



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre file : [store-reference](#)

Our file : [store-reference](#)

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT BARKLEY BAY (LWBC # 1401284)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

DFO-126640

\\svbcvanfp01\Cohen-Comm\Network Drives\Aqua\Fin Fish Applications, Depomod, CEAA's etc\REVISED FA letter Renewals\mailmerge 7.14.2005.doc

CAN044502_0001

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the licensed production amount.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. All floats must be located in at least 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Water depth must be at least 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre file : [store reference](#)

Our file : [store reference](#)

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT SALTSRING ISLAND (LWBC # 1401514)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Mr. Sisler - Service des pêches

Dear Mr. Sisler - Service des pêches

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT HARDY BAY (LWBC # 1401561)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre *Notre référence*

Our file *Our reference*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT MUSSEL ROCK (LWBC # 1401589)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT SARANAC ISLAND (LWBC # 1401590)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

[View Site](#) [View Reference](#)

[View Site](#) [View Reference](#)

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT CONVILLE BAY (LWBC # 1401597)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc 099 - Service Information

Other 000 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT READ ISLAND (LWBC # 1401611)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre / *votre référence*

Our file / *notre référence*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: CREATIVE SALMON COMPANY LTD. EXISTING FINFISH
AQUACULTURE SITE AT INDIAN BAY (LWBC # 1401621)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Creative Salmon Company Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Form 006 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: CREATIVE SALMON COMPANY LTD. EXISTING FINFISH
AQUACULTURE SITE AT EAGLE BAY (LWBC # 1401643)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act* (CEAA), this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Creative Salmon Company Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Other 000 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT DUNSTERVILLE BAY (LWBC # 1401659)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT KOSKIMO BAY (LWBC # 1401722)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Mr. Sisler - service client

Dear Sir - service client

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT LEE'S BAY (LWBC # 1401949)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service à la clientèle

099 - 099 - Service à la clientèle

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT CORMORANT SITE (LWBC # 1401974)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT PORT ELIZABETH (LWBC # 1403104)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Ministère des Pêches et des Océans

Ministère des Pêches et des Océans

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT SONORA POINT (LWBC # 1403144)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Mr. Sisler - Service Environnement

Dear Mr. Sisler - Service Environnement

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: OMEGA PACIFIC HATCHERY INC EXISTING FINFISH
AQUACULTURE SITE AT JANE BAY (LWBC # 1403261)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Omega Pacific Hatchery Inc, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service à la clientèle

099 - 099 - Service à la clientèle

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT RANT POINT (LWBC # 1403262)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre file : [store-reference](#)

Our file : [store-reference](#)

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT VENTURE POINT (LWBC # 1403267)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Other 000 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT DIXON BAY (LWBC # 1403293)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT THURLOW POINT SOUTH (LWBC # 1403300)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 019 - Service Information

Other 006 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT BROUGHAM POINT (LWBC # 1403301)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT BLUNDEN PASS (LWBC # 1403313)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT SARGEAUNT PASS (LWBC # 1403328)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT BAWDEN POINT (LWBC # 1403647)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT MAYNE PASS (LWBC # 1403715)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT MAHATTA EAST (LWBC # 1403748)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Marine Harvest - salmona harrastehard

Dear Mr. Sisler - Kaituma reharastehard

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT CONVILLE POINT (LWBC # 1403859)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

