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NSARB-2025-001-APP-005

EXB 005b

REPORT ON THE OUTCOMES OF CONSULTATION

Volume 2

AQ#0814x, AQ#1430, AQ#1431

Submission to the Nova Scotia Aquaculture Review Board

Nova Scotia Department of Fisheries and Aquaculture

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APPENDIX F – ENVIRONMENT AND CLIMATE CHANGE CANADA – CANADIAN WILDLIFE SERVICE

From: Winfield, Lynn
Sent: July 15, 2019 11:05 AM
To: 'Angela Smith' <angela.smith@inspection.gc.ca>; shane.hood@inspection.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Morning,

Please see the attached information on the boundary amendment application No. 0814, in Whycocomagh Bay, Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by September 16, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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AQ0814 Network Memo.pdf
Dev Plan.pdf
AQ0814 Network Agency Review Form

NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.2,1 – AQ#0814x Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn

Sent: August 30, 2019 12:42 PM
To: rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: FW: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Afternoon

Please be reminded that our office has not received comments from your Department for the proposed aquaculture site in Whycocomagh Bay, Inverness Co. AQ0814. Your comments are due on or before **September 16, 2019**.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Sent: September 17, 2019 11:28 AM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: Wilhelm, Sabina (EC) <sabina.wilhelm@canada.ca>; Hanson, Al (EC) <al.hanson@canada.ca>
Subject: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.

Hi Lynn,

Environment and Climate Change Canada's Canadian Wildlife Service has reviewed the proposed boundary amendment aquaculture application No. 0814 in Whycocomagh Bay, Inverness County, Nova Scotia, and we have a number of questions related to this application:

- There was no map showing the proposed lease boundaries included in the application submitted for our review. A map, clearly showing the proposed lease boundaries, and including coordinates for each corner of the proposed lease, should be submitted so that we can better review this application.

- It should be clarified how feed and fish mortalities would be made inaccessible to birds and other wildlife.

- It should be clarified whether grow lights are proposed for this lease. Bright lights can cause problems for night migrating birds and night-flying seabirds (e.g. storm-petrels), especially during periods of fog, drizzle, and haze. A powerful pencil of light shining upwards into the fog can appear as a corridor through darkness into which the birds fly. Birds then get killed or injured by flying into the lit object, by flying into the light itself, or by colliding with other birds. For those that don't get killed or injured but flutter in the light pencil for a long period, they may deplete their energy reserves and either die of exhaustion or drop to the ground where they are at risk from predators. In order to avoid impacts on migratory birds, it is recommended that lights be shielded and aimed downwards.

- A "wildlife interaction plan" is mentioned on page 34 of the application, but has not been included with the application. This document should be provided for review.

We will be in a better position to comment on the proposal once the information requested above has been submitted. In the meantime, we have the following comments in the event that the project is ultimately approved:

- Food scraps and other garbage left on beaches and other coastal habitat can artificially enhance the populations of avian and mammalian predators of eggs and chicks of migratory birds. A similar effect could occur if gulls are attracted and have access to excess feed. The proponent should ensure that no litter (including food wastes) is left in coastal areas staff and/or contractors. Also the feed program should be managed to minimize waste, and should include use of tarps to prevent bird access to fish feed.

- Project staff/contractors and vessels should not approach concentrations of seabirds, waterfowl or shorebirds.

- Project staff/contractors should use well muffled vessels.

- Beaches and wetlands are sensitive habitats and proponents should not utilize these habitats for construction, operational or decommissioning activities, with the exception of beach clean-up activities, which should be timed to not coincide with sensitive periods for breeding birds and other wildlife.

- Since even small spills of oil can have very serious effects on migratory birds, every effort should be taken to ensure that no oil spills occur. The proponents should ensure that all precautions are taken by the contractors and staff to prevent fuel leaks from equipment, and that a contingency plan in case of oil spills is prepared.

Applicable Legislation

The *Migratory Birds Convention Act* (MBCA) protects most bird species in Canada however, some families of birds are excluded. A list of species under MBCA protection can be found at https://ec.gc.ca/nature/default.asp?lang=En&n=421B7A9D-1 .

Under Section 6 of the *Migratory Birds Regulations* (MBR), no person shall disturb, destroy or take a nest or egg of a migratory bird; or to be in possession of a live migratory bird, or its carcass, skin, nest or egg, except under authority of a permit. It is important to note that under the current MBR, no permits can be issued for the incidental take of migratory birds caused by development projects or other economic activities. Furthermore, Section 5.1 of the MBCA describes prohibitions related to deposit of substances harmful to migratory birds:

> "5.1 (1) No person or vessel shall deposit a substance that is harmful to migratory birds, or permit such a substance to be deposited, in waters or an area frequented by migratory birds or in a place from which the substance may enter such waters or such an area.
>
> (2) No person or vessel shall deposit a substance or permit a substance to be deposited in any place if the substance, in combination with one or more substances, results in a substance — in waters or an area frequented by migratory birds or in a place from which it may enter such waters or such an area — that is harmful to migratory birds."

It is the responsibility of the proponent to ensure that activities comply with the MBCA and regulations. In fulfilling its responsibility for MBCA compliance, the proponent should take the following points into consideration:

- Information regarding regional nesting periods can be found at https://www.canada.ca/en/environment-climate-change/services/avoiding-harm-migratory-birds/general-nesting-periods.html.. Some species protected under the MBCA may nest outside these timeframes

- Most migratory bird species construct nests in trees (sometimes in tree cavities) and shrubs, but several species nest at ground level (e.g., Common Nighthawk, Killdeer, sandpipers), in hay fields, pastures or in burrows. Some bird species may nest on cliffs or in stockpiles of overburden material from mines or the banks of quarries. Some migratory birds (including certain waterfowl species) may nest in head ponds created by beaver dams. Some migratory birds (e.g., Barn Swallow, Cliff Swallow, Eastern Phoebe) may build their nests on structures such as bridges, ledges or gutters.

- One method frequently used to minimize the risk of destroying bird nests consists of avoiding certain activities, such as clearing, during the regional nesting period for migratory birds.-

- The risk of impacting active nests or birds caring for pre-fledged chicks, discovered during project activities outside the regional nesting period, can be minimized by measures such as the establishment of vegetated buffer zones around nests, and minimization of activities in the immediate area until nesting is complete and chicks have naturally migrated from the area. It is incumbent on the proponent to identify the best approach, based on the circumstances, to complying with the MBCA.

  Further information can be found at https://www.canada.ca/en/environment-climate-change/services/avoiding-harm-migratory-birds.html

The proponent should also be reminded that the prohibitions under the *Species at Risk Act* (SARA) are now in force. The complete text of SARA, including prohibitions, is available at www.sararegistry.gc.ca .

Please do not hesitate to contact me should you have any questions regarding our comments.

Sincerely,

Rachel

From: Winfield, Lynn [mailto:Lynn.Winfield@novascotia.ca]
Sent: Tuesday, September 17, 2019 2:22 PM
To: donalddavis@waycobah.ca; Melissa Rommens
Subject: AQ0814 - Additional Info Required

Good Afternoon,

Please see the attached letter, if you have any questions please let me know.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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NOVA SCOTIA

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

Additional Information
AQ#0814
BN#703649483NS0001

September 17, 2019

We'koqma'q First Nation
Attn: Mr. Donald Davis
PO Box 149 - 150 Reservation Road,
Whycocomagh, NS BOE 3MO

Dear Mr. Davis;

RE: Aquaculture Licence and Lease Application AQ#0814
Located in Whycocomagh Bay, Inverness County

Your aquaculture application is currently in the Network review stage of the application process. Network partners have identified missing or incomplete information from the submitted development plan. If you could please answer the following questions, the review of your application will proceed:

1. It should be clarified how feed and fish mortalities would be made inaccessible to birds and other wildlife.
2. It should be clarified whether grow lights are proposed for this lease. Bright lights can cause problems for night migrating birds and night-flying seabirds (e.g. storm-petrels), especially during periods of fog, drizzle, and haze. A powerful pencil of light shining upwards into the fog can appear as a corridor through darkness into which the birds fly. Birds then get killed or injured by flying into the lit object, by flying into the light itself, or by colliding with other birds. For those that don't get killed or injured but flutter in the light pencil for a long period, they may deplete their energy reserves and either die of exhaustion or drop to the ground where they are at risk from predators. In order to avoid impacts on migratory birds, it is recommended that lights be shielded and aimed downwards.
3. A "wildlife interaction plan" is mentioned on page 34 of the application, but has not been included with the application. Please provide this document for review.

Should you hve any questions please do not hesitate to contact me at 902-875-7440 or by email at Lynn.Winfield@novascotia.ca .

Sincerely,

[redacted]

Lynn Winfield,
Licensing Coordinator

c. NSDFA – Staff
Melissa Rommens

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: September 25, 2019 8:41 AM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: donald <donalddavis@waycobah.ca>; Robin Stuart <robinstuart@ns.sympatico.ca>
Subject: RE: AQ0814 - Additional Info Required

Hello Lynn:
See attached in response to the letter referred to in the e-mail below. If you require a hard copy, please let me know. Be sure to reach out with any additional questions or concerns.

Kind regards,
Melissa


Additional info response 0814 Sept


0814 WIP Excerpts 2019 20 FMP Attachı

WE'KOQMA'Q
PROUD

September 20, 2019
Nova Scotia Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0

Dear Ms. Winfield:

Re: Aquaculture Licence and Lease Application AQ#0814
Located in Whycocomagh Bay, Inverness County, NS

Please accept the following in response to your questions and request for additional information for the above-mentioned application in the letter dated September 17, 2019.

Question:
1.The means for ensuring that feed and fish mortalities would be made inaccessible to birds and other wildlife is described in the Farm Management Plan. This information is reiterated below:

Feed:

- Primary feed storage is located in a large building in the local area that was previously a rink. This has been renovated to ensure its integrity and suitability for this purpose. Feed is delivered directly to this building where it is stored until needed at the site. Pest control for this building is managed by a third party contractor – Abell Pest Control.
- Only one to two days' worth of feed is stored at the shore-based facility that is adjacent to the site. Here it is stored in five steel transport containers that are kept closed unless accessing the feed for immediate use. The amount of feed on site at any one time is limited to the amount that can be safely and properly stored at the site.
- Bags or open containers of feed are not left exposed or uncovered at the site.
- Any feed that is unusable is removed from the site and disposed of at an approved waste management facility.
- The pathway for feed delivery and passage is adequate and kept free of obstacles.
- Feed being fed by blower is enclosed in metal hoppers.
- Accurate records are kept of the amount of feed delivered to the site, stored at the site, fed to the fish, spilled and/or returned unused to the manufacturer.
- Feeding equipment is properly maintained to avoid feed spillage and to ensure the maintenance of the integrity of the pellet (e.g. minimize crushing of the feed pellets).
- A feed spill is managed by:
    - Immediate clean up to minimize the loss of feed into the ocean or attraction of pests.
    - Disposal according to waste management plan.

P.O. Box 149 ◦ 150 Reservation Road ◦ We'koqma'q, Nova Scotia ◦ B0E 3M0
PHONE 902-756-2337 ◦ FAX 902-756-2393 ◦ WEKOQMAQPROUD.CA

WE'KOQMA'Q
PROUD

- Recording of amount of feed spilled (if over 50kg).

Mortalities:

- All mortalities collected during a mortality dive or by other means must be brought to shore for disposal.
- All mort totes and fish boxes containing mortalities must have a lid/cover that is securely fitting, and free from holes and/or cracks.
- If fish totes (Xactic™ totes) are used for mortality containment, the bungs must be secured as to prevent blood water leakage.
- All morts are taken to the Guysborough land fill site for disposal by half ton truck in mort totes/fish boxes that are covered.
- Prior to transport for disposal, mortalities are stored in plastic lined X-actic totes that have a lid/cover that is securely fitting, and are free from holes and/or cracks with secured bungs to prevent leakage. These totes are stored along the driveway, before the office trailer, away from the working area around the wharf.

2. There will not be any grow lights used on this lease.

3. The procedures that make up the *"Wildlife Interaction Plan"* are integrated into the Farm Management Plan (FMP). These have been collated and are attached as the document "WIP Excerpts 2019 20 FMP" (Attachment 1).
If you need additional information or have any questions regarding the above, please contact Melissa Rommens and Robin Stuart.

Sincerely,

[redacted]

Donald Davis,
Chief Operating Officer,
We'koqma'q First Nation.

P.O. Box 149 • 150 Reservation Road • We'koqma'q, Nova Scotia • B0E 3M0
PHONE 902-756-2337 • FAX 902-756-2393 • WEKOQMAQPROUD.CA

Attachment 1: Excerpts from the Farm Management Plan that Form Parts of the Wildlife Interaction Plan

Excerpts from Appendix B of FMP:

Title	**Bird & Predator Deterrent Strategy**
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019

Strategy

- **THE GREATEST PREDATOR PROBLEM IN THE BRAS D'OR, OTHER THAN HUMANS, IS BIRD PREDATION.**
- **THE BEST METHOD TO DEAL WITH BIRDS IS TO REMOVE THE FEED OPPORTUNITY FROM THE SITE.**
- **THIS CAN BE DONE BY COVERING EACH PEN WITH A BIRD NET THAT IS PLACED OVER A FLOATING BIRD STAND LOCATED IN THE CENTRE OF THE PEN.**
- **MESH SIZE HAS TO BE SMALLER THAN THE SMALLEST PREDATOR BIRD WHICH IS USUALLY A SEA GULL, ALTHOUGH IN SOME INSTANCES KINGFISHERS MAY BE BOTHERSOME TO SMALLER FISH(<100G). IF TOO SMALL A MESH IS USED IT WILL BE DIFFICULT TO REMOVE WHEN FISH GET LARGER WITHOUT GILLING THEM.**
- **IT IS VITAL THAT THE NET IS LARGE ENOUGH TO SPAN THE ENTIRE PEN TOP INCLUDING THE BIRD STAND.**
- **MAKE SURE THERE ARE NO HOLES IN THE BIRD NET BEFORE INSTALLATION.**
- **ONE MIGHT CONSIDER USING SMALLER MESH NETS FOR SMALL FISH AND REPLACING WITH LARGER MESH ONCE FISH GROW (>200G).**
- **THERE CAN BE NO GAPS OR LOW SPOTS IN THE BIRD COVER AS HERONS WILL TAKE ADVANTAGE AT NIGHT BY WORKING IN CONCERT TO GET A MEAL BY WEIGHING DOWN THE COVER TO REACH A MEAL. THE COVER MUST BE MADE LARGER THAN THE**

HANDRAIL TO PROVIDE SOME OVERLAP. THE NET SHOULD BE "ZINGING" TIGHT USING THE SHACKLES ON THE STANCHIONS AND ANY EXTRA ROPE REQUIRED.

- TIE THE BIRD STAND WITH AT LEAST THREE ROPES TO CENTRE IT IN THE MIDDLE.
- IT IS ALSO VERY IMPORTANT TO NEVER LEAVE FEED EXPOSED OR UNATTENDED AS THIS MAY ALSO ATTRACT BIRDS.
- SIMILARLY, MORTS AND OTHER ORGANICS MUST ALSO BE CONTAINED IMMEDIATELY.
- IN UNUSUAL CIRCUMSTANCES THE CANADIAN WILDLIFE SERVICE WILL ISSUE A PERMIT TO SHOOT PROBLEM BIRDS SUCH AS CORMORANTS, GULL, OR HERONS - BUT THEY USUALLY WANT THE BODIES KEPT IN THE FREEZER FOR GUT INSPECTION. THIS IS A LAST CASE SCENARIO AS REMOVING THE OPPORTUNITY TO GET FOOD IS THE BEST REMEDY.
- A NEW SYSTEM CALLED: BIRD AWAY HAWK SYSTEM HAS PROVEN TO BE EXTREMELY EFFECTIVE TO SCARE BIRDS SUCH AS CORMORANTS AND SEA GULLS BY AN IMITATION HAWK FLYING. THE PLAN IS TO USE THIS ON THE WHARF DURING OVERWINTERING. IT IS QUIET AND UNOBTRUSIVE.
- NO PREDATOR NETS HAVE BEEN REQUIRED IN THE BRAS D'OR AS THERE HAVE BEEN NO RECORDED BREACHES OF NETS BY SEALS IN 40 YEARS
- ALTHOUGH NOT SEEN IN WHYCOCOMAGH, PREDATORS SUCH AS OTTERS & MINK CAN BE FOUND. THEY CAN BE CAUGHT USING BAITED LIVE TRAPS AND TAKEN TO REMOTE LOCATIONS.
- REMOVAL OF MORTS REGULARLY PREVENTS PREDATORS SUCH AS COD, EELS, STRIPED BASS, ETC. FROM TRYING TO CHEW THROUGH THE NET.
- IN ORDER TO FURTHER REDUCE THE INCIDENCE OF INTERACTION WITH WILDLIFE, BOAT TRAVEL TO AND FROM THE CAGES TO BE WORKED WILL BE VIA THE MOST DIRECT ROUTE POSSIBLE, RESPECTING ANY SPECIAL REQUIREMENTS INSTITUTED FOR BIOSECURITY CONCERNS. MOST IMPORTANTLY, APPROACH OF THE SHORE OR OTHER WILDLIFE HABITAT AND WILDLIFE ITSELF WILL BE AVOIDED AS MUCH AS FEASIBLE.
- A RECORD OF ANIMAL INTERACTIONS IS KEPT TO HELP IMPROVE PROCEDURES TO REDUCE INTERACTIONS IN THE FUTURE.

Title	Pest Management Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019

Strategy

- **RODENTS ARE THE BIGGEST PEST PROBLEM FOR BOTH STORED FOOD AND NETS**
- **THE MAJORITY OF THE FEED IS STORED AT THE RINK WHICH HAS A PEST CONTROL CONTRACT WITH ABELL PEST CONTROL.**
- **THE CONTAINERS IN WHICH THE FEED ARE STORED ADJACENT TO THE SITE ARE STEEL, SEALED AND RODENT PROOF AS WELL AS WEATHER PROOF AS LONG AS THE DOORS ARE CLOSED AT ALL TIMES.**
- **NETS ARE ALSO STORED AT THE RINK.**
- **FEED THAT IS ON THE FEED BARGE DURING A PERIOD LONGER THAN AN HOUR SHOULD BE TARPED TO PREVENT BIRDS PECKING HOLES IN THE BAGS.**
- **ALL OLD FEED IS PLACED IN STEEL GARBAGE CONTAINERS WITHIN PLASTIC BAGS TO PREVENT ATTRACTING PESTS OR IN DYNAPLAST TUBS FOR DISPOSAL.**
- **SITE CLEANUP IS SCHEDULED FOR ONCE A WEEK TO PICK UP ANY GARBAGE INCLUDING FOULING ORGANISMS AND FEED.**
- **OCCASIONALLY DURING UNLOADING OF FEED, BAGS GET BROKEN. IN THESE CIRCUMSTANCES FEED IS PICKED UP AND PLACED IN CONTAINERS WHICH ARE PLACED IN SIDE THE FEED CONTAINERS UNTIL USED OR DISPOSED OF.**

Other excerpts from main body of FMP:

Regarding use of bird nets:

6.3 Equipment Maintenance

6.3.3 Bird nets

Bird nets must be inspected regularly for holes, areas of weakness or damage. Their condition should be observed daily. Bird nets will be formally inspected weekly according to the weekly above water inspection schedule described in 6.4.1.

Issues with bird nets will be repaired and records will be kept regarding location of repair, date damage observed, date of repair, and the person who performed the repair. The reason for the issue will be determined and fixed as soon as possible (e.g. chafing, other).

**(Records kept include: Weekly Surface Inspection Checklist, Net Maintenance Record)*

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: September 25, 2019 9:10 AM
To: Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Cc: Wilhelm, Sabina (EC) <sabina.wilhelm@canada.ca>; Hanson, Al (EC) <al.hanson@canada.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.

Good Morning Rachel,

Further to your E-mail of September 17, 2019, please see the attached information in response to your request for additional information.

Can you please review this information and provide a response?

If you have any additional questions please do not hesitate to let me know.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

Additional info response 0814 Sept

0814 WIP Excerpts 2019 20 FMP Attachı

NOTE: Please refer to correspondence above (see September 25, 2019) for the attachment in this email.

From: Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Sent: October 3, 2019 12:02 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: Hanson, Al (EC) <al.hanson@canada.ca>; Wilhelm, Sabina (EC) <sabina.wilhelm@canada.ca>
Subject: RE: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.

Hello,

Environment and Climate Change Canada's Canadian Wildlife Service has reviewed the additional information, and we still cannot provided site-specific comments since we have not yet been provided a map showing the proposed lease boundaries. A map, clearly showing the proposed lease boundaries, and including coordinates for each corner of the proposed lease, should be submitted so that we can better review this application.

We have no additional comments regarding bullets #2,3 and 4 of our September 17, 2019 email, other than the fact that cormorants are not protected under the *Migratory Birds Convention Act* (MBCA). Therefore, the proponent should contact provincial wildlife biologists in the event that cormorants became a problem at the aquaculture site.

Sincerely,

Rachel

Rachel Gautreau

Coordinator, Environmental Assessment / Canadian Wildlife Service
Environment and Climate Change Canada / Government of Canada
rachel.gautreau@canada.ca / +1-506-364-5028

Coordinatrice, Évaluations environnementales / Service canadien de la faune
Environnement et Changement climatique Canada / Gouvernement du Canada
rachel.gautreau@canada.ca / +1-506-364-5028

From: Winfield, Lynn
Sent: October 3, 2019 12:11 PM
To: Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Cc: Hanson, Al (EC) <al.hanson@canada.ca>; Wilhelm, Sabina (EC) <sabina.wilhelm@canada.ca>
Subject: RE: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.

Hi Rachel,

Please see the attached Schedule "A" (maps) for site AQ0814

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture



Schedule_A_0814x.pdf

NOTE: Please refer to the Application Package, Volume 2, Section 4.1.1 – AQ#0814x Application Form (2019) for the Schedule A maps attached in this email.

From: Winfield, Lynn
Sent: October 29, 2019 4:03 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1430, in Whycocomagh Bay (North Aberdeen), Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website
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NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.2 – AQ#1430 Application Form (2019), Section 4.2.2 – AQ#1430 Development Plan (2019), Section 4.2.4 – Development Plan Appendices (2019) and Section 4.3 – Additional Information Requests and Responses (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn
Sent: October 29, 2019 4:14 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: South Aberdeen, Whycobah Bay - AQ1431 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1431, in Whycocomagh Bay (South Aberdeen), Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by December 28, 2019.

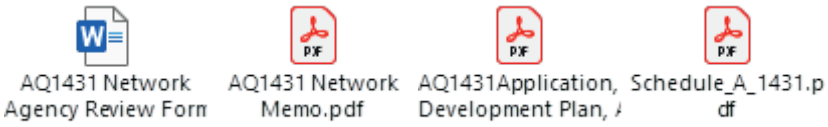
Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.3 – AQ#1431 Application Form (2019), Section 4.2.3 – AQ#1431 Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn
Sent: November 25, 2019 12:21 PM
To: Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Cc: Hanson, Al (EC) <al.hanson@canada.ca>; Wilhelm, Sabina (EC) <sabina.wilhelm@canada.ca>
Subject: RE: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.

Hi Rachel,

Can you please advise if I have provided all the information you require?

Are your comments complete?

Thanks,

Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: December 18, 2019 12:34 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: RE: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1430 for We'koqma'q First Nations in Whycocomagh Bay (North Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Winfield, Lynn
Sent: December 18, 2019 12:36 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: South Aberdeen Whycobah Bay AQ1431 Wekoqmaq First Nation New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1431 for We'koqma'q First Nations in Whycocomagh Bay (South Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Sent: January 3, 2020 2:00 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: Mailhiot, Joshua (EC) <joshua.mailhiot@canada.ca>; Hanson, Al (EC) <al.hanson@canada.ca>; Knaga, Paul (EC) <paul.knaga@canada.ca>; Worthman, Sydney (EC) <sydney.worthman@canada.ca>
Subject: New Aquaculture Licence and Lease Application No. 1430 - Inverness County, Nova Scotia

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Hi Lynn,

Environment and Climate Change Canada's Canadian Wildlife Service (CWS) has reviewed the proposed new aquaculture licence and lease application No. 1430 for marine finfish cage cultivation of rainbow trout in North Aberdeen, Whycocomagh Bay, Inverness County, Nova Scotia, and we have the following comments:

- On page 38, it is stated that "A wildlife interaction plan must be described in an operator's Farm Management Plan as defined by the Nova Scotia Aquaculture Management Regulations. It must be approved for implementation by NSDFA…" Neither the wildlife interaction plan nor the Farm Management Plan were submitted for review. If forwarded to us, we would be happy to review the wildlife interaction plan, or the mitigation/monitoring measures to be included in such a plan.

- It should be clarified whether grow lights are proposed for this site. Bright lights can cause problems for night migrating birds and night-flying seabirds (e.g. storm-petrels), especially during periods of fog, drizzle, and haze. A powerful pencil of light shining upwards into the fog can appear as a corridor through darkness into which the birds fly. Birds then get killed or injured by flying into the lit object, by flying into the light itself, or by colliding with other birds. For those that don't get killed or injured but flutter in the light pencil for a long period, they may deplete their energy reserves and either die of exhaustion or drop to the ground where they are at risk from predators. In order to avoid impacts on migratory birds, it is recommended that lights be shielded and aimed downwards.

- The proponent should clarify its measures to deal with migratory birds that are potential predators of fish, keeping in mind its obligations under the *Migratory Birds Convention Act* and associated regulations.

- The proponent should clarify whether any measures are proposed to avoid bird entanglements with nets (i.e. keeping bird nets tight and free of slack). The proponent should also prepare a clear plan for site workers to implement in the event that birds get entangled despite these measures or pass through the predator net and not be able to get back out.

We will be in a better position to comment on the proposal once the information requested above has been submitted. In the meantime, we have the following comments in the event that the project is ultimately approved:

- Food scraps and other garbage left on beaches and other coastal habitat can artificially enhance the populations of avian and mammalian predators of eggs and chicks of migratory birds. A similar effect could occur if gulls are attracted and have access to excess feed. The proponent should ensure that no litter (including food wastes) is left in coastal areas staff and/or contractors. Also the feed program should be managed to minimize waste, and should include use of tarps to prevent bird access to fish feed.

- Project staff/contractors and vessels should not approach concentrations of seabirds, waterfowl or shorebirds.

- Project staff/contractors should use well muffled vessels and machinery.

- Beaches and wetlands are sensitive habitats and proponents should not utilize these habitats for construction, operational or decommissioning activities, with the exception of beach clean-up activities, which should be timed to not coincide with sensitive periods for breeding birds and other wildlife.

- Since even small spills of oil can have very serious effects on migratory birds, every effort should be taken to ensure that no oil spills occur. The proponents should ensure that all precautions are taken by the contractors and staff to prevent fuel leaks from equipment, and that a contingency plan in case of oil spills is prepared.

Applicable Legislation

The *Migratory Birds Convention Act* (MBCA) protects most bird species in Canada however, some families of birds are excluded. A list of species under MBCA protection can be found at https://www.canada.ca/en/environment-climate-change/services/migratory-birds-legal-protection/list.html .

Under Section 6 of the *Migratory Birds Regulations* (MBR), no person shall disturb, destroy or take a nest or egg of a migratory bird; or to be in possession of a live migratory bird, or its carcass, skin, nest or egg, except under authority of a permit. It is important to note that under the current MBR, no permits can be issued for the incidental take of migratory birds caused by development projects or other economic activities. Furthermore, Section 5.1 of the MBCA describes prohibitions related to deposit of substances harmful to migratory birds:

> "5.1 (1) No person or vessel shall deposit a substance that is harmful to migratory birds, or permit such a substance to be deposited, in waters or an area frequented by migratory birds or in a place from which the substance may enter such waters or such an area.
>
> (2) No person or vessel shall deposit a substance or permit a substance to be deposited in any place if the substance, in combination with one or more substances, results in a substance — in waters or an area frequented by migratory birds or in a place from which it may enter such waters or such an area — that is harmful to migratory birds."

It is the responsibility of the proponent to ensure that activities comply with the MBCA and regulations. In fulfilling its responsibility for MBCA compliance, the proponent should take the following points into consideration:

- Information regarding regional nesting periods can be found at https://www.canada.ca/en/environment-climate-change/services/avoiding-harm-migratory-birds/general-nesting-periods.html.. Some species protected under the MBCA may nest outside these timeframes

- Most migratory bird species construct nests in trees (sometimes in tree cavities) and shrubs, but several species nest at ground level (e.g., Common Nighthawk, Killdeer, sandpipers), in hay fields, pastures or in burrows. Some bird species may nest on cliffs or in stockpiles of overburden material from mines or the banks of quarries. Some migratory birds (including certain waterfowl species) may nest in head ponds created by beaver dams. Some migratory birds (e.g., Barn Swallow, Cliff Swallow, Eastern Phoebe) may build their nests on structures such as bridges, ledges or gutters.

- One method frequently used to minimize the risk of destroying bird nests consists of avoiding certain activities, such as clearing, during the regional nesting period for migratory birds.-

- The risk of impacting active nests or birds caring for pre-fledged chicks, discovered during project activities outside the regional nesting period, can be minimized by measures such as the establishment of vegetated buffer zones around nests, and minimization of activities in the immediate area until nesting is complete and chicks have naturally migrated from the area. It is incumbent on the proponent to identify the best approach, based on the circumstances, to complying with the MBCA.

  Further information can be found at https://www.canada.ca/en/environment-climate-change/services/avoiding-harm-migratory-birds.html

The proponent should also be reminded that the prohibitions under the *Species at Risk Act* (SARA) are now in force. The complete text of SARA, including prohibitions, is available at www.sararegistry.gc.ca .

Please don't hesitate to contact me should you have any questions regarding our comments.

Sincerely,

Rachel

From: Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Sent: January 6, 2020 1:37 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: Mailhiot, Joshua (EC) <joshua.mailhiot@canada.ca>; Hanson, Al (EC) <al.hanson@canada.ca>
Subject: New Aquaculture Licence and Lease Application No1431 Inverness County Nova Scotia

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Hi Lynn,

Environment and Climate Change Canada's Canadian Wildlife Service (CWS) has reviewed the proposed new aquaculture licence and lease application No. 1431 for marine finfish cage cultivation of rainbow trout in South Aberdeen, Whycocomagh Bay, Inverness County, Nova Scotia, and we have the following comments:

- On page 34, it is stated that "CEPI, 2006 also mentioned barrows goldeneye which have been seen near Whycocomagh Bay shore…" This species is not further mentioned in the report.

  Barrow's Goldeneye is a migratory bird listed on Schedule 1 of the *Species at Risk Act*. The species is designated Special Concern by the Committee on the Status of Endangered Wildlife in Canada.

  The proponent should therefore ensure that contractors and staff are aware of the possibility of theis species at risk occurring in the area, and that aquaculture staff and equipment not approach Barrow's Goldeneyes.

- On page 38, it is stated that "A wildlife interaction plan must be described in an operator's Farm Management Plan as defined by the Nova Scotia Aquaculture Management Regulations. It must be approved for implementation by NSDFA…" Neither the wildlife interaction plan nor the Farm

Management Plan were submitted for review. If forwarded to us, we would be happy to review the wildlife interaction plan, or the mitigation/monitoring measures to be included in such a plan.

- It should be clarified whether grow lights are proposed for this site. Bright lights can cause problems for night migrating birds and night-flying seabirds (e.g. storm-petrels), especially during periods of fog, drizzle, and haze. A powerful pencil of light shining upwards into the fog can appear as a corridor through darkness into which the birds fly. Birds then get killed or injured by flying into the lit object, by flying into the light itself, or by colliding with other birds. For those that don't get killed or injured but flutter in the light pencil for a long period, they may deplete their energy reserves and either die of exhaustion or drop to the ground where they are at risk from predators. In order to avoid impacts on migratory birds, it is recommended that lights be shielded and aimed downwards.

- The proponent should clarify its measures to deal with migratory birds that are potential predators of fish, keeping in mind its obligations under the *Migratory Birds Convention Act* and associated regulations.

- The proponent should clarify whether any measures are proposed to avoid bird entanglements with nets (i.e. keeping bird nets tight and free of slack). The proponent should also prepare a clear plan for site workers to implement in the event that birds get entangled despite these measures or pass through the predator net and not be able to get back out.

We will be in a better position to comment on the proposal once the information requested above has been submitted. In the meantime, we have the following comments in the event that the project is ultimately approved:

- Food scraps and other garbage left on beaches and other coastal habitat can artificially enhance the populations of avian and mammalian predators of eggs and chicks of migratory birds. A similar effect could occur if gulls are attracted and have access to excess feed. The proponent should ensure that no litter (including food wastes) is left in coastal areas staff and/or contractors. Also the feed program should be managed to minimize waste, and should include use of tarps to prevent bird access to fish feed.

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- Project staff/contractors should use well muffled vessels and machinery.

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- Since even small spills of oil can have very serious effects on migratory birds, every effort should be taken to ensure that no oil spills occur. The proponents should ensure that all precautions are taken by the contractors and staff to prevent fuel leaks from equipment, and that a contingency plan in case of oil spills is prepared.

Applicable Legislation

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Under Section 6 of the *Migratory Birds Regulations* (MBR), no person shall disturb, destroy or take a nest or egg of a migratory bird; or to be in possession of a live migratory bird, or its carcass, skin, nest or egg, except under authority of a permit. It is important to note that under the current MBR, no permits can be issued for the incidental take of migratory birds caused by development projects or other economic activities.

Furthermore, Section 5.1 of the MBCA describes prohibitions related to deposit of substances harmful to migratory birds:

> "5.1 (1) No person or vessel shall deposit a substance that is harmful to migratory birds, or permit such a substance to be deposited, in waters or an area frequented by migratory birds or in a place from which the substance may enter such waters or such an area.
>
> (2) No person or vessel shall deposit a substance or permit a substance to be deposited in any place if the substance, in combination with one or more substances, results in a substance — in waters or an area frequented by migratory birds or in a place from which it may enter such waters or such an area — that is harmful to migratory birds."

It is the responsibility of the proponent to ensure that activities comply with the MBCA and regulations. In fulfilling its responsibility for MBCA compliance, the proponent should take the following points into consideration:

- Information regarding regional nesting periods can be found at https://www.canada.ca/en/environment-climate-change/services/avoiding-harm-migratory-birds/general-nesting-periods.html.. Some species protected under the MBCA may nest outside these timeframes

- Most migratory bird species construct nests in trees (sometimes in tree cavities) and shrubs, but several species nest at ground level (e.g., Common Nighthawk, Killdeer, sandpipers), in hay fields, pastures or in burrows. Some bird species may nest on cliffs or in stockpiles of overburden material from mines or the banks of quarries. Some migratory birds (including certain waterfowl species) may nest in head ponds created by beaver dams. Some migratory birds (e.g., Barn Swallow, Cliff Swallow, Eastern Phoebe) may build their nests on structures such as bridges, ledges or gutters.

- One method frequently used to minimize the risk of destroying bird nests consists of avoiding certain activities, such as clearing, during the regional nesting period for migratory birds.

- The risk of impacting active nests or birds caring for pre-fledged chicks, discovered during project activities outside the regional nesting period, can be minimized by measures such as the establishment of vegetated buffer zones around nests, and minimization of activities in the immediate area until nesting is complete and chicks have naturally migrated from the area. It is incumbent on the proponent to identify the best approach, based on the circumstances, to complying with the MBCA.

  Further information can be found at https://www.canada.ca/en/environment-climate-change/services/avoiding-harm-migratory-birds.html

The proponent should also be reminded that the prohibitions under the *Species at Risk Act* (SARA) are now in force. The complete text of SARA, including prohibitions, is available at www.sararegistry.gc.ca .

Please don't hesitate to contact me should you have any questions regarding our comments.

Sincerely,

Rachel

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: January 13, 2020 3:18 PM
To: Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Cc: Hanson, Al (EC) <al.hanson@canada.ca>; Wilhelm, Sabina (EC) <sabina.wilhelm@canada.ca>
Subject: RE: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.

Hi Rachel,

Can you please advise if you have any additional comments for this Boundary Amendment for AQ0814?

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Wilhelm, Sabina (EC) <sabina.wilhelm@canada.ca>
Sent: January 14, 2020 11:26 AM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Cc: Hanson, Al (EC) <al.hanson@canada.ca>
Subject: RE: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.

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Hi Lynn,
I check with Rachel, and she said that she does not have any additional comments.
Cheers,
Sabina

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 10:24 AM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: Discussion regarding AQ 1430, 1431

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Hello Robert:
I am wondering if we can arrange a call to discuss the lease applications for AQ 1430, 1431. We'koqma'q has learned some things in the past year of working the experimental site (AQ 5010) and we'd like to apply that knowledge to the lease applications.

Please let me know if/when this would be possible.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980

Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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From: Ceschiutti, Robert [mailto:Robert.Ceschiutti@novascotia.ca]
Sent: Monday, July 13, 2020 12:02 PM
To: Melissa Rommens
Cc: Feehan, Jennifer; Winfield, Lynn; donald
Subject: RE: Discussion regarding AQ 1430, 1431

Hi Melissa, sounds good. I'll find out who else on our team would like to join the call, which will help determine when we can arrange the meeting. I should have a reply for you by tomorrow afternoon.

Regards,
Robert Ceschiutti
Manager, Licensing and Leasing
NS Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
Phone: 902-875-7430
Cell: 902-874-0996
Robert.Ceschiutti@novascotia.ca

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 12:31 PM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Subject: RE: Discussion regarding AQ 1430, 1431

Thank you Robert.
Melissa

NOTE: Please refer to correspondence in Appendix B for the July 23, 2020 Meeting Invitation.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: September 9, 2020 12:07 PM
To: Aquaculture <Aquaculture@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: donald <donalddavis@waycobah.ca>
Subject: Changes to applications for AQ 1430 and 1431

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Please find attached a formal request for production plan changes to the applications for AQ 1430 and 1431. Please be sure to reach out with questions or concerns.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Revisions to 1430 1431.pdf

NOTE: Please refer to the Application Package, Volume 2, Section 4.4 – Development Plan Revisions AQ#1430 and AQ#1431 (2020), for the attachment in this email.

From: Greenwood, Megan N
Sent: March 29, 2021 1:54 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1430 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1430 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in North Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo-Amended Pla

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by Network, and the Application Package, Volume 2, Section 4.4 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Greenwood, Megan N
Sent: March 29, 2021 3:52 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1431 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1431 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in South Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo Amended Plar

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by Network, and the Application Package, Volume 2, Section 4.4 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Feehan, Jennifer
Sent: March 29, 2021 4:27 PM
To: 'donald' <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: Network Comments AQ#1430 & 1431

Hi Donald and Melissa,

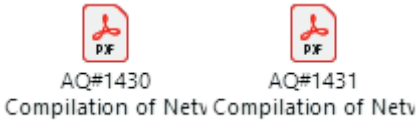
Please be advised that the amended development plans with revised production plans and cage configuration for AQ#1430 and AQ#1431 have been sent to Network for review.

I have attached a compilation of network comments received to date based on the original development plans. Network may have additional questions or comments pending review of the amended plans. You may begin preparing any required responses as per the comments to date, and we will be in touch when final comments or questions from Network have been submitted.

