

From: DFO
Sent: Monday, July 11, 2016 9:11 AM
To: Hicks, Darren
Cc: DFO
Subject: RE: CGG Services (Canada) Inc. Newfoundland Offshore 2D, 3D and 4D Seismic Program, 2016 to 2025
Attachments: Site Maps 2.pptx; Station Locations.xlsx

Darren:

I have reviewed the submitted EA Addendum for the CGG Seismic Survey EA for the most part it has addressed our previous comments on the review of the project EA (provided April 13, 2016). It is felt that the response offered to DFO Specific Comment #9 (page 6 and 7 of the Addendum) does not provide the short summary of potential effects of masking that are provided for within Erbe et.al. (2015). Given the dates of the Southern Newfoundland SEA (CNLOPB 2010) and the Eastern Newfoundland SEA (CNLOPB 2014) it is not clear whether these referenced SEAs would have included a summary of information presented within Erbe et.al. (2015). It is felt that the project specific EA should / could still benefit from a short summary of the potential effects of masking rather than referring readers back to SEAs completed in 2010 and 2014.

As discussed the CGG seismic program area (as well as other offshore seismic programs) overlap with a recently initiated ESRF Study on potential interactions of seismic sound in the marine environment and marine invertebrates namely crab being led by Dr. Corey Morris with DFO Science NL Region. The coordinates of the Study Site and Control Site (Sites 1 and 2 respectively on attached map and spreadsheet) as well as an indication of time periods for restrictions relative to planned seismic surveys have been provided previously to Dave Burley by Dr. Morris. As such the ESRF Study Areas and related restrictions and/or avoidance should be reflected within any response to the proponent relative to review of the EA Amendment, any subsequent EA Updates and related authorizations for seismic activities planned by CGG.

I trust this is helpful if you have any questions or require anything further please let me know.

From: Hicks, Darren [mailto:DHicks@cnlopb.ca]
Sent: June-21-16 1:37 PM
To: DFO
Cc: C-NLOPB
Subject: RE: CGG Services (Canada) Inc. Newfoundland Offshore 2D, 3D and 4D Seismic Program, 2016 to 2025

Please see the attached EA Addendum for the CGG Services (Canada) Inc. Newfoundland Offshore 2D, 3D and 4D Seismic Program, 2016 to 2025. The C-NLOPB asks that you reply by close of business July 5, 2016.

Further details on this project may be found at
<http://www.cnlopb.ca/assessments/cggservices.php>

If you any questions please feel free to contact us.

Regards
Darren

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