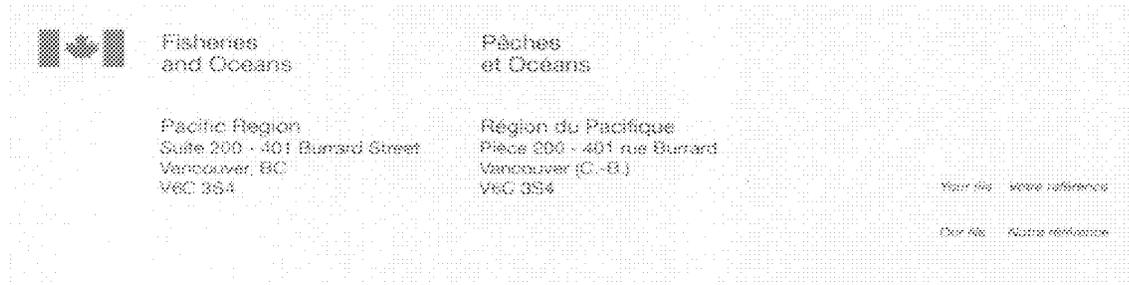
changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT CLIFF BAY (LWBC # 1403929)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Other 006 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT FORTUNE CHANNEL (LWBC # 1403941)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT BARE BLUFF (LWBC # 1403979)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT BEDWELL (EASTSIDE) (LWBC # 1403980)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

[View Site](#) [View Reference](#)

[View Site](#) [View Reference](#)

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT RAYNOR GROUP (LWBC # 1404089)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Other 000 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT SHELTER PASS (LWBC # 1404091)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre *Notre référence*

Our file *Our reference*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT SIR EDMUND BAY (LWBC # 1404179)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT BICKLEY BAY (LWBC # 1404309)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT UPPER RETREAT PASS (LWBC # 1404379)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT MIDSUMMER ISLAND (LWBC # 1404380)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT SWANSON ISLAND (LWBC # 1404381)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT WHIRL&TWIST ISLETS (LWBC # 1404381)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

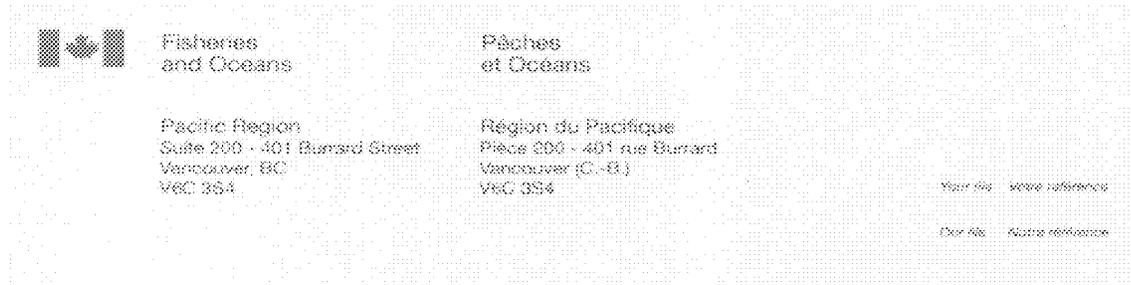
changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT SAN MATEO BAY (LWBC # 1404438)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 010 - Service Information

Other 010 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT ARROW PASSAGE /BONWICK (LWBC # 1404681)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Ministère des Pêches et des Océans

Ministère des Pêches et des Océans

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT BELL ISLAND (LWBC # 1404918)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre *Notre référence*

Our file *Our reference*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT HOHOAE ISLAND (LWBC # 1405003)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Marine Harvest - salmona harrastehard

Marine Harvest - salmona harrastehard

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT AMAI INLET (LWBC # 1405005)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 010 - Service Information

Other 010 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT GLACIER FALLS (LWBC # 1405180)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre Votre référence

Over title Over reference

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT CECIL ISLAND (LWBC # 1405181)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 019 - Service Information

Other 016 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT WICKLOW POINT (LWBC # 1405183)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre Votre référence

Over title Votre référence

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT CHANCELLOR CHANNEL (LWBC # 1405245)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Other 000 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT CYPRESS HARBOUR (LWBC # 1405381)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Mr. Robert Sisler - 604-990-3111

Dear Mr. Sisler - 604-990-3111

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: GRIEG SEAFOOD BC LTD/SKM EXISTING FINFISH
AQUACULTURE SITE AT BARNES BAY (LWBC # 1405542)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Grieg Seafood BC Ltd/SKM, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

