

**Kieran Doherty**

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**From:** John P Kelly (Galway) <John.Kelly@tobin.ie>  
**Sent:** Monday 25 November 2019 18:20  
**To:** Kieran Doherty  
**Subject:** GHE CMR Additional Intertidal reference area proposed  
**Attachments:** GHE ABP CMR Intertidal ref. area.pdf

Kieran,

In response to your email of 12/11/19 regarding a reference site, we propose to add an additional study area where aquaculture will continue to be carried out and where agricultural lands adjacent to it will continue to be tracked, worked, tilled, grazed and fertilised. This is marked as (Area 1) on the attached Fig. 20. This will act as our proposed reference area.

This area will be surveyed at the same time as the compensation area (Area 2) using the same techniques *e.g.* 10 faunal cores (15 x 20cms), sieved on a 1mm mesh, taxa identified to species wherever possible, 10 further cores for granulometric and organic carbon analysis, all data subjected to standard statistical analyses *e.g.* univariate and multivariate analyses but also the Water Framework Directive "Ecological Quality Ratio" and the "Infaunal Quality Index" indicator will be used to assess the impacts on the Ecological Status of the infaunal communities.

Please see map which is proposed as Fig. 20 Intertidal reference area, we would be grateful if you can confirm that you would deem this to be appropriate.

Thank you,

**John P Kelly B.E. M.I.E.I.**  
**Project Director**

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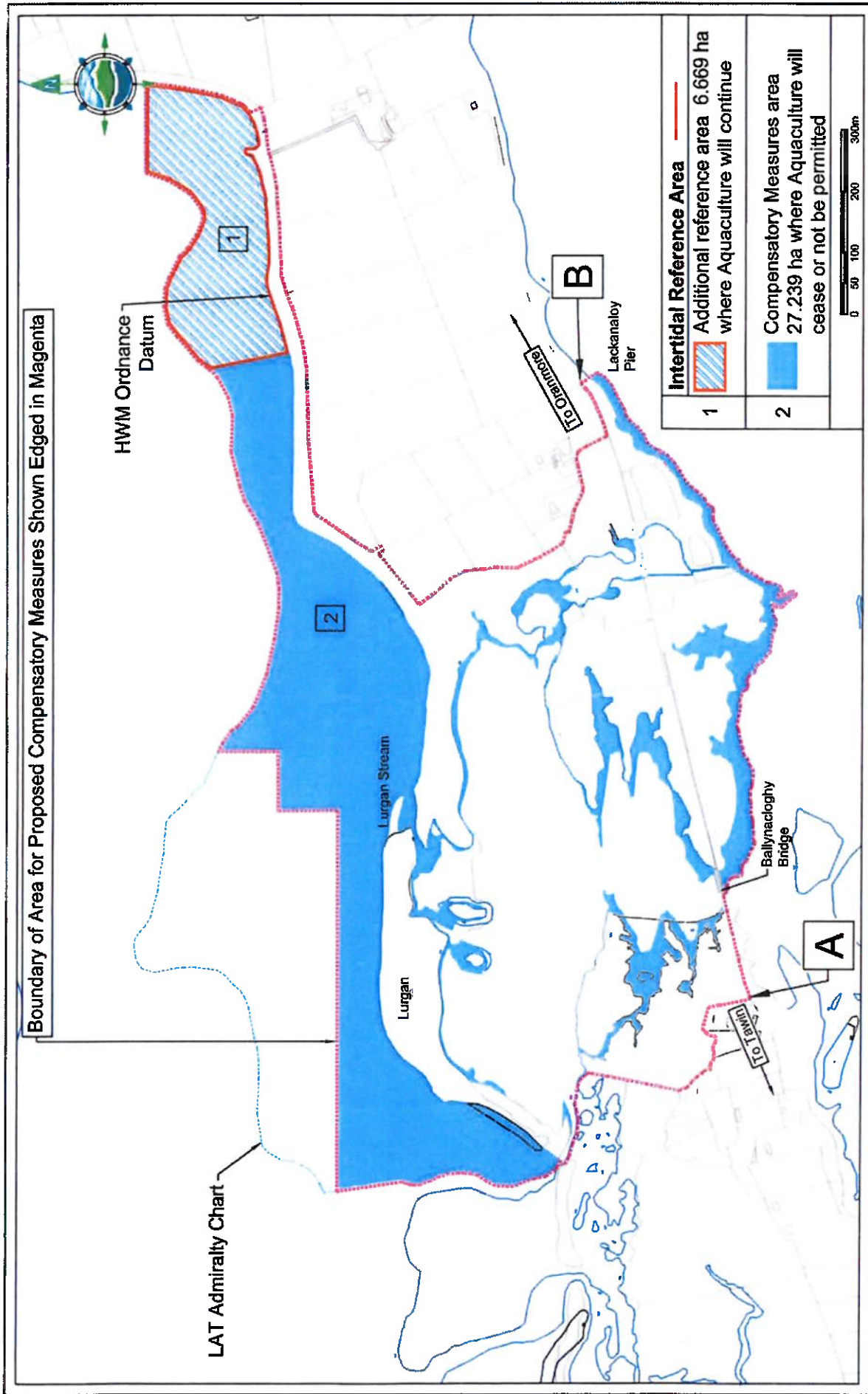


Fig. 20 Intertidal Reference Area