Please do not hesitate to reach out if you have any questions.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca



NOTE: Please refer to Appendix N for the Compilation of Network Comments for AQ#1430 and AQ#1431 up to March 29, 2021, attached in this email.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 30, 2021 9:47 AM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1430 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include to template form for comment.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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avez reçu ce message par erreur, veuillez en informer l'expéditeur sur-le-champ, par téléphone ou par courriel. Merci.



NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 30, 2021 9:49 AM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1431 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include the template in the original email.

Megan Greenwood
Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429
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NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: April 21, 2021 2:22 PM

To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: Network Comments AQ#1430 & 1431

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Exercise caution when opening attachments or clicking on links / Faites preuve de prudence si vous ouvrez une pièce jointe ou cliquez sur un lien

Hello Jennifer:
Find attached responses to network comments you had received as of March 29, 2020 for AQ 1430 and AQ 1431.
Please let us know if a different kind of formatting for responses is preferred.
Just reach out with questions or concerns.
Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Response to Network Comments
Response to Network Comments

NOTE: Please refer to correspondence in Appendix B dated April 21, 2021, for the complete documents attached in this email. The proponent's responses specific to ECCC-CWS are attached below for reference.

Response to network comments AQ # 1430 (North Aberdeen)

Network Comments, as received March 29, 2021

3. ECCC, CWS; Jan. 3, 2020:

- On page 38, it is stated that "A wildlife interaction plan must be described in an operator's Farm Management Plan as defined by the Nova Scotia Aquaculture Management Regulations. It must be approved for implementation by NSDFA..." Neither the wildlife interaction plan nor the Farm Management Plan were submitted for review. If forwarded to us, we would be happy to review the wildlife interaction plan, or the mitigation/monitoring measures to be included in such a plan.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

- It should be clarified whether grow lights are proposed for this site. Bright lights can cause problems for night migrating birds and night-flying seabirds (e.g. storm-petrels), especially during periods of fog, drizzle, and haze. A powerful pencil of light shining upwards into the fog can appear as a corridor through darkness into which the birds fly. Birds then get killed or injured by flying into the lit object, by flying into the light itself, or by colliding with other birds. For those that don't get killed or injured but flutter in the light pencil for a long period, they may deplete their energy reserves and either die of exhaustion or drop to the ground where they are at risk from predators. In order to avoid impacts on migratory birds, it is recommended that lights be shielded and aimed downwards.

No grow lights will be used at the site.

- The proponent should clarify its measures to deal with migratory birds that are potential predators of fish, keeping in mind its obligations under the *Migratory Birds Convention Act* and associated regulations.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

- The proponent should clarify whether any measures are proposed to avoid bird entanglements with nets (i.e. keeping bird nets tight and free of slack). The proponent should also prepare a clear plan for site workers to implement in the event that birds get entangled despite these measures or pass through the predator net and not be able to get back out.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

There is no written plan for bird entanglement. Guidance on this would be appreciated.

We will be in a better position to comment on the proposal once the information requested above has been submitted. In the meantime, we have the following comments in the event that the project is ultimately approved:

- Food scraps and other garbage left on beaches and other coastal habitat can artificially enhance the populations of avian and mammalian predators of eggs and chicks of migratory birds. A similar effect could occur if gulls are attracted and have access to excess feed. The proponent should ensure that no litter (including food wastes) is left in coastal areas staff and/or contractors. Also the feed program should be managed to minimize waste, and should include use of tarps to prevent bird access to fish feed.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan and include feed management measures.

Also note the following:

Operational waste will be collected and contained in sealed containers as it is generated. A weekly grounds inspection, complete with checklist, will promote the timely collection and disposal of the waste.

- Project staff/contractors and vessels should not approach concentrations of seabirds, waterfowl or shorebirds.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan and include statements that describe avoidance of the shore or other wildlife habitat and wildlife itself.

- Project staff/contractors should use well muffled vessels and machinery.

As extracted from the Farm Management Plan:

Noise produced at the site is minimized through proper and timely maintenance of equipment and machinery and the use of mufflers or noise reduction devices, where appropriate.

Beaches and wetlands are sensitive habitats and proponents should not utilize these habitats for construction, operational or decommissioning activities, with the exception of beach clean-up activities, which should be timed to not coincide with sensitive periods for breeding birds and other wildlife.

There are two shore side locations that are used in operations, construction, and decommissioning activities. These locations include a main shore-based area which consists of two existing wharves with an adjoining parking lot, building and storage trailers, and a second maintained area adjacent to the lake on reserve land which is used for assembling or decommissioning cages and pulling them into or out of the water. This area used for cage construction/decommissioning is neither a wetland nor a beach. Once assembled, the cages are pulled over the intertidal area into the water using a lake-based vessel. The shortest path over the intertidal area is used to reduce impacts. In this area, the water gets deep enough to float the cages almost immediately. For cage disassembly, the reverse process occurs in this same area.

Since even small spills of oil can have very serious effects on migratory birds, every effort should be taken to ensure that no oil spills occur. The proponents should ensure that all precautions are taken by the contractors and staff to prevent fuel leaks from equipment, and that a contingency plan in case of oil spills is prepared.

As extracted from the Farm Management Plan:

Spills are minimized by ensuring that the amount kept on site at any one time will be limited to the amount that will be used within a reasonable timeframe and is able to be safely and properly stored at the site. Only appropriate lubricant and chemical storage receptacles will be used.

Waste oil is brought to the processing plant (secure land-based location) for temporary storage until it can be taken for disposal at a receiving facility.

A clean up and containment kit is available which will be used to deal with a spill according to its required procedures.

Reporting to the Department of Environment will occur to report a spill or release of a hazardous substance if it may potentially cause an adverse effect. Tel # 1 800 565-1633

Response to network comments AQ # 1431 (South Aberdeen)

Network Comments, as received March 29, 2021

3. ECCC, CWS; Jan. 6, 2020:

- On page 34, it is stated that "CEPI, 2006 also mentioned barrows goldeneye which have been seen near Whycocomagh Bay shore..." This species is not further mentioned in the report. Barrow's Goldeneye is a migratory bird listed on Schedule 1 of the Species at Risk Act. The species is designated Special Concern by the Committee on the Status of Endangered Wildlife in Canada. The proponent should therefore ensure that contractors and staff are aware of the possibility of this species at risk occurring in the area, and that aquaculture staff and equipment not approach Barrow's Goldeneyes.

The significance of this species at risk will be communicated to staff and contractors. Also, see the Bird & Predator Deterrence Strategy attached as Appendix A. This has been extracted from the Farm Management Plan and includes statements that describe avoidance of the shore or other wildlife habitat and wildlife itself.

- On page 38, it is stated that "A wildlife interaction plan must be described in an operator's Farm Management Plan as defined by the Nova Scotia Aquaculture Management Regulations. It must be approved for implementation by NSDFA..." Neither the wildlife interaction plan nor the Farm Management Plan were submitted for review. If forwarded to us, we would be happy to review the wildlife interaction plan, or the mitigation/monitoring measures to be included in such a plan.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

- It should be clarified whether grow lights are proposed for this site. Bright lights can cause problems for night migrating birds and night-flying seabirds (e.g. storm-petrels), especially during periods of fog, drizzle, and haze. A powerful pencil of light shining upwards into the fog can appear as a corridor through darkness into which the birds fly. Birds then get killed or injured by flying into the lit object, by flying into the light itself, or by colliding with other birds. For those that don't get killed or injured but flutter in the light pencil for a long period, they may deplete their energy reserves and either die of exhaustion or drop to the ground where they are at risk from predators. In order to avoid impacts on migratory birds, it is recommended that lights be shielded and aimed downwards.

No grow lights will be used at the site.

- The proponent should clarify its measures to deal with migratory birds that are potential predators of fish, keeping in mind its obligations under the *Migratory Birds Convention Act* and associated regulations.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

- The proponent should clarify whether any measures are proposed to avoid bird entanglements with nets (i.e. keeping bird nets tight and free of slack). The proponent should also prepare a clear plan for site workers to implement in the event that birds get entangled despite these measures or pass through the predator net and not be able to get back out.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

There is no written plan for bird entanglement. Guidance on this would be appreciated.

We will be in a better position to comment on the proposal once the information requested above has been submitted. In the meantime, we have the following comments in the event that the project is ultimately approved:

Response to network comments AQ # 1431 (South Aberdeen)

Network Comments, as received March 29, 2021

- Food scraps and other garbage left on beaches and other coastal habitat can artificially enhance the populations of avian and mammalian predators of eggs and chicks of migratory birds. A similar effect could occur if gulls are attracted and have access to excess feed. The proponent should ensure that no litter (including food wastes) is left in coastal areas staff and/or contractors. Also the feed program should be managed to minimize waste, and should include use of tarps to prevent bird access to fish feed.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan and include feed management measures.

Also note the following:
Operational waste will be collected and contained in sealed containers as it is generated. A weekly grounds inspection, complete with checklist, will promote the timely collection and disposal of the waste.

- Project staff/contractors and vessels should not approach concentrations of seabirds, waterfowl or shorebirds.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan and include statements that describe avoidance of the shore or other wildlife habitat and wildlife itself.

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Noise produced at the site is minimized through proper and timely maintenance of equipment and machinery and the use of mufflers or noise reduction devices where appropriate.

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Since even small spills of oil can have very serious effects on migratory birds, every effort should be taken to ensure that no oil spills occur. The proponents should ensure that all precautions are taken by the contractors and staff to prevent fuel leaks from equipment, and that a contingency plan in case of oil spills is prepared.

As extracted from the Farm Management Plan:

Response to network comments AQ # 1431 (South Aberdeen)

Network Comments, as received March 29, 2021

Spills are minimized by ensuring that the amount kept on site at any one time will be limited to the amount that will be used within a reasonable timeframe and is able to be safely and properly stored at the site. Only appropriate lubricant and chemical storage receptacles will be used.

Waste oil is brought to the processing plant (secure land-based location) for temporary storage until it can be taken for disposal at a receiving facility.

A clean up and containment kit is available which will be used to deal with a spill according to its required procedures.

Reporting to the Department of Environment will occur to report a spill or release of a hazardous substance if it may potentially cause an adverse effect. Tel # 1 800 565-1633

Title	**Bird & Predator Deterrence Strategy**
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy

Interactions with birds and predators are to be avoided. Unwanted attention from birds and predators endangers the birds and predators themselves, can present a nuisance to workers, may stress the fish, and may pose biosecurity and fish health risks.

Deterrence is the best way to avoid such interactions. Bird and predator deterrence relies primarily on reducing the food available. The Pest Management Strategy describes feed, net, and grounds management which will help to reduce food for birds and predators. Deterrence of birds and other animals, as well as general activities to avoid interaction with animals must also be considered and are described in this document.

This Bird & Predator Deterrence Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Pest Management Strategy
Related MSDS: N/A

Bird Deterrence

- The use of bird nets over the cages removes the possibility of preying on fish.
- A bird net is placed over a floating bird stand located in the centre of the pen.
- Tie the bird stand with at least three ropes to centre it in the middle.
- Bird net mesh size has to be smaller than the smallest predator bird which is usually a sea gull, although in some instances kingfishers may be bothersome to smaller fish(<100g). The size of the mesh must be balanced with fish size since if too small a mesh is used it will be difficult to remove when fish get larger without gilling them.
- It is vital that the net is large enough to span the entire pen top.
- The bird net must be inspected and repaired, if necessary, before installation, and as required while in place.
- There can be no gaps or low spots in the bird cover as herons will take advantage at night by working in concert to get a meal by weighing down the cover to reach a meal.
- The cover must be made larger than the handrail to provide some overlap.

- The net should be “zinging” tight using the shackles on the stanchions and any extra rope required.

Marine Mammal Deterrence

- No below-water predator nets have been required in the Bras D’Or as there have been no recorded breaches of nets by seals in 40 years
- Removal of morts regularly prevents predators such as mammals and others (cod, eels, striped bass, etc.) from being attracted to and trying to chew through the net.

General Animal Interactions

- In order to further reduce the incidence of interaction with wildlife, boat travel to and from the cages to be worked will be via the most direct route possible, respecting any special requirements instituted for biosecurity concerns.
- Most importantly, approach of the shore or other wildlife habitat and wildlife itself will be avoided as much as feasible.
- A record of animal interactions is kept to help improve procedures. Any interactions that result in injury or mortality to wildlife must be reported.

Records

- Net Inventory Record
- Abell Pest Control Records
- Surface Inspection Checklist (cages)
- Grounds Inspection Checklist
- Bird Interaction Record
- Marine Mammal Interaction Record
- Wildlife Interaction Record

Title	Pest Management Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy

Pest management relies primarily on reducing the food and habitat available for pests. Keeping clean grounds and ensuring proper storage of materials are key factors. Rodents are the biggest pest problem for both stored food and nets. However, improper storage of feed or nets can also attract larger mammals such as raccoons and bears and others. Feed and net management and the biosecurity measures regarding mortality storage and disposal, explained elsewhere, will reduce attraction to pests. A contracted pest control company assists with these measures and ensures monitoring of the effectiveness of the measures.

This Pest Management Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Bird & Predator Deterrence Strategy
Related MSDS: N/A

Feed Management Measures

- The majority of the feed is stored at the rink which has a pest control contract with Abell pest control.
- The doors to this facility must be closed, unless activities require the doors to be open.
- Only feed fed during the same day is brought to the shore-based location.
- If an excess of feed happens to be delivered to the site, it must be stored in secure, steel transport containers. The doors to these containers must be closed at all times, unless loading or unloading is occurring.
- On the vessels, feed is covered to protect it from birds. It is not left on a vessel unless it will be fed within the day.
- Bags or open containers of feed are not left exposed or uncovered.
- Occasionally during unloading of feed, bags get broken. In these circumstances feed is picked up and placed in garbage containers which are placed inside the feed containers or in Dynaplast tubs until disposed of.
- Any feed that is unusable is removed from the site as soon as possible and disposed of at an approved waste management facility.
- Feed spills are cleaned up immediately. The pathway for feed delivery and passage is kept clear and free of obstacles to reduce spillage.

Net Management Measures

- Nets are also stored inside at the rink, unless activities (e.g. repair) require work to be done outside.

Site Management Measures

- Site inspection is scheduled for once a week to survey and pick up any garbage including fouling organisms and feed that were missed in daily clean-up activities. These inspections are used to reinforce the disposal of wastes in a timely manner.

Records

- Abell Pest Control Records
- Grounds Inspection Checklist

From: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Sent: June 21, 2021 8:35 AM
To: rachel.gautreau@ec.gc.ca
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: Status Update for Network Review of AQ#1430 and AQ#1431

Good morning Rachel,
I was wondering if you could please provide me with a status update on the progress regarding network review of the amended plans to aquaculture applications AQ#1430 and AQ#1431, attached.

Regards,
Robert Ceschiutti
Manager, Licensing and Leasing
NS Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
Phone: 902-875-7430

2021.03.29-Network Memo-Amended Pla

2021.03.29-Network Memo Amended Pla

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by ECCC-CWS, and the Application Package, Volume 2, Section 4.4 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

Sent: June 22, 2021 4:06 PM
To: donald <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: AQ#0814 Compilation of Network Comments

Hi Donald and Melissa,

Please find attached the compilation of comments received from Network Agencies for AQ#0814. A compilation of DFO's requests for additional information to date is attached separately. Please note that DFO's final Letter of Advice and CSAS Report for this application are still pending.

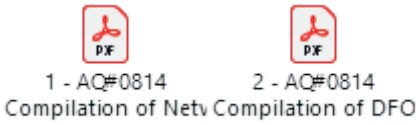
In regard to Nova Scotia Department of Lands and Forestry's comments (see pages 39-41), we would like to set up a call to discuss and provide some clarification. To allow time for you to review the network comments and prepare any questions, would a call on **July 14th at 11 am** work for you?

Please let me know and I will follow up with a meeting request.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture

1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca



NOTE: Please refer to Appendix N for the Compilation of Network Comments for AQ#0814x up to June 22, 2021, attached in this email.

From: Melissa Rommens <melissa@sustainaqua.ca>
Date: 2021-06-23 7:58 a.m. (GMT-04:00)
To: "'Feehan, Jennifer'" <Jennifer.Feehan@novascotia.ca>, 'donald' <donalddavis@waycobah.ca>
Cc: "'Greenwood, Megan N'" <Megan.Greenwood@novascotia.ca>, "'Feindel, Nathaniel J'" <Nathaniel.Feindel@novascotia.ca>, "'Ceschiutti, Robert'" <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

This time is good for me Jennifer.

Please await a reply from Donald before final scheduling.

Kind regards,

Melissa

From: donalddavis <donalddavis@waycobah.ca>
Sent: June 23, 2021 8:18 AM
To: Melissa Rommens <melissa@sustainaqua.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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That time is fine with me.....Regards Donald.

Sent from my Bell Samsung device over Canada's largest network.

NOTE: Please refer to correspondence in Appendix B for the July 14, 2021 Meeting Invitation.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 26, 2021 4:44 PM

To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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Hello Jennifer:
Find attached a response to the compiled network comments as referred to in the email below.

There are a few outstanding items noted:

- Confirm if anything is outstanding with TC.
- Determine contact information for the Coordinator of Special Places Program of NSCCH.
- Confirm if anything is required for NSECC.
- Determine intention of bald eagle monitoring requested by NSDLF.
- Confirm if additional information is required for DFO.

We are available to discuss the above as well as the submission at your convenience.

Thank-you for the opportunity to discuss and respond to the network concerns.

Kind regards,
Melissa.

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0

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Network comment responses 0814x Jul

NOTE: Please refer to correspondence in Appendix B dated July 26, 2021, for the complete document attached in this email. The proponent's response specific to ECCC-CWS are attached below for reference.

Response to network comments AQ # 0814x (Boundary Amendment)

Ref. Document: 1 -AQ#8014 Compilation of Network Comments – 2021.06.22

3. ECCC, CWS; Sept. 17, 2019 +

We'koqma'q replied to comments with pdf documents "Additional info response 0814 Sept 20" and "0814 WIP Excerpts FMP Attachment 1". NSDFA provided a map of the proposed amendment.

These responses were acknowledged by ECCC, CWS; and we note their offer to be contacted in the event that cormorants become a problem at the site. To date, this is not the case.

The September 20, 2019 reply by We'koqma'q included excerpts from the Farm Management Plan. It should be noted that this is a living document and is updated as required, and reviewed and approved for implementation by NSDFA annually, at a minimum. More up-to-date versions of the Bird & Predator Deterrent Strategy and Pest Management Strategy are available within a more recent reply to questions posed by NS Lands & Forestry. (See pages 9 to 15 of this document.)

From: Gautreau,Rachel (ECCC) <rachel.gautreau@ec.gc.ca>
Sent: July 29, 2021 4:07 PM
To: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Cc: MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>; Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>; Worthman,Sydney (ECCC) <Sydney.Worthman@ec.gc.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

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Hi Megan,

The comments the comments previously submitted for AQ#1430 (see attached) would remain applicable for the amended plan.

Additionally, the complete data report obtained from the Atlantic Canada Conservation Data Centre (ACCDC) should be submitted to reviewers.

Thanks,

Rachel

Rachel Gautreau
Coordinator, Environmental Assessment / Canadian Wildlife Service
Environment and Climate Change Canada / Government of Canada
rachel.gautreau@canada.ca

Coordinatrice, Évaluations environnementales / Service canadien de la faune
Environnement et Changement climatique Canada / Gouvernement du Canada
rachel.gautreau@canada.ca

New Aquaculture Licence and Lease A

NOTE: Please refer to correspondence above (see January 3, 2020) for the attachment in this email.

From: Gautreau,Rachel (ECCC) <rachel.gautreau@ec.gc.ca>
Sent: July 29, 2021 4:24 PM
To: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Cc: MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>; Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>; Worthman,Sydney (ECCC) <Sydney.Worthman@ec.gc.ca>
Subject: RE: AQ#1431 Network Memo-Amended Plan

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Hi Megan,

The comments previously submitted for AQ#1431 (see attached) would remain applicable for the amended plan.

Additionally, the complete data report obtained from the Atlantic Canada Conservation Data Centre (ACCDC) should be submitted to reviewers.

Thanks,

Rachel

Rachel Gautreau

Coordinator, Environmental Assessment / Canadian Wildlife Service
Environment and Climate Change Canada / Government of Canada
rachel.gautreau@canada.ca

Coordinatrice, Évaluations environnementales / Service canadien de la faune
Environnement et Changement climatique Canada / Gouvernement du Canada
rachel.gautreau@canada.ca



New Aquaculture
Licence and Lease Ap

NOTE: Please refer to correspondence above (see January 6, 2020) for the attachment in this email.

From: Feehan, Jennifer
Sent: August 5, 2021 4:46 PM
To: Melissa Rommens <melissa@sustainaqua.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

Hi Melissa,

Thank you for your submission of the response to network comments for AQ#0814. I am in the process of reviewing your responses and will get them sent out to the appropriate network agencies as soon as possible.

Regarding the outstanding items outlined in your email:

- TC has confirmed that they have the application and do not require you to reapply through the online portal.
- NSCCH has been contacted and we are waiting for a response. The general contact information for the Department is cch@novascotia.ca and (902) 424-2170, but I will see I can get you a direct contact.
- NSE has confirmed that they have not received comment from the compliance team and agreed that NSDFA will request comment directly from the Compliance and Enforcement Division for the compliance report, which is the regular process for receiving comment from the compliance team.
- I will follow up with NSDLF on the bald eagle monitoring when I send your response.
- I will confirm with DFO that no additional information is required when I send your response.

I will be in touch with any additional updates.

Kind regards,
Jennifer

From: Feehan, Jennifer
Sent: August 31, 2021 4:07 PM
To: Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.

Hi Rachel,

This is a follow up to **AQ#0814** boundary amendment application in Whycocomagh Bay.

You provided network feedback on this application on September 17, 2019, and additional information was provided to you on September 25, 2019 and October 3, 2019. This information satisfied your review as per the email below dated January 14, 2020.

The applicant has provided an updated response (see attached), which identifies that the Farm Management Plan (FMP) is a living document and that the Bird & Predator Deterrent Strategy and Pest Management Strategy within the FMP have since been updated.

Please let us know if you would like to review the latest versions of these strategies by **September 30, 2021**. If not, the application will continue forward as concerns have previously been addressed.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

2021.07.26-Applica
nt response to Netv

NOTE: Please refer to correspondence above (see July 26, 2021) for the attachment in this email.

From: Gautreau,Rachel (ECCC) <rachel.gautreau@ec.gc.ca>
Sent: October 6, 2021 11:12 AM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>; Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>; Worthman,Sydney (ECCC) <Sydney.Worthman@ec.gc.ca>
Subject: RE: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.

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Hello Jennifer,

I apologize for the delay in responding. I have been out sick.

There appears to be some confusion regarding cormorants in the latest information submitted. The proponent states that "These responses were acknowledged by ECCC, CWS; and we note their offer to be contacted in the event that cormorants become a problem at the site. To date, this is not the case." As indicated in our November 3, 2019 email to Lynn Whitfield, "…cormorants are not protected under the *Migratory Birds Convention Act* (MBCA). Therefore, the proponent should contact provincial wildlife biologists in the event that cormorants became a problem at the aquaculture site." To reiterate, it is provincial wildlife biologists who should be contacted in the event that cormorants become a problem at the aquaculture site.

We would appreciate the opportunity to review the Bird & Predator Deterrent Strategy and Pest Management Strategy within the Farm Management Plan if these are project-specific documents.

Sincerely,

Rachel

From: Feehan, Jennifer
Sent: October 25, 2021 2:16 PM
To: Gautreau,Rachel (ECCC) <rachel.gautreau@ec.gc.ca>
Cc: MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>; Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>; Worthman,Sydney (ECCC) <Sydney.Worthman@ec.gc.ca>; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.

Hi Rachel,

Apologies for the delay in getting back to you. We were confirming that we could share portions of Lands and Forestry's network feedback for AQ#0814 as referenced by the proponent in their response to CWS.

Please find attached the updated excerpts from the Farm Management Plan as provided by the applicant to Lands and Forestry, including the Bird & Predator Deterrence Strategy and Pest Management Strategy for your review. I have also attached the applicant's response to CWS for easy reference.

In addition, thank you for the clarification regarding contacting provincial wildlife biologists. This information will be shared with the proponent.

Please let me know if you have any questions and provide any feedback by **November 25, 2021**.

Kind regards,
Jennifer



Response to network comments AQ # 0814x (Boundary Amendment)

Ref. Document: 1 -AQ#8014 Compilation of Network Comments – 2021.06.22

3. ECCC, CWS; Sept. 17, 2019 +

We'koqma'q replied to comments with pdf documents "Additional info response 0814 Sept 20" and "0814 WIP Excerpts FMP Attachment 1". NSDFA provided a map of the proposed amendment.

These responses were acknowledged by ECCC, CWS; and we note their offer to be contacted in the event that cormorants become a problem at the site. To date, this is not the case.

The September 20, 2019 reply by We'koqma'q included excerpts from the Farm Management Plan. It should be noted that this is a living document and is updated as required, and reviewed and approved for implementation by NSDFA annually, at a minimum. More up-to-date versions of the Bird & Predator Deterrent Strategy and Pest Management Strategy are available within a more recent reply to questions posed by NS Lands & Forestry. (See pages 9 to 15 of this document.)

9. Nova Scotia Department of Lands and Forestry; July 2, 2019+

Responses were previously provided regarding location and trout strains as per July 4, 2019 letter from We'koqma'q.

Sept. 25, 2019 comments from NSDLF follow, along with We'koqma'q's replies.

The Department of Lands and Forestry is aware that the proponent has had recent issues with the storage of nets and fish food outside and in a building close to the village. Bears have been attracted to the site and without intervention this will continue. This is a safety issue for both the proponent and the bears.
The Department of Lands and Forestry recommends the following conditions to alleviate this and other issues:

1. Storage of nets/fish food/wildlife attractants:
The proponent must ensure that all nets, fish food and other potential wildlife attractants which are stored on land are stored in a fashion that will not attract bears and other scavenging animals. All waste should be disposed of quickly and/or rendered non attractive for bears/ coyotes eagles etc.

We'koqma'q has acquired and repurposed the local former rink building to enable the indoor storage of feed, nets, and other bulky items that were previously stored outdoors or in temporary storage areas. This will deter scavenging animals. More details are described in the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

Furthermore, We'koqma'q no longer cleans fish containment nets themselves. Previously, the outdoor storage and cleaning of nets may have caused issues with respect to the organic debris from the nets. Nets are now sent to a third-party contractor for cleaning in a timely fashion so that this organic debris is no longer a potential attractant to pests and a potential smell issue.

2. Mitigation measures to protect diving fish eating birds
There are currently no mitigation in place for diving fish eating birds (cormorants, loons etc.). The Department recommends that mitigation measures be put in place to ensure species are not entangled in the below water portion of the net if at all possible.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

3. Monitoring impacts to the bald eagle:
There are multiple areas of bald eagle significant habitat surrounding the proposed expansion area. The proponent has outlined mitigation for eagle predation resulting in entanglement. It is not expected that these areas will experience significant additional stress compared to current operation assuming mitigation is put in place. However, it is difficult to predict if the situation could change.
The Department recommends that the proponent monitor the bald eagle population and make additional mitigations when necessary. This is required because of:

- The increase in the size of the operation
- This project has the potential to artificially increase the presence of eagles to the area and increase competition between them due to an increase in anthropogenic food sources (waste fish etc.). These effects would be difficult to measure.

- Increased human presence in the area could have a negative impact on the nesting success of the eagles in the area.
- Lastly, increased human activity may increase human wildlife conflicts in the area.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan. Note that records of interactions with birds, mammals, or other animals that result in injury or death are kept. Please indicate recommended procedures for monitoring the bald eagle population.

4. Mitigations to protect the shoreline from waste pollution:
There is a tendency for waste to be produced by these projects that ends up on the shore. This may have a negative impact on terrestrial biodiversity and potentially the cleanliness of the park. The Department recommends that measures be undertaken to ensure waste remains onsite and does not pollute the shoreline.

As extracted from the Farm Management Plan, retrieval of loose gear will be dealt with as follows:

Items will be retrieved as soon as the issue is identified and it is safe to do so. The company has its own vessels and staff capable of retrieving loose gear so that there should be little/no delay between identifying the problem and its recovery, except due to safety issues, if applicable. Equipment to be kept for re-use will be moved to the rink for storage as soon as possible (at least within a week). Equipment that requires a longer lead time for disposal (e.g. sold as scrap, sold for another use, or requires special arrangements for delivery to an acceptable waste location) will be stored at the rink until disposal can be arranged.

As extracted from the Farm Management Plan, maintaining the site in good order will be accomplished as follows:

A sweep of the wharf and farm area will be conducted weekly. In addition, weekly surface inspections will occur and be documented for cage infrastructure. Maintenance issues will be identified at these times. Small tasks will be completed within a week or asap if containment or fish welfare may be at risk from the identified issues. Larger issues will be brought to management's attention to allow a plan for remediation. Most issues will be resolved within a month, budget permitting. Significant issues may require a longer time since financial resources will have to be found. If these situations arise, the farm will institute temporary remediation within a month. This remediation will return the site to a suitable appearance.

Equipment to be kept for re-use will be moved to the rink for storage as soon as possible (at least within a week). Debris that is to be discarded with normal garbage will be disposed of accordingly, in a timely fashion. Equipment that requires a longer lead time for disposal (e.g. sold as scrap, sold for another use, or requires special arrangements for delivery to an acceptable waste location) will be stored at the rink until disposal can be arranged.

As extracted from the Farm Management Plan, accumulation of refuse and neglect of decommissioned farm supplies and equipment will be managed according to the following plan:

Decommissioned farm equipment and extra supplies are housed at the rink, an enclosed building, away from the farm. Some may be housed at indoor facilities owned by the farm.

A sweep of the wharf and farm area will be conducted weekly. Transfer of un-used farm equipment and supply stores too large to hold in the farm-side steel containers will be moved to the compound or to an indoor facility. This will be done during the weekly sweep or early the following week if transportation is not immediately available.

Operational waste will be collected and contained in sealed containers as it is generated. A weekly grounds inspection, complete with checklist will promote the timely collection and disposal of the waste.

Other Considerations:
There is wood turtle significant habitat near the area. This project should not have a negative impact on this habitat feature nor the individual turtles.
No reply required. *The significant habitat is noted.*

The Department defers to federal and provincial fisheries for expertise on the effects on the marine ecosystem. Any negative effects on the marine ecosystem may carry over to terrestrial species.
No reply required.

Title	Bird & Predator Deterrence Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy

Interactions with birds and predators are to be avoided. Unwanted attention from birds and predators endangers the birds and predators themselves, can present a nuisance to workers, may stress the fish, and may pose biosecurity and fish health risks.

Deterrence is the best way to avoid such interactions. Bird and predator deterrence relies primarily on reducing the food available. The Pest Management Strategy describes feed, net, and grounds management which will help to reduce food for birds and predators. Deterrence of birds and other animals, as well as general activities to avoid interaction with animals must also be considered and are described in this document.

This Bird & Predator Deterrence Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Pest Management Strategy
Related MSDS: N/A

Bird Deterrence

- The use of bird nets over the cages removes the possibility of preying on fish.
- A bird net is placed over a floating bird stand located in the centre of the pen.
- Tie the bird stand with at least three ropes to centre it in the middle.
- Bird net mesh size has to be smaller than the smallest predator bird which is usually a sea gull, although in some instances kingfishers may be bothersome to smaller fish(<100g). The size of the mesh must be balanced with fish size since if too small a mesh is used it will be difficult to remove when fish get larger without gilling them.
- It is vital that the net is large enough to span the entire pen top.
- The bird net must be inspected and repaired, if necessary, before installation, and as required while in place.
- There can be no gaps or low spots in the bird cover as herons will take advantage at night by working in concert to get a meal by weighing down the cover to reach a meal.

- The cover must be made larger than the handrail to provide some overlap.
- The net should be “zinging” tight using the shackles on the stanchions and any extra rope required.

Marine Mammal Deterrence

- No below-water predator nets have been required in the Bras D’Or as there have been no recorded breaches of nets by seals in 40 years
- Removal of morts regularly prevents predators such as mammals and others (cod, eels, striped bass, etc.) from being attracted to and trying to chew through the net.

General Animal Interactions

- In order to further reduce the incidence of interaction with wildlife, boat travel to and from the cages to be worked will be via the most direct route possible, respecting any special requirements instituted for biosecurity concerns.
- Most importantly, approach of the shore or other wildlife habitat and wildlife itself will be avoided as much as feasible.
- A record of animal interactions is kept to help improve procedures. Any interactions that result in injury or mortality to wildlife must be reported.

Records

- Net Inventory Record
- Abell Pest Control Records
- Surface Inspection Checklist (cages)
- Grounds Inspection Checklist
- Bird Interaction Record
- Marine Mammal Interaction Record
- Wildlife Interaction Record

Title	Pest Management Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy

Pest management relies primarily on reducing the food and habitat available for pests. Keeping clean grounds and ensuring proper storage of materials are key factors. Rodents are the biggest pest problem for both stored food and nets. However, improper storage of feed or nets can also attract larger mammals such as raccoons and bears and others. Feed and net management and the biosecurity measures regarding mortality storage and disposal, explained elsewhere, will reduce attraction to pests. A contracted pest control company assists with these measures and ensures monitoring of the effectiveness of the measures.

This Pest Management Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Bird & Predator Deterrence Strategy
Related MSDS: N/A

Feed Management Measures

- The majority of the feed is stored at the rink which has a pest control contract with Abell pest control.
- The doors to this facility must be closed, unless activities require the doors to be open.
- Only feed fed during the same day is brought to the shore-based location.
- If an excess of feed happens to be delivered to the site, it must be stored in secure, steel transport containers. The doors to these containers must be closed at all times, unless loading or unloading is occurring.
- On the vessels, feed is covered to protect it from birds. It is not left on a vessel unless it will be fed within the day.
- Bags or open containers of feed are not left exposed or uncovered.
- Occasionally during unloading of feed, bags get broken. In these circumstances feed is picked up and placed in garbage containers which are placed inside the feed containers or in Dynaplast tubs until disposed of.
- Any feed that is unusable is removed from the site as soon as possible and disposed of at an approved waste management facility.
- Feed spills are cleaned up immediately. The pathway for feed delivery and passage is kept clear and free of obstacles to reduce spillage.

Net Management Measures

- Nets are also stored inside at the rink, unless activities (e.g. repair) require work to be done outside.

Site Management Measures

- Site inspection is scheduled for once a week to survey and pick up any garbage including fouling organisms and feed that were missed in daily clean-up activities. These inspections are used to reinforce the disposal of wastes in a timely manner.

Records

- Abell Pest Control Records
- Grounds Inspection Checklist

From: Feehan, Jennifer
Sent: November 30, 2021 2:06 PM
To: donald <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

Hi Donald and Melissa,

This email is a follow up on the status of Network Comments for AQ#0814x boundary amendment application.

DFO recently published their CSAS Report for AQ#0814 online, which is attached and can also be found at the following link: https://www.dfo-mpo.gc.ca/csas-sccs/Publications/ScR-RS/2021/2021_041-eng.pdf. The CSAS Report accompanies DFO's Letter of Advice, which was previously sent to you.

Additionally, CWS received your response to network comments submitted to NSDFA on July 26, 2021 and requested to review the referenced Bird & Predator Deterrence Strategy and Pest Management Strategy. This has been provided to CWS and their final response is pending.

CWS also noted a correction to your response, indicating the following:

- "There appears to be some confusion regarding cormorants in the latest information submitted. The proponent states that "These responses were acknowledged by ECCC, CWS; and we note their offer to be contacted in the event that cormorants become a problem at the site. To date, this is not the case." As indicated in our November 3, 2019 email to Lynn Whitfield, "…cormorants are not protected under the Migratory Birds Convention Act (MBCA). Therefore, the proponent should contact provincial wildlife biologists in the event that cormorants became a problem at the aquaculture site." To reiterate, it is provincial wildlife biologists who should be contacted in the event that cormorants become a problem at the aquaculture site."

Please let me know if you have any questions.

Kind regards,
Jennifer

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: December 21, 2021 8:43 AM
To: Gautreau,Rachel (ECCC) <rachel.gautreau@ec.gc.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>; Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>; Worthman,Sydney (ECCC) <Sydney.Worthman@ec.gc.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

Hi Rachel,

I am following up on network comments for adjudicative application **AQ#1430** for a new marine finfish aquaculture site in North Aberdeen, Whycocomagh Bay.

As indicated in your July 29, 2021 email below, CWS's previously submitted comments remained applicable to the amended development plan for AQ#1430. Please find CWS's original January 3, 2020 comments attached for reference. The two attachments dated April 21, 2021 contain the applicant's response to CWS's comments, including Appendix A (Bird & Predator Deterrence Strategy and Pest Management Strategy).

It may be helpful to note that the applicant meanwhile submitted an application for an experimental site, AQ#5013, located in South Aberdeen, Whycocomagh Bay. AQ#5013 is within the proposed boundaries of the new marine site application AQ#1431. The development plans for AQ#5013, AQ#1430 and AQ#1431 are similar; however, experimental applications follow an administrative process which is separate from the adjudicative process for new site applications that AQ#1430 and AQ#1431 are following.

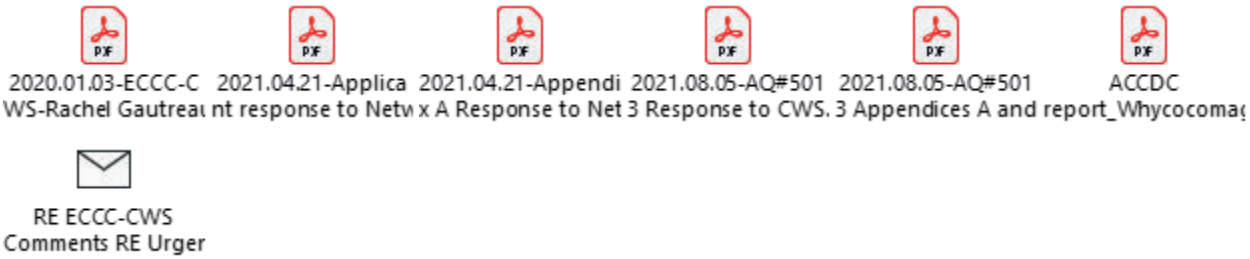
CWS reviewed the experimental application for AQ#5013 and had the same comments as those submitted for AQ#1431. The two attachments dated August 5, 2021 contain the applicant's response to CWS's comments for AQ#5013/1431 including appendices, which would also apply to the comments CWS provided for AQ#1430. The ACCDC report has also been attached as requested. The attached email thread titled "RE: ECCC-CWS Comments…" contains the finalized network feedback received from CWS on AQ#5013, which would also address AQ#1431 and AQ#1430.

Do you have any further comments or require any additional information for AQ#1430, or would this conclude CWS's advice to the Department specific to this application?

Please let me know if you would like to discuss and we can set up a call.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca



NOTE: Please refer to correspondence above (see January 3, 2020, April 21, 2021, and July 29, 2021) and correspondence below (see August 9, 2021) for the attachments in this email. The correspondence below is in reference to Network Review completed for AQ#5013 special experimental site application as it relates to AQ#1431.