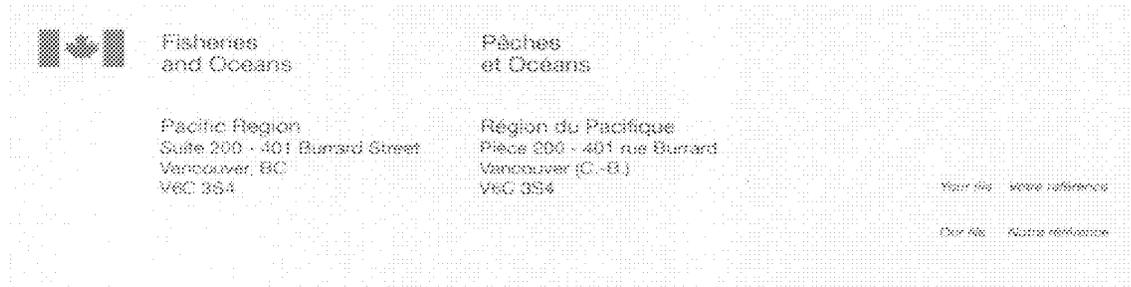
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT MAUDE ISLAND (LWBC # 1405739)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. Info - Autres renseignements

Other Info - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT YOUNG PASS (LWBC # 1405768)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre *Notre référence*

Our file *Our reference*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT ROSS PASSAGE (LWBC # 1405933)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 019 - Service Information

Other 016 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: CREATIVE SALMON COMPANY LTD. EXISTING FINFISH
AQUACULTURE SITE AT BAXTER ISLETS (LWBC # 1405980)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Creative Salmon Company Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc 099 - Service Information

Other 000 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT CYRUS ROCKS (LWBC # 1406292)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

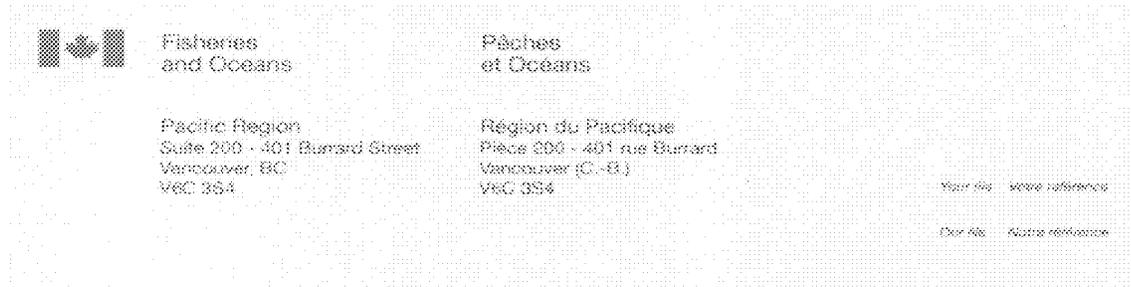
changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT PENNY CREEK (LWBC # 1406618)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

[View Site](#) [View Reference](#)

[View Site](#) [View Reference](#)

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT SHAW POINT (LWBC # 1406628)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Other 006 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT BINNS ISLAND (LWBC # 1406648)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

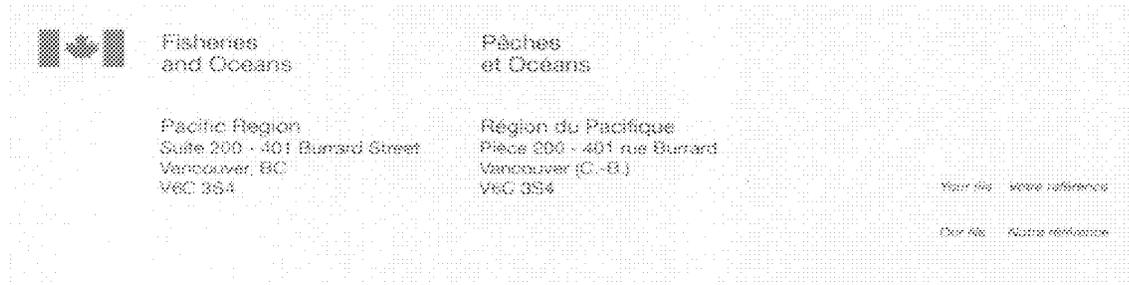
changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT BURDWOOD ISLAND (LWBC # 1406650)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Form 006 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT POTTS BAY (LWBC # 1406655)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Other 006 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT SOUTH SHELTER (LWBC # 1406837)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre *Vostra referencia*

