



**NO  
HABITAT  
NO FISH**

**Fisheries and Oceans  
Habitat Management  
Division  
Maritimes Region**

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**Pêche et Océans  
Division des gestion de  
l'habitat  
Région des Maritimes**

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**Date : 27 March 03**

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**From Voice # :**

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**To:** Paul Buxton

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**Notes:** Mr. Buxton.  
Please find attached paragraph from  
a response by Mr. Norman Cochrane, Senior  
Branch, DFO.  
Could you please clarify his  
misunderstanding.  
Thank you  
Phil Zamora

General Comment 2 (Response) – I do not fully understand the comment in the last sentence “.. this initial blast represents the most critical blast in relation to the marine environment and will be closely monitored.” Is this blast “most critical” because it will be the only blast closely monitored? (The blasting plan p. 5 seems to imply there will be 3 monitoring stations for the original blast and only one for subsequent blasts – will this be proximate (?) – the wording is unclear!). Or will this blast be unique in being closest to the shoreline or having larger charge weights? Certainly other points in the quarry area are about the same distance from the shoreline. The quarry operator also reserves the right to vary the charge size per hole as blasting objectives warrant to presumably greater than 45 kg/detonation. It is not clear exactly how “Subsequent blasts will be designed based on the information gathered from monitoring the initial blast” or “..all blasts will be designed to meet or exceed the parameters set forth in your Blasting Guidelines” based on data collected on the initial blast. For instance if ground velocities monitored during the initial blast are lower than those predicted from the empirical formulas does this justify modifying the formula for future predictions? (This might be eventually justifiable – but one should have more good quality data than that obtained from one proximate monitoring site during 1 shot to justify it. Depth of shot holes hence possible coupling will vary for future shots).