

**2018 GLMM -STANDARDISED TRISTAN LOBSTER CPUE COMPARED
WITH THE CURRENT OMP TARGET LEVELS (Itar)**

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MAY 2018

Summary

This document reports the 2018 GLMM-standardised Tristan lobster CPUE compared with the current OMP target levels that are in place for each island.

Johnston and Butterworth (2018 a,b) report the details of the recently updated standardised CPUE series using GLMMs (for the outer islands CPUE) and a GLM for Tristan.

This document reports the standardised CPUE trends along with the current Itar values which are:

Inaccessible = 4 kg/trap

Gough = 2.8 kg/trap (although this is the last value of a sliding scale of values starting at 4 kg/trap when the OMP was first developed)

Nightingale = 5.0 kg/trap

Tristan = 1.257 kg/trap

Figures 1-4 plot the nominal CPUE trends and the updated standardised CPUE along with the Itar values. These figures show that for Inaccessible and Nightingale the current CPUE is well above the Itar levels. The current Gough CPUE is also above the Itar level. The current CPUE at Tristan however remains just below the Itar value.

References

Johnston, S.J. and Butterworth, D.S. 2018. Updated 2018 GLMM standardised lobster CPUE from the Tristan da Cunha outer group of islands. MARAM/TRISTAN/2018/MAR/04.

Johnston, S.J. and Butterworth, D.S. 2018. Updated (and rescaled) Tristan GLM-standardised lobster CPUE to take account of data for the 2017 season. MARAM/TRISTAN/2018/MAY/05.

Figure 1: Inaccessible nominal and standardised CPUE trends. The horizontal line shows the Itar value of 4 kg/trap.

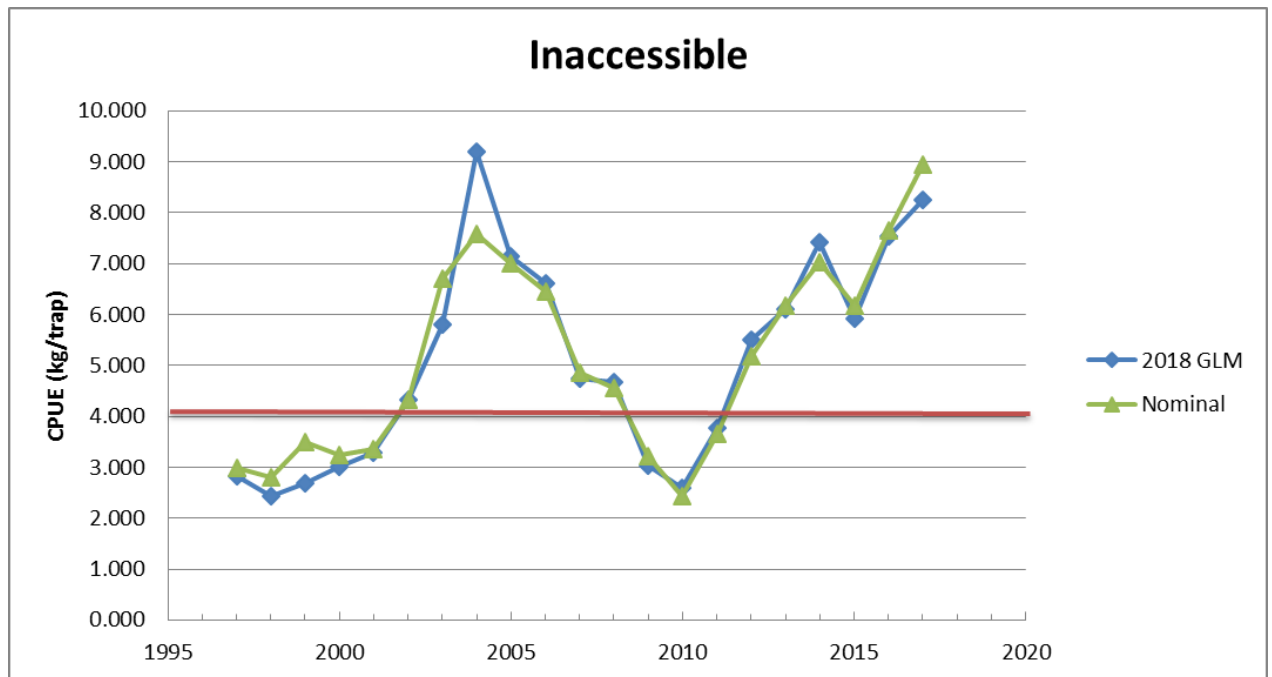


Figure 2: Gough nominal and standardised CPUE trends. The horizontal lines shows the initial Itar value of 4 kg/trap as well as the current value of 2.8 kg/trap.