Our file *Nuestra referencia*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT MONDAY ROCKS (LWBC # 1406960)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre / *votre référence*

Our file / *notre référence*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT KOSKIMO BAY (LWBC # 1406961)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Ministère des Pêches et des Océans

Ministère des Pêches et des Océans

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT DOYLE ISLAND (LWBC # 1407325)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Form 006 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT DUNCAN ISLAND (LWBC # 1407326)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 019 - Service Information

Other 016 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT MCINTYRE LAKE (LWBC # 1407342)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT THORPE POINT (LWBC # 1407385)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Morice Hill - Service à la clientèle

1000 Ave. - Clientèle multilingue

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT ALTHORPE POINT (LWBC # 1407426)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT SIMMONDS POINT (LWBC # 1407730)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

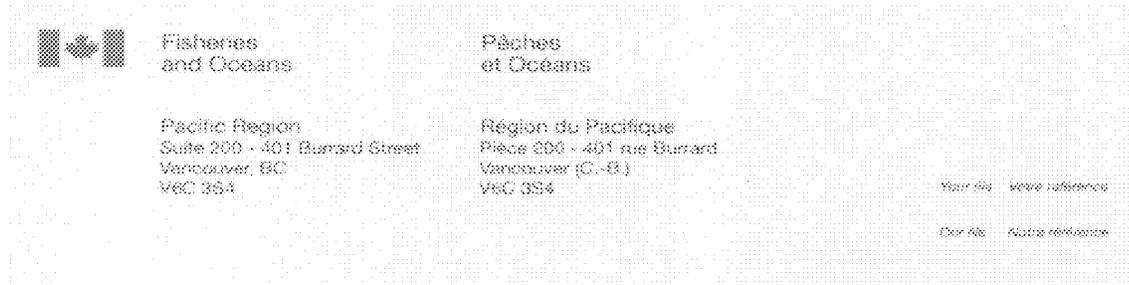
changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT WEHLIS BAY (LWBC # 1407731)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

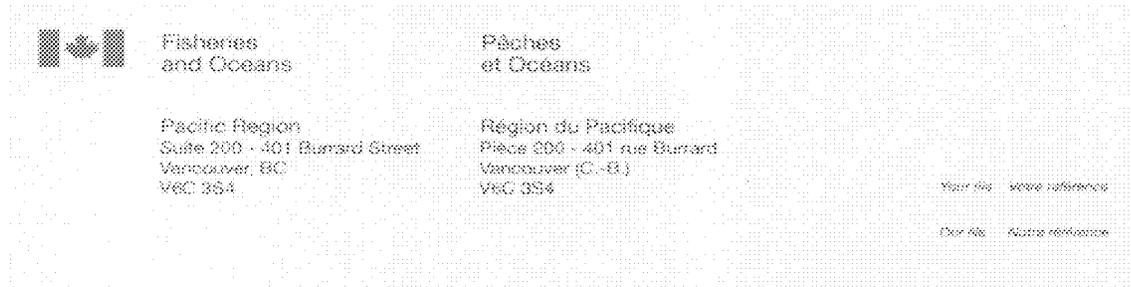
changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT CLEAGH CREEK (LWBC # 1407743)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Other 000 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT SHELTER BAY (LWBC # 1407748)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT BRENT ISLAND (LWBC # 1407983)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: CREATIVE SALMON COMPANY LTD. EXISTING FINFISH
AQUACULTURE SITE AT MCCALL ISLETS (LWBC # 1408125)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Creative Salmon Company Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. file - autres renseignements

Other file - autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT WEST SIDE (LWBC # 1408492)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre Votre référence