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: December 21, 2021 8:43 AM
To: Gautreau,Rachel (ECCC) <rachel.gautreau@ec.gc.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>; Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>; Worthman,Sydney (ECCC) <Sydney.Worthman@ec.gc.ca>
Subject: RE: AQ#1431 Network Memo-Amended Plan

Hi Rachel,

I am following up on network comments for adjudicative application **AQ#1431** for a new marine finfish aquaculture site in South Aberdeen, Whycocomagh Bay.

As indicated in your July 29, 2021 email below, CWS's previously submitted comments remained applicable to the amended development plan for AQ#1431. Please find CWS's original January 6, 2020 comments attached for reference. The two attachments dated April 21, 2021 contain the applicant's response to CWS's comments, including Appendix A (Bird & Predator Deterrence Strategy and Pest Management Strategy).

It may be helpful to note that the applicant meanwhile submitted an application for an experimental site, AQ#5013, located in South Aberdeen, Whycocomagh Bay. AQ#5013 is within the proposed boundaries of the new marine site application AQ#1431. The development plans for AQ#5013, AQ#1430 and AQ#1431 are similar; however, experimental applications follow an administrative process which is separate from the adjudicative process for new site applications that AQ#1430 and AQ#1431 are following.

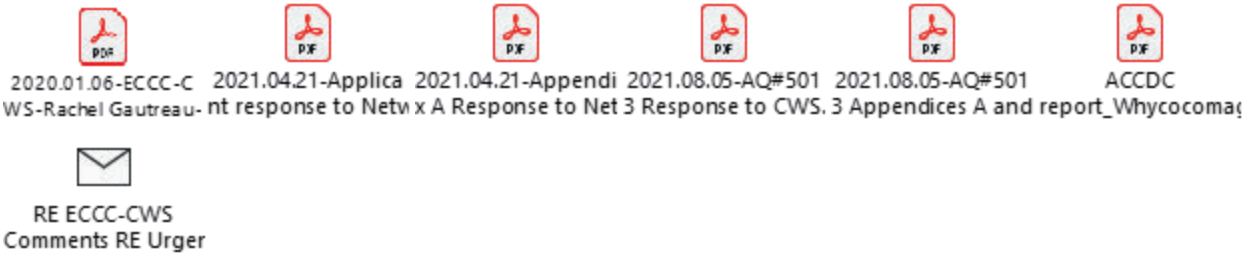
CWS reviewed the experimental application for AQ#5013 and had the same comments as those submitted for AQ#1431. The two attachments dated August 5, 2021 contain the applicant's response to CWS's comments for AQ#5013/1431 including appendices. The ACCDC report has also been attached as requested. The attached email thread titled "RE: ECCC-CWS Comments…" contains the finalized network feedback received from CWS on AQ#5013, which would also address AQ#1431.

Do you have any further comments or require any additional information for AQ#1431, or would this conclude CWS's advice to the Department specific to this application?

Please let me know if you would like to discuss and we can set up a call.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca



NOTE: Please refer to correspondence above (see January 6, 2020, April 21, 2021, and July 29, 2021) and correspondence below (see August 9, 2021) for the attachments in this email. The correspondence below is in reference to Network Review completed for AQ#5013 special experimental site application as it relates to AQ#1431.

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: August 9, 2021 8:47 AM
To: Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Urgent Update to Network Review request for AQ#5013/AQ#1431

Hi Rachel,

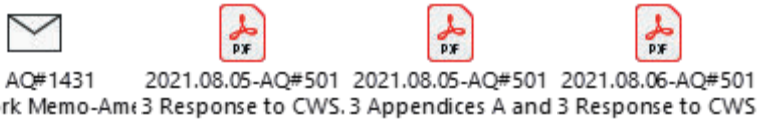
CWS's comments (attached for reference) regarding new aquaculture application AQ#1431 and experimental aquaculture application AQ#5013 at the same location in South Aberdeen, Whycocomagh Bay were shared with the proponent.

The proponent has provided a response to CWS's concerns as well as excerpts from their Farm Management Plan (Appendices A and B) and the full Atlantic Canada Conservation Data Centre report as requested.

Please find the response, appendices and the ACCDC Report attached and advise if they address the concerns or if there are any additional comments on this application.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca



NOTE: Please refer to correspondence above (see July 29, 2021) for the contents in the attached "AQ#1431 Network Memo" email. All other attachments are included below.

Response to network comments AQ # 5013 (South Aberdeen)

Responses to network comments, as received July 29, 2021

11. ECCC, CWS; Jan. 6, 2020 (comments for AQ 1431 provided)

- On page 34, it is stated that "CEPI, 2006 also mentioned barrows goldeneye which have been seen near Whycocomagh Bay shore..." This species is not further mentioned in the report. Barrow's Goldeneye is a migratory bird listed on Schedule 1 of the Species at Risk Act. The species is designated Special Concern by the Committee on the Status of Endangered Wildlife in Canada. The proponent should therefore ensure that contractors and staff are aware of the possibility of this species at risk occurring in the area, and that aquaculture staff and equipment not approach Barrow's Goldeneyes.

The significance of this species at risk will be communicated to staff and contractors. Also, see the Bird & Predator Deterrence Strategy attached as Appendix A. This has been extracted from the Farm Management Plan and includes statements that describe avoidance of the shore or other wildlife habitat and wildlife itself.

- On page 38, it is stated that "A wildlife interaction plan must be described in an operator's Farm Management Plan as defined by the Nova Scotia Aquaculture Management Regulations. It must be approved for implementation by NSDFA..." Neither the wildlife interaction plan nor the Farm Management Plan were submitted for review. If forwarded to us, we would be happy to review the wildlife interaction plan, or the mitigation/monitoring measures to be included in such a plan.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

- It should be clarified whether grow lights are proposed for this site. Bright lights can cause problems for night migrating birds and night-flying seabirds (e.g. storm-petrels), especially during periods of fog, drizzle, and haze. A powerful pencil of light shining upwards into the fog can appear as a corridor through darkness into which the birds fly. Birds then get killed or injured by flying into the lit object, by flying into the light itself, or by colliding with other birds. For those that don't get killed or injured but flutter in the light pencil for a long period, they may deplete their energy reserves and either die of exhaustion or drop to the ground where they are at risk from predators. In order to avoid impacts on migratory birds, it is recommended that lights be shielded and aimed downwards.

No grow lights will be used at the site.

- The proponent should clarify its measures to deal with migratory birds that are potential predators of fish, keeping in mind its obligations under the *Migratory Birds Convention Act* and associated regulations.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

- The proponent should clarify whether any measures are proposed to avoid bird entanglements with nets (i.e. keeping bird nets tight and free of slack). The proponent should also prepare a clear plan for site workers to implement in the event that birds get entangled despite these measures or pass through the predator net and not be able to get back out.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

There is no written plan for bird entanglement. Guidance on this would be appreciated.

Response to network comments AQ # 5013 (South Aberdeen)

Responses to network comments, as received July 29, 2021

We will be in a better position to comment on the proposal once the information requested above has been submitted. In the meantime, we have the following comments in the event that the project is ultimately approved:

- Food scraps and other garbage left on beaches and other coastal habitat can artificially enhance the populations of avian and mammalian predators of eggs and chicks of migratory birds. A similar effect could occur if gulls are attracted and have access to excess feed. The proponent should ensure that no litter (including food wastes) is left in coastal areas staff and/or contractors. Also the feed program should be managed to minimize waste, and should include use of tarps to prevent bird access to fish feed.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan and include feed management measures.

Also note the following:
Operational waste will be collected and contained in sealed containers as it is generated. A weekly grounds inspection, complete with checklist, will promote the timely collection and disposal of the waste.

- Project staff/contractors and vessels should not approach concentrations of seabirds, waterfowl or shorebirds.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan and include statements that describe avoidance of the shore or other wildlife habitat and wildlife itself.

- Project staff/contractors should use well muffled vessels and machinery.

As extracted from the Farm Management Plan:

Noise produced at the site is minimized through proper and timely maintenance of equipment and machinery and the use of mufflers or noise reduction devices where appropriate.

- Beaches and wetlands are sensitive habitats and proponents should not utilize these habitats for construction, operational or decommissioning activities, with the exception of beach clean-up activities, which should be timed to not coincide with sensitive periods for breeding birds and other wildlife.

There are two shore side locations that are used in operations, construction, and decommissioning activities. These locations include a main shore-based area which consists of two existing wharves with an adjoining parking lot, building and storage trailers, and a second maintained area adjacent to the lake on reserve land which is used for assembling or decommissioning cages and pulling them into or out of the water. This area used for cage construction/decommissioning is neither a wetland nor a beach. Once assembled, the cages are pulled over the intertidal area into the water using a lake-based vessel. The shortest path over the intertidal area is used to reduce impacts. In this area, the water gets deep enough to float the cages almost immediately. For cage disassembly, the reverse process occurs in this same area.

Since even small spills of oil can have very serious effects on migratory birds, every effort should be taken to ensure that no oil spills occur. The proponents should ensure that all precautions are taken by the contractors and staff to prevent fuel leaks from equipment, and that a contingency plan in case of oil spills is prepared.

Response to network comments AQ # 5013 (South Aberdeen)

Responses to network comments, as received July 29, 2021

As extracted from the Farm Management Plan:

Spills are minimized by ensuring that the amount kept on site at any one time will be limited to the amount that will be used within a reasonable timeframe and is able to be safely and properly stored at the site. Only appropriate lubricant and chemical storage receptacles will be used.

Waste oil is brought to the processing plant (secure land-based location) for temporary storage until it can be taken for disposal at a receiving facility.

A clean up and containment kit is available which will be used to deal with a spill according to its required procedures.

Reporting to the Department of Environment will occur to report a spill or release of a hazardous substance if it may potentially cause an adverse effect. Tel # 1 800 565-1633

Title	Bird & Predator Deterrence Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy
Interactions with birds and predators are to be avoided. Unwanted attention from birds and predators endangers the birds and predators themselves, can present a nuisance to workers, may stress the fish, and may pose biosecurity and fish health risks.

Deterrence is the best way to avoid such interactions. Bird and predator deterrence relies primarily on reducing the food available. The Pest Management Strategy describes feed, net, and grounds management which will help to reduce food for birds and predators. Deterrence of birds and other animals, as well as general activities to avoid interaction with animals must also be considered and are described in this document.

This Bird & Predator Deterrent Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Pest Management Strategy
Related MSDS: N/A

Bird Deterrence

- The use of bird nets over the cages removes the possibility of preying on fish.
- A bird net is placed over a floating bird stand located in the centre of the pen.
- Tie the bird stand with at least three ropes to centre it in the middle.
- Bird net mesh size has to be smaller than the smallest predator bird which is usually a sea gull, although in some instances kingfishers may be bothersome to smaller fish(<100g). The size of the mesh must be balanced with fish size since if too small a mesh is used it will be difficult to remove when fish get larger without gilling them.
- It is vital that the net is large enough to span the entire pen top.
- The bird net must be inspected and repaired, if necessary, before installation, and as required while in place.

- There can be no gaps or low spots in the bird cover as herons will take advantage at night by working in concert to get a meal by weighing down the cover to reach a meal.
- The cover must be made larger than the handrail to provide some overlap.
- The net should be "zinging" tight using the shackles on the stanchions and any extra rope required.

Marine Mammal Deterrence

- No below-water predator nets have been required in the Bras D'Or as there have been no recorded breaches of nets by seals in 40 years
- Removal of morts regularly prevents predators such as mammals and others (cod, eels, striped bass, etc.) from being attracted to and trying to chew through the net.

General Animal Interactions

- In order to further reduce the incidence of interaction with wildlife, boat travel to and from the cages to be worked will be via the most direct route possible, respecting any special requirements instituted for biosecurity concerns.
- Most importantly, approach of the shore or other wildlife habitat and wildlife itself will be avoided as much as feasible.
- A record of animal interactions is kept to help improve procedures. Any interactions that result in injury or mortality to wildlife must be reported.

Records

- Net Inventory Record
- Abell Pest Control Records
- Surface Inspection Checklist (cages)
- Grounds Inspection Checklist
- Bird Interaction Record
- Marine Mammal Interaction Record
- Wildlife Interaction Record

Title	Pest Management Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy

Pest management relies primarily on reducing the food and habitat available for pests. Keeping clean grounds and ensuring proper storage of materials are key factors. Rodents are the biggest pest problem for both stored food and nets. However, improper storage of feed or nets can also attract larger mammals such as raccoons and bears and others. Feed and net management and the biosecurity measures regarding mortality storage and disposal, explained elsewhere, will reduce attraction to pests. A contracted pest control company assists with these measures and ensures monitoring of the effectiveness of the measures.

This Pest Management Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Bird & Predator Deterrence Strategy
Related MSDS: N/A

Feed Management Measures

- The majority of the feed is stored at the rink which has a pest control contract with Abell pest control.
- The doors to this facility must be closed, unless activities require the doors to be open.
- Only feed fed during the same day is brought to the shore-based location.
- If an excess of feed happens to be delivered to the site, it may be stored in secure, steel transport containers. The doors to these containers must be closed at all times, unless loading or unloading is occurring.
- On the vessels, feed is covered to protect it from birds. It is not left on a vessel unless it will be fed within the day.
- Bags or open containers of feed are not left exposed or uncovered.
  Occasionally during unloading of feed, bags get broken. In these circumstances feed is picked up and placed in garbage containers which are placed inside the feed containers or in Dynaplast tubs until disposed of.
- Any feed that is unusable is removed from the site as soon as possible and disposed of at an approved waste management facility.
- Feed spills are cleaned up immediately. The pathway for feed delivery and passage is kept clear and free of obstacles to reduce spillage.

Net Management Measures

- Nets are also stored inside at the rink, unless activities (e.g. repair) require work to be done outside.

Site Management Measures

- Site inspection is scheduled for once a week to survey and pick up any garbage including fouling organisms and feed that were missed in daily clean-up activities. These inspections are used to reinforce the disposal of wastes in a timely manner.

Records

- Abell Pest Control Records
- Grounds Inspection Checklist

Other excerpts from main body of FMP:

Regarding use of bird nets:

6.3 Equipment Maintenance

6.3.3 Bird nets

Bird nets must be inspected regularly for holes, areas of weakness or damage. Their condition should be observed daily. Bird nets will be formally inspected weekly according to the weekly above water inspection schedule described in 6.4.1.

Issues with bird nets will be repaired and records will be kept regarding location of repair, date damage observed, date of repair, and the person who performed the repair. The reason for the issue will be determined and fixed as soon as possible (e.g. chafing, other).
**(Records kept include: Weekly Surface Inspection Checklist, Net Maintenance Record)*

DATA REPORT 6327: Whycocomagh Bay 2, NS

Prepared 8 February 2019
by J. Churchill, Data Manager

CONTENTS OF REPORT

1.0 Preface
- 1.1 Data List
- 1.2 Restrictions
- 1.3 Additional Information
- Map 1: Buffered Study Area

2.0 Rare and Endangered Species
- 2.1 Flora
- 2.2 Fauna
- Map 2: Flora and Fauna

3.0 Special Areas
- 3.1 Managed Areas
- 3.2 Significant Areas
- Map 3: Special Areas

4.0 Rare Species Lists
- 4.1 Fauna
- 4.2 Flora
- 4.3 Location Sensitive Species
- 4.4 Source Bibliography

5.0 Rare Species within 100 km
- 5.1 Source Bibliography



Map 1. A 100 km buffer around the study area

1.0 PREFACE

The Atlantic Canada Conservation Data Centre (AC CDC; www.accdc.com) is part of a network of NatureServe data centres and heritage programs serving 50 states in the U.S.A, 10 provinces and 1 territory in Canada, plus several Central and South American countries. The NatureServe network is more than 30 years old and shares a common conservation data methodology. The AC CDC was founded in 1997, and maintains data for the jurisdictions of New Brunswick, Nova Scotia, Prince Edward Island, and Newfoundland and Labrador. Although a non-governmental agency, the AC CDC is supported by 6 federal agencies and 4 provincial governments, as well as through outside grants and data processing fees.

Upon request and for a fee, the AC CDC queries its database and produces customized reports of the rare and endangered flora and fauna known to occur in or near a specified study area. As a supplement to that data, the AC CDC includes locations of managed areas with some level of protection, and known sites of ecological interest or sensitivity.

1.1 DATA LIST

Included datasets:

Filename	Contents
WhycocomaghBNS_6327ob.xls	All Rare and legally protected *Flora and Fauna* in your study area
WhycocomaghBNS_6327ob100km.xls	A list of Rare and legally protected *Flora and Fauna* within 100 km of your study area
WhycocomaghBNS_6327ma.xls	All *Managed Areas* in your study area
WhycocomaghBNS_6327sa.xls	All *Significant Natural Areas* in your study area
WhycocomaghBNS_6327ff.xls	Rare and common *Freshwater Fish* in your study area (DFO database)

1.2 RESTRICTIONS

The AC CDC makes a strong effort to verify the accuracy of all the data that it manages, but it shall not be held responsible for any inaccuracies in data that it provides. By accepting AC CDC data, recipients assent to the following limits of use:

a) Data is restricted to use by trained personnel who are sensitive to landowner interests and to potential threats to rare and/or endangered flora and fauna posed by the information provided.
b) Data is restricted to use by the specified Data User; any third party requiring data must make its own data request.
c) The AC CDC requires Data Users to cease using and delete data 12 months after receipt, and to make a new request for updated data if necessary at that time.
d) AC CDC data responses are restricted to the data in our Data System at the time of the data request.
e) Each record has an estimate of locational uncertainty, which must be referenced in order to understand the record's relevance to a particular location. Please see attached Data Dictionary for details.
f) AC CDC data responses are not to be construed as exhaustive inventories of taxa in an area.
g) The absence of a taxon cannot be inferred by its absence in an AC CDC data response.

1.3 ADDITIONAL INFORMATION

The accompanying Data Dictionary provides metadata for the data provided.

Please direct any additional questions about AC CDC data to the following individuals:

Plants, Lichens, Ranking Methods, All other Inquiries
Sean Blaney, Senior Scientist, Executive Director
Tel: (506) 364-2658
sean.blaney@accdc.ca

Animals (Fauna)
John Klymko, Zoologist
Tel: (506) 364-2660
john.klymko@accdc.ca

Plant Communities
Sarah Robinson, Community Ecologist
Tel: (506) 364-2664
sarah.robinson@accdc.ca

Data Management, GIS
James Churchill, Data Manager
Tel: (902) 679-6146
james.churchill@accdc.ca

Billing
Jean Breau
Tel: (506) 364-2657
jean.breau@accdc.ca

Questions on the biology of Federal Species at Risk can be directed to AC CDC: (506) 364-2658, with questions on Species at Risk regulations to: Samara Eaton, Canadian Wildlife Service (NB and PE): (506) 364-5060 or Julie McKnight, Canadian Wildlife Service (NS): (902) 426-4196.

For provincial information about rare taxa and protected areas, or information about game animals, deer yards, old growth forests, archeological sites, fish habitat etc., in New Brunswick, please contact Hubert Askanas, Energy and Resource Development: (506) 453-5873.

For provincial information about rare taxa and protected areas, or information about game animals, deer yards, old growth forests, archeological sites, fish habitat etc., in Nova Scotia, please contact Donna Hurlburt, NS DLF: (902) 679-6886. To determine if location-sensitive species (section 4.3) occur near your study site please contact a NS DLF Regional Biologist:

Western: Duncan Bayne
(902) 648-3536
Duncan.Bayne@novascotia.ca

Western: Sarah Spencer
(902) 634-7555
Sarah.Spencer@novascotia.ca

Central: Shavonne Meyer
(902) 893-6350
Shavonne.Meyer@novascotia.ca

Central: Kimberly George
(902) 890-1046
Kimberly.George@novascotia.ca

Eastern: Lisa Doucette
(902) 863-4513
Lisa.Doucette@novascotia.ca

Eastern: Terry Power
(902) 563-3370
Terrance.Power@novascotia.ca

For provincial information about rare taxa and protected areas, or information about game animals, fish habitat etc., in Prince Edward Island, please contact Garry Gregory, PEI Dept. of Communities, Land and Environment: (902) 569-7595.

2.0 RARE AND ENDANGERED SPECIES

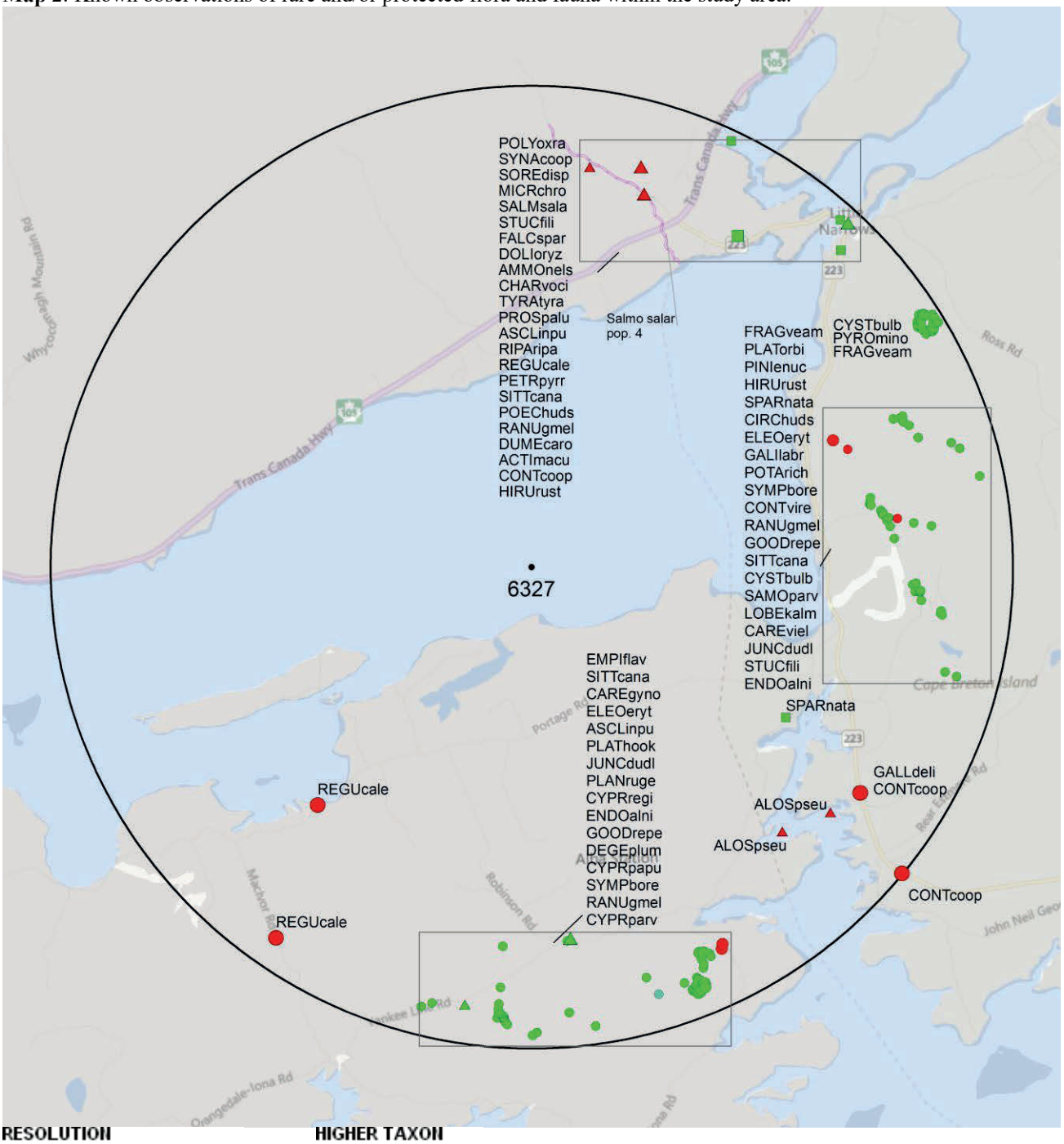
2.1 FLORA

The study area contains 122 records of 26 vascular, 2 records of 1 nonvascular flora (Map 2 and attached: *ob.xls).

2.2 FAUNA

The study area contains 43 records of 24 vertebrate, no records of invertebrate fauna (Map 2 and attached data files - see 1.1 Data List). Please see section 4.3 to determine if 'location-sensitive' species occur near your study site.

Map 2: Known observations of rare and/or protected flora and fauna within the study area.



3.0 SPECIAL AREAS

3.1 MANAGED AREAS

The GIS scan identified 1 managed area in the vicinity of the study area (Map 3 and attached file: *ma*.xls).

3.2 SIGNIFICANT AREAS

The GIS scan identified 1 biologically significant site in the vicinity of the study area (Map 3 and attached file: *sa*.xls).

Map 3: Boundaries and/or locations of known Managed and Significant Areas within the study area.



MANAGED AREAS
boundary
approximate

SIGNIFIGAINT AREAS
boundary
approximate
point location

4.0 RARE SPECIES LISTS

Rare and/or endangered taxa (excluding "location-sensitive" species, section 4.3) within the study area listed in order of concern, beginning with legally listed taxa, with the number of observations per taxon and the distance in kilometers from study area centroid to the closest observation (± the precision, in km, of the record). [P] = vascular plant, [N] = nonvascular plant, [A] = vertebrate animal, [I] = invertebrate animal, [C] = community. Note: records are from attached files *ob.xls/*ob.shp only.

4.1 FLORA

	Scientific *Name*	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
N	*Degelia plumbea*	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	4 Secure	2	4.6 ± 0.0
P	*Carex gynocrates*	Northern Bog Sedge				S1	2 May Be At Risk	6	4.7 ± 0.0
P	*Carex viridula var. elatior*	Greenish Sedge				S1	2 May Be At Risk	3	4.0 ± 0.0
P	*Eleocharis erythropoda*	Red-stemmed Spikerush				S1	2 May Be At Risk	2	4.7 ± 0.0
P	*Lobelia kalmii*	Brook Lobelia				S2	2 May Be At Risk	2	4.0 ± 0.0
P	*Galium labradoricum*	Labrador Bedstraw				S2	3 Sensitive	4	3.6 ± 0.0
P	*Cypripedium parviflorum var. pubescens*	Yellow Lady's-slipper				S2	3 Sensitive	1	4.7 ± 0.0
P	*Cypripedium reginae*	Showy Lady's-Slipper				S2	2 May Be At Risk	2	4.6 ± 0.0
P	*Potamogeton richardsonii*	Richardson's Pondweed				S2	2 May Be At Risk	1	3.7 ± 0.0
P	*Symphyotrichum boreale*	Boreal Aster				S2?	3 Sensitive	10	3.6 ± 0.0
P	*Polygonum oxyspermum ssp. raii*	Ray's Knotweed				S2S3	5 Undetermined	1	4.9 ± 5.0
P	*Cypripedium parviflorum*	Yellow Lady's-slipper				S2S3	3 Sensitive	2	4.6 ± 0.0
P	*Stuckenia filiformis*	Thread-leaved Pondweed				S2S3	3 Sensitive	3	4.1 ± 7.0
P	*Proserpinaca palustris*	Marsh Mermaidweed				S3	4 Secure	1	4.8 ± 5.0
P	*Plantago rugelii*	Rugel's Plantain				S3	4 Secure	1	3.9 ± 0.0
P	*Samolus parviflorus*	Seaside Brookweed				S3	3 Sensitive	1	3.8 ± 0.0
P	*Pyrola minor*	Lesser Pyrola				S3	3 Sensitive	1	4.8 ± 0.0
P	*Ranunculus gmelinii*	Gmelin's Water Buttercup				S3	4 Secure	15	3.7 ± 0.0
P	*Endotropis alnifolia*	alder-leaved buckthorn				S3	4 Secure	31	4.4 ± 0.0
P	*Juncus dudleyi*	Dudley's Rush				S3	4 Secure	2	4.1 ± 0.0
P	*Goodyera repens*	Lesser Rattlesnake-plantain				S3	3 Sensitive	2	4.2 ± 0.0
P	*Platanthera hookeri*	Hooker's Orchid				S3	4 Secure	1	3.9 ± 0.0
P	*Platanthera orbiculata*	Small Round-leaved Orchid				S3	4 Secure	1	4.5 ± 0.0
P	*Sparganium natans*	Small Burreed				S3	4 Secure	2	3.1 ± 5.0
P	*Asclepias incarnata ssp. pulchra*	Swamp Milkweed				S3?	5 Undetermined	2	3.9 ± 1.0
P	*Fragaria vesca ssp. americana*	Woodland Strawberry				S3S4	4 Secure	5	4.2 ± 0.0
P	*Cystopteris bulbifera*	Bulblet Bladder Fern				S3S4	4 Secure	20	4.0 ± 0.0

4.2 FAUNA

	Scientific *Name*	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
A	*Riparia riparia*	Bank Swallow	Threatened	Threatened	Endangered	S2S3B	2 May Be At Risk	1	4.1 ± 7.0
A	*Hirundo rustica*	Barn Swallow	Threatened	Threatened	Endangered	S2S3B	1 At Risk	3	3.4 ± 0.0
A	*Dolichonyx oryzivorus*	Bobolink	Threatened	Threatened	Vulnerable	S3S4B	3 Sensitive	1	4.1 ± 7.0
A	*Contopus cooperi*	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S2B	1 At Risk	4	4.1 ± 0.0
A	*Contopus virens*	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	3 Sensitive	1	3.8 ± 0.0
A	*Sorex dispar*	Long-tailed Shrew	Not At Risk	Special Concern		S2	3 Sensitive	2	4.2 ± 0.0
A	*Circus hudsonius*	Northern Harrier	Not At Risk			S3S4B	4 Secure	1	3.5 ± 0.0
A	*Ammospiza nelsoni*	Nelson's Sparrow	Not At Risk			S3S4B	4 Secure	1	4.1 ± 7.0
A	*Salmo salar*	Atlantic Salmon				S1	2 May Be At Risk	1	4.0 ± 1.0
A	*Microtus chrotorrhinus*	Rock Vole				S2	4 Secure	5	4.2 ± 0.0
A	*Petrochelidon pyrrhonota*	Cliff Swallow				S2S3B	2 May Be At Risk	2	4.1 ± 7.0
A	*Pinicola enucleator*	Pine Grosbeak				S2S3B,S5N	2 May Be At Risk	1	4.6 ± 0.0
A	*Poecile hudsonicus*	Boreal Chickadee				S3	3 Sensitive	1	4.1 ± 7.0
A	*Sitta canadensis*	Red-breasted Nuthatch				S3	4 Secure	3	3.7 ± 0.0

	Scientific *Name*	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)
A	*Alosa pseudoharengus*	Alewife				S3	3 Sensitive	2	3.8 ± 0.0
A	*Synaptomys cooperi*	Southern Bog Lemming				S3	4 Secure	2	4.2 ± 0.0
A	*Falco sparverius*	American Kestrel				S3B	4 Secure	1	4.1 ± 7.0
A	*Charadrius vociferus*	Killdeer				S3B	3 Sensitive	1	4.1 ± 7.0
A	*Gallinago delicata*	Wilson's Snipe				S3B	3 Sensitive	1	4.1 ± 0.0
A	*Tyrannus tyrannus*	Eastern Kingbird				S3B	3 Sensitive	2	4.1 ± 7.0
A	*Dumetella carolinensis*	Gray Catbird				S3B	2 May Be At Risk	1	4.1 ± 7.0
A	*Actitis macularius*	Spotted Sandpiper				S3S4B	3 Sensitive	1	4.1 ± 7.0
A	*Empidonax flaviventris*	Yellow-bellied Flycatcher				S3S4B	3 Sensitive	1	4.4 ± 0.0
A	*Regulus calendula*	Ruby-crowned Kinglet				S3S4B	3 Sensitive	4	3.3 ± 0.0

4.3 LOCATION SENSITIVE SPECIES

The Department of Natural Resources in each Maritimes province considers a number of species "location sensitive". Concern about exploitation of location-sensitive species precludes inclusion of precise coordinates in this report. Those intersecting your study area are indicated below with "YES".

Nova Scotia

Scientific *Name*	Common Name	SARA	Prov Legal Prot	Known within the Study Site?
Fraxinus nigra	**Black Ash**		**Threatened**	**Yes**
Emydoidea blandingii	*Blanding's Turtle - Nova Scotia pop.*	Endangered	Vulnerable	No
Glyptemys insculpta	Wood Turtle	Threatened	Threatened	No
Falco peregrinus pop. 1	Peregrine Falcon - anatum/tundrius pop.	Special Concern	Vulnerable	No
Bat Hibernaculum		[Endangered][1]	[Endangered][1]	No

1 *Myotis lucifugus* (Little Brown Myotis), *Myotis septentrionalis* (Long-eared Myotis), and *Perimyotis subflavus* (Tri-colored Bat or Eastern Pipistrelle) are all Endangered under the Federal Species at Risk Act and the NS Endangered Species Act.

4.4 SOURCE BIBLIOGRAPHY

The recipient of these data shall acknowledge the AC CDC and the data sources listed below in any documents, reports, publications or presentations, in which this dataset makes a significant contribution.

# recs	CITATION
75	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2015. Atlantic Canada Conservation Data Centre Fieldwork 2015. Atlantic Canada Conservation Data Centre, # recs.
26	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2014. Atlantic Canada Conservation Data Centre Fieldwork 2014. Atlantic Canada Conservation Data Centre, # recs.
23	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
14	Belliveau, A.G. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre, 10695 recs.
8	Benjamin, L.K. (compiler). 2001. Significant Habitat & Species Database. Nova Scotia Dept of Natural Resources, 15 spp, 224 recs.
6	Blaney, C.S.; Mazerolle, D.M. 2012. Fieldwork 2012. Atlantic Canada Conservation Data Centre, 13,278 recs.
5	Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.
3	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
3	Newell, R.E. 2005. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University, Web site: http://luxor.acadiau.ca/library/Herbarium/project/. 582 recs.
1	Benjamin, L.K. (compiler) 2012. Significant Habitat & Species Database. NS Dept of Natural Resources.
1	Erskine, A.J. 1992. Maritime Breeding Bird Atlas Database. NS Museum & Nimbus Publ., Halifax, 82,125 recs.
1	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
1	Pronych, G. & Wilson, A. 1993. Atlas of Rare Vascular Plants in Nova Scotia. Nova Scotia Museum, Halifax NS, I:1-168, II:169-331. 1446 recs.
1	Roland, A.E. & Smith, E.C. 1969. The Flora of Nova Scotia, 1st Ed. Nova Scotia Museum, Halifax, 743pp.
1	Scott, F.W. 1988. Status Report on the Gaspé Shrew (Sorex gaspensis) in Canada. Committee on the Status of Endangered Wildlife in Canada, 12 recs.
1	Staff, DNR 2007. Restricted & Limited Use Land Database (RLUL).

5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 17566 records of 133 vertebrate and 480 records of 47 invertebrate fauna; 6337 records of 281 vascular, 1170 records of 104 nonvascular flora (attached: *ob100km.xls).

Taxa within 100 km of the study site that are rare and/or endangered in the province in which the study site occurs (including "location-sensitive" species). All ranks correspond to the province in which the study site falls, even for out-of-province records. Taxa are listed in order of concern, beginning with legally listed taxa, with the number of observations per taxon and the distance in kilometers from study area centroid to the closest observation (± the precision, in km, of the record).