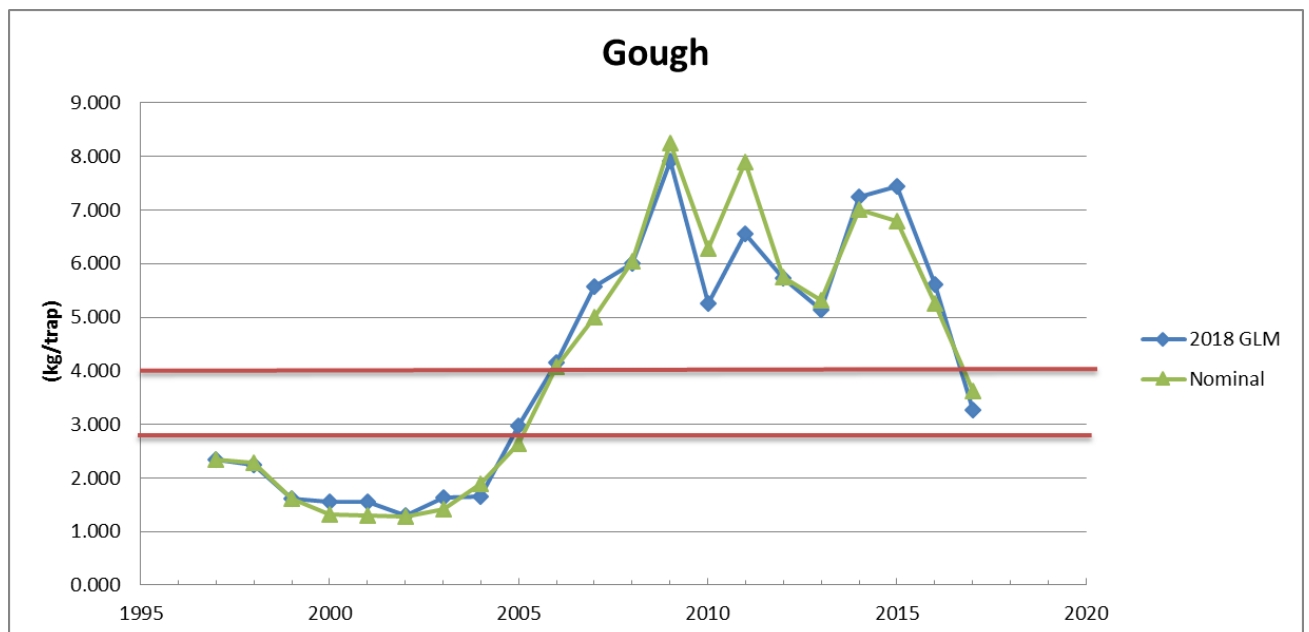


Figure 3: Nightingale nominal and standardised CPUE trends. The horizontal line shows the Itar value of 5.0 kg/trap.

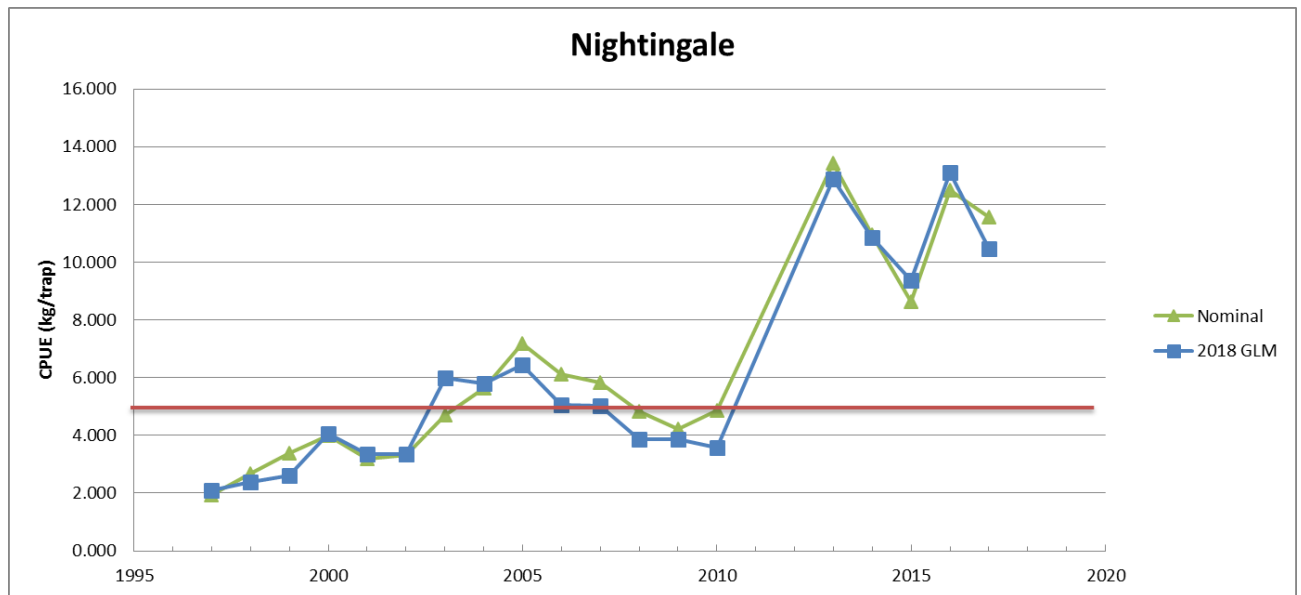


Figure 4: Tristan nominal and standardised CPUE trends. The horizontal line shows the Itar value of 1.257 kg/trap.