Over title Votre référence

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT LARSEN ISLAND (LWBC # 1408560)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre / *votre référence*

Our file / *notre référence*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MAINSTREAM CANADA EXISTING FINFISH AQUACULTURE
SITE AT MILLAR CHANNEL (LWBC # 1408719)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Mainstream Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Other 000 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT CHARLIES PLACE (LWBC # 1409081)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Vous êtes à l'adresse suivante

Vous êtes à l'adresse suivante

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: TARGET MARINE PRODUCTS LLP EXISTING FINFISH
AQUACULTURE SITE AT VANTAGE POINT (LWBC # 2402095)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Target Marine Products LLP, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre / *votre référence*

Our file / *notre référence*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: TARGET MARINE PRODUCTS LLP EXISTING FINFISH
AQUACULTURE SITE AT KUNECHIN PT (SALTEN) (LWBC # 2402424)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Target Marine Products LLP, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre / votre référence

Our file / pièce référence

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: TARGET MARINE PRODUCTS LLP EXISTING FINFISH
AQUACULTURE SITE AT KUNECHIN (LWBC # 2402490)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Target Marine Products LLP, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Form 006 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: TARGET MARINE PRODUCTS LLP EXISTING FINFISH
AQUACULTURE SITE AT SITE 13 (LWBC # 2402591)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Target Marine Products LLP, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Form 006 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: TARGET MARINE PRODUCTS LLP EXISTING FINFISH
AQUACULTURE SITE AT NEWCOMBE (LWBC # 2402738)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Target Marine Products LLP, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre / *votre référence*

Over file / *votre référence*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT GLACIAL CREEK (LWBC # 2402751)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 019 - Service Information

Other 016 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: STOLT SEA FARM LTD. EXISTING FINFISH AQUACULTURE
SITE AT OWEN PT (FREDERICK ARM) (LWBC # 2402924)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Stolt Sea Farm Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

[View Site](#) [View Reference](#)

[View Site](#) [View Reference](#)

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT FREDERICK ARM (LWBC # 2402966)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre *Votre référence*

Over title *Over reference*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT FAR SIDE FREDRICK ARM (LWBC # 2402970)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre / *votre référence*

Our file / *notre référence*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT HOMFRAY CREEK (LWBC # 2403015)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre *À votre référence*

Our file *At your reference*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: HERITAGE SALMON LTD. EXISTING FINFISH AQUACULTURE
SITE AT RAZA ISLAND (LWBC # 2403035)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Heritage Salmon Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEEA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEEA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Ministère des Pêches et des Océans

Ministère des Pêches et des Océans

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT PHILLIPS ARM (LWBC # 2403170)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Ministère des Pêches et des Océans

Ministère des Pêches et des Océans

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: PAN FISH CANADA EXISTING FINFISH AQUACULTURE SITE
AT EGERTON CREEK (LWBC # 2404120)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Pan Fish Canada, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Ministère des Pêches et des Océans

Ministère des Pêches et des Océans

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: MARINE HARVEST EXISTING FINFISH AQUACULTURE SITE
AT LOCALSH BAY (LWBC # 6403484)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Marine Harvest, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

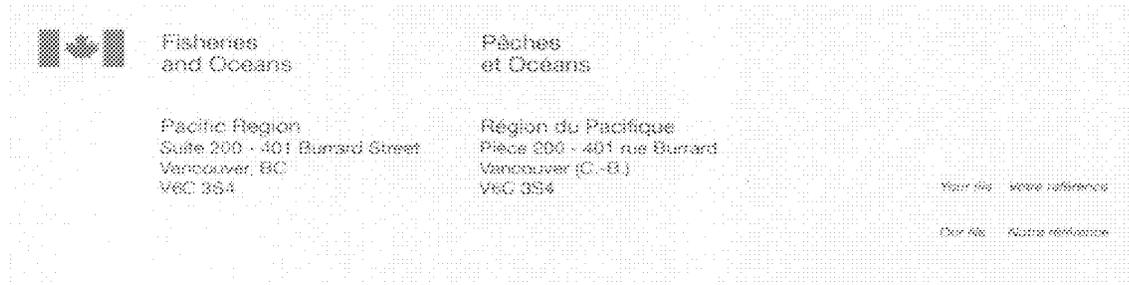
changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: GRIEG SEAFOOD BC LTD EXISTING FINFISH AQUACULTURE
SITE AT HECATE (LWBC # 1404968 SITE 1)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Grieg Seafood BC Ltd, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