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
A	*Myotis lucifugus*	Little Brown Myotis	Endangered	Endangered	Endangered	S1	1 At Risk	36	27.8 ± 0.0	NS
A	*Myotis septentrionalis*	Northern Long-eared Myotis	Endangered	Endangered	Endangered	S1	1 At Risk	5	96.2 ± 0.0	PE
A	*Charadrius melodus melodus*	Piping Plover melodus ssp	Endangered	Endangered	Endangered	S1B	1 At Risk	589	32.7 ± 0.0	NS
A	*Sterna dougallii*	Roseate Tern	Endangered	Endangered	Endangered	S1B	1 At Risk	12	78.6 ± 7.0	NS
A	*Calidris canutus rufa*	Red Knot rufa ssp	Endangered	Endangered	Endangered	S2M	1 At Risk	135	41.5 ± 0.0	NS
A	*Rangifer tarandus pop. 2*	Woodland Caribou (Atlantic-Gasp├⌐sie pop.)	Endangered	Endangered	Extirpated	SX	0.1 Extirpated	1	91.1 ± 0.0	NS
A	*Antrostomus vociferus*	Eastern Whip-Poor-Will	Threatened	Threatened	Threatened	S1?B	1 At Risk	3	38.3 ± 0.0	NS
A	*Catharus bicknelli*	Bicknell's Thrush	Threatened	Special Concern	Endangered	S1S2B	1 At Risk	223	23.1 ± 7.0	NS
A	*Glyptemys insculpta*	Wood Turtle	Threatened	Threatened	Threatened	S2	3 Sensitive	71	8.2 ± 0.0	NS
A	*Acipenser oxyrinchus*	Atlantic Sturgeon	Threatened			S2	2 May Be At Risk	1	57.3 ± 0.0	NS
A	*Anguilla rostrata*	American Eel	Threatened			S2	4 Secure	2	6.7 ± 0.0	NS
A	*Chaetura pelagica*	Chimney Swift	Threatened	Threatened	Endangered	S2B,S1M	1 At Risk	64	21.4 ± 0.0	NS
A	*Riparia riparia*	Bank Swallow	Threatened	Threatened	Endangered	S2S3B	2 May Be At Risk	227	4.1 ± 7.0	NS
A	*Hirundo rustica*	Barn Swallow	Threatened	Threatened	Endangered	S2S3B	1 At Risk	402	3.4 ± 0.0	NS
A	*Cardellina canadensis*	Canada Warbler	Threatened	Threatened	Endangered	S3B	1 At Risk	214	6.9 ± 7.0	NS
A	*Dolichonyx oryzivorus*	Bobolink	Threatened	Threatened	Vulnerable	S3S4B	3 Sensitive	210	4.1 ± 7.0	NS
A	*Sturnella magna*	Eastern Meadowlark	Threatened	Threatened		SHB	3 Sensitive	2	78.6 ± 7.0	NS
A	*Hylocichla mustelina*	Wood Thrush	Threatened	Threatened		SUB	5 Undetermined	7	74.1 ± 7.0	NS
A	*Falco peregrinus pop. 1*	Peregrine Falcon - anatum/tundrius	Special Concern	Special Concern	Vulnerable	S1B,SNAM	3 Sensitive	4	46.0 ± 7.0	NS
A	*Bucephala islandica (Eastern pop.)*	Barrow's Goldeneye - Eastern pop.	Special Concern	Special Concern		S1N	1 At Risk	1	70.4 ± 16.0	NS
A	*Asio flammeus*	Short-eared Owl	Special Concern	Special Concern		S1S2B	2 May Be At Risk	7	25.8 ± 0.0	NS
A	*Euphagus carolinus*	Rusty Blackbird	Special Concern	Special Concern	Endangered	S2B	2 May Be At Risk	156	6.7 ± 0.0	NS
A	*Chordeiles minor*	Common Nighthawk	Special Concern	Threatened	Threatened	S2B	1 At Risk	77	6.6 ± 0.0	NS
A	*Contopus cooperi*	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S2B	1 At Risk	535	4.1 ± 7.0	NS
A	*Histrionicus histrionicus pop. 1*	Harlequin Duck - Eastern pop.	Special Concern	Special Concern	Endangered	S2N	1 At Risk	11	53.5 ± 7.0	NS
A	*Phalaropus lobatus*	Red-necked Phalarope	Special Concern			S2S3M	3 Sensitive	1	90.0 ± 0.0	NS
A	*Morone saxatilis pop. 1*	Striped Bass- Southern Gulf of St Lawrence pop.	Special Concern			S2S3N	2 May Be At Risk	1	78.3 ± 1.0	NS
A	*Chelydra serpentina*	Snapping Turtle	Special Concern	Special Concern	Vulnerable	S3	3 Sensitive	8	42.3 ± 10.0	NS
A	*Contopus virens*	Eastern Wood-Pewee	Special Concern	Special Concern	Vulnerable	S3S4B	3 Sensitive	175	3.8 ± 0.0	NS
A	*Coccothraustes vespertinus*	Evening Grosbeak	Special Concern		Vulnerable	S3S4B,S3N	4 Secure	206	6.9 ± 7.0	NS
A	*Chrysemys picta picta*	Eastern Painted Turtle	Special Concern			S4S5	4 Secure	1	95.9 ± 1.0	NS
A	*Lynx canadensis*	Canadian Lynx	Not At Risk		Endangered	S1	1 At Risk	153	20.2 ± 1.0	NS
A	*Accipiter cooperii*	Cooper's Hawk	Not At Risk			S1?B	5 Undetermined	1	63.6 ± 7.0	NS
A	*Fulica americana*	American Coot	Not At Risk			S1B	5 Undetermined	2	94.1 ± 0.0	PE
A	*Sorex dispar*	Long-tailed Shrew	Not At Risk	Special Concern		S2	3 Sensitive	18	4.2 ± 0.0	NS
A	*Aegolius funereus*	Boreal Owl	Not At Risk			S2?B	5 Undetermined	14	32.2 ± 7.0	NS
A	*Globicephala melas*	Long-finned Pilot Whale	Not At Risk			S2S3		6	74.8 ± 1.0	NS
A	*Hemidactylium scutatum*	Four-toed Salamander	Not At Risk			S3	4 Secure	18	31.4 ± 1.0	NS
A	*Sterna hirundo*	Common Tern	Not At Risk			S3B	3 Sensitive	408	6.9 ± 7.0	NS
A	*Sialia sialis*	Eastern Bluebird	Not At Risk			S3B	3 Sensitive	12	27.7 ± 7.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
A	*Buteo lagopus*	Rough-legged Hawk	Not At Risk			S3N	4 Secure	2	69.9 ± 4.0	NS
A	*Accipiter gentilis*	Northern Goshawk	Not At Risk			S3S4	4 Secure	76	12.6 ± 7.0	NS
A	*Circus hudsonius*	Northern Harrier	Not At Risk			S3S4B	4 Secure	220	3.5 ± 0.0	NS
A	*Ammospiza nelsoni*	Nelson's Sparrow	Not At Risk			S3S4B	4 Secure	79	4.1 ± 7.0	NS
A	*Morone saxatilis*	Striped Bass	E,E,SC			S2S3	2 May Be At Risk	4	49.1 ± 0.0	NS
A	*Martes americana*	American Marten			Endangered	S1	1 At Risk	29	13.2 ± 1.0	NS
A	*Alces americanus*	Moose			Endangered	S1	1 At Risk	13	28.7 ± 0.0	NS
A	*Salmo salar*	Atlantic Salmon				S1	2 May Be At Risk	88	4.0 ± 1.0	NS
A	*Picoides dorsalis*	American Three-toed Woodpecker				S1?	5 Undetermined	7	11.0 ± 0.0	NS
A	*Passerina cyanea*	Indigo Bunting				S1?B	5 Undetermined	3	68.2 ± 7.0	NS
A	*Uria aalge*	Common Murre				S1?B,S5N	4 Secure	3	68.9 ± 0.0	NS
A	*Nycticorax nycticorax*	Black-crowned Night-heron				S1B	2 May Be At Risk	1	72.9 ± 7.0	NS
A	*Anas acuta*	Northern Pintail				S1B	2 May Be At Risk	7	63.1 ± 0.0	NS
A	*Oxyura jamaicensis*	Ruddy Duck				S1B	4 Secure	2	88.0 ± 0.0	NS
A	*Haematopus palliatus*	American Oystercatcher				S1B	5 Undetermined	7	66.6 ± 7.0	NS
A	*Mimus polyglottos*	Northern Mockingbird				S1B	4 Secure	17	25.9 ± 7.0	NS
A	*Toxostoma rufum*	Brown Thrasher				S1B	5 Undetermined	3	66.7 ± 0.0	NS
A	*Vireo gilvus*	Warbling Vireo				S1B	5 Undetermined	7	32.0 ± 7.0	NS
A	*Calidris minutilla*	Least Sandpiper				S1B,S3M	4 Secure	224	41.5 ± 0.0	NS
A	*Charadrius semipalmatus*	Semipalmated Plover				S1B,S3S4M	4 Secure	334	37.6 ± 0.0	NS
A	*Pluvialis dominica*	American Golden-Plover				S1S2M	3 Sensitive	80	50.3 ± 0.0	NS
A	*Limosa haemastica*	Hudsonian Godwit				S1S2M	3 Sensitive	95	50.3 ± 0.0	NS
A	*Microtus chrotorrhinus*	Rock Vole				S2	4 Secure	26	4.2 ± 0.0	NS
A	*Vireo philadelphicus*	Philadelphia Vireo				S2?B	5 Undetermined	9	44.2 ± 7.0	NS
A	*Spatula clypeata*	Northern Shoveler				S2B	2 May Be At Risk	5	67.2 ± 0.0	NS
A	*Mareca strepera*	Gadwall				S2B	2 May Be At Risk	7	67.7 ± 0.0	NS
A	*Empidonax traillii*	Willow Flycatcher				S2B	3 Sensitive	4	60.6 ± 0.0	NS
A	*Setophaga tigrina*	Cape May Warbler				S2B	3 Sensitive	59	22.3 ± 7.0	NS
A	*Piranga olivacea*	Scarlet Tanager				S2B	5 Undetermined	4	6.9 ± 7.0	NS
A	*Pooecetes gramineus*	Vesper Sparrow				S2B	2 May Be At Risk	11	32.0 ± 7.0	NS
A	*Molothrus ater*	Brown-headed Cowbird				S2B	4 Secure	30	36.4 ± 7.0	NS
A	*Alca torda*	Razorbill				S2B,S4N	3 Sensitive	50	47.4 ± 7.0	NS
A	*Bucephala clangula*	Common Goldeneye				S2B,S5N	4 Secure	95	8.6 ± 7.0	NS
A	*Branta bernicla*	Brant				S2M	3 Sensitive	1	67.2 ± 16.0	NS
A	*Phalacrocorax carbo*	Great Cormorant				S2S3	3 Sensitive	322	30.0 ± 0.0	NS
A	*Asio otus*	Long-eared Owl				S2S3	2 May Be At Risk	21	32.2 ± 7.0	NS
A	*Spinus pinus*	Pine Siskin				S2S3	3 Sensitive	254	8.6 ± 7.0	NS
A	*Cathartes aura*	Turkey Vulture				S2S3B	3 Sensitive	2	94.4 ± 7.0	PE
A	*Rallus limicola*	Virginia Rail				S2S3B	5 Undetermined	6	44.1 ± 7.0	NS
A	*Tringa semipalmata*	Willet				S2S3B	2 May Be At Risk	510	6.9 ± 7.0	NS
A	*Petrochelidon pyrrhonota*	Cliff Swallow				S2S3B	2 May Be At Risk	112	4.1 ± 7.0	NS
A	*Pheucticus ludovicianus*	Rose-breasted Grosbeak				S2S3B	3 Sensitive	132	6.9 ± 7.0	NS
A	*Icterus galbula*	Baltimore Oriole				S2S3B	2 May Be At Risk	4	46.0 ± 7.0	NS
A	*Pinicola enucleator*	Pine Grosbeak				S2S3B,S5N	2 May Be At Risk	162	4.6 ± 0.0	NS
A	*Numenius phaeopus hudsonicus*	Hudsonian Whimbrel				S2S3M	3 Sensitive	155	37.6 ± 0.0	NS
A	*Calidris melanotos*	Pectoral Sandpiper				S2S3M	4 Secure	75	50.3 ± 0.0	NS
A	*Phalaropus fulicarius*	Red Phalarope				S2S3M	3 Sensitive	1	70.0 ± 0.0	NS
A	*Perisoreus canadensis*	Canada Jay				S3	3 Sensitive	334	5.4 ± 0.0	NS
A	*Poecile hudsonicus*	Boreal Chickadee				S3	3 Sensitive	668	4.1 ± 7.0	NS
A	*Sitta canadensis*	Red-breasted Nuthatch				S3	4 Secure	485	3.7 ± 0.0	NS
A	*Alosa pseudoharengus*	Alewife				S3	3 Sensitive	44	3.8 ± 0.0	NS
A	*Salvelinus fontinalis*	Brook Trout				S3	3 Sensitive	61	12.3 ± 0.0	NS
A	*Synaptomys cooperi*	Southern Bog Lemming				S3	4 Secure	10	4.2 ± 0.0	NS
A	*Pekania pennanti*	Fisher				S3	3 Sensitive	1	37.7 ± 0.0	NS
A	*Calidris maritima*	Purple Sandpiper				S3?N	3 Sensitive	26	45.9 ± 10.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
A	*Falco sparverius*	American Kestrel				S3B	4 Secure	221	4.1 ± 7.0	NS
A	*Charadrius vociferus*	Killdeer				S3B	3 Sensitive	185	4.1 ± 7.0	NS
A	*Gallinago delicata*	Wilson's Snipe				S3B	3 Sensitive	366	4.1 ± 0.0	NS
A	*Sterna paradisaea*	Arctic Tern				S3B	2 May Be At Risk	92	22.1 ± 0.0	NS
A	*Coccyzus erythropthalmus*	Black-billed Cuckoo				S3B	2 May Be At Risk	19	19.0 ± 7.0	NS
A	*Tyrannus tyrannus*	Eastern Kingbird				S3B	3 Sensitive	69	4.1 ± 7.0	NS
A	*Dumetella carolinensis*	Gray Catbird				S3B	2 May Be At Risk	125	4.1 ± 7.0	NS
A	*Cardellina pusilla*	Wilson's Warbler				S3B	3 Sensitive	89	8.6 ± 7.0	NS
A	*Tringa melanoleuca*	Greater Yellowlegs				S3B,S3S4M	3 Sensitive	476	6.2 ± 0.0	NS
A	*Rissa tridactyla*	Black-legged Kittiwake				S3B,S5N	3 Sensitive	76	65.5 ± 7.0	NS
A	*Fratercula arctica*	Atlantic Puffin				S3B,S5N	3 Sensitive	34	65.7 ± 0.0	NS
A	*Pluvialis squatarola*	Black-bellied Plover				S3M	4 Secure	344	37.6 ± 0.0	NS
A	*Tringa flavipes*	Lesser Yellowlegs				S3M	4 Secure	233	50.3 ± 0.0	NS
A	*Arenaria interpres*	Ruddy Turnstone				S3M	4 Secure	156	41.5 ± 0.0	NS
A	*Calidris pusilla*	Semipalmated Sandpiper				S3M	3 Sensitive	282	37.6 ± 0.0	NS
A	*Calidris fuscicollis*	White-rumped Sandpiper				S3M	4 Secure	160	41.5 ± 0.0	NS
A	*Limnodromus griseus*	Short-billed Dowitcher				S3M	4 Secure	162	50.3 ± 0.0	NS
A	*Calidris alba*	Sanderling				S3M,S2N	4 Secure	180	41.5 ± 0.0	NS
A	*Somateria mollissima*	Common Eider				S3S4	4 Secure	257	36.6 ± 7.0	NS
A	*Picoides arcticus*	Black-backed Woodpecker				S3S4	3 Sensitive	61	28.1 ± 7.0	NS
A	*Loxia curvirostra*	Red Crossbill				S3S4	4 Secure	31	23.7 ± 0.0	NS
A	*Sorex palustris*	American Water Shrew				S3S4	4 Secure	7	78.7 ± 1.0	NS
A	*Botaurus lentiginosus*	American Bittern				S3S4B	3 Sensitive	108	24.4 ± 7.0	NS
A	*Spatula discors*	Blue-winged Teal				S3S4B	2 May Be At Risk	89	8.6 ± 7.0	NS
A	*Actitis macularius*	Spotted Sandpiper				S3S4B	3 Sensitive	612	4.1 ± 7.0	NS
A	*Empidonax flaviventris*	Yellow-bellied Flycatcher				S3S4B	3 Sensitive	584	4.4 ± 0.0	NS
A	*Regulus calendula*	Ruby-crowned Kinglet				S3S4B	3 Sensitive	1457	3.3 ± 0.0	NS
A	*Catharus fuscescens*	Veery				S3S4B	4 Secure	152	5.7 ± 0.0	NS
A	*Catharus ustulatus*	Swainson's Thrush				S3S4B	4 Secure	960	5.4 ± 0.0	NS
A	*Oreothlypis peregrina*	Tennessee Warbler				S3S4B	3 Sensitive	139	15.6 ± 0.0	NS
A	*Setophaga castanea*	Bay-breasted Warbler				S3S4B	3 Sensitive	177	13.6 ± 7.0	NS
A	*Setophaga striata*	Blackpoll Warbler				S3S4B	3 Sensitive	192	18.1 ± 7.0	NS
A	*Passerella iliaca*	Fox Sparrow				S3S4B	4 Secure	264	13.6 ± 7.0	NS
A	*Mergus serrator*	Red-breasted Merganser				S3S4B,S5N	4 Secure	141	6.9 ± 7.0	NS
A	*Bucephala albeola*	Bufflehead				S3S4N	4 Secure	18	63.0 ± 11.0	NS
A	*Eremophila alpestris*	Horned Lark				SHB,S4S5N	4 Secure	2	75.9 ± 7.0	NS
A	*Morus bassanus*	Northern Gannet				SHB,S5M	4 Secure	38	38.9 ± 0.0	NS
A	*Aythya americana*	Redhead				SHB,SNAM	4 Secure	2	88.2 ± 15.0	NS
I	*Danaus plexippus*	Monarch	Endangered	Special Concern	Endangered	S2B	3 Sensitive	15	6.3 ± 0.0	NS
I	*Lampsilis cariosa*	Yellow Lampmussel	Special Concern	Special Concern	Threatened	S1	1 At Risk	37	56.3 ± 0.0	NS
I	*Alasmidonta varicosa*	Brook Floater	Special Concern		Threatened	S1S2	3 Sensitive	3	76.4 ± 0.0	NS
I	*Bombus terricola*	Yellow-banded Bumblebee	Special Concern		Vulnerable	S3	3 Sensitive	3	37.1 ± 0.0	NS
I	*Quedius spelaeus*	Spelean Rove Beetle				S1		1	62.0 ± 1.0	NS
I	*Papilio brevicauda bretonensis*	Short-tailed Swallowtail				S1	1 At Risk	15	26.5 ± 1.0	NS
I	*Somatochlora albicincta*	Ringed Emerald				S1	2 May Be At Risk	7	66.4 ± 0.0	NS
I	*Somatochlora brevicincta*	Quebec Emerald				S1	2 May Be At Risk	7	97.5 ± 0.0	NS
I	*Leucorrhinia patricia*	Canada Whiteface				S1	2 May Be At Risk	1	69.8 ± 0.0	NS
I	*Coenagrion interrogatum*	Subarctic Bluet				S1	2 May Be At Risk	2	45.6 ± 0.0	NS
I	*Leptodea ochracea*	Tidewater Mucket				S1	3 Sensitive	17	55.0 ± 1.0	NS
I	*Lycaena dorcas*	Dorcas Copper				S1?	6 Not Assessed	24	11.9 ± 0.0	NS
I	*Polygonia satyrus*	Satyr Comma				S1?	3 Sensitive	1	68.6 ± 1.0	NS
I	*Strymon melinus*	Grey Hairstreak				S1S2	4 Secure	1	37.0 ± 0.0	NS
I	*Nymphalis l-album*	Compton Tortoiseshell				S1S2	4 Secure	1	33.9 ± 1.0	NS
I	*Haematopota rara*	Shy Cleg				S1S3	5 Undetermined	2	48.3 ± 0.0	NS
I	*Lycaena dospassosi*	Salt Marsh Copper				S2	1 At Risk	1	32.3 ± 0.0	NS
I	*Boloria chariclea grandis*	Purple Lesser Fritillary				S2	3 Sensitive	7	33.3 ± 0.0	NS

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I	*Aglais milberti milberti*	Milbert's Tortoise Shell				S2	4 Secure	1	26.5 ± 1.0	NS
I	*Somatochlora septentrionalis*	Muskeg Emerald				S2	3 Sensitive	26	30.4 ± 0.0	NS
I	*Somatochlora williamsoni*	Williamson's Emerald				S2	2 May Be At Risk	10	30.3 ± 0.0	NS
I	*Margaritifera margaritifera*	Eastern Pearlshell				S2	3 Sensitive	97	18.6 ± 0.0	NS
I	*Pantala hymenaea*	Spot-Winged Glider				S2?B	3 Sensitive	2	33.4 ± 0.0	NS
I	*Thorybes pylades*	Northern Cloudywing				S2S3	3 Sensitive	4	22.8 ± 0.0	NS
I	*Euphydryas phaeton*	Baltimore Checkerspot				S2S3	4 Secure	9	17.6 ± 1.0	NS
I	*Gomphus descriptus*	Harpoon Clubtail				S2S3	3 Sensitive	16	13.0 ± 0.0	NS
I	*Ophiogomphus aspersus*	Brook Snaketail				S2S3	2 May Be At Risk	5	20.3 ± 0.0	NS
I	*Ophiogomphus mainensis*	Maine Snaketail				S2S3	2 May Be At Risk	1	97.2 ± 0.0	NS
I	*Somatochlora forcipata*	Forcipate Emerald				S2S3	2 May Be At Risk	9	18.9 ± 1.0	NS
I	*Alasmidonta undulata*	Triangle Floater				S2S3	4 Secure	5	47.9 ± 0.0	NS
I	*Iphthiminus opacus*	a Darkling Beetle				S3		1	13.6 ± 0.0	NS
I	*Speyeria aphrodite*	Aphrodite Fritillary				S3	4 Secure	2	73.7 ± 1.0	NS
I	*Polygonia faunus*	Green Comma				S3	4 Secure	13	20.7 ± 0.0	NS
I	*Oeneis jutta*	Jutta Arctic				S3	2 May Be At Risk	10	18.7 ± 0.0	NS
I	*Aeshna clepsydra*	Mottled Darner				S3	4 Secure	1	42.0 ± 0.0	NS
I	*Boyeria grafiana*	Ocellated Darner				S3	3 Sensitive	1	67.7 ± 1.0	NS
I	*Gomphaeschna furcillata*	Harlequin Darner				S3	3 Sensitive	3	13.0 ± 0.0	NS
I	*Somatochlora tenebrosa*	Clamp-Tipped Emerald				S3	4 Secure	2	40.3 ± 0.0	NS
I	*Nannothemis bella*	Elfin Skimmer				S3	4 Secure	3	34.6 ± 0.0	NS
I	*Sympetrum danae*	Black Meadowhawk				S3	3 Sensitive	15	31.6 ± 1.0	NS
I	*Enallagma vernale*	Vernal Bluet				S3	5 Undetermined	8	13.0 ± 0.0	NS
I	*Amphiagrion saucium*	Eastern Red Damsel				S3	4 Secure	23	8.0 ± 1.0	NS
I	*Polygonia interrogationis*	Question Mark				S3B	4 Secure	16	26.5 ± 1.0	NS
I	*Erynnis juvenalis*	Juvenal's Duskywing				S3S4	4 Secure	1	83.1 ± 1.0	NS
I	*Polygonia progne*	Grey Comma				S3S4	4 Secure	15	19.2 ± 0.0	NS
I	*Lanthus parvulus*	Northern Pygmy Clubtail				S3S4	4 Secure	22	18.9 ± 1.0	NS
I	*Lampsilis radiata*	Eastern Lampmussel				S3S4	3 Sensitive	14	23.0 ± 0.0	NS
N	*Erioderma pedicellatum (Atlantic pop.)*	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	S1	1 At Risk	280	8.9 ± 0.0	NS
N	*Pannaria lurida*	Wrinkled Shingle Lichen	Threatened		Threatened	S1S2	2 May Be At Risk	1	41.3 ± 0.0	NS
N	*Sclerophora peronella (Nova Scotia pop.)*	Frosted Glass-whiskers Lichen - Nova Scotia pop.	Special Concern	Special Concern		S1?		5	46.6 ± 0.0	NS
N	*Degelia plumbea*	Blue Felt Lichen	Special Concern	Special Concern	Vulnerable	S3	4 Secure	73	4.6 ± 0.0	NS
N	*Cladonia brevis*	Short Peg Lichen				S1		1	49.4 ± 0.0	NS
N	*Peltigera lepidophora*	Scaly Pelt Lichen				S1	2 May Be At Risk	2	12.8 ± 0.0	NS
N	*Gowardia nigricans*	Gray Witch's Beard Lichen				S1	6 Not Assessed	1	83.9 ± 1.0	NS
N	*Cavernularia hultenii*	Powdered Honeycomb Lichen				S1	2 May Be At Risk	1	94.3 ± 1.0	NS
N	*Metacalypogeia schusterana*	Schuster's Pouchwort				S1?	5 Undetermined	1	32.6 ± 0.0	NS
N	*Moerckia hibernica*	Irish Ruffwort				S1?		1	32.6 ± 0.0	NS
N	*Brachythecium erythrorrhizon*	Taiga Ragged Moss				S1?		2	32.6 ± 0.0	NS
N	*Calliergon richardsonii*	Richardson's Spear Moss				S1?		1	89.7 ± 0.0	NS
N	*Conardia compacta*	Coast Creeping Moss				S1?	3 Sensitive	2	26.0 ± 2.0	NS
N	*Entodon concinnus*	Lime Entodon Moss				S1?	3 Sensitive	2	84.6 ± 0.0	NS
N	*Grimmia laevigata*	a Moss				S1?	3 Sensitive	2	79.5 ± 0.0	NS
N	*Grimmia pilifera*	a Moss				S1?	3 Sensitive	2	84.6 ± 0.0	NS
N	*Hygrohypnum smithii*	Smith's Brook Moss				S1?	3 Sensitive	1	84.8 ± 0.0	NS
N	*Orthothecium strictum*	Shiny Erect-capsule Moss				S1?	3 Sensitive	2	84.6 ± 0.0	NS
N	*Paludella squarrosa*	Tufted Fen Moss				S1?	3 Sensitive	1	26.9 ± 5.0	NS
N	*Seligeria recurvata*	a Moss				S1?	3 Sensitive	1	98.0 ± 1.0	NS
N	*Seligeria tristichoides*	a Moss				S1?	3 Sensitive	1	98.0 ± 1.0	NS
N	*Timmia norvegica*	a moss				S1?	3 Sensitive	1	91.1 ± 50.0	NS
N	*Syntrichia ruralis*	a Moss				S1?	3 Sensitive	1	56.2 ± 1.0	NS
N	*Ulota curvifolia*	a Moss				S1?	3 Sensitive	1	79.5 ± 0.0	NS
N	*Plagiomnium ellipticum*	Marsh Leafy Moss				S1?	2 May Be At Risk	1	84.5 ± 2.0	NS

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N	*Flavocetraria nivalis*	Crinkled Snow Lichen				S1?	3 Sensitive	1	67.0 ± 0.0	NS
N	*Parmeliella parvula*	Poor-man's Shingles Lichen				S1?	2 May Be At Risk	6	49.1 ± 0.0	NS
N	*Buxbaumia minakatae*	Hump-Backed Elves				S1S2	3 Sensitive	1	31.4 ± 100.0	NS
N	*Ctenidium molluscum*	Mollusc Ctenidium moss				S1S2		1	77.5 ± 1.0	NS
N	*Dicranodontium denudatum*	Beaked Bow Moss				S1S2	3 Sensitive	2	84.6 ± 0.0	NS
N	*Dicranoweisia crispula*	Mountain Thatch Moss				S1S2	3 Sensitive	1	75.6 ± 0.0	NS
N	*Didymodon ferrugineus*	a moss				S1S2	3 Sensitive	2	96.3 ± 0.0	NS
N	*Mnium thomsonii*	Thomson's Leafy Moss				S1S2	3 Sensitive	2	96.3 ± 0.0	NS
N	*Plagiobryum zieri*	a Moss				S1S2	3 Sensitive	6	84.6 ± 0.0	NS
N	*Platydictya confervoides*	a Moss				S1S2	3 Sensitive	1	56.6 ± 3.0	NS
N	*Seligeria calcarea*	Chalk Brittle Moss				S1S2	3 Sensitive	2	96.3 ± 0.0	NS
N	*Sphagnum platyphyllum*	Flat-leaved Peat Moss				S1S2		2	15.5 ± 0.0	NS
N	*Hamatocaulis vernicosus*	a Moss				S1S2	3 Sensitive	2	12.1 ± 0.0	NS
N	*Schistidium trichodon*	a Moss				S1S2	3 Sensitive	2	96.3 ± 0.0	NS
N	*Anacamptodon splachnoides*	a Moss				S2?	3 Sensitive	1	97.0 ± 1.0	NS
N	*Anomodon viticulosus*	a Moss				S2?	3 Sensitive	7	96.3 ± 0.0	NS
N	*Atrichum angustatum*	Lesser Smoothcap Moss				S2?	3 Sensitive	3	36.5 ± 30.0	NS
N	*Campylium polygamum*	a Moss				S2?	5 Undetermined	1	95.1 ± 2.0	NS
N	*Campylium radicale*	Long-stalked Fine Wet Moss				S2?	5 Undetermined	1	15.4 ± 0.0	NS
N	*Dicranum condensatum*	Condensed Broom Moss				S2?	5 Undetermined	1	96.3 ± 0.0	PE
N	*Fontinalis hypnoides*	a moss				S2?	5 Undetermined	2	86.2 ± 1.0	NS
N	*Fontinalis sullivantii*	a Moss				S2?	3 Sensitive	1	31.4 ± 100.0	NS
N	*Grimmia anomala*	Mountain Forest Grimmia				S2?	3 Sensitive	3	52.9 ± 0.0	NS
N	*Hygrohypnum bestii*	Best's Brook Moss				S2?	3 Sensitive	2	99.7 ± 0.0	NS
N	*Kiaeria starkei*	Starke's Fork Moss				S2?	3 Sensitive	1	98.0 ± 1.0	NS
N	*Orthotrichum anomalum*	Anomalous Bristle Moss				S2?	3 Sensitive	1	79.5 ± 0.0	NS
N	*Philonotis marchica*	a Moss				S2?	5 Undetermined	2	96.8 ± 5.0	NS
N	*Platydictya jungermannioides*	False Willow Moss				S2?	3 Sensitive	4	30.8 ± 0.0	NS
N	*Pseudoleskea patens*	Patent Leskea Moss				S2?	3 Sensitive	4	91.2 ± 0.0	NS
N	*Pseudoleskea stenophylla*	Narrow-leaved Leskea Moss				S2?	3 Sensitive	6	94.0 ± 1.0	NS
N	*Rhytidium rugosum*	Wrinkle-leaved Moss				S2?	3 Sensitive	4	83.8 ± 0.0	NS
N	*Scorpidium scorpioides*	Hooked Scorpion Moss				S2?	3 Sensitive	9	6.7 ± 0.0	NS
N	*Seligeria donniana*	Donian Beardless Moss				S2?	3 Sensitive	3	95.1 ± 2.0	NS
N	*Sematophyllum marylandicum*	a Moss				S2?	3 Sensitive	4	84.5 ± 0.0	NS
N	*Tetraplodon angustatus*	Toothed-leaved Nitrogen Moss				S2?	3 Sensitive	2	88.8 ± 0.0	NS
N	*Tortella fragilis*	Fragile Twisted Moss				S2?	3 Sensitive	6	32.4 ± 0.0	NS
N	*Anomobryum filiforme*	a moss				S2?		5	83.8 ± 0.0	NS
N	*Cyrtomnium hymenophylloides*	Short-pointed Lantern Moss				S2?	3 Sensitive	6	33.4 ± 0.0	NS
N	*Platylomella lescurii*	a Moss				S2?	3 Sensitive	2	84.6 ± 1.0	NS
N	*Nephroma arcticum*	Arctic Kidney Lichen				S2?	2 May Be At Risk	1	32.2 ± 0.0	NS
N	*Peltigera collina*	Tree Pelt Lichen				S2?	3 Sensitive	17	15.8 ± 0.0	NS
N	*Platydictya subtilis*	Bark Willow Moss				S2S3	3 Sensitive	1	91.2 ± 0.0	NS
N	*Tetraplodon mnioides*	Entire-leaved Nitrogen Moss				S2S3	4 Secure	9	84.5 ± 0.0	NS
N	*Limprichtia revolvens*	a Moss				S2S3	3 Sensitive	6	11.9 ± 0.0	NS
N	*Cetraria muricata*	Spiny Heath Lichen				S2S3	5 Undetermined	4	83.9 ± 1.0	NS
N	*Fuscopannaria leucosticta*	Rimmed Shingles Lichen				S2S3	2 May Be At Risk	1	53.1 ± 0.0	NS
N	*Leptogium tenuissimum*	Birdnest Jellyskin Lichen				S2S3	6 Not Assessed	2	12.8 ± 0.0	NS
N	*Racodium rupestre*	Rockhair Lichen				S2S3	5 Undetermined	1	88.3 ± 0.0	NS
N	*Usnea mutabilis*	Bloody Beard Lichen				S2S3	3 Sensitive	1	18.6 ± 0.0	NS
N	*Collema tenax*	Soil Tarpaper Lichen				S3		2	12.7 ± 0.0	NS
N	*Sticta fuliginosa*	Peppered Moon Lichen				S3	3 Sensitive	3	45.1 ± 0.0	NS
N	*Fuscopannaria ahlneri*	Corrugated Shingles Lichen				S3	4 Secure	36	16.8 ± 0.0	NS
N	*Heterodermia speciosa*	Powdered Fringe Lichen				S3	4 Secure	1	50.8 ± 0.0	NS
N	*Leptogium corticola*	Blistered Jellyskin Lichen				S3	3 Sensitive	1	48.8 ± 0.0	NS

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N	*Leptogium lichenoides*	Tattered Jellyskin Lichen				S3	2 May Be At Risk	2	12.8 ± 0.0	NS
N	*Nephroma bellum*	Naked Kidney Lichen				S3	3 Sensitive	1	32.2 ± 0.0	NS
N	*Platismatia norvegica*	Oldgrowth Rag Lichen				S3	4 Secure	128	43.1 ± 0.0	NS
N	*Moelleropsis nebulosa*	Blue-gray Moss Shingle Lichen				S3	4 Secure	10	40.5 ± 0.0	NS
N	*Calliergon giganteum*	Giant Spear Moss				S3?	3 Sensitive	1	6.8 ± 0.0	NS
N	*Drummondia prorepens*	a Moss				S3?	3 Sensitive	5	74.9 ± 2.0	NS
N	*Anomodon tristis*	a Moss				S3?	3 Sensitive	2	75.3 ± 0.0	NS
N	*Mnium stellare*	Star Leafy Moss				S3?	5 Undetermined	2	32.6 ± 0.0	NS
N	*Anomodon rugelii*	Rugel's Anomodon Moss				S3S4	3 Sensitive	1	96.5 ± 0.0	NS
N	*Dicranella varia*	a Moss				S3S4	5 Undetermined	2	15.7 ± 0.0	NS
N	*Dicranum leioneuron*	a Dicranum Moss				S3S4	4 Secure	9	84.5 ± 0.0	NS
N	*Encalypta procera*	Slender Extinguisher Moss				S3S4	4 Secure	5	31.7 ± 0.0	NS
N	*Myurella julacea*	Small Mouse-tail Moss				S3S4	3 Sensitive	2	84.6 ± 0.0	NS
N	*Sphagnum lindbergii*	Lindberg's Peat Moss				S3S4	4 Secure	1	90.0 ± 0.0	NS
N	*Splachnum ampullaceum*	Cruet Dung Moss				S3S4	4 Secure	2	88.8 ± 0.0	NS
N	*Thamnobryum alleghaniense*	a Moss				S3S4	3 Sensitive	6	77.5 ± 1.0	NS
N	*Schistidium agassizii*	Elf Bloom Moss				S3S4	4 Secure	4	75.6 ± 0.0	NS
N	*Hylocomiastrum pyrenaicum*	a Feather Moss				S3S4	3 Sensitive	1	26.2 ± 3.0	NS
N	*Arctoparmelia incurva*	Finger Ring Lichen				S3S4	4 Secure	3	83.9 ± 1.0	NS
N	*Hypogymnia vittata*	Slender Monk's Hood Lichen				S3S4	4 Secure	72	44.3 ± 0.0	NS
N	*Cladonia floerkeana*	Gritty British Soldiers Lichen				S3S4	5 Undetermined	3	49.5 ± 0.0	NS
N	*Leptogium acadiense*	Acadian Jellyskin Lichen				S3S4		1	44.6 ± 0.0	NS
N	*Coccocarpia palmicola*	Salted Shell Lichen				S3S4	4 Secure	309	32.4 ± 0.0	NS
N	*Anaptychia palmulata*	Shaggy Fringed Lichen				S3S4	4 Secure	5	84.2 ± 0.0	NS
N	*Heterodermia neglecta*	Fringe Lichen				S3S4	4 Secure	8	12.7 ± 2.0	NS
P	*Juncus caesariensis*	New Jersey Rush	Special Concern	Special Concern	Vulnerable	S2	3 Sensitive	239	45.1 ± 5.0	NS
P	*Isoetes prototypus*	Prototype Quillwort	Special Concern	Special Concern	Vulnerable	S2	3 Sensitive	13	60.0 ± 0.0	NS
P	*Floerkea proserpinacoides*	False Mermaidweed	Not At Risk			S2	3 Sensitive	21	25.9 ± 1.0	NS
P	*Salix candida*	Sage Willow			Endangered	S1	2 May Be At Risk	42	28.4 ± 0.0	NS
P	*Thuja occidentalis*	Eastern White Cedar			Vulnerable	S1	1 At Risk	3	86.0 ± 7.0	NS
P	*Acer saccharinum*	Silver Maple				S1	5 Undetermined	1	65.6 ± 0.0	NS
P	*Sanicula odorata*	Clustered Sanicle				S1	2 May Be At Risk	6	26.4 ± 1.0	NS
P	*Zizia aurea*	Golden Alexanders				S1	2 May Be At Risk	7	75.7 ± 5.0	NS
P	*Arnica lonchophylla*	Northern Arnica				S1	2 May Be At Risk	11	36.6 ± 7.0	NS
P	*Bidens hyperborea*	Estuary Beggarticks				S1	2 May Be At Risk	3	44.1 ± 7.0	NS
P	*Nabalus racemosus*	Glaucous Rattlesnakeroot				S1	2 May Be At Risk	1	69.5 ± 3.0	NS
P	*Ageratina altissima*	White Snakeroot				S1	2 May Be At Risk	2	75.4 ± 1.0	NS
P	*Betula glandulosa*	Glandular Birch				S1	2 May Be At Risk	5	80.2 ± 7.0	NS
P	*Cardamine dentata*	Toothed Bittercress				S1	2 May Be At Risk	5	16.3 ± 0.0	NS
P	*Cochlearia tridactylites*	Limestone Scurvy-grass				S1	2 May Be At Risk	4	81.6 ± 0.0	NS
P	*Draba glabella*	Rock Whitlow-Grass				S1	2 May Be At Risk	3	79.5 ± 0.0	NS
P	*Draba norvegica*	Norwegian Whitlow-Grass				S1	2 May Be At Risk	8	52.5 ± 2.0	NS
P	*Stellaria crassifolia*	Fleshy Stitchwort				S1	2 May Be At Risk	2	8.4 ± 2.0	NS
P	*Hudsonia tomentosa*	Woolly Beach-heath				S1	2 May Be At Risk	7	70.0 ± 1.0	NS
P	*Diapensia lapponica*	Diapensia				S1	2 May Be At Risk	1	76.3 ± 0.0	NS
P	*Pinguicula vulgaris*	Common Butterwort				S1	2 May Be At Risk	6	76.3 ± 1.0	NS
P	*Utricularia ochroleuca*	Yellowish-white Bladderwort				S1	5 Undetermined	1	59.7 ± 1.0	NS
P	*Oxyria digyna*	Mountain Sorrel				S1	2 May Be At Risk	8	93.0 ± 0.0	NS
P	*Bistorta vivipara*	Alpine Bistort				S1	2 May Be At Risk	1	36.0 ± 1.0	NS
P	*Montia fontana*	Water Blinks				S1	2 May Be At Risk	2	46.2 ± 1.0	NS
P	*Anemone multifida*	Cut-leaved Anemone				S1	2 May Be At Risk	4	78.7 ± 1.0	NS
P	*Potentilla litoralis*	Coastal Cinquefoil				S1	0.1 Extirpated	4	83.8 ± 1.0	NS
P	*Salix vestita*	Hairy Willow				S1	2 May Be At Risk	1	84.8 ± 0.0	NS
P	*Saxifraga aizoides*	Yellow Mountain Saxifrage				S1	2 May Be At Risk	8	84.8 ± 0.0	NS
P	*Saxifraga oppositifolia*	Purple Mountain Saxifrage				S1	2 May Be At Risk	2	84.2 ± 1.0	NS
P	*Agalinis purpurea var.*	Small-flowered Purple False				S1		1	14.8 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
	parviflora	Foxglove								
P	*Pedicularis palustris*	Marsh Lousewort				S1	2 May Be At Risk	3	93.2 ± 0.0	NS
P	*Scrophularia lanceolata*	Lance-leaved Figwort				S1	5 Undetermined	2	31.6 ± 1.0	NS
P	*Carex alopecoidea*	Foxtail Sedge				S1	2 May Be At Risk	2	69.1 ± 0.0	NS
P	*Carex granularis*	Limestone Meadow Sedge				S1	2 May Be At Risk	21	5.2 ± 0.0	NS
P	*Carex gynocrates*	Northern Bog Sedge				S1	2 May Be At Risk	16	4.7 ± 0.0	NS
P	*Carex haydenii*	Hayden's Sedge				S1	2 May Be At Risk	2	15.1 ± 0.0	NS
P	*Carex rariflora*	Loose-flowered Alpine Sedge				S1	2 May Be At Risk	9	82.2 ± 5.0	NS
P	*Carex tenuiflora*	Sparse-Flowered Sedge				S1	2 May Be At Risk	3	48.0 ± 0.0	NS
P	*Carex tincta*	Tinged Sedge				S1	2 May Be At Risk	1	69.1 ± 1.0	NS
P	*Carex viridula var. elatior*	Greenish Sedge				S1	2 May Be At Risk	54	4.0 ± 0.0	NS
P	*Carex grisea*	Inflated Narrow-leaved Sedge				S1	2 May Be At Risk	6	79.6 ± 0.0	NS
P	*Carex saxatilis*	Russet Sedge				S1	2 May Be At Risk	7	93.5 ± 7.0	NS
P	*Cyperus lupulinus*	Hop Flatsedge				S1	2 May Be At Risk	5	69.3 ± 0.0	NS
P	*Cyperus lupulinus ssp. macilentus*	Hop Flatsedge				S1	2 May Be At Risk	8	70.0 ± 1.0	NS
P	*Eleocharis erythropoda*	Red-stemmed Spikerush				S1	2 May Be At Risk	6	4.7 ± 0.0	NS
P	*Rhynchospora capillacea*	Slender Beakrush				S1	2 May Be At Risk	8	12.2 ± 10.0	NS
P	*Blysmopsis rufa*	Red Bulrush				S1	2 May Be At Risk	1	71.2 ± 1.0	NS
P	*Iris prismatica*	Slender Blue Flag				S1	2 May Be At Risk	2	31.4 ± 0.0	NS
P	*Triantha glutinosa*	Sticky False-Asphodel				S1	2 May Be At Risk	15	28.4 ± 0.0	NS
P	*Malaxis monophyllos*	White Adder's-mouth				S1	2 May Be At Risk	1	60.0 ± 7.0	NS
P	*Bromus latiglumis*	Broad-Glumed Brome				S1	2 May Be At Risk	11	33.0 ± 0.0	NS
P	*Elymus wiegandii*	Wiegand's Wild Rye				S1	2 May Be At Risk	9	33.2 ± 0.0	NS
P	*Elymus hystrix*	Spreading Wild Rye				S1	2 May Be At Risk	1	88.5 ± 4.0	NS
P	*Hordeum brachyantherum*	Meadow Barley				S1	2 May Be At Risk	1	58.8 ± 0.0	NS
P	*Phleum alpinum*	Alpine Timothy				S1	2 May Be At Risk	7	57.3 ± 0.0	NS
P	*Torreyochloa pallida var. pallida*	Pale False Manna Grass				S1	0.1 Extirpated	2	67.2 ± 1.0	NS
P	*Graphephorum melicoides*	Purple False Oats				S1	2 May Be At Risk	4	46.6 ± 0.0	NS
P	*Sparganium androcladum*	Branching Bur-Reed				S1	2 May Be At Risk	2	15.3 ± 0.0	NS
P	*Equisetum palustre*	Marsh Horsetail				S1	2 May Be At Risk	8	33.1 ± 0.0	NS
P	*Botrychium lunaria*	Common Moonwort				S1	2 May Be At Risk	2	59.5 ± 1.0	NS
P	*Epilobium lactiflorum*	White-flowered Willowherb				S1?	2 May Be At Risk	1	92.3 ± 5.0	NS
P	*Bolboschoenus robustus*	Sturdy Bulrush				S1?	5 Undetermined	2	26.0 ± 5.0	NS
P	*Dichanthelium lindheimeri*	Lindheimer's Panicgrass				S1?	5 Undetermined	1	92.8 ± 1.0	NS
P	*Huperzia selago*	Northern Firmoss				S1?	2 May Be At Risk	2	66.2 ± 2.0	NS
P	*Fraxinus nigra*	Black Ash			Threatened	S1S2	1 At Risk	96	4.1 ± 0.0	NS
P	*Rudbeckia laciniata*	Cut-Leaved Coneflower				S1S2	2 May Be At Risk	1	77.1 ± 7.0	NS
P	*Arabis pycnocarpa*	Cream-flowered Rockcress				S1S2	2 May Be At Risk	7	58.4 ± 0.0	NS
P	*Cornus suecica*	Swedish Bunchberry				S1S2	3 Sensitive	22	70.7 ± 6.0	NS
P	*Anemone virginiana var. alba*	Virginia Anemone				S1S2	3 Sensitive	8	6.9 ± 1.0	NS
P	*Ranunculus sceleratus*	Cursed Buttercup				S1S2	2 May Be At Risk	6	34.3 ± 7.0	NS
P	*Parnassia parviflora*	Small-flowered Grass-of-Parnassus				S1S2	2 May Be At Risk	17	34.5 ± 3.0	NS
P	*Carex livida*	Livid Sedge				S1S2	2 May Be At Risk	27	40.0 ± 5.0	NS
P	*Juncus greenei*	Greene's Rush				S1S2	2 May Be At Risk	1	70.0 ± 1.0	NS
P	*Juncus alpinoarticulatus ssp. Rariflorus*					S1S2	2 May Be At Risk	13	16.3 ± 0.0	NS
P	*Juncus bulbosus*	Bulbous Rush				S1S2	5 Undetermined	12	74.7 ± 0.0	NS
P	*Platanthera huronensis*	Fragrant Green Orchid				S1S2	5 Undetermined	5	11.9 ± 0.0	NS
P	*Calamagrostis stricta ssp. stricta*	Slim-stemmed Reed Grass				S1S2	3 Sensitive	2	27.0 ± 1.0	NS
P	*Cinna arundinacea*	Sweet Wood Reed Grass				S1S2	2 May Be At Risk	24	31.4 ± 0.0	NS
P	*Festuca prolifera*	Proliferous Fescue				S1S2	3 Sensitive	6	75.2 ± 1.0	NS
P	*Sparganium hyperboreum*	Northern Burreed				S1S2	3 Sensitive	14	30.9 ± 1.0	NS

