

**From:** [Adrian Bell](#)  
**To:** [Wallace Stone - Hebrides](#)  
**Cc:** [Brenda Jones](#); "[fiona.henderson@affriclimited.co.uk](mailto:fiona.henderson@affriclimited.co.uk)"; [Richard Donnet - Wallace Stone LLP](#)  
**Subject:** RE: [EXT] Stornoway Deep Water Port - Dredge Depth - 2139  
**Date:** 10 February 2019 17:18:36  
**Attachments:** [image002.png](#)

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Dear John

Thank you for your email re the increased dredged depth for the Deep Water Port.

I have examined the proposal and can advise you as follows.

**Wave Climate** The increase in the dredged depth will have no impact on the wave climate in and around Stornoway Harbour as the originally proposed depths are already in excess of those which could influence the storm waves in the harbour.

**Water Quality resulting from dredging.** The model simulations used to examine the impact of the proposed dredging assumed a dredging period of 60 days. If the increased dredged depth resulted in the dredging operation taking 70 days rather than the 60 days then there would be no increase in the suspended sediment plumes and the deposition of sediment on the sea bed away from the immediate area of the Deep Water Port project would be generally less than 1.16mm.

If the dredging operations including the increased dredged depth were undertaken within the 60 days of the model simulations then the modelling indicated that the peak value of the increase in suspended sediment concentration (SSC) outside the dredged area would be less than 70 mg/l at all times during the dredging operation. In other parts of Stornoway Harbour, remote from the dredged area, the maximum increase in the SSC would be less than 24 mg/l at any time during the dredging operation. The modelling also indicated that the mean increase in the total SSC in Stornoway Harbour over the dredging period will be less than 12 mg/l away from the immediate area around the proposed Deep Water Port Stage 1 project and the deposition of sediment on the sea bed away from the immediate area of the Deep Water Port project would be generally less than 1.16mm.

You will see from the above that the proposed increased in the dredged depth will have no significant impact on either the wave climate or the sediment transport/water quality of the waters in Stornoway Harbour.

I trust that this clarifies this issue but please do not hesitate to contact me if you need any additional information on this matter.

Kind regards

Adrian

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**From:** Wallace Stone - Hebrides [mailto:Hebrides@wallacestone.co.uk]  
**Sent:** 06 February 2019 18:25  
**To:** Adrian Bell  
**Cc:** 'brenda.jones@stornowayport.com'; 'fiona.henderson@affriclimited.co.uk'; Richard Donnet - Wallace Stone LLP  
**Subject:** [EXT] Stornoway Deep Water Port - Dredge Depth - 2139

Adrian

Further to my phone conversation with you this evening, I confirm we are proposing to increase the dredge depth in the approaches to the Stornoway Deep Water Port quay from 9.5 to 10.0m below C.D. The dredge volume will remain within the 440,000 cu.m. that we have in the marine licence application, but the footprint of the dredge spills over the north and east edges of the coordinated outline.

Can you please confirm whether the increase in dredge depth and extent is likely to have any significant effects on sediment transport or wave climate at the site.

Kind regards  
John

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