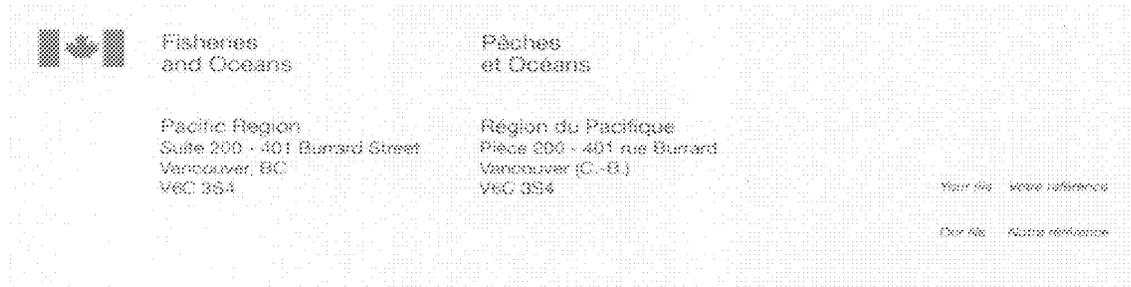
changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: GRIEG SEAFOOD BC LTD EXISTING FINFISH AQUACULTURE
SITE AT LUTES CREEK (LWBC # 1404968 SITE 2)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Grieg Seafood BC Ltd, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.)
V6C 3S4

Votre titre *Votre référence*

Our file *Our reference*

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: GRIEG SEAFOOD BC LTD EXISTING FINFISH AQUACULTURE
SITE AT ESPERANZA (LWBC # 1404969 SITE 1)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Grieg Seafood BC Ltd, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the *BC Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

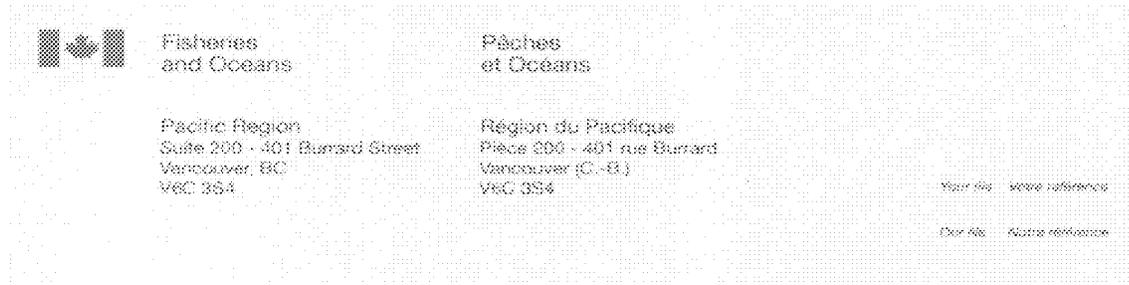
changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: GRIEG SEAFOOD BC LTD EXISTING FINFISH AQUACULTURE
SITE AT STEAMER POINT (LWBC # 1404969 SITE 2)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Grieg Seafood BC Ltd, shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc. that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.
- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those

changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read "A. Thomson", with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division



Fisheries
and Oceans

Pêches
et Océans

Pacific Region
Suite 200 - 401 Burrard Street
Vancouver, BC
V6C 3S4

Région du Pacifique
Pièce 200 - 401 rue Burrard
Vancouver (C.-B.C.)
V6C 3S4

Misc. 099 - Service Information

Other 000 - Autres renseignements

July 19, 2005

Mr. Robert Sisler
Transport Canada
Environmental Services Division
620 - 800 Burrard Street
Vancouver, BC
V6Z 2J8