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P	*Cryptogramma stelleri*	Steller's Rockbrake				S1S2	2 May Be At Risk	17	9.1 ± 0.0	NS
P	*Woodsia alpina*	Alpine Cliff Fern				S1S2	2 May Be At Risk	10	61.3 ± 2.0	NS
P	*Selaginella selaginoides*	Low Spikemoss				S1S2	2 May Be At Risk	5	42.9 ± 0.0	NS
P	*Carex vacillans*	Estuarine Sedge				S1S3	5 Undetermined	2	69.1 ± 0.0	NS
P	*Conioselinum chinense*	Chinese Hemlock-parsley				S2	3 Sensitive	3	84.6 ± 0.0	NS
P	*Osmorhiza longistylis*	Smooth Sweet Cicely				S2	2 May Be At Risk	21	7.9 ± 10.0	NS
P	*Erigeron philadelphicus*	Philadelphia Fleabane				S2	3 Sensitive	8	6.9 ± 7.0	NS
P	*Solidago multiradiata*	Multi-rayed Goldenrod				S2	2 May Be At Risk	11	68.1 ± 2.0	NS
P	*Symphyotrichum ciliolatum*	Fringed Blue Aster				S2	3 Sensitive	1	53.5 ± 7.0	NS
P	*Impatiens pallida*	Pale Jewelweed				S2	3 Sensitive	10	8.6 ± 7.0	NS
P	*Caulophyllum thalictroides*	Blue Cohosh				S2	2 May Be At Risk	19	19.9 ± 0.0	NS
P	*Boechera stricta*	Drummond's Rockcress				S2	3 Sensitive	6	53.5 ± 1.0	NS
P	*Cardamine parviflora*	Small-flowered Bittercress				S2	3 Sensitive	9	64.0 ± 1.0	NS
P	*Draba arabisans*	Rock Whitlow-Grass				S2	3 Sensitive	14	15.3 ± 1.0	NS
P	*Lobelia kalmii*	Brook Lobelia				S2	2 May Be At Risk	95	4.0 ± 0.0	NS
P	*Stellaria humifusa*	Saltmarsh Starwort				S2	3 Sensitive	5	82.7 ± 0.0	NS
P	*Stellaria longifolia*	Long-leaved Starwort				S2	3 Sensitive	1	33.0 ± 0.0	NS
P	*Oxybasis rubra*	Red Goosefoot				S2	2 May Be At Risk	4	41.0 ± 2.0	NS
P	*Hudsonia ericoides*	Pinebarren Golden Heather				S2	3 Sensitive	11	85.9 ± 1.0	NS
P	*Hypericum majus*	Large St John's-wort				S2	3 Sensitive	2	13.6 ± 1.0	NS
P	*Crassula aquatica*	Water Pygmyweed				S2	3 Sensitive	6	38.5 ± 7.0	NS
P	*Oxytropis campestris var. johannensis*	Field Locoweed				S2	2 May Be At Risk	5	79.5 ± 0.0	NS
P	*Myriophyllum farwellii*	Farwell's Water Milfoil				S2	3 Sensitive	1	52.6 ± 7.0	NS
P	*Myriophyllum verticillatum*	Whorled Water Milfoil				S2	3 Sensitive	6	6.2 ± 0.0	NS
P	*Utricularia resupinata*	Inverted Bladderwort				S2	3 Sensitive	1	44.3 ± 0.0	NS
P	*Oenothera fruticosa ssp. tetragona*	Narrow-leaved Evening Primrose				S2	5 Undetermined	1	28.9 ± 1.0	NS
P	*Rumex triangulivalvis*	Triangular-valve Dock				S2	3 Sensitive	10	8.6 ± 7.0	NS
P	*Primula mistassinica*	Mistassini Primrose				S2	3 Sensitive	10	75.5 ± 1.0	NS
P	*Anemonastrum canadense*	Canada Anemone				S2	2 May Be At Risk	10	49.9 ± 3.0	NS
P	*Anemone quinquefolia*	Wood Anemone				S2	3 Sensitive	4	24.7 ± 1.0	NS
P	*Anemone virginiana*	Virginia Anemone				S2	3 Sensitive	23	25.3 ± 0.0	NS
P	*Caltha palustris*	Yellow Marsh Marigold				S2	3 Sensitive	34	22.2 ± 0.0	NS
P	*Galium labradoricum*	Labrador Bedstraw				S2	3 Sensitive	93	3.6 ± 0.0	NS
P	*Salix pedicellaris*	Bog Willow				S2	3 Sensitive	12	16.8 ± 0.0	NS
P	*Comandra umbellata*	Bastard's Toadflax				S2	2 May Be At Risk	28	12.6 ± 7.0	NS
P	*Saxifraga paniculata ssp. Laestadii*	Laestadius' Saxifrage				S2	3 Sensitive	16	18.2 ± 7.0	NS
P	*Viola nephrophylla*	Northern Bog Violet				S2	3 Sensitive	11	13.1 ± 0.0	NS
P	*Carex bebbii*	Bebb's Sedge				S2	3 Sensitive	30	5.4 ± 0.0	NS
P	*Carex capillaris*	Hairlike Sedge				S2	3 Sensitive	14	76.5 ± 1.0	NS
P	*Carex castanea*	Chestnut Sedge				S2	2 May Be At Risk	24	11.6 ± 0.0	NS
P	*Carex comosa*	Bearded Sedge				S2	3 Sensitive	1	38.9 ± 1.0	NS
P	*Carex hystericina*	Porcupine Sedge				S2	2 May Be At Risk	37	12.1 ± 5.0	NS
P	*Carex scirpoidea*	Scirpuslike Sedge				S2	3 Sensitive	13	55.0 ± 4.0	NS
P	*Carex tenera*	Tender Sedge				S2	3 Sensitive	3	54.6 ± 1.0	NS
P	*Carex tuckermanii*	Tuckerman's Sedge				S2	3 Sensitive	2	30.5 ± 0.0	NS
P	*Carex atratiformis*	Scabrous Black Sedge				S2	3 Sensitive	19	8.6 ± 7.0	NS
P	*Eleocharis quinqueflora*	Few-flowered Spikerush				S2	3 Sensitive	30	6.7 ± 0.0	NS
P	*Vallisneria americana*	Wild Celery				S2	2 May Be At Risk	2	62.3 ± 10.0	NS
P	*Juncus stygius ssp. americanus*	Moor Rush				S2	3 Sensitive	37	37.9 ± 7.0	NS
P	*Allium schoenoprasum*	Wild Chives				S2	2 May Be At Risk	1	65.8 ± 0.0	NS
P	*Allium schoenoprasum var. sibiricum*	Wild Chives				S2	2 May Be At Risk	8	46.6 ± 7.0	NS
P	*Lilium canadense*	Canada Lily				S2	2 May Be At Risk	20	8.6 ± 1.0	NS

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P	*Cypripedium parviflorum var. pubescens*	Yellow Lady's-slipper				S2	3 Sensitive	12	4.7 ± 0.0	NS
P	*Cypripedium parviflorum var. makasin*	Small Yellow Lady's-Slipper				S2	3 Sensitive	18	5.5 ± 0.0	NS
P	*Cypripedium reginae*	Showy Lady's-Slipper				S2	2 May Be At Risk	360	4.6 ± 0.0	NS
P	*Platanthera macrophylla*	Large Round-Leaved Orchid				S2	3 Sensitive	1	98.4 ± 0.0	NS
P	*Spiranthes lucida*	Shining Ladies'-Tresses				S2	2 May Be At Risk	26	25.2 ± 0.0	NS
P	*Calamagrostis stricta*	Slim-stemmed Reed Grass				S2	3 Sensitive	5	94.0 ± 0.0	PE
P	*Piptatheropsis canadensis*	Canada Ricegrass				S2	3 Sensitive	1	69.7 ± 0.0	NS
P	*Piptatheropsis pungens*	Slender Ricegrass				S2	3 Sensitive	1	82.3 ± 10.0	NS
P	*Potamogeton friesii*	Fries' Pondweed				S2	2 May Be At Risk	8	29.8 ± 0.0	NS
P	*Potamogeton richardsonii*	Richardson's Pondweed				S2	2 May Be At Risk	9	3.7 ± 0.0	NS
P	*Cystopteris laurentiana*	Laurentian Bladder Fern				S2	2 May Be At Risk	23	8.6 ± 10.0	NS
P	*Dryopteris fragrans*	Fragrant Wood Fern				S2	3 Sensitive	11	48.8 ± 7.0	NS
P	*Polystichum lonchitis*	Northern Holly Fern				S2	3 Sensitive	21	6.9 ± 7.0	NS
P	*Woodsia glabella*	Smooth Cliff Fern				S2	3 Sensitive	24	8.6 ± 7.0	NS
P	*Symphyotrichum boreale*	Boreal Aster				S2?	3 Sensitive	59	3.6 ± 0.0	NS
P	*Cuscuta cephalanthi*	Buttonbush Dodder				S2?	5 Undetermined	3	68.4 ± 7.0	NS
P	*Epilobium coloratum*	Purple-veined Willowherb				S2?	3 Sensitive	2	75.7 ± 0.0	NS
P	*Rumex persicarioides*	Peach-leaved Dock				S2?	2 May Be At Risk	1	15.4 ± 0.0	NS
P	*Crataegus submollis*	Quebec Hawthorn				S2?	5 Undetermined	1	95.2 ± 7.0	NS
P	*Eleocharis ovata*	Ovate Spikerush				S2?	3 Sensitive	2	63.5 ± 0.0	NS
P	*Scirpus pedicellatus*	Stalked Bulrush				S2?	3 Sensitive	4	32.4 ± 0.0	NS
P	*Hieracium robinsonii*	Robinson's Hawkweed				S2S3	3 Sensitive	41	48.7 ± 1.0	NS
P	*Iva frutescens*	Big-leaved Marsh-elder				S2S3	3 Sensitive	1	88.1 ± 4.0	NS
P	*Senecio pseudoarnica*	Seabeach Ragwort				S2S3	3 Sensitive	13	31.9 ± 0.0	NS
P	*Betula michauxii*	Michaux's Dwarf Birch				S2S3	3 Sensitive	10	88.2 ± 0.0	NS
P	*Sagina nodosa*	Knotted Pearlwort				S2S3	4 Secure	1	69.4 ± 5.0	NS
P	*Sagina nodosa ssp. borealis*	Knotted Pearlwort				S2S3	4 Secure	1	94.8 ± 5.0	PE
P	*Hypericum x dissimulatum*	Disguised St. John's-wort				S2S3	3 Sensitive	2	46.0 ± 2.0	NS
P	*Triosteum aurantiacum*	Orange-fruited Tinker's Weed				S2S3	3 Sensitive	123	8.1 ± 1.0	NS
P	*Shepherdia canadensis*	Soapberry				S2S3	3 Sensitive	140	30.0 ± 0.0	NS
P	*Empetrum atropurpureum*	Purple Crowberry				S2S3	3 Sensitive	9	69.6 ± 3.0	NS
P	*Euphorbia polygonifolia*	Seaside Spurge				S2S3	3 Sensitive	13	16.9 ± 1.0	NS
P	*Halenia deflexa*	Spurred Gentian				S2S3	3 Sensitive	43	20.0 ± 0.0	NS
P	*Hedeoma pulegioides*	American False Pennyroyal				S2S3	3 Sensitive	2	65.8 ± 1.0	NS
P	*Polygonum aviculare ssp. buxiforme*	Box Knotweed				S2S3	5 Undetermined	1	54.0 ± 7.0	NS
P	*Polygonum oxyspermum ssp. raii*	Ray's Knotweed				S2S3	5 Undetermined	16	4.9 ± 5.0	NS
P	*Amelanchier fernaldii*	Fernald's Serviceberry				S2S3	5 Undetermined	7	25.0 ± 1.0	NS
P	*Potentilla canadensis*	Canada Cinquefoil				S2S3	3 Sensitive	2	48.6 ± 2.0	NS
P	*Galium aparine*	Common Bedstraw				S2S3	3 Sensitive	1	79.7 ± 0.0	NS
P	*Salix pellita*	Satiny Willow				S2S3	3 Sensitive	5	20.2 ± 2.0	NS
P	*Carex adusta*	Lesser Brown Sedge				S2S3	3 Sensitive	3	93.5 ± 7.0	NS
P	*Carex hirtifolia*	Pubescent Sedge				S2S3	3 Sensitive	9	18.3 ± 0.0	NS
P	*Eleocharis flavescens*	Pale Spikerush				S2S3	3 Sensitive	3	83.6 ± 5.0	NS
P	*Eriophorum gracile*	Slender Cottongrass				S2S3	3 Sensitive	8	16.8 ± 0.0	NS
P	*Oreojuncus trifidus*	Highland Rush				S2S3	3 Sensitive	16	7.4 ± 0.0	NS
P	*Coeloglossum viride*	Long-bracted Frog Orchid				S2S3	2 May Be At Risk	16	93.2 ± 1.0	NS
P	*Cypripedium parviflorum*	Yellow Lady's-slipper				S2S3	3 Sensitive	99	4.6 ± 0.0	NS
P	*Poa glauca*	Glaucous Blue Grass				S2S3	3 Sensitive	19	9.1 ± 0.0	NS
P	*Stuckenia filiformis*	Thread-leaved Pondweed				S2S3	3 Sensitive	46	4.1 ± 7.0	NS
P	*Botrychium lanceolatum ssp. angustisegmentum*	Narrow Triangle Moonwort				S2S3	3 Sensitive	9	8.6 ± 7.0	NS
P	*Botrychium simplex*	Least Moonwort				S2S3	3 Sensitive	8	24.8 ± 5.0	NS

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P	*Ophioglossum pusillum*	Northern Adder's-tongue				S2S3	3 Sensitive	1	53.4 ± 5.0	NS
P	*Angelica atropurpurea*	Purple-stemmed Angelica				S3	4 Secure	30	27.8 ± 0.0	NS
P	*Erigeron hyssopifolius*	Hyssop-leaved Fleabane				S3	3 Sensitive	100	5.5 ± 0.0	NS
P	*Bidens beckii*	Water Beggarticks				S3	4 Secure	7	22.8 ± 0.0	NS
P	*Packera paupercula*	Balsam Groundsel				S3	4 Secure	142	5.5 ± 0.0	NS
P	*Betula pumila var. pumila*	Bog Birch				S3	3 Sensitive	13	22.3 ± 7.0	NS
P	*Betula pumila*	Bog Birch				S3	3 Sensitive	25	16.0 ± 0.0	NS
P	*Campanula aparinoides*	Marsh Bellflower				S3	3 Sensitive	2	7.5 ± 5.0	NS
P	*Mononeuria groenlandica*	Greenland Stitchwort				S3	3 Sensitive	1	84.5 ± 0.0	NS
P	*Viburnum edule*	Squashberry				S3	3 Sensitive	63	53.5 ± 7.0	NS
P	*Empetrum eamesii*	Pink Crowberry				S3	3 Sensitive	19	47.8 ± 0.0	NS
P	*Vaccinium boreale*	Northern Blueberry				S3	3 Sensitive	47	18.2 ± 7.0	NS
P	*Vaccinium cespitosum*	dwarf bilberry				S3	4 Secure	28	40.1 ± 7.0	NS
P	*Vaccinium uliginosum*	Alpine Bilberry				S3	3 Sensitive	20	61.0 ± 0.0	NS
P	*Bartonia virginica*	Yellow Bartonia				S3	4 Secure	1	35.2 ± 0.0	NS
P	*Proserpinaca palustris*	Marsh Mermaidweed				S3	4 Secure	49	4.8 ± 5.0	NS
P	*Teucrium canadense*	Canada Germander				S3	3 Sensitive	55	6.0 ± 0.0	NS
P	*Decodon verticillatus*	Swamp Loosestrife				S3	4 Secure	4	15.3 ± 7.0	NS
P	*Epilobium hornemannii*	Hornemann's Willowherb				S3	4 Secure	27	34.2 ± 2.0	NS
P	*Epilobium strictum*	Downy Willowherb				S3	3 Sensitive	20	6.8 ± 0.0	NS
P	*Polygala sanguinea*	Blood Milkwort				S3	3 Sensitive	1	62.4 ± 7.0	NS
P	*Persicaria pensylvanica*	Pennsylvania Smartweed				S3	4 Secure	11	7.9 ± 3.0	NS
P	*Fallopia scandens*	Climbing False Buckwheat				S3	3 Sensitive	12	31.9 ± 0.0	NS
P	*Plantago rugelii*	Rugel's Plantain				S3	4 Secure	1	3.9 ± 0.0	NS
P	*Primula laurentiana*	Laurentian Primrose				S3	4 Secure	1	45.1 ± 7.0	NS
P	*Samolus parviflorus*	Seaside Brookweed				S3	3 Sensitive	16	3.8 ± 0.0	NS
P	*Pyrola asarifolia*	Pink Pyrola				S3	4 Secure	32	18.8 ± 0.0	NS
P	*Pyrola minor*	Lesser Pyrola				S3	3 Sensitive	21	4.8 ± 0.0	NS
P	*Ranunculus gmelinii*	Gmelin's Water Buttercup				S3	4 Secure	96	3.7 ± 0.0	NS
P	*Endotropis alnifolia*	alder-leaved buckthorn				S3	4 Secure	459	4.4 ± 0.0	NS
P	*Agrimonia gryposepala*	Hooked Agrimony				S3	4 Secure	220	5.3 ± 0.0	NS
P	*Amelanchier spicata*	Running Serviceberry				S3	4 Secure	6	42.3 ± 0.0	NS
P	*Galium kamtschaticum*	Northern Wild Licorice				S3	4 Secure	54	14.7 ± 1.0	NS
P	*Geocaulon lividum*	Northern Comandra				S3	4 Secure	18	49.5 ± 0.0	NS
P	*Limosella australis*	Southern Mudwort				S3	4 Secure	9	43.8 ± 5.0	NS
P	*Lindernia dubia*	Yellow-seeded False Pimperel				S3	4 Secure	2	33.2 ± 0.0	NS
P	*Laportea canadensis*	Canada Wood Nettle				S3	3 Sensitive	17	26.9 ± 2.0	NS
P	*Verbena hastata*	Blue Vervain				S3	4 Secure	20	7.9 ± 0.0	NS
P	*Carex cryptolepis*	Hidden-scaled Sedge				S3	4 Secure	17	6.7 ± 0.0	NS
P	*Carex eburnea*	Bristle-leaved Sedge				S3	3 Sensitive	164	5.0 ± 0.0	NS
P	*Carex lupulina*	Hop Sedge				S3	4 Secure	6	75.8 ± 0.0	NS
P	*Carex rosea*	Rosy Sedge				S3	4 Secure	4	27.4 ± 5.0	NS
P	*Carex tribuloides*	Blunt Broom Sedge				S3	4 Secure	9	30.8 ± 0.0	NS
P	*Carex wiegandii*	Wiegand's Sedge				S3	3 Sensitive	47	17.3 ± 0.0	NS
P	*Carex foenea*	Fernald's Hay Sedge				S3	4 Secure	3	88.0 ± 0.0	NS
P	*Eleocharis nitida*	Quill Spikerush				S3	4 Secure	2	99.6 ± 0.0	NS
P	*Elodea canadensis*	Canada Waterweed				S3	4 Secure	8	26.1 ± 0.0	NS
P	*Juncus subcaudatus*	Woods-Rush				S3	3 Sensitive	10	44.5 ± 0.0	NS
P	*Juncus dudleyi*	Dudley's Rush				S3	4 Secure	63	4.1 ± 0.0	NS
P	*Goodyera oblongifolia*	Menzies' Rattlesnake-plantain				S3	3 Sensitive	27	34.2 ± 3.0	NS
P	*Goodyera repens*	Lesser Rattlesnake-plantain				S3	3 Sensitive	31	4.2 ± 0.0	NS
P	*Neottia bifolia*	Southern Twayblade				S3	4 Secure	51	8.6 ± 7.0	NS
P	*Platanthera grandiflora*	Large Purple Fringed Orchid				S3	4 Secure	23	7.5 ± 5.0	NS
P	*Platanthera hookeri*	Hooker's Orchid				S3	4 Secure	6	3.9 ± 0.0	NS
P	*Platanthera orbiculata*	Small Round-leaved Orchid				S3	4 Secure	13	4.5 ± 0.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	Prov GS Rank	# recs	Distance (km)	Prov
P	*Spiranthes ochroleuca*	Yellow Ladies'-tresses				S3	4 Secure	6	11.3 ± 0.0	NS
P	*Alopecurus aequalis*	Short-awned Foxtail				S3	4 Secure	19	29.9 ± 0.0	NS
P	*Potamogeton obtusifolius*	Blunt-leaved Pondweed				S3	4 Secure	22	18.7 ± 1.0	NS
P	*Potamogeton praelongus*	White-stemmed Pondweed				S3	3 Sensitive	17	13.6 ± 0.0	NS
P	*Potamogeton zosteriformis*	Flat-stemmed Pondweed				S3	3 Sensitive	12	15.6 ± 7.0	NS
P	*Sparganium natans*	Small Burreed				S3	4 Secure	18	3.1 ± 5.0	NS
P	*Asplenium trichomanes*	Maidenhair Spleenwort				S3	4 Secure	27	18.8 ± 0.0	NS
P	*Asplenium viride*	Green Spleenwort				S3	3 Sensitive	35	9.1 ± 0.0	NS
P	*Equisetum pratense*	Meadow Horsetail				S3	3 Sensitive	22	17.3 ± 0.0	NS
P	*Equisetum variegatum*	Variegated Horsetail				S3	4 Secure	38	16.4 ± 0.0	NS
P	*Isoetes acadiensis*	Acadian Quillwort				S3	3 Sensitive	10	59.9 ± 1.0	NS
P	*Diphasiastrum sitchense*	Sitka Ground-cedar				S3	4 Secure	10	26.4 ± 5.0	NS
P	*Huperzia appressa*	Mountain Firmoss				S3	3 Sensitive	23	27.2 ± 1.0	NS
P	*Sceptridium dissectum*	Dissected Moonwort				S3	4 Secure	3	53.4 ± 5.0	NS
P	*Polypodium appalachianum*	Appalachian Polypody				S3	5 Undetermined	5	5.9 ± 0.0	NS
P	*Asclepias incarnata ssp. pulchra*	Swamp Milkweed				S3?	5 Undetermined	57	3.9 ± 1.0	NS
P	*Diphasiastrum x sabinifolium*	Savin-leaved Ground-cedar				S3?	4 Secure	9	15.1 ± 1.0	NS
P	*Atriplex glabriuscula var. franktonii*	Frankton's Saltbush				S3S4	4 Secure	9	21.8 ± 2.0	NS
P	*Suaeda calceoliformis*	Horned Sea-blite				S3S4	4 Secure	5	42.4 ± 1.0	NS
P	*Myriophyllum sibiricum*	Siberian Water Milfoil				S3S4	4 Secure	17	6.4 ± 0.0	NS
P	*Sanguinaria canadensis*	Bloodroot				S3S4	4 Secure	148	14.9 ± 0.0	NS
P	*Polygonum fowleri*	Fowler's Knotweed				S3S4	4 Secure	1	76.6 ± 0.0	NS
P	*Rumex fueginus*	Tierra del Fuego Dock				S3S4	4 Secure	2	94.4 ± 0.0	PE
P	*Fragaria vesca ssp. americana*	Woodland Strawberry				S3S4	4 Secure	72	4.2 ± 0.0	NS
P	*Salix petiolaris*	Meadow Willow				S3S4	4 Secure	8	16.7 ± 0.0	NS
P	*Carex argyrantha*	Silvery-flowered Sedge				S3S4	4 Secure	3	18.7 ± 0.0	NS
P	*Eriophorum russeolum*	Russet Cottongrass				S3S4	4 Secure	4	15.9 ± 0.0	NS
P	*Triglochin gaspensis*	Gasp ├⌐ Arrowgrass				S3S4	5 Undetermined	8	16.7 ± 0.0	NS
P	*Juncus acuminatus*	Sharp-Fruit Rush				S3S4	4 Secure	4	5.0 ± 4.0	NS
P	*Luzula parviflora*	Small-flowered Woodrush				S3S4	4 Secure	44	27.1 ± 5.0	NS
P	*Liparis loeselii*	Loesel's Twayblade				S3S4	4 Secure	16	10.9 ± 1.0	NS
P	*Panicum philadelphicum*	Philadelphia Panicgrass				S3S4	4 Secure	1	20.2 ± 0.0	NS
P	*Trisetum spicatum*	Narrow False Oats				S3S4	4 Secure	20	7.4 ± 0.0	NS
P	*Cystopteris bulbifera*	Bulblet Bladder Fern				S3S4	4 Secure	418	4.0 ± 0.0	NS
P	*Equisetum hyemale ssp. affine*	common scouring-rush				S3S4	4 Secure	36	8.6 ± 10.0	NS
P	*Equisetum scirpoides*	Dwarf Scouring-Rush				S3S4	4 Secure	76	7.0 ± 0.0	NS
P	*Diphasiastrum complanatum*	Northern Ground-cedar				S3S4	4 Secure	6	15.3 ± 5.0	NS
P	*Schizaea pusilla*	Little Curlygrass Fern				S3S4	4 Secure	34	31.2 ± 0.0	NS
P	*Viola canadensis*	Canada Violet				SH	0.1 Extirpated	1	25.8 ± 0.0	NS
P	*Poa alpina*	Alpine Blue Grass				SH	0.1 Extirpated	2	65.7 ± 0.0	NS
P	*Botrychium minganense*	Mingan Moonwort				SH	0.1 Extirpated	1	60.1 ± 1.0	NS
P	*Solidago randii*	Rand's Goldenrod				SNA		1	73.4 ± 5.0	NS

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The recipient of these data shall acknowledge the AC CDC and the data sources listed below in any documents, reports, publications or presentations, in which this dataset makes a significant contribution.

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From: Feehan, Jennifer
Sent: August 17, 2021 2:01 PM
To: Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Urgent Update to Network Review request for AQ#5013/AQ#1431

Hi Rachel,

I am following up as a reminder that your review of the Applicant's response (see attached) to CWS's comments for the new experimental application AQ#5013 is outstanding.

If you could please provide feedback by **August 20, 2021**, that would be greatly appreciated.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: August 17, 2021 3:11 PM
To: MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>; Gautreau,Rachel (ECCC) <rachel.gautreau@ec.gc.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: FW: Urgent Update to Network Review request for AQ#5013/AQ#1431

Hi Paul,

I received an out of office from Rachel Gautreau that included your contact information. Nova Scotia Department of Fisheries and Aquaculture is requesting final feedback from CWS on aquaculture file AQ#5013 for a new experimental site in South Aberdeen, Whycocomagh Bay. This file is linked to application AQ#1431 for a new site in the same location, and Rachel indicated her comments were the same for AQ#1431 and AQ#5013.

I have included Rachel's original comments to the applicant, along with the applicant's response with appendices. Could you please advise if we could get final feedback from CWS on AQ#5013 as soon as possible as this is an urgent file.

Thank you,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Feehan, Jennifer
Sent: August 24, 2021 9:59 AM
To: paul.h.macdonald@ec.gc.ca; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Urgent Update to Network Review request for AQ#5013/AQ#1431

Hi Paul,

I am following up to ensure you have received my previous email and see if it is possible to have a response from CWS by **August 27, 2021**.

If you would like to discuss this request, please do not hesitate to reach out to me at 902-237-0771.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>
Sent: September 2, 2021 3:52 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Gautreau,Rachel (ECCC) <rachel.gautreau@ec.gc.ca>; Cormier,Jacinthe (ECCC) <Jacinthe.Cormier@ec.gc.ca>; Worthman,Sydney (ECCC) <Sydney.Worthman@ec.gc.ca>; MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>
Subject: ECCC-CWS Comments RE: Urgent Update to Network Review request for AQ#5013/AQ#1431

Hi Jennifer,
I'm responding to your request on behalf of Rachel Gautreau who is on leave. Environment and Climate Change Canada's Canadian Wildlife Service (ECCC-CWS) has reviewed the proponent's responses to ECCC-CWS previous comments related to aquaculture site AQ#5013 New Experimental Site for the Open Net Finfish Aquaculture of Rainbow Trout, Whycocomagh Bay, South Aberndeen, NS.

While the proponent has clarified mitigation measures to avoid bird entanglements with bird/predator nets (e.g. keeping bird nets tight and free of slack, etc.), a plan with procedure for staff to deal with bird entanglement was not included; the proponent requested additional guidance on this matter.

ECCC-CWS does not currently have protocols available for migratory bird entanglements related to finfish aquaculture operations, however, the following sections of *Procedures for handling and documenting stranded birds encountered on infrastructure offshore Atlantic Canada* (ECCC, 2017)(attached) may be relevant and can be taken into consideration in preparing a plan to deal with this scenario should it occur:

- Section 1.5: recommends various equipment to be used to minimize stress to birds and mitigate any risk of injury to personnel while handling migratory birds;
- Section 2.2.2 and 2.3: discusses general techniques for the safe capture and handling of live stranded birds;
- Section 2.5: discusses guidelines for releasing various species of birds at sea;
- Attached is a photo card of common seabirds of Atlantic Canada which may assist the proponent and staff in identifying bird species prior to handling;

As part of the plan, ECCC-CWS also recommends identifying contacts for the nearest certified wildlife rehabilitator which can provide recommendations for transport of injured birds to their facility.

In the event that staff encounter a migratory bird which requires to be put in a box for rest and recovery, or if the proper handling protocols are uncertain, the proponent is encouraged to contact ECCC-CWS for further guidance (see section 1.6 of ECCC 2017 protocol for contact information).

Note: The bycatch (i.e. entanglement) of migratory birds in fishing and aquaculture nets is considered incidental take for which there are no *Migratory Bird Convention Act* permits available.

Attachments:

- *Procedures for handling and documenting stranded birds encountered on infrastructure offshore Atlantic Canada* (ECCC, 2017)
- Photo card of common seabirds of Atlantic Canada (ECCC, 2017)

Please do not hesitate to contact me should you have any questions or concerns related to above-noted advice.

Monique

Monique Breau

Coordinatrice d'évaluation environnementale, Service canadien de la faune
Environnement et Changement climatique Canada / Gouvernement du Canada
Monique.Breau@ec.gc.ca

Environmental Assessment Coordinator, Canadian Wildlife Service
Environment and Climate Change Canada / Government of Canada
Monique.Breau@ec.gc.ca



Proceedure_Handling_StrandedBirds_C



Seabird Identification Photo

Environment and Climate Change Canada
Environnement et Changement climatique Canada

Procedures for handling and documenting stranded birds encountered on infrastructure offshore Atlantic Canada



Canada

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Public Inquiries Centre
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200 Sacré-Coeur Boulevard
Gatineau QC K1A 0H3
Telephone: 819-997-2800
Toll Free: 1-800-668-6767 (in Canada only)
Email: ec.enviroinfo.ec@canada.ca

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1 BACKGROUND

1.1 Document Purpose

This document is intended to provide personnel working on offshore infrastructure (i.e., oil and gas platforms, supply vessels, etc.) with safe and effective procedures for dealing with and documenting live and dead stranded birds.

Disclaimer - The information presented here constitutes advice only. All persons must adhere to all pertinent laws (for example provincial or territorial laws), regulations and permit requirements including but not restricted to the "Migratory Birds Convention Act, 1994" (MBCA) and the "Migratory Birds Regulations" (MBR). It is important to note that some species of birds protected under the MBCA have also been listed in Schedule 1 of the Species at Risk Act (SARA). These species receive protection from both the MBCA and SARA.

This advice does not provide an authorization for harming or killing migratory birds or for the disturbance, destruction or taking of nests or eggs under the MBR. It does not provide a guarantee that the activities will avoid contravening the MBR or other laws and regulations. This is general information not intended to be relied on as official advice concerning the legal consequences of any specific activity. It is not a substitute for the MBCA, the MBR, or any other legislation.

1.2 Supporting documents (as APPENDICES)

Stranded Bird Encounter Datasheet – used for documenting and reporting all live and dead stranded birds (Appendix 1).

Infographic - Procedures for handling and documenting stranded birds – used as a quick reference guide to identify the most appropriate course of action when stranded birds are encountered (Appendix 2).

Common Seabirds of Atlantic Canada – used to help identify the most common seabirds found offshore Atlantic Canada (Appendix 3).

1.3 Bird attraction to coastal and offshore infrastructure

Birds can be attracted to offshore platforms, drilling rigs, and support vessels for a variety of reasons, which can include roosting and/or foraging opportunities, as well as attraction to potentially disorienting light sources. Light sources can include floodlights, operational deck lighting, and flares, which may be particularly attractive at night and in foggy or otherwise inclement weather. Attraction to light sources may result in the collision of birds with lit structures and incineration or partial incineration in flares. In Atlantic

Canada, nocturnal migrants and night-flying seabirds (e.g., storm-petrels) are the birds most at risk of attraction to lights.

1.4 Authorization for capture and handling of migratory birds

The capture and handling of migratory birds requires authorization under the "Migratory Birds Convention Act" and "Migratory Bird Regulations", which can be obtained by contacting:

Canadian Wildlife Service (CWS) – Atlantic Region
Environment and Climate Change Canada
17 Waterfowl Lane
Sackville, NB, E4L 1G6
ec.scfatlpermis-cwsatlpermits.ec@canada.ca

See section 1.6 for contact information when CWS needs be contacted immediately.

1.5 Equipment required for capture and handling of live birds

Most capture and handling of stranded birds can be conducted safely and effectively without specialized equipment. However, all personnel should refer to their companies' Occupational Health and Safety Procedures to identify and minimize potential hazards.

We recommend the following list of equipment be available on offshore infrastructure to help minimize stress to the bird and mitigate any risk of injury to personnel. Please note, all equipment that is used for the capture and handling of stranded birds should be cleaned thoroughly, disinfected, or discarded, as appropriate after use.

