

EPA Official Record

Notes ID: CD9237413B5645A486257A380067EAC1

From: Jay Borkland <jborkland@apexcos.com>

To: Phil Colarusso/R1/USEPA/US@EPA

Copy To: Chet Myers <cmyers@apexcos.com>; Christopher Morris <CMorris@apexcos.com>; Gregory Dolan <gdolan@apexcos.com>

Delivered Date: 07/09/2012 06:21 PM EDT

Subject: Winter Flounder Mitigation

Hello Phil:

Per our discussion this afternoon, here is the shortened version of how the Commonwealth (via Apex) has calculated the impacts and the mitigation area for the Winter Flounder:

The numbers herein are distilled from the June 18, 2012 Response to EPA Comments document submittal - they are from Pages 9 and 10 of that document under the heading "Updated Summary of Overall Project Impacts":

A. Impacts to Winter Flounder:

- "4.06 acres of shallow, near-shore sub-tidal area";
- "0.67 acres of area that will be dredged, partially filled with a concrete blanket along the bottom as well as piles needed to support the pile-supported section of the quay, and shaded by the concrete platform";
- "7.02 acres of near-shore, subtidal area will be dredged from between -1 and -6 MLLW to between -30 and -32 MLLW (Quayside Areas - *Increased Due to the Potential Extension of the Deep-Draft Dredging Area to the South and Due to Potential Widening of Deep-Draft Channel By 50*

Feet)";

· "8.46 acres of near-shore, subtidal area will be dredged from -1 MLLW to -6 MLLW to -14 MLLW (Quayside Areas and Tug Channel)".

The above acreage totals to about 20.21 acres of impact to the resource that could potentially be utilized by Winter Flounder in some manner at some point in their life cycle (intended to represent a worst-case scenario of impact to that population).

B. Mitigation Area:

· The Winter Flounder Mitigation area as designed is a total of 22.73 acres. Our intent was to design a mitigation area that would be at least as large as 20.21 acres of impact but also be construct-able (ie - regular in shape, with ample side slopes for stability and straight lines or curves for edges) and work with the contours that exist on the bottom of the bay where the mitigation is proposed to be conducted. The final mitigation area designed is slightly larger than the 20.21 acres needed to mitigate for the impact, but the additional area is necessary to make the mitigation area construct-able and to make it work with the amount of material that will need to be placed and the current configuration of the contours of the bottom in the location of the proposed mitigation.

Hope this helps. Let us know if there are any other questions.

Thanks. - J



[IMAGE]

Jay Borkland

Apex Companies, LLC

184 High Street, Suite 502

Boston, MA 02210

O) 617-728-0070 M) 617-513-0640

Privacy Notice: This message and any attachment(s) hereto are intended solely for the individual(s) listed in the masthead. This message may contain information that is privileged or otherwise protected from disclosure. Any review, dissemination or use of this message or its contents by persons other than the addressee(s) is strictly prohibited and may be unlawful. If you have received this message in error, please notify the sender by return e-mail and delete the message from your system. Thank you.

***** ATTACHMENT NOT DELIVERED *****

This Email message contained an attachment named
image001.jpg

which may be a computer program. This attached computer program could
contain a computer virus which could cause harm to EPA's computers,

network, and data. The attachment has been deleted.

This was done to limit the distribution of computer viruses introduced into the EPA network. EPA is deleting all computer program attachments sent from the Internet into the agency via Email.

If the message sender is known and the attachment was legitimate, you should contact the sender and request that they rename the file name extension and resend the Email with the renamed attachment. After receiving the revised Email, containing the renamed attachment, you can rename the file extension to its correct name.

For further information, please contact the EPA Call Center at (866) 411-4EPA (4372). The TDD number is (866) 489-4900.

***** ATTACHMENT NOT DELIVERED *****

***** ATTACHMENT NOT DELIVERED *****

This Email message contained an attachment named
image001.jpg

which may be a computer program. This attached computer program could contain a computer virus which could cause harm to EPA's computers, network, and data. The attachment has been deleted.

This was done to limit the distribution of computer viruses introduced into the EPA network. EPA is deleting all computer program attachments sent from the Internet into the agency via Email.

If the message sender is known and the attachment was legitimate, you should contact the sender and request that they rename the file name extension and resend the Email with the renamed attachment. After receiving the revised Email, containing the renamed attachment, you can rename the file extension to its correct name.

For further information, please contact the EPA Call Center at (866) 411-4EPA (4372). The TDD number is (866) 489-4900.

***** ATTACHMENT NOT DELIVERED *****