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Doug Schmuck
Doug's Opua Boat Yard,
1 Richardson Street
Opua 0200

15 May 2018

DREDGING MOORING MANAGEMENT PLAN - RESOURCE CONSENT APP.039650.01.01

Dear Doug,

You have asked Moorings Northland to advise on and carry out, at an appropriate time, certain mooring works in order to facilitate dredging as described in more detail in the proposed consent APP.039650.01.01.

In particular, we understand moorings #630, #652, #657, #671, #672, #673 and #683 will require temporary relocation to an area within Doug's Opua Boat Yard occupational zone. Following the completion of the dredging, which we understand is occurring in phases, the moorings are to be returned to their original site as per the GPS co-ordinates contained each mooring's Certificate of Inspection. Should it be necessary, we will alter the mooring rode to take into account any change in depth arising from the dredging.

We also understand that moorings #641, #642, #648, #650, #658, #670, #673, #682, #683 and #686 may need their mooring rodes extended 90 degrees to the line of works to facilitate clear and safe dredging. We understand that, as consent holder, Doug's Opua Boat Yard will continuously monitor these moorings throughout the dredging programme.

We advise that we have carried out the immediate past servicing works on the effected moorings and, where relevant, are authorised to carry out the near-term services on several of these moorings. This is relevant insofar that we are very familiar with the specific design and requirements of each mooring in question.

Our barge uses GPS technology located immediately above the mooring lifting point. In addition, the depth at the various mooring sites is such that our barge is able to "pin" itself to the seabed, using spuds, during the lifting and deployment process. Both these features enable us to accurately deploy moorings to their original locations.

In addition and following the completion of our role in the project, we will submit a report to Doug's Opua Boat Yard documenting the GPS location for the above moorings and any mooring rode changes that may arise from changes in depth. We anticipate this report being provided to the NRC.

All works will be carried out at a time to be advised by the consent holder and in conjunction with Total Marine Services and subject to any conditions set by the consenting authority.

Regards

A handwritten signature in black ink, appearing to read 'RLG' with a stylized flourish at the end.

Rob Lang
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