1.5.1 Personal protective equipment (PPE) for personnel

- Protective barrier gloves (e.g., disposable plastic, nitrile, or rubber gloves) appropriate for the type of bird handled. Consider heavier-duty gloves (e.g., thick leather, PVC, or plastic gloves) when handling larger birds. Gloves should be clean and free from grease and oil.

- Eye protection (e.g., clear safety glasses, wrap-around sun glasses, or face-shield) is required when handling large birds such as herons, gulls, and gannets (use extreme caution when handling any large bird, or avoid handling altogether as they can be dangerous).

1.5.2 Equipment for the safe and effective capture and handling of live birds

- Box or animal carrier - Cardboard boxes are best for holding migratory birds because the boxes provide a calm, dark environment, and will not damage feathers to the extent that hard-sided animal carriers may. Ventilation holes must be cut or punched into cardboard boxes prior to the placement of birds. The bottom of the box should be lined (see below) to allow the bird to stand without slipping. The box should be large enough to allow the bird to stand. Do not house or transport birds in transparent carriers (e.g., wire cages or aquariums).

- Blankets, sheets, towels or pillow cases (based on size of bird) - for corralling and capturing birds. Pillow cases also work well for short-term transportation and holding of birds until they can be placed into a cardboard box. Towels or a piece of clean carpet can be used to line or pad the box to prevent slipping.

- Nets - Smaller and more agile birds may be better captured with hand-held nets (e.g., butterfly nets with long handles). These are especially useful when birds are in hard-to reach corners or under equipment.

- Field guides and/or cameras (including cell phone cameras) are useful for species identification. Identifying the species can help inform decisions regarding the housing, maintenance, transport, and release of the bird. The images on the "Common Seabirds of Atlantic Canada" (Appendix 3) can help in identifying the most common seabirds found in Atlantic Canada, and the following are useful field guides for birds in general:

- "The Sibley Field Guide to Birds of Eastern North America" (Sibley)
- "A Field Guide to North Atlantic Wildlife" (Proctor & Lynch)
- "Beached Birds – A COASST Field Guide to the North Atlantic" (Hass & Parrish) for identification of dead birds.

1.6 Reporting live and dead stranded birds

All birds found stranded on platforms and vessels should be documented (section 4). Documentation should include photographs whenever possible. The documentation should be sent to CWS annually, or as specified under the conditions of the authorization.

Some circumstances require immediate (within 48 hours) reporting to CWS:

- one or more Species at Risk found alive or dead on platform or vessel;

- 10 or more birds stranded or found dead during a single event or day;

- Any birds found injured or oiled that may require transport to mainland facilities for release or rehabilitation; or

- Any birds for which the identification, status or proper handling protocols are uncertain.

Nova Scotia
Carina Gjerdrum: (902) 426-9641, (902) 233-2506 (cell);
carina.gjerdrum@canada.ca

Newfoundland and Labrador
Sabina Wilhelm: (709) 772-5568, (709) 764-1957 (cell);
sabina.wilhelm@canada.ca

Alternate contact
Becky Whittam: (506) 364-5189, (506) 224- 0152 (cell);
becky.whittam@canada.ca

Though the majority of birds fall under federal jurisdiction, some species (such as owls, raptors, and crows) are the responsibility of provincial governments. If you are unsure, CWS staff listed above can direct you to the appropriate provincial agency, if required.

2 LIVE STRANDED BIRDS: GENERAL PROCEDURES

When live birds are stranded on offshore vessels or platforms, their rapid capture, stabilization, and release can significantly increase their chances of survival. Documentation of the stranding will help to inform mitigation strategies that can minimize impacts on bird populations.

Refer to the "Infographic - Procedures for handling and documenting stranded birds" (Appendix 2) as a quick reference guide to identify the most appropriate course of action when stranded birds are encountered.

2.1 Identify type of bird (i.e., species) that has stranded

Field guides are a useful tool to aid in species identification (section 1.5.2), but when the identification of a species is in doubt, contact CWS (section 1.6). Take a photograph of the bird whenever possible to help confirm species identification.

The "Pelagic Seabirds of Atlantic Canada" is a reference card associated with this document (Appendix 3) that shows images of the most common seabirds found offshore Atlantic Canada.

2.1.1 Birds that may become stranded

Leach's Storm-Petrels (*Oceanodroma leucorhoa*) are abundant, small seabirds that frequently become stranded on vessels and platforms at night. A similar species that may also be found stranded is the **Wilson's Storm-Petrel** (*Oceanites oceanicus*). Storm-Petrels account for 97% of stranded birds reported on offshore platforms and vessels operating on the Grand Banks, Newfoundland and Labrador. The period of greatest risk of attraction to lights on vessels appears to be at the end of the breeding season (September and October) when adults and newly fledged chicks are dispersing from the colonies and migrating to their offshore wintering grounds.

Murre (*Uria* spp.), **Atlantic Puffin** (*Fratercula arctica*), **Razorbill** (*Alca torda*) and **Dovekie** (*Alle alle*) are diving birds that spend a large proportion of their time floating on the surface of the ocean, which makes them highly susceptible to oiling at sea. These migratory birds occasionally strand on platforms and supply vessels.

Other seabirds that occasionally become stranded on vessels or platforms include **shearwaters**, **gannets**, and **gulls**, although these are less likely to be oiled and more likely to be injured or resting.

A number of globally rare seabird species, such as the **Bermuda Petrel** (*Pterodroma cahow*) and **Black-capped Petrel** (*P. hasitata*), are particularly vulnerable to fatal light attraction due to their low population size. Take a photograph if species identification is not certain and contact CWS (section 1.6) for instructions on proper handling, care, and release or collection.

Landbirds include **songbirds** (e.g., sparrows, warblers finches), **waders** (e.g., plovers, sandpipers, herons), and **birds of prey** (e.g., owls, hawks, falcons) that typically do not occur at sea outside of brief migratory periods, but often inhabit coastal areas. Landbirds account for approximately 1% of strandings recorded on offshore platforms and vessels operating on the Grand Banks, Newfoundland and Labrador, but are more frequently found stranded on platforms and vessels in the Sable Island Banks production area. Landbirds typically interact with offshore vessels or platforms during spring or fall migration, particularly during periods of high wind or fog.

2.1.2 Species at Risk

For the purposes of this document, Species at Risk are considered species (or sub-species) listed in Schedules 1, 2 or 3 of the Species at Risk Act and/or assessed by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) as endangered, threatened or special concern. If any of these species are found stranded alive or dead on offshore platforms or vessels, contact CWS (section 1.6) for instructions on proper handling, care,

and release or collection. The latest list can be found on the Species at Risk Public Registry (www.sararegistry.gc.ca).

2.2 Identify issue and follow course of action

When a migratory bird is observed on a platform or vessel, it may be resting or it may be truly stranded. A stranded bird may require assistance to leave the structure if it is trapped, exhausted, or wet.

At other times, a stranded bird may be injured and unable to leave the structure under its own power. Identifying the exact nature, cause, and severity of an injury can be very difficult and will often require consultation with an expert. Injured and oiled birds may require expert care whereas other birds may simply need some assistance to be released at sea.

Furthermore, in many cases, birds may recover best if left alone. The following points describe what should be done when stranded birds are observed.

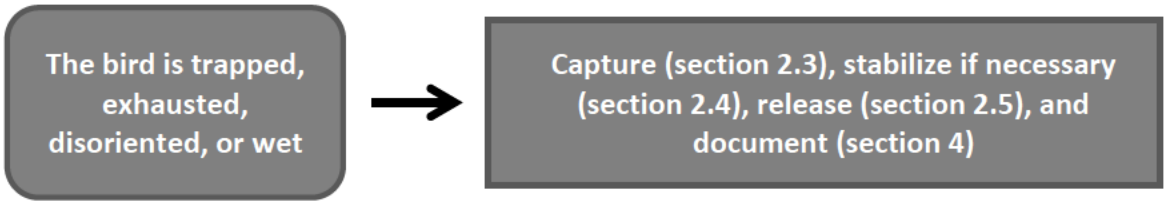
2.2.1 Bird is resting



- A bird that is resting on deck or a railing and is still able to fly and/or walk freely, or is able to leave the platform unassisted.

- Some resting birds may stay with a vessel for several days until they are ready to depart.

2.2.2 Bird is trapped, exhausted, disoriented, or wet



- **Do not attempt to capture birds of prey or large birds (e.g., herons, cormorants, gannets and gulls) as they are able to inflict significant injuries. Contact CWS for further instruction (section 1.6).**

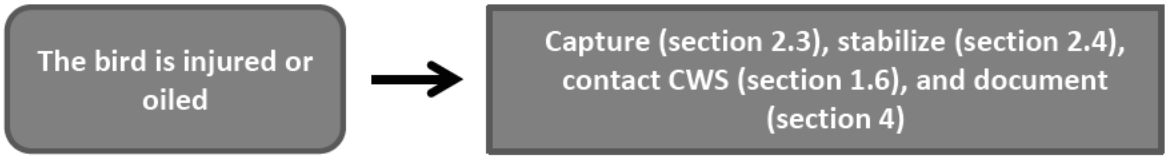
- Most birds that are trapped on deck or in cabins may be captured (section 2.3) and released immediately (section 2.5) if they are not exhausted, disoriented, wet, injured, or oiled.

- Exhausted birds (e.g., those that remain seated or laying on deck for long periods and when approached, cannot fly away or hide in a corner) and wet birds should be captured (section 2.3), placed in a cardboard box in a dry, quiet location (section 2.4), examined every few hours to determine level of activity, and when appear recovered, released as appropriate (section 2.5).

- After a collision, some birds may be disoriented but otherwise uninjured. If the disoriented bird is easily captured, keep it in a box for a few hours to rest and recover (section 2.4), then release at sea (section 2.5).

It is important to determine if a bird is simply wet or if its feathers are coated with oil (some dark birds may appear to be oiled when the feathers are only wet). See section 2.2.3 for information concerning identifying and handling oiled birds.

2.2.3 Bird is injured or oiled



- Birds may sometimes become injured from a collision with a platform or vessel infrastructure.

Broken wing – the wing is held at awkward angle or dangling when standing, walking, or flying. A bird with a broken wing will not survive on its own and should be kept in a darkened box (section 2.4) until further instruction from CWS.

Broken leg or foot – the bird walks or stands with a limp. Some birds may survive with broken legs and may be difficult to capture. Consult with CWS (section 1.6) as some birds with this type of injury may fare best if left alone or released at sea (section 2.5).

- Birds can be oiled at sea or may become oiled when moving around on vessel or platform decks or beneath machinery. Even small amounts of oil or grease can harm a bird's ability to maintain waterproofing, which is the key to feathers' insulation value. Loss of insulation can quickly lead to hypothermia and death.

Confirm presence of oil by

- **looking for oil smudges on glove, towel or paper towel;**
- **feeling for a sticky or filmy substance on feathers;**
- **smelling the feathers for petroleum-like scents.**

Do NOT try to clean an oiled bird. Cleaning an oiled bird requires authorization under the Migratory Bird Regulations, specialized training, and proper facilities.

2.3 Safe capture and handling of live stranded birds

Ensure that personnel always use the appropriate PPE (section 1.5.1) when capturing and handling wildlife, and follow these general rules:

1. **Never attempt to capture a bird if your safety is at risk**. If you are uncomfortable or unable to capture a stranded bird on your own, seek assistance. Do not attempt to capture a bird of prey or large, long-necked birds such as herons, cormorants, gannets, and gulls. The talons and bill can cause serious injury.

2. **Safety first** - for both personnel and the birds. Have appropriate and clean equipment ready (section 1.5). Proper precautions must be taken and safety equipment must be worn during capture and handling (e.g., gloves and eye protection).

3. **Minimize stress to the animal.** House and transport birds in a closed, darkened box or carrier. This is safer and less stressful to the bird.

2.3.1 General techniques

- Briefly examine birds to identify the species and look for signs of injury, oiling, and wetness. What you find will determine the course of action (section 2.2).

- Use towels, blankets, jackets, or sheets to corral the bird into a corner. Gently throw the towel/blanket over the entire bird. Darkness will help calm birds while transferring them to a box. Smaller and more agile birds may be better captured with hand-held nets (e.g., butterfly nets).

Storm-Petrels can be collected by hand as they are easy to pick up, poor walkers, and will not fly up off the deck if the area is well-lit.

Use gloves and eye protection for larger birds, such as murres, puffins, and shearwaters. If possible, secure the bill by firmly but gently, holding it and the head from outside of the blanket or towel.

- Wrap the bird in the towel/blanket, holding securely but gently while handling. When lifting a bird, hold its wings flush to its body in order to prevent flapping, which could lead to injury to the bird.

- If necessary, transfer the bird to a box with adequate ventilation (section 2.4) as soon as possible and gently unwrap the towel or blanket.

- Immediately after handling any birds, dispose of gloves and thoroughly wash hands with soap. Wash clothes if necessary.

2.4 Stabilization of live stranded birds

After capture, stabilization of the bird is important for its rest and recovery. The following are some key points for maintaining birds in preparation for release at sea, or for transportation to the mainland, if required. Remember to always use appropriate PPE when handling the birds (section 1.5.1).

- Keep bird(s) in a cardboard box with adequate ventilation. If possible, keep only one bird per box. However, if multiple stranded birds need stabilization, they can be kept in the same box provided they are not overcrowded. If it is necessary to keep more than one bird in a box, they should all be of the same species. Larger birds (e.g., waders) should be kept in their own box. Long-legged birds (e.g., yellowlegs, whimbrel, and willet) should be kept in a box that is tall enough to allow the birds to remain standing.

- If the bird is suspected of being oiled, it should be kept in a box until further instruction is received from CWS (section 2.2.3). Oiled birds should be kept individually in separate boxes in order to avoid cross-contamination.

- The bottom of the box should be padded with towels to absorb water/oil and provide padding for legs and feet. Avoid other bedding types (i.e., long strips of paper) that may lead to entanglement, especially for smaller species.

- Change towels when wet or oiled.

- A small dish of water can be provided to songbirds, but not to other species and only if they are able to stand. No food should be given to any of the birds in captivity.

- Keep the box in a quiet, cool (but indoors), and dark location.

- Birds should be monitored regularly (every 1-2 hours) for panting as birds can overheat as they recover. If a bird is found to be panting, move the box to a cooler location or increase ventilation.

- If transportation to the mainland is necessary, it should be done within 24 to 48 hours, if possible.

2.5 Releasing birds at sea

Depending on the severity of the birds' injuries and overall condition, some birds may be released at sea. If unsure of the best course of action, contact CWS (section 1.6). Remember to always use appropriate PPE when handling the birds (section 1.5.1).

Storm-Petrels should be released at night to avoid predation from gulls. In circumstances where there are no gulls in the vicinity, the storm-petrels can be released during the day. The stranded storm-petrel should be brought to the forward quarter of the vessel or a poorly lit corner of the platform where the bird will not be attracted to lights or flares and strand itself again. Release by gently letting go of the bird over the side, pointing it away from the vessel/platform.

Other seabirds can be released at sea by gently tossing the bird over the leeward side of the vessel/platform so that wind or waves do not blow the birds back onto the deck.

Landbirds (e.g., songbirds and waders) can be released at sea by placing them on a high perch, somewhere out of the wind where the bird has the opportunity to fly away when it is ready to do so. Depending on the birds' condition, it may remain with the vessel or platform.

Table 1. Considerations for capture and handling of birds that may get stranded.

Bird type	Tips for quick identification	Considerations for capture
Seabirds	• Webbed feet • Bill deep but narrow, pointed or hooked at the tip • Typically black, white, and/or grey • Often poor/awkward walking on deck • Shearwaters, storm-petrels, gannets, murres, puffins, gulls, cormorants.	• Storm-petrels can be caught by hand • Other species of seabird are best captured by throwing towel/blanket over body • All will likely try to bite, and larger species may cause injuries – use gloves and eye protection and secure bill under towel/blanket (shearwaters, murres, puffins) • Do not attempt to capture gannets, gulls or cormorants
Songbirds	• Short thin legs, feet not webbed • Bill short, but thin (warblers) or stubby (sparrows and finches) • Small, typically brown or any mix of colours (black, yellow, red, white.) • Agile, quick flight, often hopping and perching • Sparrows, warblers, finches, etc.	• Corral into corner of a room • Most easily captured with hand-held net • May or may not bite
Waders	• Long thin legs, feet not webbed • Bill generally long and thin however plovers have short beaks. • Small to large, typically brown or grey • Agile, good at walking or running • Plovers, sandpipers, herons	• Plovers and sandpipers: corral into corner of a room, using a net or light towel/sheet for capture • Do not attempt to capture herons - may bite or strike with beak
Birds of prey	• Very strong legs, feet, with long talons • Bill hooked • Medium to large, typically brown or grey • Strong, agile flyers that will most often be found perched on vessel/platform looking to hunt smaller birds • Owls, hawks, falcons	• Do not attempt to capture • Talons and bill can cause serious injury • Contact CWS who will direct the call to the appropriate provincial agency

3 DEAD STRANDED BIRDS: GENERAL PROCEDURES

Dead birds are occasionally found on offshore vessels or platforms. Documentation and/or collection (with appropriate PPE, section 1.5.1) of dead birds will help wildlife managers determine the cause of death.

3.1 Less than 10 birds found dead (in the same event), no Species at Risk, and no oiled bird(s)



- If species identification is uncertain, take a photograph of the dead bird(s). Send the photograph to CWS to confirm species and that the dead bird is not a Species at Risk.
- Document the date, location, species, number of birds that were found, bird condition (i.e., oiled or unoiled), and bird fate using the "Stranded Bird Encounter Datasheet" (Appendix 1).
- After documentation, carcass(es) may be disposed of at sea.

3.2 More than 10 birds found dead (in the same event), Species at Risk, or oiled bird(s)



- When more than 10 individual migratory birds are found stranded in a 24 hour period (and they are not oiled), contact CWS as well as the Canadian Coast Guard Environmental Emergencies Line (1-800-565-1633).
- If you suspect you have a Species at Risk, take a photograph and contact CWS to confirm.

  - While wearing disposable gloves, place dead birds in a plastic bag (any type) and tie it shut.
  - Document (section 4) the event using the "Stranded Bird Encounter Datasheet" (Appendix 1).
  - Contact CWS and arrange to ship to the appropriate CWS contact person as soon as possible (section 1.6).

- If the bird(s) is oiled, contact CWS as well as the Canadian Coast Guard Environmental Emergencies Line (1-800-565-1633).

  - To avoid cross-contamination, individually wrap each bird in aluminum foil and place in its own bag. It is vital that clean gloves are used prior to handling each oiled bird, and that oiled birds are wrapped in foil as soon as they are found.
  - Write date, location and name of collector directly on the bag with permanent marker and attach the data collection form to the bag (or put inside the bag).
  - Document (section 4) the event using the "Stranded Bird Encounter Datasheet" (Appendix 1).
  - Contact CWS and arrange to ship to the appropriate CWS contact person as soon as possible (section 1.6).

- Store any collection bag(s) in a cool place (e.g., outdoors during winter or in portable cooler with ice packs) that is sheltered from scavenging birds.

- After removing and disposing of gloves, thoroughly wash hands with hot water and soap.

4 DOCUMENTATION OF STRANDED BIRDS

Documentation of stranded birds will help to inform mitigation strategies to minimize impacts on bird populations. **All stranded birds (live and dead) should be documented** using the "Stranded Bird Encounter Datasheet" (Appendix 1). The documentation should be sent to CWS annually, or as specified under the conditions of the authorization (section 1.4).

The following fields are used for recording information on stranded bird encounters:

- **Name of facility, vessel or platform** – record the name of the facility, vessel or platform on which the stranded bird was found.

- **General activity** - describe the activity of the facility, vessel or platform (i.e., seismic exploration, drilling, refinery, etc.).

- **Description of search effort** - describe how and where stranded birds are searched for (e.g., opportunistically, systematic searches, etc.)

- **Date** – record the date that the bird(s) was encountered.

- **Location** – record the latitude/longitude of the facility, vessel or platform where bird(s) was encountered, or location name.

- **Bird species** – identify the species encountered. If the identity of the species is in question, take a photograph, if possible.

- **Total number of stranded birds** – indicate the number of birds encountered.

- **Condition of bird(s) when found** –indicate the number of stranded bird(s) found dead, alive, and/or the number found oiled.

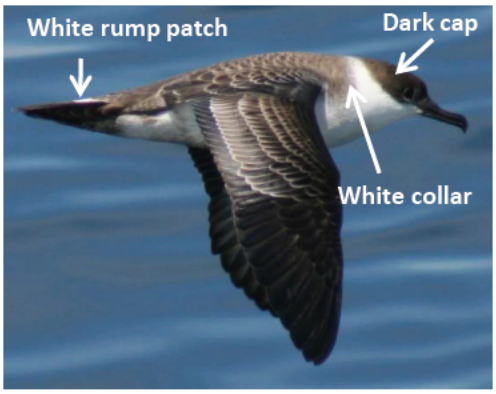
- **Action taken** – document the number of stranded birds that were disposed of at sea, released alive, sent ashore, and/or died in care.

- **Weather** – indicate whether there was fog and/or rain at the time of the stranding.

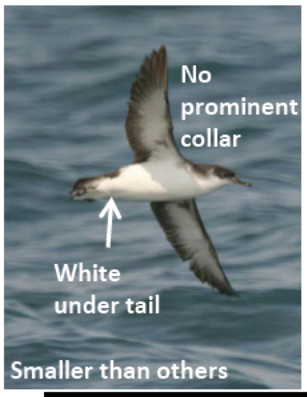
Common Seabirds of Atlantic Canada

Shearwaters

Great Shearwater



Manx Shearwater



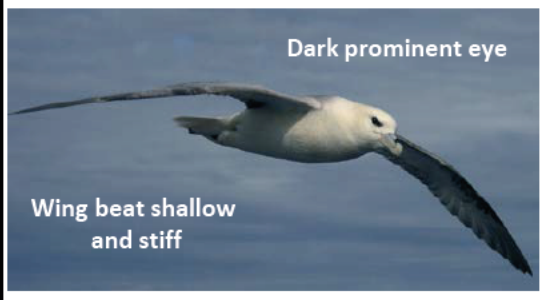
Sooty Shearwater



Cory's Shearwater



Northern Fulmar



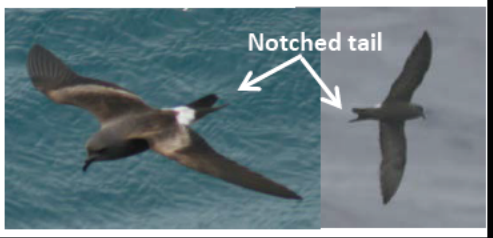
Storm-Petrels

Sparrow-sized species that feed by tapping the surface of the water with their feet while still airborne

Wilson's Storm-Petrel



Leach's Storm-Petrel



Jaegers and Skuas

Adult Jaegers in non-breeding plumage and juveniles are difficult to distinguish from one another

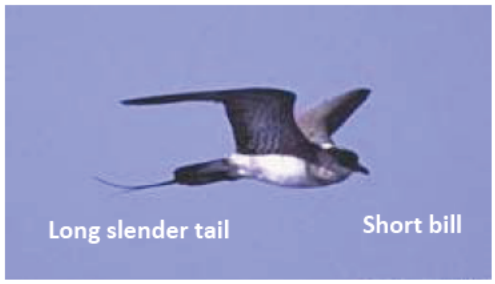
Pomarine Jaeger



Parasitic Jaeger



Long-tailed Jaeger



Great Skua



Northern Gannet

Adult



Immature



Phalaropes

Red Phalarope



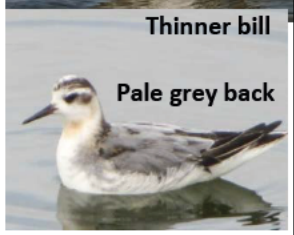


Red-necked Phalarope

Summer



Winter



Environment and Climate Change Canada
Environnement et Changement climatique Canada

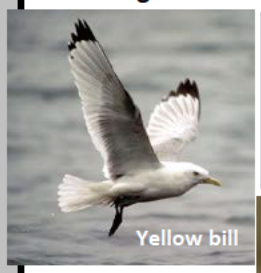
Photo credits: Bruce Mactavish, John Chardine, Brian Patteson, Sabina Wilhelm, Anna Calvert, Carina Gjerdrum, Dave Fifield, and Ian Jones. Update 2017

Common Seabirds of Atlantic Canada

Black wing-tipped Gulls

Black-legged Kittiwake

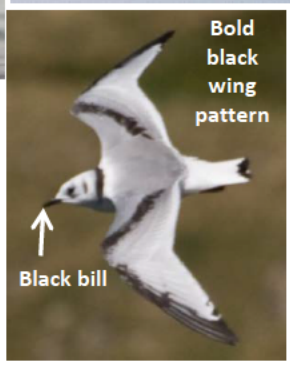
Breeding adult



Dark wing tips look like they were "dipped in ink"

Winter adult





Immature (1st winter)

Herring Gull

Adult



More uniform brown than immature Great Black-backed Gull

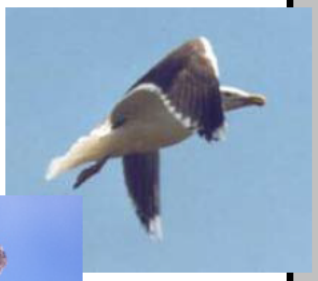
Immature (1st winter)



Black bill in 1st winter and black tip in 2nd winter for both species

Great Black-backed Gull

Adult



Marbled underwing coverts



Immature (2nd or 3rd winter)

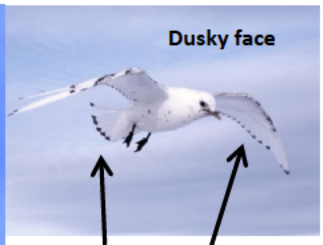
White wing-tipped Gulls

Ivory Gull

Adult



Immature

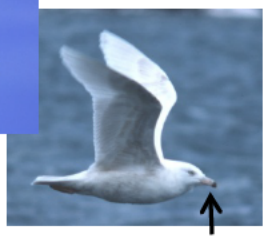


Glaucous Gull

Adult



Immature (2nd winter)



Black bill in 1st winter and black tip in 2nd winter for both species

Iceland Gull

Adult



Variable wing tip pattern (sometimes dark tips)

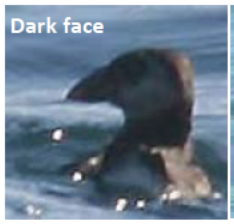
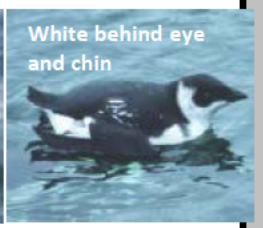
Immature (1st winter)



Alcids - summer

Common Murre	Thick-billed Murre	Razorbill	Black Guillemot	Atlantic Puffin	Dovekie
					

Alcids - winter

Common Murre	Thick-billed Murre	Razorbill	Black Guillemot	Atlantic Puffin	Dovekie
					

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: September 2, 2021 4:28 PM
To: Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>
Cc: Gautreau,Rachel (ECCC) <rachel.gautreau@ec.gc.ca>; Cormier,Jacinthe (ECCC) <Jacinthe.Cormier@ec.gc.ca>; Worthman,Sydney (ECCC) <Sydney.Worthman@ec.gc.ca>; MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: ECCC-CWS Comments RE: Urgent Update to Network Review request for AQ#5013/AQ#1431

Hi Monique,

Thank you for reviewing the proponent's response and providing the advice below, including guidance on appropriate procedures in the event of bird entanglements.

We will pass this information along to the proponent to incorporate into their Farm Management Plan.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Feehan, Jennifer
Sent: September 2, 2021 4:37 PM
To: Melissa Rommens <melissa@sustainaqua.ca>; DonaldDavis@waycobah.ca
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Responses to network comments AQ 5013

Hi Donald and Melissa,

We have received final comment from ECCC-CWS upon review of your response to their original comments.

Please see advice dated September 2, 2021 from CWS below:

"Environment and Climate Change Canada's Canadian Wildlife Service (ECCC-CWS) has reviewed the proponent's responses to ECCC-CWS previous comments related to aquaculture site AQ#5013 New Experimental Site for the Open Net Finfish Aquaculture of Rainbow Trout, Whycocomagh Bay, South Aberndeen, NS.

While the proponent has clarified mitigation measures to avoid bird entanglements with bird/predator nets (e.g. keeping bird nets tight and free of slack, etc.), a plan with procedure for staff to deal with bird entanglement was not included; the proponent requested additional guidance on this matter.

ECCC-CWS does not currently have protocols available for migratory bird entanglements related to finfish aquaculture operations, however, the following sections of *Procedures for handling and documenting stranded birds encountered on infrastructure offshore Atlantic Canada* (ECCC, 2017)(attached) may be relevant and can be taken into consideration in preparing a plan to deal with this scenario should it occur:

- Section 1.5: recommends various equipment to be used to minimize stress to birds and mitigate any risk of injury to personnel while handling migratory birds;
- Section 2.2.2 and 2.3: discusses general techniques for the safe capture and handling of live stranded birds;
- Section 2.5: discusses guidelines for releasing various species of birds at sea;
- Attached is a photo card of common seabirds of Atlantic Canada which may assist the proponent and staff in identifying bird species prior to handling;

As part of the plan, ECCC-CWS also recommends identifying contacts for the nearest certified wildlife rehabilitator which can provide recommendations for transport of injured birds to their facility.

In the event that staff encounter a migratory bird which requires to be put in a box for rest and recovery, or if the proper handling protocols are uncertain, the proponent is encouraged to contact ECCC-CWS for further guidance (see section 1.6 of ECCC 2017 protocol for contact information).

Note: The bycatch (i.e. entanglement) of migratory birds in fishing and aquaculture nets is considered incidental take for which there are no *Migratory Bird Convention Act* permits available.

Attachments:

- *Procedures for handling and documenting stranded birds encountered on infrastructure offshore Atlantic Canada* (ECCC, 2017)
- Photo card of common seabirds of Atlantic Canada (ECCC, 2017)"

Thanks,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca


Proceedure_Handling_StrandedBirds_C


Seabird Identification Photo

NOTE: Please refer to correspondence above (see September 2, 2021) for the attachments in this email.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: September 7, 2021 12:19 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; DonaldDavis@waycobah.ca
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Responses to network comments AQ 5013

Hello Jennifer.
Thank-you for the additional information regarding this application. We have noted the advice of the CWS and will build it into our plan.

We also note that the public comment period on the application has now closed. As you are aware, we are keen to keep this moving. Can you please advise us of next steps?

Kind regards,

Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: February 4, 2022 11:45 AM
To: rachel.gautreau@ec.gc.ca
Cc: Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>; MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>; Worthman,Sydney (ECCC) <Sydney.Worthman@ec.gc.ca>; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.

Hi Rachel,

I am following up to confirm whether you have any final questions or comments on **AQ#0814x** based on the additional information sent on October 25, 2021.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: February 4, 2022 12:20 PM
To: Gautreau,Rachel (ECCC) <rachel.gautreau@ec.gc.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>; Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>; Worthman,Sydney (ECCC) <Sydney.Worthman@ec.gc.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

Hi Rachel,

I am following up to finalize network comments for **AQ#1430** based on the information provided in the December 21, 2021 email below.

Please let me know if you have any final questions or comments on this file.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: February 4, 2022 12:20 PM
To: Gautreau,Rachel (ECCC) <rachel.gautreau@ec.gc.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; MacDonald,Paul (ECCC) <Paul.H.MacDonald@ec.gc.ca>; Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>; Worthman,Sydney (ECCC) <Sydney.Worthman@ec.gc.ca>
Subject: RE: AQ#1431 Network Memo-Amended Plan

Hi Rachel,

Similar to AQ#1430, I am following up to finalize network comments for **AQ#1431**.

Please let me know if you have any final questions or comments or if you would like to set up a call to discuss these files.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC

Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Feehan, Jennifer
Sent: March 17, 2022 3:06 PM
To: Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>
Cc: paul.knaga@ec.gc.ca; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Boundary Amendment Aquaculture Application No. 0814 - Whycocomagh Bay, Inverness Co., N.S.
Importance: High

Hi Monique,

This email is the final reminder for any additional comments from CWS on the boundary amendment application for aquaculture site **AQ#0814x** in Whycocomagh Bay.

Additional information from the proponent's Farm Management Plan was provided to CWS on October 25, 2021 as requested (please see email correspondence below). If modifications are recommended, the Department can work with the proponent and CWS to appropriately incorporate suggestions into the applicant's current Farm Management Plan strategies.

AQ#0814x is in preparation to be referred to the Nova Scotia Aquaculture Review Board in the near future. Please confirm by **March 31, 2022** if CWS has any further comments. If no response is submitted by the deadline, it will be understood that CWS had no additional comments on this application.

Please do not hesitate to reach out if you have any questions.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: March 17, 2022 3:07 PM
To: Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>
Cc: paul.knaga@ec.gc.ca; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

Hi Monique,

This email is the final reminder for any additional comments from CWS on the new marine site application for aquaculture site **AQ#1430** in North Aberdeen, Whycocomagh Bay.

The December 21, 2021 email copied below provides an overview of the network feedback received from CWS to date, along with the applicant's responses. I have included the attachments from the December 21, 2021 email for easy access.

AQ#1430 is in preparation to be referred to the Nova Scotia Aquaculture Review Board in the near future. Please confirm by **March 31, 2022** if CWS has any further comments. If no response is submitted by the deadline, it will be understood that CWS had no additional comments on this application.

Please do not hesitate to reach out if you have any questions.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca



NOTE: Please refer to correspondence above (see January 3, 2020, April 21, 2021, July 29, 2021, August 5, 2021, August 9, 2021, August 17, 2021, and September 2, 2021) for the attachments in this email.

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: March 17, 2022 3:08 PM
To: Breau,Monique (ECCC) <Monique.Breau@ec.gc.ca>
Cc: paul.knaga@ec.gc.ca; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#1431 Network Memo-Amended Plan

Hi Monique,

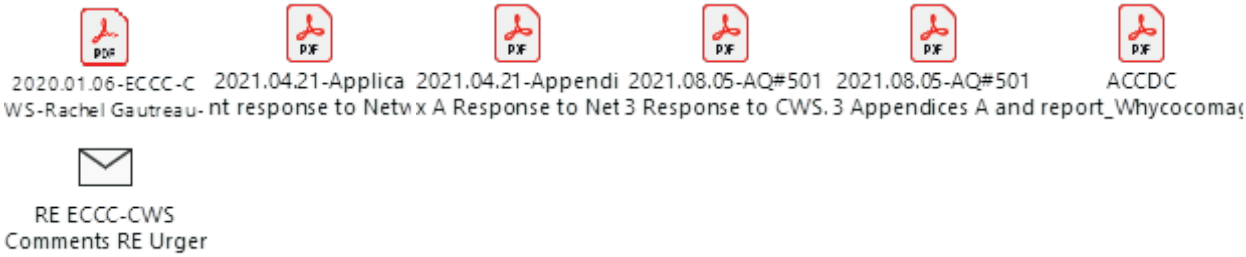
This email is the final reminder for any additional comments from CWS on the new marine site application for aquaculture site **AQ#1431** in South Aberdeen, Whycocomagh Bay.

The December 21, 2021 email copied below provides an overview of the network feedback received from CWS to date, along with the applicant's responses. I have included the attachments from the December 21, 2021 email for easy access.

AQ#1431 is in preparation to be referred to the Nova Scotia Aquaculture Review Board in the near future. Please confirm by **March 31, 2022** if CWS has any further comments. If no response is submitted by the deadline, it will be understood that CWS had no additional comments on this application.

Please do not hesitate to reach out if you have any questions.

Kind regards,
Jennifer



NOTE: Please refer to correspondence above (see January 6, 2020, April 21, 2021, July 29, 2021, August 5, 2021, August 9, 2021, August 17, 2021, and September 2, 2021) for the attachments in this email.

APPENDIX G – NOVA SCOTIA DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE (PREVIOUSLY DEPARTMENT OF ENVIRONMENT)

From: Winfield, Lynn
Sent: July 15, 2019 11:05 AM
To: 'Angela Smith' <angela.smith@inspection.gc.ca>; shane.hood@inspection.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Morning,

Please see the attached information on the boundary amendment application No. 0814, in Whycocomagh Bay, Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by September 16, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website
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AQ0814 Network Memo.pdf
Dev Plan.pdf
AQ0814 Network Agency Review Form

NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.2.1 – AQ#0814x Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: Friday, August 30, 2019 12:42 PM
To: rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: FW: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Afternoon

Please be reminded that our office has not received comments from your Department for the proposed aquaculture site in Whycocomagh Bay, Inverness Co. AQ0814. Your comments are due on or before **September 16, 2019**.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Winfield, Lynn
Sent: October 29, 2019 4:03 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1430, in Whycocomagh Bay (North Aberdeen), Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

NOVA SCOTIA

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429

Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website
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NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.2 – AQ#1430 Application Form (2019), Section 4.2.2 – AQ#1430 Development Plan (2019), Section 4.2.4 – Development Plan Appendices (2019) and Section 4.3 – Additional Information Requests and Responses (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn
Sent: October 29, 2019 4:14 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: South Aberdeen, Whycobah Bay - AQ1431 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1431, in Whycocomagh Bay (South Aberdeen), Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by December 28, 2019.

Thanks,
Lynn

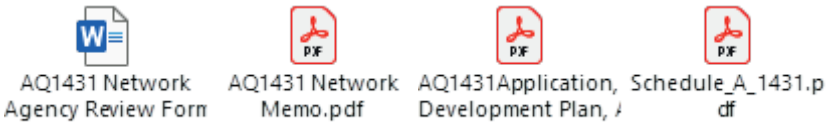
E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440

Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.3 – AQ#1431 Application Form (2019), Section 4.2.3 – AQ#1431 Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: December 18, 2019 12:34 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: RE: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1430 for We'koqma'q First Nations in Whycocomagh Bay (North Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Winfield, Lynn
Sent: December 18, 2019 12:36 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau,

Louise O <Louise.Boudreau@novascotia.ca>
Subject: South Aberdeen Whycobah Bay AQ1431 Wekoqmaq First Nation New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1431 for We'koqma'q First Nations in Whycocomagh Bay (South Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Birch, Angela <Angela.Birch@novascotia.ca>
Sent: December 18, 2019 1:33 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: RE: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Hi Lynn,
Our department does not have any issues with this application.

Angela

From: Birch, Angela <Angela.Birch@novascotia.ca>
Sent: December 18, 2019 1:33 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: RE: South Aberdeen Whycobah Bay AQ1431 Wekoqmaq First Nation New Marine Finfish Application

Hi Lynn,
Our department does not have any issues with this application.
Angela

From: Winfield, Lynn
Sent: January 14, 2020 1:03 PM
To: Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>
Subject: FW: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Afternoon

Please be reminded that our office has not received comments from your Department for the proposed aquaculture site in Whycocomagh Bay, Inverness Co. AQ0814.

Can you please provide your comments by **January 21, 2020**?

Thanks,
Lynn

E. Lynn Winfield

Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Birch, Angela <Angela.Birch@novascotia.ca>
Sent: January 24, 2020 4:20 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: RE: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Hi Lynn,

We didn't have any comments from our protected areas team on this one. I still haven't heard back from our compliance team (I sent a reminder), but I'll assume there are no comments from them. Sorry for the slow response

Angela

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: April 14, 2020 11:21 AM
To: Birch, Angela <Angela.Birch@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: RE: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Morning Angela,

Hope you are doing well.

