change dynamic squat equation for traditional laker in a shallow lake | From:<br>$S = -0.0001007 * V^4 + 0.002602 * V^3 - 0.0116014 * V^2 + 0.0429744 * V$ To:<br>$S = -0.0001007 * V^4 + 0.002602 * V^3 - 0.016014 * V^2 + 0.0429744 * V$ |          |

V is the vessel speed through water.

Signature: \_\_\_\_\_

(Signature of Master)

Name: \_\_\_\_\_

(Please print)

Date: \_\_\_\_\_

**Fax: Seaway Operations at 613-932-5204  
or email: sgrady@seaway.ca**