Dear Mr. Sisler:

**SUBJECT: CREATIVE SALMON COMPANY LTD. EXISTING FINFISH
AQUACULTURE SITE AT MCCA W PENNISULA (LWBC # 1406335)**

Pursuant to our responsibilities as a Federal Authority under Section 12(3) of the *Canadian Environmental Assessment Act (CEAA)*, this letter is to advise you that Fisheries and Oceans – Oceans, Habitat and Enhancement Branch (DFO-OHEB) has completed the review of the above noted application for an existing finfish aquaculture operation. Please be advised that for the identified project, Fisheries and Oceans Canada is not a Responsible Authority as defined by Section 5 of CEAA. The specialist advice expressed below pertains exclusively for the identified project to potential effects on fish and fish habitat.

As such, it is the opinion of DFO-OHEB that the identified project (on-going operation of an existing finfish aquaculture operation), as proposed, is not likely to result in significant adverse effects on fish and fish habitat providing the following mitigation measures are carried out:

1. The proponent, Creative Salmon Company Ltd., shall ensure that all work associated with the subject project complies with the requirements of the *Federal Fisheries Act*, and all other applicable legislation, guidelines, and best management practices.
2. Only those structures applied for in the Commercial Aquaculture Management Plan have been approved. Any additional residences, net washing facilities, etc.

that are required to service this site must be reviewed for effects to fish habitat under separate application.

3. All debris and deleterious materials generated by the proponent shall be collected and disposed of at appropriate upland locations in accordance with all applicable legislation, guidelines, and best management practices.
4. It is understood that by proceeding with the subject works, the proponent and their agent(s) and/or contractor(s) shall have indicated that they understand, accept and have agreed to all conditions. In this regard, a copy of Fisheries and Oceans Canada mitigation measures are to be provided to any contractors prior to work commencing and are to be retained on site at all times when the subject works are underway.
5. The production levels at the site should be carefully monitored and not exceed the production amount modeled by DEPOMOD as of June 7, 2004.
6. All necessary measures must be adopted to prevent the release of cultured fish to the wild.
7. All necessary measures to prevent effects to marine mammals and their habitat must be implemented including minimizing predator attraction.
8. It is suggested that floats be located in 10 m of water or greater at low tide (i.e. at 0 chart datum).
9. Operations should be conducted in such a way to minimize effects from shading on habitat. For this reason, it is suggested that water depth be 10 m from the bottom of all net pens at low tide (i.e. at 0 chart datum).

In addition to the above specific mitigation measures, the following measures will be key in ensuring that any potentially adverse effects on fish and fish habitat will be mitigated:

- Through the BC *Finfish Aquaculture Waste Control Regulation*, all marine finfish sites are subject to provincial management and monitoring requirements. These requirements include monitoring of benthic habitat impacts and set out specific thresholds for impacts and associated corrective measures.
- DFO and the province of BC have reached an agreement to share ongoing monitoring and site management information, to ensure that specific mitigation related to fish and fish habitat is carried out, and to continue to improve joint management of the aquaculture industry.
- The province of BC has committed to applying the DEPOMOD particle tracking model to the existing aquaculture site based on current configurations and production levels. This application of the model will serve to ground-truth the predictions of organic loading that it provides, and will establish a baseline data set for assessing effects of any future changes to the existing operations.

- DFO, the province of BC and industry representatives have agreed that any future changes to site operations must be reported, and that the potential effects of those changes to fish and fish habitat must be assessed and managed in a manner consistent with any new aquaculture site application.

Please accept the foregoing comments as constituting fulfillment of Fisheries and Oceans' obligations under Section 12(3) of CEAA. In order for us to continue on-going management of our responsibilities pursuant to our legislation, we would appreciate receiving a copy of your CEAA screening conclusion.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'A. Thomson', with a long horizontal flourish extending to the right.

Andrew Thomson
A/ Director, Aquaculture Division