Did you receive an additional comments from the Compliance Team for this application?

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Birch, Angela <Angela.Birch@novascotia.ca>
Sent: April 14, 2020 11:23 AM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: RE: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good morning Lynn,

No, I did not receive anything from the Compliance Team for AQ814. Sorry!

Angela

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 10:24 AM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; donald

<donalddavis@waycobah.ca>
Subject: Discussion regarding AQ 1430, 1431

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Hello Robert:
I am wondering if we can arrange a call to discuss the lease applications for AQ 1430, 1431. We'koqma'q has learned some things in the past year of working the experimental site (AQ 5010) and we'd like to apply that knowledge to the lease applications.

Please let me know if/when this would be possible.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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From: Ceschiutti, Robert [mailto:Robert.Ceschiutti@novascotia.ca]
Sent: Monday, July 13, 2020 12:02 PM
To: Melissa Rommens
Cc: Feehan, Jennifer; Winfield, Lynn; donald
Subject: RE: Discussion regarding AQ 1430, 1431

Hi Melissa, sounds good. I'll find out who else on our team would like to join the call, which will help determine when we can arrange the meeting. I should have a reply for you by tomorrow afternoon.

Regards,
Robert Ceschiutti
Manager, Licensing and Leasing
NS Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
Phone: 902-875-7430
Cell: 902-874-0996
Robert.Ceschiutti@novascotia.ca

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 12:31 PM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Subject: RE: Discussion regarding AQ 1430, 1431

Thank you Robert.
Melissa

NOTE: Please refer to correspondence in Appendix B for the July 23, 2020 Meeting Invitation.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: September 9, 2020 12:07 PM
To: Aquaculture <Aquaculture@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: donald <donalddavis@waycobah.ca>
Subject: Changes to applications for AQ 1430 and 1431

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Please find attached a formal request for production plan changes to the applications for AQ 1430 and 1431. Please be sure to reach out with questions or concerns.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Revisions to 1430 1431.pdf

NOTE: Please refer to the Application Package, Volume 2, Section 4.4 – Development Plan

Revisions AQ#1430 and AQ#1431 (2020), for the attachment in this email.

From: Greenwood, Megan N
Sent: March 29, 2021 1:54 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1430 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1430 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in North Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo-Amended Pla

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and

reviewed by Network, and Application Package, Volume 2, Section 4.4 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Greenwood, Megan N
Sent: March 29, 2021 3:52 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1431 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1431 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in South Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo Amended Plan

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by Network, and the Application Package, Volume 2, Section 4.4 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Feehan, Jennifer
Sent: March 29, 2021 4:27 PM
To: 'donald' <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: Network Comments AQ#1430 & 1431

Hi Donald and Melissa,

Please be advised that the amended development plans with revised production plans and cage configuration for AQ#1430 and AQ#1431 have been sent to Network for review.

I have attached a compilation of network comments received to date based on the original development plans. Network may have additional questions or comments pending review of the amended plans. You may begin preparing any required responses as per the comments to date, and we will be in touch when final comments or questions from Network have been submitted.

Please do not hesitate to reach out if you have any questions.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca


AQ#1430
Compilation of Netv


AQ#1431
Compilation of Netv

NOTE: Please refer to Appendix N for the Compilation of Network Comments for AQ#1430 and AQ#1431 up to March 29, 2021, attached in this email.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 30, 2021 9:47 AM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1430 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include to template form for comment.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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AQ1430 Network Agency Review Form

NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 30, 2021 9:49 AM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1431 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include the template in the original email.

Megan Greenwood
Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS

B0T 1W0
Phone 902-875-7443
Fax 902-875-7429
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NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

From: Birch, Angela <Angela.Birch@novascotia.ca>
Sent: March 30, 2021 9:48 AM
To: MacKay, Troy <Troy.MacKay@novascotia.ca>
Subject: FW: AQ#1430 Network Memo-Amended Plan

Hi Troy,
As a follow up to my email yesterday, here is the template form for comment.

Angela

From: Birch, Angela
To: Greenwood, Megan N
Subject: RE: AQ#1431 Network Memo-Amended Plan
Date: April 8, 2021 9:52:39 AM

Hi Meghan,
Environment and Climate Change reviewed the information and have no concerns.

Angela

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: April 21, 2021 2:22 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: Network Comments AQ#1430 & 1431

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Hello Jennifer:
Find attached responses to network comments you had received as of March 29, 2020 for AQ 1430 and AQ 1431.
Please let us know if a different kind of formatting for responses is preferred.
Just reach out with questions or concerns.
Kind regards,
Melissa

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Response to Network Comments

Response to Network Comments

NOTE: Please refer to correspondence in Appendix B dated April 21, 2021, for the complete documents attached in this email. The proponent's responses specific to NSECC are attached below for reference.

Response to network comments AQ # 1430 (North Aberdeen)

Network Comments, as received March 29, 2021

7. Nova Scotia Environment and Climate Change; Dec. 18, 2019: Department does not have any issues with this application. No reply required.

Response to network comments AQ # 1431 (South Aberdeen)

Network Comments, as received March 29, 2021

7. Nova Scotia Environment and Climate Change; Dec. 18, 2019: Department does not have any issues with this application. No reply required.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: May 14, 2021 2:30 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: FW: AQ#1430 Network Memo-Amended Plan

Attention: Network Review Agencies:

Please be reminded that our office has not received comments for your Department for amended plan for We'koma'q First Nation (AQ#1430). Your comments are requested on or before May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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From: "Birch, Angela" <Angela.Birch@novascotia.ca>
Date: May 14, 2021 at 4:15:34 PM ADT
To: "MacKay, Troy" <Troy.MacKay@novascotia.ca>
Subject: FW: AQ#1430 Network Memo-Amended Plan

Hi Troy,
Just a reminder email from Megan that this is due on May 29.

Thanks,
Angela

From: MacKay, Troy <Troy.MacKay@novascotia.ca>
Sent: May 20, 2021 7:48 AM
To: Fraser, Byron S <Byron.Fraser@novascotia.ca>; Timmons, Lauchie <Lauchie.Timmons@novascotia.ca>
Subject: Fwd: AQ#1430 Network Memo-Amended Plan

Did we get this one done?? It's due here soon

Troy MacKay
Regional Enforcement Manager
Conservation Officer Service
Eastern Region

From: Timmons, Lauchie <Lauchie.Timmons@novascotia.ca>
Sent: May 20, 2021 3:03 PM
To: MacKay, Troy <Troy.MacKay@novascotia.ca>; Fraser, Byron S <Byron.Fraser@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

After reviewing this application, I have a few concerns.

1/ With the increase production of rainbow trout and an increase of leased area, there will surely be an increase in escapements which will lead to an increase of recreational fishing opportunity(Three know unreported breaches in 2019 and two reported breaches in 2021). This increase fishing opportunity has resulted in an increase in garbage left behind by fishermen. Also an increase in complaints from private landowners that have their private property is being used illegally to access the bay.

2/ Although mentioned in the report about the Bras Dor Biosphere, I'd like to see a letter of support from the Bras Dor Biosphere group concerning the increase in fish production and the increase waste.

3/ Also mentioned in the application about recreational fishermen and the waterway navigation. With the increase in size from approximately 5 ha, to 75 ha, we've already had several complaints about boats on the leased area, partly due to not enough boundary markers and possibly public notifications.

4/ Finally for me there needs to be more signage and boundary markers. The garbage needs to be addressed both from the aquaculture site and the recreational fishermen. And the impact on the Bras Dor bay and the private landowners need to be taken into consideration.

Thanks

Sent: June 22, 2021 4:06 PM
To: donald <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: AQ#0814 Compilation of Network Comments

Hi Donald and Melissa,

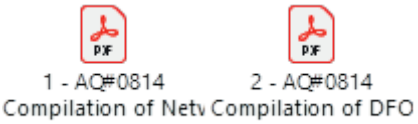
Please find attached the compilation of comments received from Network Agencies for AQ#0814. A compilation of DFO's requests for additional information to date is attached separately. Please note that DFO's final Letter of Advice and CSAS Report for this application are still pending.

In regard to Nova Scotia Department of Lands and Forestry's comments (see pages 39-41), we would like to set up a call to discuss and provide some clarification. To allow time for you to review the network comments and prepare any questions, would a call on **July 14th at 11 am** work for you?

Please let me know and I will follow up with a meeting request.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca



NOTE: Please refer to Appendix N for the Compilation of Network Comments for AQ#0814x up to June 22, 2021, attached in this email.

From: Melissa Rommens <melissa@sustainaqua.ca>
Date: 2021-06-23 7:58 a.m. (GMT-04:00)
To: "'Feehan, Jennifer'" <Jennifer.Feehan@novascotia.ca>, 'donald' <donalddavis@waycobah.ca>
Cc: "'Greenwood, Megan N'" <Megan.Greenwood@novascotia.ca>, "'Feindel, Nathaniel J'" <Nathaniel.Feindel@novascotia.ca>, "'Ceschiutti, Robert'" <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

This time is good for me Jennifer.

Please await a reply from Donald before final scheduling.

Kind regards,

Melissa

From: donalddavis <donalddavis@waycobah.ca>
Sent: June 23, 2021 8:18 AM
To: Melissa Rommens <melissa@sustainaqua.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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That time is fine with me.....Regards Donald.

Sent from my Bell Samsung device over Canada's largest network.

From: MacKay, Troy <Troy.MacKay@novascotia.ca>
Sent: July 9, 2021 12:08 PM
To: Birch, Angela <Angela.Birch@novascotia.ca>; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: FW: AQ#1430 Network Memo-Amended Plan

Just a follow up to some confusion on our end, regarding site #1430. The correct form for this site is attached.

- When I received the original e-mail back on March 29, the network agency review form was not included on the e-mail and so my staff went with what was in the memo that an e-mail was required as a response. (Note: We require a written (mail/email) response from each of our review agencies in order to process this application.), I did receive a second e-mail with the form attached but, it got lost in all my other e-mails and I never re-sent.

- Than with work an other complaint checks going on, staff than confused the site and made comments for a different site and not for site #1430
- Attached is the correct form with no issues for site #1430

2021.03.29-Network Memo-Amended Pla

Network Agency Review-AQ#1430 (0C

NOTE: Please refer to Appendix A for the Network Memo for AQ#1430 (dated March 29, 2021).

038Network Agency Review of an Aquaculture Application

Agency	**NSE Enforcement**
Division (if applicable)	
Date	
File No.	**1430**
Type of application	**New Marine Finfish**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☒ No concerns regarding the proposed development
☐ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☐ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

NOTE: Please refer to correspondence in Appendix B for the July 14, 2021 Meeting Invitation.

From: Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Sent: July 21, 2021 10:02 AM
To: Birch, Angela <Angela.Birch@novascotia.ca>
Cc: Winfield, Lynn <Lynn.Winfield@novascotia.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: FW: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Hi Angela,

Just wanted to follow up on this correspondence.

Not sure if you have since received any comment from your Compliance Team, if not that's fine as we will be requesting a compliance report through the appropriate methods for the file anyways.

If you would like to discuss, let me know and we can set up a time.

Nathaniel

From: Birch, Angela <Angela.Birch@novascotia.ca>
Sent: July 21, 2021 10:23 AM
To: Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Cc: Winfield, Lynn <Lynn.Winfield@novascotia.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: RE: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Hi Nathaniel,
We have not received any comment on this from the Compliance Team. That would be great if your team could request a compliance report directly from them.

Thanks,
Angela

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 26, 2021 4:44 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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Hello Jennifer:
Find attached a response to the compiled network comments as referred to in the email below.

There are a few outstanding items noted:

- Confirm if anything is outstanding with TC.

- Determine contact information for the Coordinator of Special Places Program of NSCCH.
- Confirm if anything is required for NSECC.
- Determine intention of bald eagle monitoring requested by NSDLF.
- Confirm if additional information is required for DFO.

We are available to discuss the above as well as the submission at your convenience.

Thank-you for the opportunity to discuss and respond to the network concerns.

Kind regards,
Melissa.

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Network comment responses 0814x Jul

NOTE: Please refer to correspondence in Appendix B dated July 26, 2021, for the complete document attached in this email. The proponent's response specific to NSECC are attached below for reference.

7. Nova Scotia Environment and Climate Change; Jan. 24, 2020 +: No comments received. *NSDFA to follow up to see if there are any concerns.*

From: Feehan, Jennifer
Sent: August 5, 2021 4:46 PM
To: Melissa Rommens <melissa@sustainaqua.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

Hi Melissa,

Thank you for your submission of the response to network comments for AQ#0814. I am in the process of reviewing your responses and will get them sent out to the appropriate network agencies as soon as possible.

Regarding the outstanding items outlined in your email:

- TC has confirmed that they have the application and do not require you to reapply through the online portal.
- NSCCH has been contacted and we are waiting for a response. The general contact information for the Department is cch@novascotia.ca and (902) 424-2170, but I will see I can get you a direct contact.
- NSE has confirmed that they have not received comment from the compliance team and agreed that NSDFA will request comment directly from the Compliance and Enforcement Division for the compliance report, which is the regular process for receiving comment from the compliance team.
- I will follow up with NSDLF on the bald eagle monitoring when I send your response.
- I will confirm with DFO that no additional information is required when I send your response.

I will be in touch with any additional updates.

Kind regards,
Jennifer

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: July 7, 2022 10:56 AM
To: Birch, Angela <Angela.Birch@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

Hi Angela,

I am following up on AQ#1430 - We'koqma'q First Nation to confirm the final comments from your team on the amended plan.

Please do not hesitate to give me a call at 902-237-0771 if you have any questions or would like to discuss.

Kind regards,
Jennifer

Jennifer Feehan (she/her)
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Birch, Angela <Angela.Birch@novascotia.ca>
Sent: July 7, 2022 11:27 AM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

Hi Jennifer,
Comments on this were sent to Megan on July 7, 0221 from Troy MacKay (see attached). Those were all the comments from our department. Please note, however, that the conservation officers (which Troy was sending the comments on behalf of) are now with Natural Resources and Renewables, so there would be no comments from our department (Environment and Climate Change).

Please let me know if this isn't what you are looking for.

Angela



FWAQ#1430
Network Memo-Ame

NOTE: Please refer to correspondence above (see July 9, 2021) for the attachment in this email.

From: Feehan, Jennifer
Sent: July 7, 2022 12:24 PM
To: Birch, Angela <Angela.Birch@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

Hi Angela,

Thank you for confirming – that is what we were looking for.

Kind regards,
Jennifer

APPENDIX H – NOVA SCOTIA DEPARTMENT OF AGRICULTURE

From: Winfield, Lynn
Sent: July 15, 2019 11:05 AM
To: 'Angela Smith' <angela.smith@inspection.gc.ca>; shane.hood@inspection.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Morning,

Please see the attached information on the boundary amendment application No. 0814, in Whycocomagh Bay, Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by September 16, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website
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AQ0814 Network Memo.pdf
Dev Plan.pdf
AQ0814 Network Agency Review Form

NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.2.1 – AQ#0814x Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: Friday, August 30, 2019 12:42 PM
To: rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: FW: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Afternoon

Please be reminded that our office has not received comments from your Department for the proposed aquaculture site in Whycocomagh Bay, Inverness Co. AQ0814. Your comments are due on or before **September 16, 2019**.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>
Sent: September 4, 2019 11:56 AM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: RE: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Lynn,

Please find attached, the response from Agriculture re application 0814.

Dawn

Dawn Miller, MSc., P.Ag.
Program Coordinator
Nova Scotia Department of Agriculture
176 College Road – Harlow Building
PO Box 890
Truro, Nova Scotia
B2N 5G6

Telephone: 902-893-6548
Fax: 902-893-0244
Mobile: 902-890-3377
E-mail: Dawn.Miller2@novascotia.ca



AQ0814 Network Agency Review Form

Network Agency Review of an Aquaculture Application

Agency	**Agriculture**
Division (if applicable)	**Industry Protection – Animal & Crop Services**
Date	**04 September 2019**
File No.	**AQ#0814 - Whycocomagh Bay, Inverness County**
Type of application	**Boundary Amendment - Marine Finfish Cage Cultivation (Rainbow trout & Atlantic salmon)**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☒ No concerns regarding the proposed development
☐ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☐ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

From: Winfield, Lynn
Sent: October 29, 2019 4:03 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1430, in Whycocomagh Bay (North Aberdeen), Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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AQ1430 Network Agency Review Form | AQ1430 Network Memo.pdf | AQ1430 Application, Develo | August 21, 2019 Additional Info from | Schedule_A_1430.pdf

NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.2 – AQ#1430 Application Form, Section 4.2.2 – AQ#1430 Development Plan (2019), Section 4.2.4 – Development Plan Appendices (2019) and Section 4.3 – Additional Information Requests and Responses (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn
Sent: October 29, 2019 4:14 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: South Aberdeen, Whycobah Bay - AQ1431 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1431, in Whycocomagh Bay (South Aberdeen), Inverness County, along with the Network Agency Review Form.

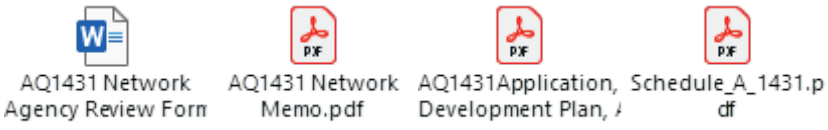
Please respond with your feedback by December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website
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NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.3 – AQ#1431 Application Form (2019), Section 4.2.3 – AQ#1431 Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by Network.

From: Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>
Sent: October 30, 2019 2:42 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: Tattrie, Steven C <Steven.Tattrie@novascotia.ca>
Subject: RE: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Lynn,
Please find attached the response from Agriculture for application 1430.

Please also be advised that I am going to a term position with our Policy branch effective November 1st. Responsibility for the Aquaculture Review Network has not yet been reassigned. Until further notice, please forward items for review to Steven Tattrie.

Dawn Miller, MSc., P.Ag.
Senior Program Administrator
Nova Scotia Department of Agriculture
176 College Road – Harlow Building
PO Box 890
Truro, Nova Scotia
B2N 5G6

Telephone: 902-893-6548
Fax: 902-893-0244
Mobile: 902-890-3377
E-mail: Dawn.Miller2@novascotia.ca



Network Agency Review of an Aquaculture Application

Agency	**Agriculture**
Division (if applicable)	**Industry Protection**
Date	**October 30, 2019**
File No.	**We'koqma'q First Nation AQ#1430** **North Aberdeen, Whycocomagh Bay, Inverness County**
Type of application	**Marine Finfish Cage Cultivation (Rainbow Trout)**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

- ☒ No concerns regarding the proposed development
- ☐ Concerns with development are expressed below
- ☐ Request modifications to the proposed development (described below)
- ☐ Required or recommended conditions (described below)
- ☐ Request additional information (described below)
- ☐ Request meeting with applicant and NSDFA (described below)
- ☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

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From: Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>
Sent: October 30, 2019 3:00 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: RE: South Aberdeen Whycobah Bay AQ1431 Wekoqmaq First Nation New Marine Finfish Application

Lynn,

Please find attached the response from Agriculture for application 1431.

Dawn Miller, MSc., P.Ag.
Senior Program Administrator
Nova Scotia Department of Agriculture
176 College Road – Harlow Building
PO Box 890
Truro, Nova Scotia
B2N 5G6

Telephone: 902-893-6548
Fax: 902-893-0244
Mobile: 902-890-3377
E-mail: Dawn.Miller2@novascotia.ca



Network Agency Review of an Aquaculture Application

Agency	**Agriculture**
Division (if applicable)	**Industry Protection**
Date	**30 October 2019**
File No.	**We'koqma'q First Nation AQ#1431** **South Aberdeen, Whycocomagh Bay, Inverness County**
Type of application	**Marine Finfish Cage Cultivation (Rainbow Trout)**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

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☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

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All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: December 18, 2019 12:34 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: RE: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1430 for We'koqma'q First Nations in Whycocomagh Bay (North Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: December 18, 2019 12:36 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: RE: South Aberdeen, Whycobah Bay - AQ1431 We'koqma'q First Nation - New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1431 for We'koqma'q First Nations in Whycocomagh Bay (South Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>
Sent: December 18, 2019 2:40 PM
To: Tattrie, Steven C <Steven.Tattrie@novascotia.ca>
Cc: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: FW: North Aberdeen Whycobah Bay AQ1430 Wekoqmaq First Nation New Marine Finfish Application

Steve,

I received this reminder earlier today from DFA re feedback from the Aquaculture Review Network.

Dawn

From: Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>
Sent: December 18, 2019 2:40 PM
To: Tattrie, Steven C <Steven.Tattrie@novascotia.ca>
Cc: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: FW: South Aberdeen, Whycobah Bay - AQ1431 We'koqma'q First Nation - New Marine Finfish Application

Another reminder for feedback for the Aquaculture Review Network.

Dawn

From: Tattrie, Steven C <Steven.Tattrie@novascotia.ca>
Sent: December 18, 2019 3:21 PM
To: Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>
Cc: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: RE: South Aberdeen, Whycobah Bay - AQ1431 We'koqma'q First Nation - New Marine Finfish Application

Thank you

From: Tattrie, Steven C <Steven.Tattrie@novascotia.ca>
Sent: December 18, 2019 4:17 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: RE: South Aberdeen Whycobah Bay AQ1431 Wekoqmaq First Nation New Marine Finfish Application

Hi Lynn, can you resend the review , I don’t seem to have it.

Thanks

Steve

From: Tattrie, Steven C <Steven.Tattrie@novascotia.ca>
Sent: December 20, 2019 10:27 AM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: RE: South Aberdeen Whycobah Bay AQ1431 Wekoqmaq First Nation New Marine Finfish Application

Hi Lynn, please find attached the review form from Agriculture.

Steve



AQ1431 Network Agency Review Form

Network Agency Review of an Aquaculture Application

Agency	**Nova Scotia Department of Agriculture**
Division (if applicable)	
Date	**December 20, 2019**
File No.	**We'koqma'q First Nation AQ#1431** **South Aberdeen, Whycocomagh Bay, Inverness County**
Type of application	**Marine Finfish Cage Cultivation (Rainbow Trout)**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

- ☒ No concerns regarding the proposed development
- ☐ Concerns with development are expressed below
- ☐ Request modifications to the proposed development (described below)
- ☐ Required or recommended conditions (described below)
- ☐ Request additional information (described below)
- ☐ Request meeting with applicant and NSDFA (described below)
- ☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

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From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 10:24 AM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: Discussion regarding AQ 1430, 1431

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Hello Robert:
I am wondering if we can arrange a call to discuss the lease applications for AQ 1430, 1431. We'koqma'q has learned some things in the past year of working the experimental site (AQ 5010) and we'd like to apply that knowledge to the lease applications.

Please let me know if/when this would be possible.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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From: Ceschiutti, Robert [mailto:Robert.Ceschiutti@novascotia.ca]
Sent: Monday, July 13, 2020 12:02 PM
To: Melissa Rommens
Cc: Feehan, Jennifer; Winfield, Lynn; donald
Subject: RE: Discussion regarding AQ 1430, 1431

Hi Melissa, sounds good. I'll find out who else on our team would like to join the call, which will help determine when we can arrange the meeting. I should have a reply for you by tomorrow afternoon.

Regards,
Robert Ceschiutti
Manager, Licensing and Leasing
NS Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia

B0T 1W0
Phone: 902-875-7430
Cell: 902-874-0996
Robert.Ceschiutti@novascotia.ca

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 12:31 PM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Subject: RE: Discussion regarding AQ 1430, 1431

Thank you Robert.
Melissa

NOTE: Please refer to correspondence in Appendix B for the July 23, 2020 Meeting Invitation.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: September 9, 2020 12:07 PM
To: Aquaculture <Aquaculture@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: donald <donalddavis@waycobah.ca>
Subject: Changes to applications for AQ 1430 and 1431

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Please find attached a formal request for production plan changes to the applications for AQ 1430 and 1431. Please be sure to reach out with questions or concerns.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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NOTE: Please refer to the Application Package, Volume 2, Section 4.4 – Development Plan Revisions AQ#1430 and AQ#1431 (2020), for the attachment in this email.

From: Greenwood, Megan N
Sent: March 29, 2021 1:54 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1430 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1430 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in North Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo-Amended Pla

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by Network, and the Application Package, Volume 2, Section 4.4 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Greenwood, Megan N
Sent: March 29, 2021 3:52 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1431 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1431 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in South Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo Amended Plar

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by Network, and the Application Package, Volume 2, Section 4.4 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Feehan, Jennifer
Sent: March 29, 2021 4:27 PM
To: 'donald' <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: Network Comments AQ#1430 & 1431

Hi Donald and Melissa,

Please be advised that the amended development plans with revised production plans and cage configuration for AQ#1430 and AQ#1431 have been sent to Network for review.

I have attached a compilation of network comments received to date based on the original development plans. Network may have additional questions or comments pending review of the amended plans. You may begin preparing any required responses as per the comments to date, and we will be in touch when final comments or questions from Network have been submitted.

Please do not hesitate to reach out if you have any questions.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

AQ#1430 Compilation of Netv

AQ#1431 Compilation of Netv

NOTE: Please refer to Appendix N for the Compilation of Network Comments for AQ#1430 and AQ#1431 up to March 29, 2021, attached in this email.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 30, 2021 9:47 AM

To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1430 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include to template form for comment.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

Sent: March 30, 2021 9:49 AM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1431 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include the template in the original email.

Megan Greenwood
Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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AQ1431 Network Agency Review Form

NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

From: Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>
Sent: April 1, 2021 10:33 AM
To: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: AQ# 1430 & 1431 documents

Hi Megan,

Please see attached review documents,

Michael

NOVA SCOTIA
Agriculture

74 Research Drive
Bible Hill
Nova Scotia
B6L 2R2

Michael Kittilsen, P.Ag.
Resource Management Coordinator

Animal and Crop Services
Agriculture and Food Advisory Services

Ph (902) 956-2707
Fax (902) 893-2757
Michael.Kittilsen@novascotia.ca

Network Agency Review-AQ#1430.do

Network Agency Review-AQ#1431.do

Network Agency Review of an Aquaculture Application

Agency	**NS Department of Agriculture**
Division (if applicable)	**Animal and Crop Services**
Date	**April 1, 2021**
File No.	**1430**
Type of application	**New Marine Finfish**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☒ No concerns regarding the proposed development
☐ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☐ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

038Network Agency Review of an Aquaculture Application

Agency	**NS Department of Agriculture**
Division (if applicable)	**Animal and Crop Services**
Date	**April 1, 2021**
File No.	**1431**
Type of application	**New Marine Finfish**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☒ No concerns regarding the proposed development
☐ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☐ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: April 21, 2021 2:22 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: Network Comments AQ#1430 & 1431

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Hello Jennifer:
Find attached responses to network comments you had received as of March 29, 2020 for AQ 1430 and AQ 1431.
Please let us know if a different kind of formatting for responses is preferred.
Just reach out with questions or concerns.
Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Response to Network Comments

Response to Network Comments

NOTE: Please refer to correspondence in Appendix B dated April 21, 2021, for the complete documents attached in this email. The proponent's responses specific to NS Ag are attached below for reference.

Response to network comments AQ # 1430 (North Aberdeen)

Network Comments, as received March 29, 2021

6. Nova Scotia Department of Agriculture; Oct. 30, 2019: No concerns regarding the proposed development. No reply required.

Response to network comments AQ # 1431 (South Aberdeen)

Network Comments, as received March 29, 2021

6. Nova Scotia Department of Agriculture; Oct. 30, 2019: No concerns regarding the proposed development. No reply required.

Sent: June 22, 2021 4:06 PM
To: donald <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: AQ#0814 Compilation of Network Comments

Hi Donald and Melissa,

Please find attached the compilation of comments received from Network Agencies for AQ#0814. A compilation of DFO's requests for additional information to date is attached separately. Please note that DFO's final Letter of Advice and CSAS Report for this application are still pending.

In regard to Nova Scotia Department of Lands and Forestry's comments (see pages 39-41), we would like to set up a call to discuss and provide some clarification. To allow time for you to review the network comments and prepare any questions, would a call on **July 14th at 11 am** work for you?

Please let me know and I will follow up with a meeting request.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

1 - AQ#0814 Compilation of Netv

2 - AQ#0814 Compilation of DFO

NOTE: Please refer to Appendix N for the Compilation of Network Comments for AQ#0814x up to June 22, 2021, attached in this email.

From: Melissa Rommens <melissa@sustainaqua.ca>
Date: 2021-06-23 7:58 a.m. (GMT-04:00)
To: "'Feehan, Jennifer'" <Jennifer.Feehan@novascotia.ca>, 'donald' <donalddavis@waycobah.ca>
Cc: "'Greenwood, Megan N'" <Megan.Greenwood@novascotia.ca>, "'Feindel, Nathaniel J'" <Nathaniel.Feindel@novascotia.ca>, "'Ceschiutti, Robert'" <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

This time is good for me Jennifer.

Please await a reply from Donald before final scheduling.

Kind regards,

Melissa

From: donalddavis <donalddavis@waycobah.ca>
Sent: June 23, 2021 8:18 AM
To: Melissa Rommens <melissa@sustainaqua.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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That time is fine with me.....Regards Donald.

Sent from my Bell Samsung device over Canada's largest network.

NOTE: Please refer to correspondence in Appendix B for the July 14, 2021 Meeting Invitation.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 26, 2021 4:44 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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Hello Jennifer:
Find attached a response to the compiled network comments as referred to in the email below.

There are a few outstanding items noted:

- Confirm if anything is outstanding with TC.
- Determine contact information for the Coordinator of Special Places Program of NSCCH.
- Confirm if anything is required for NSECC.
- Determine intention of bald eagle monitoring requested by NSDLF.
- Confirm if additional information is required for DFO.

We are available to discuss the above as well as the submission at your convenience.

Thank-you for the opportunity to discuss and respond to the network concerns.

Kind regards,
Melissa.

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Network comment responses 0814x Jul

NOTE: Please refer to correspondence in Appendix B dated July 26, 2021, for the complete document attached in this email. The proponent's responses specific to NS Ag are attached below for reference.

Response to network comments AQ # 0814x (Boundary Amendment)

Ref. Document: 1 -AQ#8014 Compilation of Network Comments – 2021.06.22

5. Nova Scotia Department of Agriculture; Sept. 4, 2019: No concerns regarding the proposed development. No reply required.

From: Feehan, Jennifer
Sent: August 5, 2021 4:46 PM
To: Melissa Rommens <melissa@sustainaqua.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

Hi Melissa,

Thank you for your submission of the response to network comments for AQ#0814. I am in the process of reviewing your responses and will get them sent out to the appropriate network agencies as soon as possible.

Regarding the outstanding items outlined in your email:

- TC has confirmed that they have the application and do not require you to reapply through the online portal.
- NSCCH has been contacted and we are waiting for a response. The general contact information for the Department is cch@novascotia.ca and (902) 424-2170, but I will see I can get you a direct contact.
- NSE has confirmed that they have not received comment from the compliance team and agreed that NSDFA will request comment directly from the Compliance and Enforcement Division for the compliance report, which is the regular process for receiving comment from the compliance team.
- I will follow up with NSDLF on the bald eagle monitoring when I send your response.
- I will confirm with DFO that no additional information is required when I send your response.

I will be in touch with any additional updates.

Kind regards,
Jennifer

APPENDIX I – NOVA SCOTIA DEPARTMENT OF MUNICIPAL AFFAIRS (PREVIOUSLY DEPARTMENT OF MUNICIPAL AFFAIRS AND HOUSING)

From: Winfield, Lynn
Sent: July 18, 2019 11:53 AM
To: keith.macdonald@invernesscounty.ca
Subject: AQ0814 - Municipality of the County of Inverness, Notification Letter

Good Morning Mr. MacDonald,

Please see the attached correspondence. I will put the originals in the mail to you today.

If you have any questions please do not hesitate to contact me

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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AQ0814 Municipal Notification, Memo &

NOVA SCOTIA

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

July 18, 2019

Municipality of the County of Inverness
ATTN: Mr. Keith MacDonald, CAO
P.O. Box 179
375 Main Street
Port Hood, Nova Scotia, Canada
B0E 2W0

Dear Mr. MacDonald & Council:

Re: Notification of Proposed Boundary Amendment - Aquaculture Site No. 0814 Whycocomagh Bay, Inverness County

In an effort to keep communities better informed about aquaculture activities in their area, the Province of Nova Scotia is continuing to contact municipalities directly to inform them of proposed applications for aquaculture sites and amendments to existing sites.

The purpose of this letter is to notify the Municipality of the County of Inverness of a proposed boundary amendment to an existing aquaculture site, AQ#0814, located in Whycocomagh Bay, Inverness County. Please see enclosed information and maps regarding this application.

We do not require your feedback; however you are more than welcome to contact our department directly if you have any questions. You can reach me by phone at 902-875-7440 or by email Lynn.Winfield@novascotia.ca .

Sincerely,

[redacted]

Lynn Winfield,
Licensing Coordinator

Enclosures: Network Memo and Maps

c. Brennan Goreham, Administrator
Andrew Paton, Department of Municipal Affairs

NOVA SCOTIA
Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
novascotia.ca

MEMORANDUM

To: Aquaculture Network Agencies

From: Lynn Winfield, Licensing Coordinator, Aquaculture Division
Nova Scotia Department of Fisheries and Aquaculture

CC: Matthew King, GIS Analyst
Nathaniel Feindel, Manager of Aquaculture Development
Nicole Sampson, Coastal Resource Coordinator

Date: July 15, 2019

RE: **Boundary Amendment Aquaculture Application No. 0814 Whycocomagh Bay, Inverness County - Aquaculture Network Review**

Attention network agencies, We'koqma'q First Nation has submitted a boundary amendment aquaculture application (AQ#0814) for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County.

Please find attached information relating to the following aquaculture boundary amendment application:

Licence/Lease No.:	AQ#0814
Applicant:	We'koqma'q First Nation
Application Type:	Boundary Amendment Marine Aquaculture Site
Current Species:	Rainbow trout and Atlantic salmon
Cultivation Type:	Marine cage cultivation
Current Size:	1.39HA
Proposed Size:	65.53HA
Location:	Whycocomagh Bay, Inverness County

To facilitate the screening process, NSDFA offers the following points of information:

1. Following the review of the application by our Network Partners, this application will be provided to the Aquaculture Review Board for final decision;
2. The applicant is making application to Transport Canada for an authorization under the Navigation Protection Act for the placement of marine cages;
3. This application is part of an ongoing effort within the province to correct historical discrepancies between approved site locations and the actual footprint of farming

activities. Since 2016, the Department has been working with the applicant to address this issue to ensure regulatory compliance and operational viability.

We request that you review and submit all components that pertain to this application by September 16, 2019.

Note: We require a written (mail/email) response from each of our review agencies in order to process this application. You may contact me at by phone at 902-875-7440 or email Lynn.Winfield@novascotia.ca if you have any questions.

Sincerely,

Lynn

Lynn Winfield,
Licensing Coordinator

SCHEDULE A
GPS COORDINATE INFORMATION SHEET

Application #:	0814x		
Applicant:	We'Koqma'q First Nation		
Location:	Whyococomagh Bay	County:	Inverness
Hydrographic Chart:	4278	Orthophoto #:	
Dimensions of site:	See Sketch	Size:	Approx. 65.53 ha

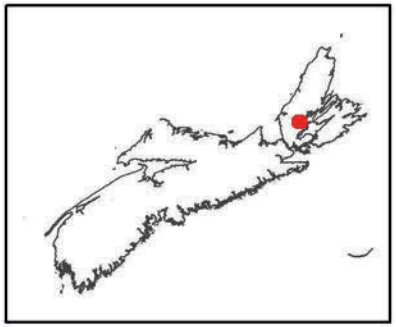
Approximate Coordinates of Application:

Datum used: NAD 83

Centre coordinates (approx.) Lat. 45° 56' 56.14"
Long. -61° 07' 38.64"

Corner #1	Lat.	45° 57' 15.95"	Corner #2	Lat.	45° 57' 08.35"
	Long.	-61° 07' 29.08"		Long.	-61° 07' 32.09"
Corner #3	Lat.	45° 57' 05.34"	Corner #4	Lat.	45° 56' 58.61"
	Long.	-61° 07' 38.06"		Long.	-61° 07' 55.83"
Corner #5	Lat.	45° 56' 51.98"	Corner #6	Lat.	45° 56' 50.99"
	Long.	-61° 08' 08.90"		Long.	-61° 08' 09.02"
Corner #7	Lat.	45° 56' 49.28"	Corner #8	Lat.	45° 56' 36.92"
	Long.	-61° 08' 13.20"		Long.	-61° 08' 02.06"
Corner #9	Lat.	45° 56' 52.60"	Corner #10	Lat.	45° 56' 54.18"
	Long.	-61° 07' 26.22"		Long.	-61° 07' 22.73"
Corner #11	Lat.	45° 57' 03.39"	Corner #12	Lat.	45° 57' 11.47"
	Long.	-61° 07' 01.69"		Long.	-61° 07' 18.88"
Corner #13	Lat.	45° 57' 13.33"			
	Long.	-61° 07' 23.09"			

NOTE: THESE COORDINATES ARE NOT FROM A LEGAL SURVEY.

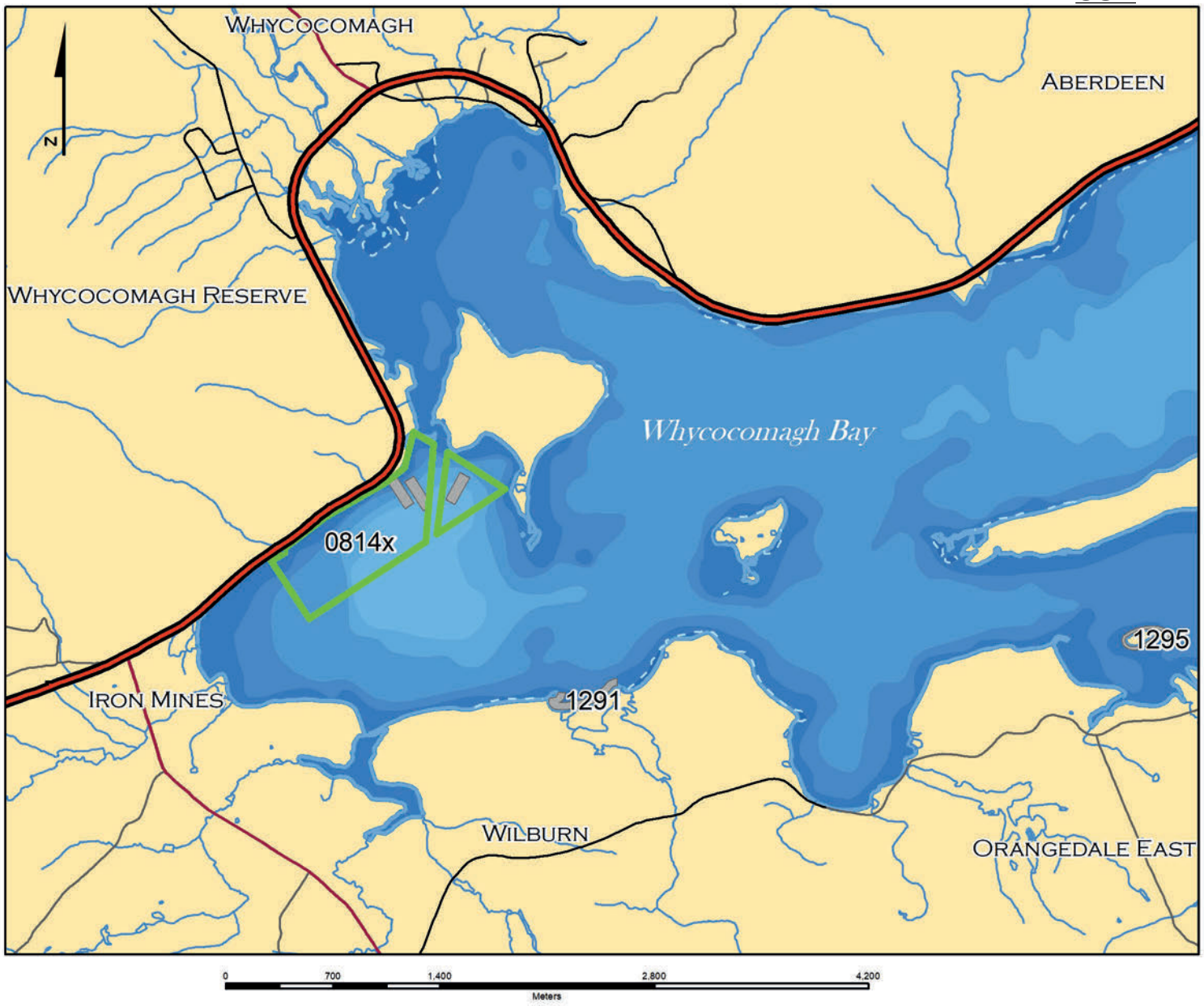


Aquaculture Site

0814x

Centre
Lat 45° 56' 56.14" Long -61° 07' 38.64"
Corner 1
Lat 45° 57' 15.95" Long -61° 07' 29.08"
Corner 2
Lat 45° 57' 08.35" Long -61° 07' 32.09"
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Corner 13
Lat 45° 57' 13.33" Long -61° 07' 23.09"

DATUM NAD 83
The above coordinates
are not from a legal survey



Application Information

Proponents : We'Koqma'q First Nation
Site Location : Whyococomagh Bay
Dimensions : See Sketch
Area : Approx. 65.53 ha

Proposed Application
Other Issued Lease
Other Proposed Lease
OMHW Mark
Low Water Mark

Species: Rainbow Trout

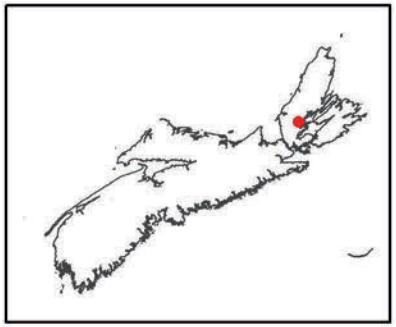
Chart No.
4278

NOVA SCOTIA
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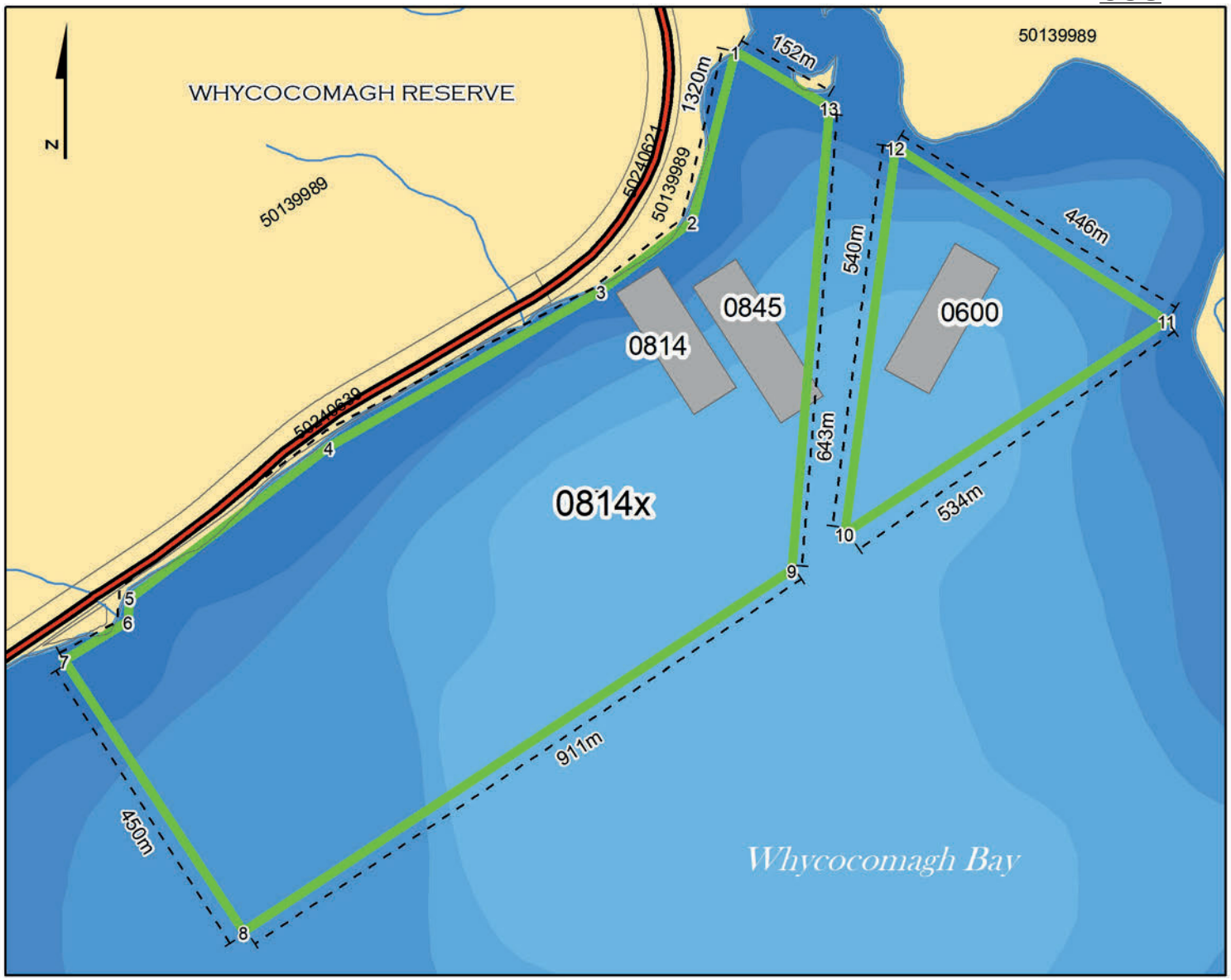


Aquaculture Site

0814x

Centre
Lat 45° 56' 56.14" Long -61° 07' 38.64"
Corner 1
Lat 45° 57' 15.95" Long -61° 07' 29.08"
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Lat 45° 57' 11.47" Long -61° 07' 18.88"
Corner 13
Lat 45° 57' 13.33" Long -61° 07' 23.09"

DATUM NAD 83
The above coordinates
are not from a legal survey



Application Information

Proponents : We'Koqma'q First Nation
Site Location : Whyococomagh Bay
Dimensions : See Sketch
Area : Approx. 65.53 ha

Proposed Application
Other Issued Lease
Other Proposed Lease
OMHW Mark
Low Water Mark

Species: Rainbow Trout

Chart No.
4278

NOVA SCOTIA
Fisheries and Aquaculture

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MK-0814x-APR-2019

From: Winfield, Lynn
Sent: October 30, 2019 8:09 AM
To: keith.macdonald@invernesscounty.ca
Subject: South Aberdeen, Whycobah Bay - AQ1431 We'koqma'q First Nation and North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Finfish Applications

Good Morning Mr. MacDonald,

Please see the attached correspondence. I will put the originals in the mail to you today.

If you have any questions please do not hesitate to contact me

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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AQ1430 Letter to Mun. of County Inve

AQ1431 Letter to Mun. of County Inve

NOVA SCOTIA

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

October 28, 2019

Municipality of the County of Inverness
Keith MacDonald, Chief Administrative Officer
P.O. Box 179
375 Main Street
Port Hood, Nova Scotia,
B0E 2W0

Dear Mr. MacDonald:

Re: Notification of Proposed Aquaculture Application No. 1430
North Aberdeen, Whycocomagh Bay, Inverness County

In an effort to keep communities better informed about aquaculture activities in their area, the Province of Nova Scotia is continuing to contact municipalities directly to inform them of proposed applications for aquaculture sites.

The purpose of this letter is to notify the Municipality of the County of Inverness of a proposed aquaculture site located in North Aberdeen, Whycocomagh Bay, Inverness County. Please see enclosed information and maps regarding this application.

We do not require your feedback; however you are more than welcome to contact our department directly if you have any questions. You can reach me by phone at 902-875-7440 or by email Lynn.Winfield@novascotia.ca .

Sincerely,

[redacted]

Lynn Winfield,
Licensing Coordinator

Enclosure: Network Memo and Maps

c. Robert Ceschiutti, Manager, Licensing and Leasing
Gordon Smith, Department of Municipal Affairs

NOVA SCOTIA

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

MEMORANDUM

To: Aquaculture Network Agencies

From: Lynn Winfield, Licensing Coordinator, Aquaculture Division
Nova Scotia Department of Fisheries and Aquaculture

CC: Matthew King, GIS Analyst
Nathaniel Feindel, Manager of Aquaculture Development
Nicole Sampson, Coastal Resource Coordinator

Date: October 28, 2019

RE: New Aquaculture Licence and Lease Application No. 1430 – Inverness County Aquaculture Network Review

Attention network agencies, We'koqma'q First Nation has submitted a new aquaculture application #1430 for the marine finfish cage cultivation of Rainbow Trout. The site is located in North Aberdeen, Whycocomagh Bay, Inverness County.

Please find attached information relating to the following aquaculture Marine Finfish application:

Application No.:	1430
Proponent:	We'koqma'q First Nation
Application Type:	Application for Marine Cage Cultivation of Rainbow Trout
Location:	North Aberdeen, Whycocomagh Bay, Inverness County

To facilitate the screening process, NSDFA offers the following points of information:

1. Following the review of the application by our Network Partners, this application will be provided to the Aquaculture Review Board for final decision;
2. The applicant is making application to Transport Canada for an authorization under the Navigation Protection Act for the placement of marine cages;
3. Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application No. 1430, should AQ#1430 be approved, AQ#5010 will be discontinued.

We request that you review and submit all components that pertain to this application by December 28, 2019

Note: We require a written (mail/email) response from each of our review agencies in order to process this application. You may contact me at by phone at 902-875-7440 or email Lynn.Winfield@novascotia.ca if you have any questions.

Sincerely,

Lynn

Lynn Winfield,
Licensing Coordinator

SCHEDULE A
GPS COORDINATE INFORMATION SHEET

Application #:	1430		
Applicant:	We'Koqma'q First Nation		
Location:	Whyococomagh Bay	County:	Inverness
Hydrographic Chart:	4278	Orthophoto #:	
Dimensions of site:	Approx. 860m x 433m x 898m 362m	Size:	Approx. 34.90 ha

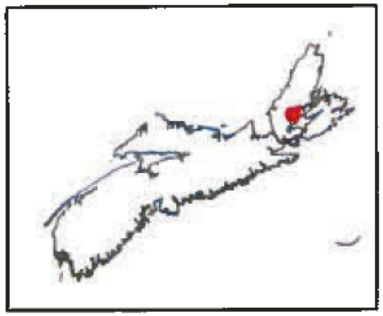
Approximate Coordinates of Application:

Datum used: NAD 83

Centre coordinates (approx.) Lat. 45° 58' 41.78"
Long. -61° 01' 28.51"

Corner #1	Lat.	45° 58' 30.40"	Corner #2	Lat.	45° 58' 40.40"
	Long.	-61° 01' 42.65"		Long.	-61° 01' 51.51"
Corner #3	Lat.	45° 58' 54.40"	Corner #4	Lat.	45° 58' 41.78"
	Long.	-61° 01' 14.92"		Long.	-61° 01' 06.14"

NOTE: THESE COORDINATES ARE NOT FROM A LEGAL SURVEY.

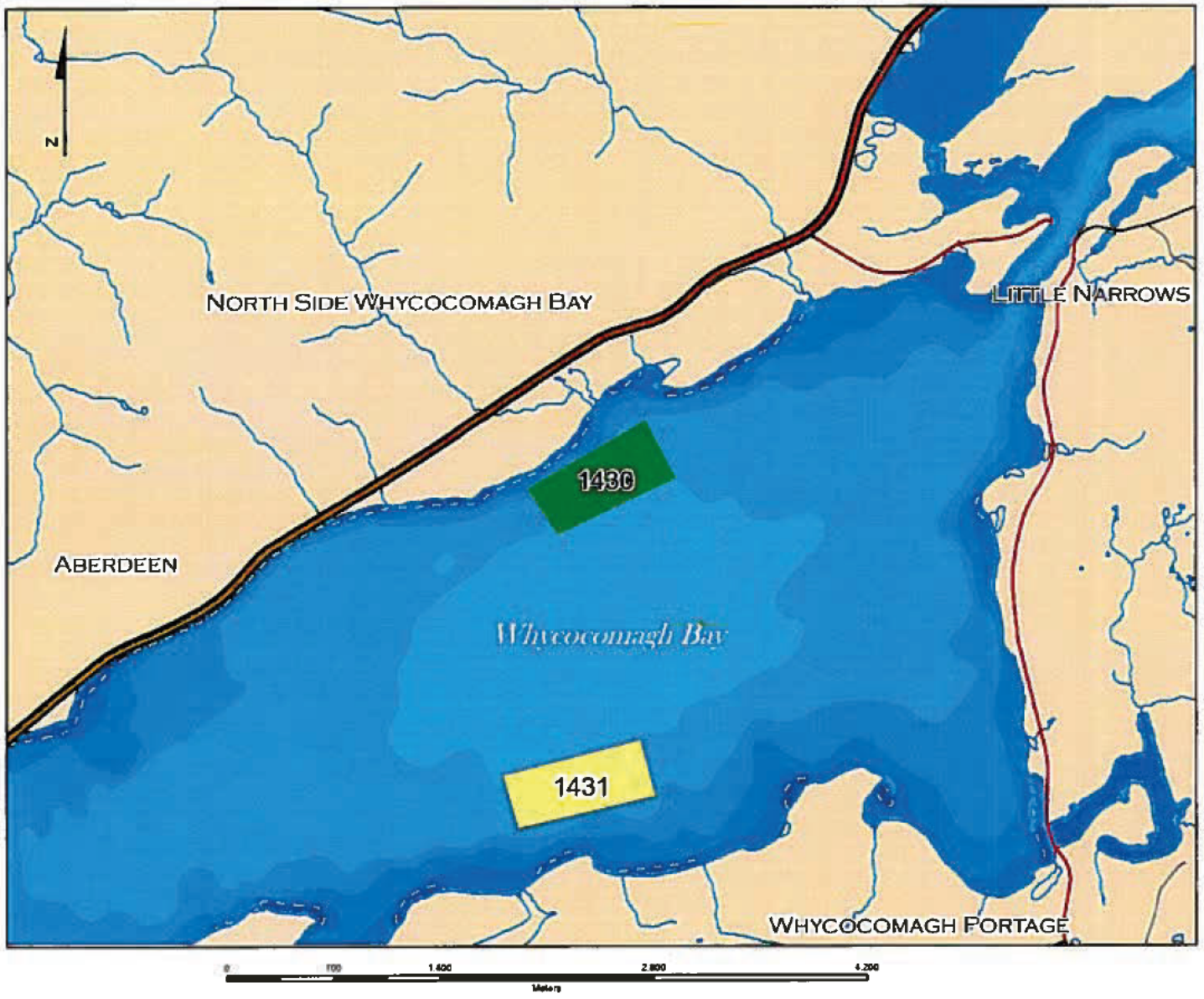


Aquaculture Site

1430

Centre
Lat 45° 58' 41.78" Long -61° 01' 28.61"
Corner 1
Lat 45° 58' 30.40" Long -61° 01' 42.65"
Corner 2
Lat 45° 58' 40.40" Long -61° 01' 51.61"
Corner 3
Lat 45° 58' 54.40" Long -61° 01' 14.92"
Corner 4
Lat 45° 58' 41.78" Long -61° 01' 06.14"

DATUM NAD 83
The above coordinates
are not from a legal survey



Application Information

Proponents : We'Koqma'q First Nation
Site Location : Whycocomagh Bay
Dimensions : Approx. 860m x 433m x 898m x 362m
Area : Approx. 34.90 ha

Proposed Application
Other Issued Lease
Other Proposed Lease
OMHW Mark
Low Water Mark

Species: Rainbow Trout

Chart No.
4278

NOVA SCOTIA
Fisheries and Aquaculture

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MK-1430-APR-2019

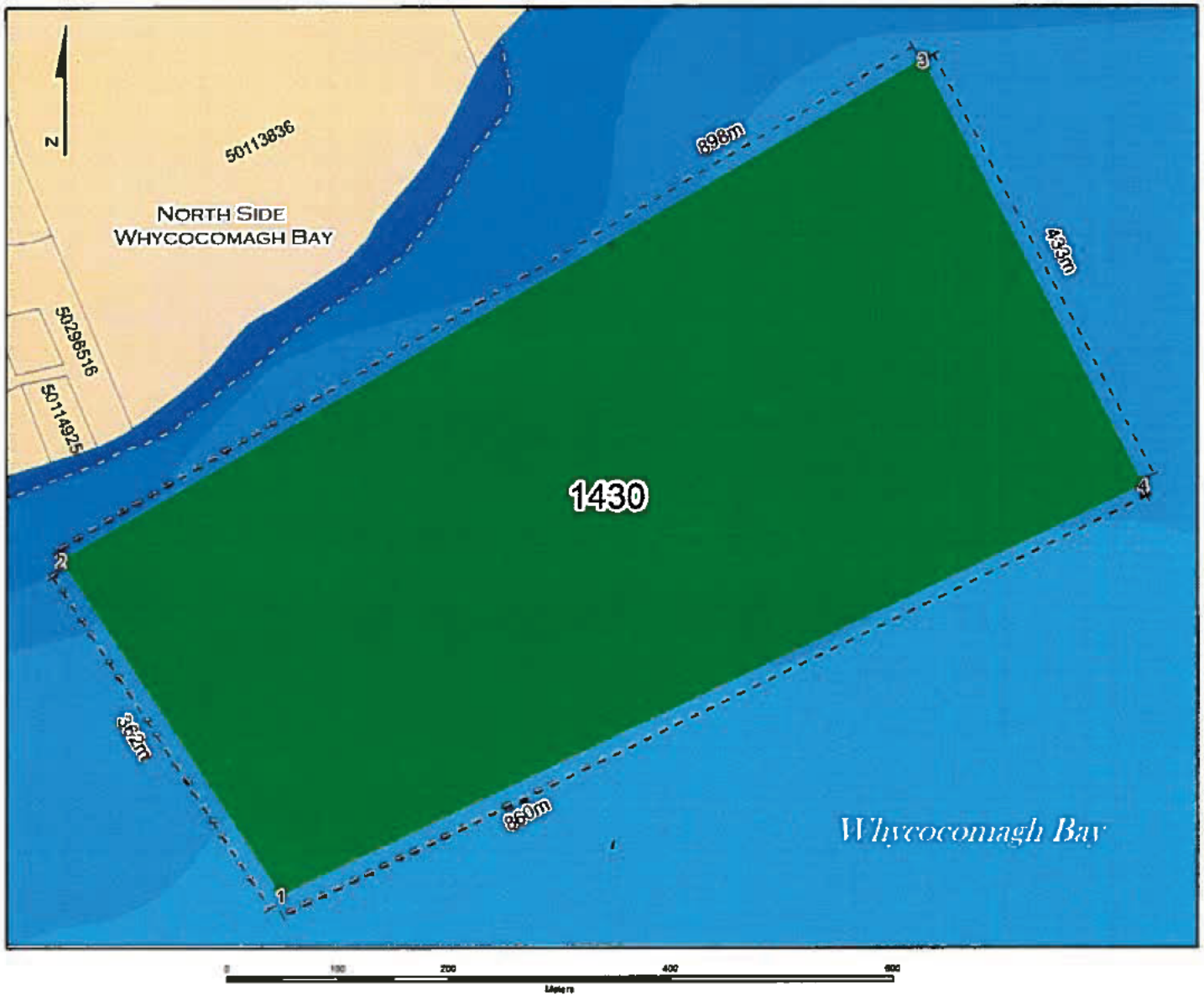


Aquaculture Site

1430

Centre
Lat 45° 58' 41.78" Long -61° 01' 28.61"
Corner 1
Lat 45° 58' 30.40" Long -61° 01' 42.65"
Corner 2
Lat 45° 58' 40.40" Long -61° 01' 51.51"
Corner 3
Lat 45° 58' 54.40" Long -61° 01' 14.92"
Corner 4
Lat 45° 58' 41.78" Long -61° 01' 06.14"

DATUM NAD 83
The above coordinates
are not from a legal survey



Application Information

Proponents : We'Koqma'q First Nation
Site Location : Whycocomagh Bay
Dimensions : Approx. 860m x 433m x 898m x 362m
Area : Approx. 34.90 ha

Proposed Application
Other Issued Lease
Other Proposed Lease
OMHW Mark
Low Water Mark

Species: Rainbow Trout

Chart No.
4278

NOVA SCOTIA
Fisheries and Aquaculture

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MK-1430-APR-2019

NOVA SCOTIA

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

October 28, 2019

Municipality of the County of Inverness
Keith MacDonald, Chief Administrative Officer
P.O. Box 179
375 Main Street
Port Hood, Nova Scotia,
B0E 2W0

Dear Mr. MacDonald:

Re: Notification of Proposed Aquaculture Application No. 1431
South Aberdeen, Whycocomagh Bay, Inverness County

In an effort to keep communities better informed about aquaculture activities in their area, the Province of Nova Scotia is continuing to contact municipalities directly to inform them of proposed applications for aquaculture sites.

The purpose of this letter is to notify the Municipality of the County of Inverness of a proposed aquaculture site located in South Aberdeen, Whycocomagh Bay, Inverness County. Please see enclosed information and maps regarding this application.

We do not require your feedback; however you are more than welcome to contact our department directly if you have any questions. You can reach me by phone at 902-875-7440 or by email Lynn.Winfield@novascotia.ca .

Sincerely,

[redacted]

Lynn Winfield,
Licensing Coordinator

Enclosure: Network Memo and Maps

c. Robert Ceschiutti, Manager, Licensing and Leasing
Gordon Smith, Department of Municipal Affairs

NOVA SCOTIA

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

MEMORANDUM

To: Aquaculture Network Agencies

From: Lynn Winfield, Licensing Coordinator, Aquaculture Division
Nova Scotia Department of Fisheries and Aquaculture

CC: Matthew King, GIS Analyst
Nathaniel Feindel, Manager of Aquaculture Development
Nicole Sampson, Coastal Resource Coordinator

Date: October 28, 2019

RE: New Aquaculture Licence and Lease Application No. 1431 – Inverness County Aquaculture Network Review

Attention network agencies, We'koqma'q First Nation has submitted a new aquaculture application #1431 for the marine finfish cage cultivation of Rainbow Trout. The site is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Please find attached information relating to the following aquaculture Marine Finfish application:

Application No.:	1431
Proponent:	We'koqma'q First Nation
Application Type:	Application for Marine Cage Cultivation of Rainbow Trout
Location:	South Aberdeen, Whycocomagh Bay, Inverness County

To facilitate the screening process, NSDFA offers the following points of information:

1. Following the review of the application by our Network Partners, this application will be provided to the Aquaculture Review Board for final decision;
2. The applicant is making application to Transport Canada for an authorization under the Navigation Protection Act for the placement of marine cages;
3. Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application No. 1431, should AQ#1431 be approved, AQ#5010 will be discontinued.

We request that you review and submit all components that pertain to this application by December 28, 2019

Note: We require a written (mail/email) response from each of our review agencies in order to process this application. You may contact me at by phone at 902-875-7440 or email Lynn.Winfield@novascotia.ca if you have any questions.

Sincerely,

Lynn

Lynn Winfield,
Licensing Coordinator

SCHEDULE A
GPS COORDINATE INFORMATION SHEET

Application #:	1431		
Applicant:	We'Koqma'q First Nation		
Location:	Whyococomagh Bay	County:	Inverness
Hydrographic Chart:	4278	Orthophoto #:	
Dimensions of site:	Approx. 927m x 381m x 921m 364m	Size:	Approx. 34.42 ha

Approximate Coordinates of Application:

Datum used: NAD 83

Centre coordinates (approx.) Lat. 45° 57' 36.55"
Long. -61° 01' 37.23"

Corner #1	Lat.	45° 57' 39.10"	Corner #2	Lat.	45° 57' 45.90"
	Long.	-61° 02' 01.01"		Long.	-61° 01' 19.05"
Corner #3	Lat.	45° 57' 33.90"	Corner #4	Lat.	45° 57' 27.70"
	Long.	-61° 01' 14.86"		Long.	-61° 01' 56.71"

NOTE: THESE COORDINATES ARE NOT FROM A LEGAL SURVEY.

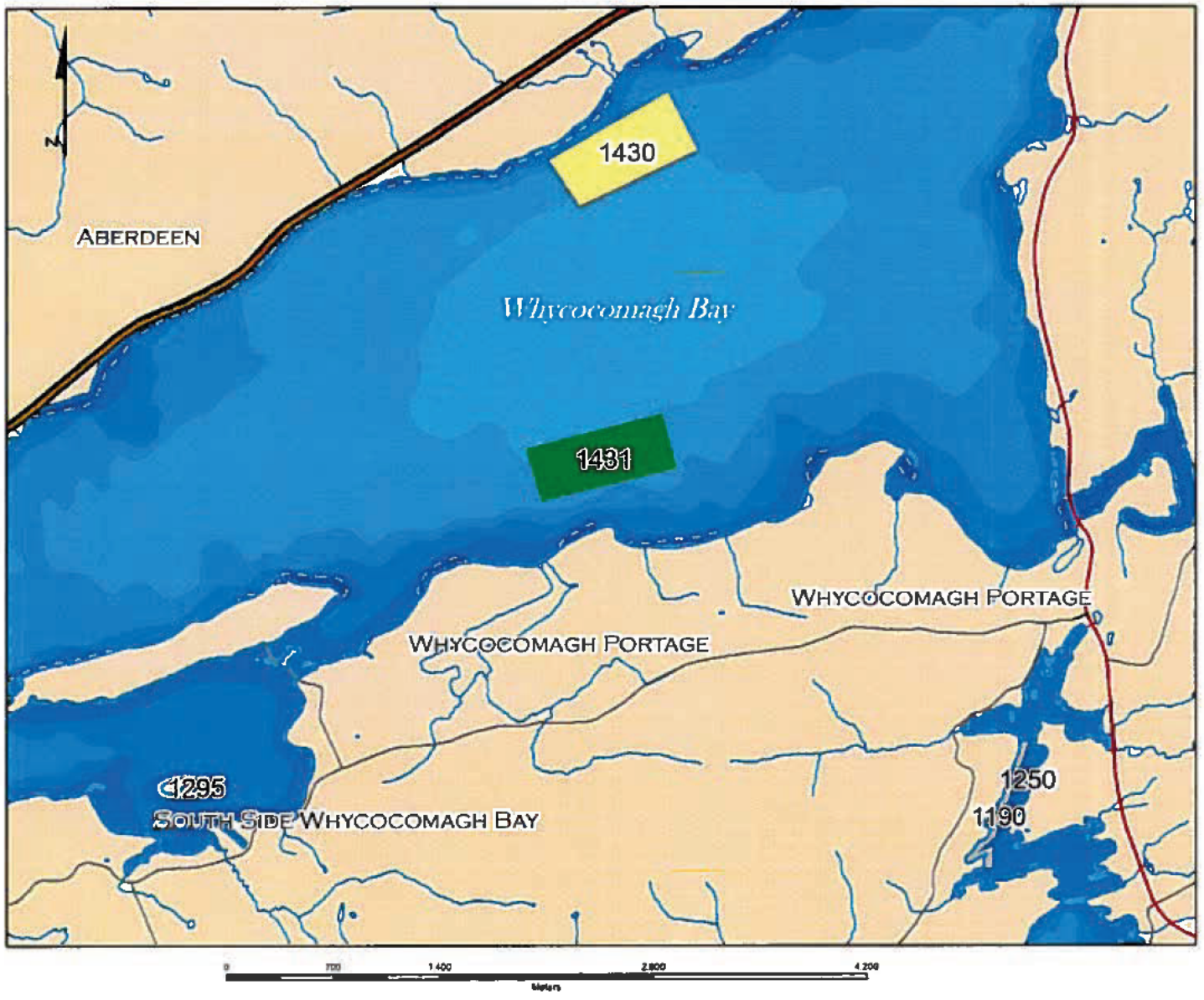


Aquaculture Site

1431

Centre
Lat 45° 57' 36.55" Long -61° 01' 37.23"
Corner 1
Lat 45° 57' 39.10" Long -61° 02' 01.01"
Corner 2
Lat 45° 57' 46.90" Long -61° 01' 19.05"
Corner 3
Lat 45° 57' 33.90" Long -61° 01' 14.86"
Corner 4
Lat 45° 57' 27.70" Long -61° 01' 56.71"

DATUM NAD 83
The above coordinates are not from a legal survey



Application Information

Proponents : We'Koqma'q First Nation
Site Location : Whycocomagh Bay
Dimensions : Approx. 927m x 381m x 921m x 364m
Area : Approx. 34.42 ha

Proposed Application
Other Issued Lease
Other Proposed Lease
OMHW Mark
Low Water Mark

Species: Rainbow Trout

Chart No.
4278

NOVA SCOTIA
Fisheries and Aquaculture

Disclaimer

This map should not be used for navigation or legal purposes. It is intended for general reference use only.

MK-1431-APR-2019

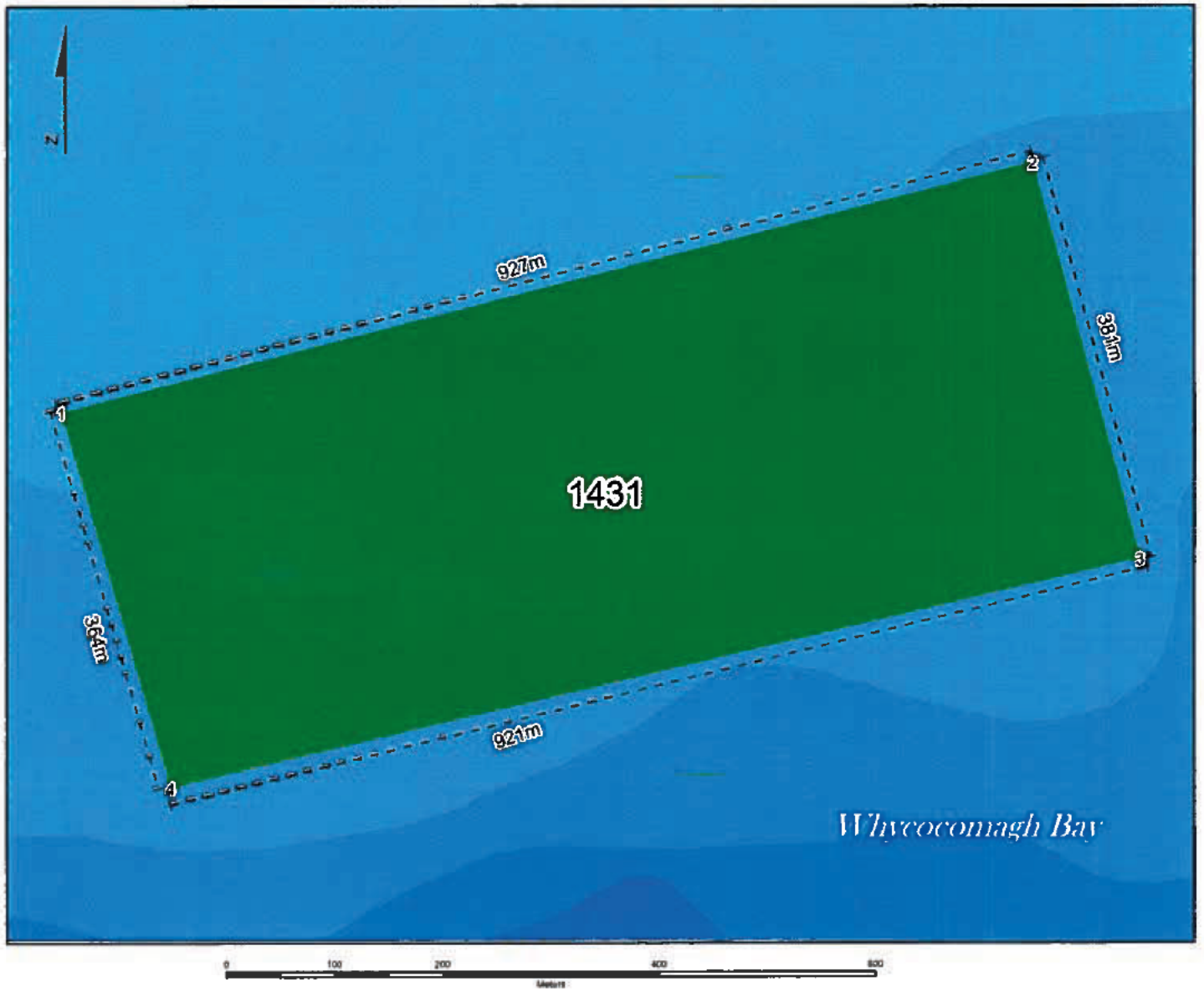


Aquaculture Site

1431

Centre
Lat 45° 57' 36.55" Long -61° 01' 37.23"
Corner 1
Lat 45° 57' 39.10" Long -61° 02' 01.01"
Corner 2
Lat 45° 57' 45.90" Long -61° 01' 19.05"
Corner 3
Lat 45° 57' 33.90" Long -61° 01' 14.86"
Corner 4
Lat 45° 57' 27.70" Long -61° 01' 56.71"

DATUM NAD 83
The above coordinates
are not from a legal survey



Application Information

Proponents : We'Koqma'q First Nation
Site Location : Whycocomagh Bay
Dimensions : Approx. 927m x 381m x 921m x 364m
Area : Approx. 34.42 ha

Proposed Application
Other Issued Lease
Other Proposed Lease
OMHW Mark
Low Water Mark

Species: Rainbow Trout

Chart No.
4278

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Fisheries and Aquaculture

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MK-1431-APR-2019

APPENDIX J - NOVA SCOTIA DEPARTMENT OF COMMUNITIES, CULTURE, TOURISM AND HERITAGE (PREVIOUSLY DEPARTMENT OF COMMUNITIES, CULTURE AND HERITAGE)

From: Winfield, Lynn
Sent: July 15, 2019 11:05 AM
To: 'Angela Smith' <angela.smith@inspection.gc.ca>; shane.hood@inspection.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Morning,

Please see the attached information on the boundary amendment application No. 0814, in Whycocomagh Bay, Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by September 16, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website
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AQ0814 Network Memo.pdf
Dev Plan.pdf
AQ0814 Network Agency Review Form

NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.2.1 – AQ#0814x Development Plan (2019) and Section 4.2.4 – Development Plans Appendices (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>

Sent: Friday, August 30, 2019 12:42 PM
To: rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: FW: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Afternoon

Please be reminded that our office has not received comments from your Department for the proposed aquaculture site in Whycocomagh Bay, Inverness Co. AQ0814. Your comments are due on or before **September 16, 2019**.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>
Sent: September 18, 2019 2:24 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: Weseloh McKeane, Sean <Sean.WeselohMcKeane@novascotia.ca>
Subject: RE: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

See attached. Katie



AQ0814 Network Agency Review Form

Network Agency Review of an Aquaculture Application

Agency	**CCH**
Division (if applicable)	**Archives, Museums & Libraries**
Date	**September 18, 2019**
File No.	**AQ#0814 - Whycocomagh Bay, Inverness County**
Type of application	**Boundary Amendment - Marine Finfish Cage Cultivation (Rainbow trout & Atlantic salmon)**
Information Provided	**archaeology**

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

- ☒ No concerns regarding the proposed development
- ☐ Concerns with development are expressed below
- ☐ Request modifications to the proposed development (described below)
- ☐ Required or recommended conditions (described below)
- ☐ Request additional information (described below)
- ☐ Request meeting with applicant and NSDFA (described below)
- ☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

Given this application concerns a boundary change, I do not have archaeological concerns at this time.
If during aquaculture construction or operation activities, archaeological materials are recovered, please contact the Coordinator of Special Places Program immediately.

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

From: Winfield, Lynn
Sent: October 29, 2019 4:03 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1430, in Whycocomagh Bay (North Aberdeen), Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.2 – AQ#1430 Application Form (2019), Section 4.2.2 – AQ#1430 Development Plan (2019), Section 4.2.4 – Development Plan Appendices (2019) and Section 4.3 – Additional Information Requests and Responses (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn
Sent: October 29, 2019 4:14 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: South Aberdeen, Whycobah Bay - AQ1431 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1431, in Whycocomagh Bay (South Aberdeen), Inverness County, along with the Network Agency Review Form.

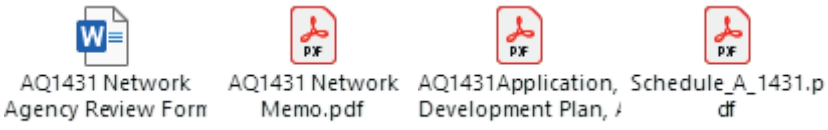
Please respond with your feedback by December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website
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NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.3 – AQ#1431 Application Form (2019), Section 4.2.3 – AQ#1431 Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: December 18, 2019 12:34 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: RE: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1430 for We'koqma'q First Nations in Whycocomagh Bay (North Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Winfield, Lynn
Sent: December 18, 2019 12:36 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: South Aberdeen Whycobah Bay AQ1431 Wekoqmaq First Nation New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1431 for We'koqma'q First Nations in Whycocomagh Bay (South Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 10:24 AM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; donald

<donalddavis@waycobah.ca>
Subject: Discussion regarding AQ 1430, 1431

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Hello Robert:
I am wondering if we can arrange a call to discuss the lease applications for AQ 1430, 1431. We'koqma'q has learned some things in the past year of working the experimental site (AQ 5010) and we'd like to apply that knowledge to the lease applications.

Please let me know if/when this would be possible.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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From: Ceschiutti, Robert [mailto:Robert.Ceschiutti@novascotia.ca]
Sent: Monday, July 13, 2020 12:02 PM
To: Melissa Rommens
Cc: Feehan, Jennifer; Winfield, Lynn; donald
Subject: RE: Discussion regarding AQ 1430, 1431

Hi Melissa, sounds good. I'll find out who else on our team would like to join the call, which will help determine when we can arrange the meeting. I should have a reply for you by tomorrow afternoon.

Regards,
Robert Ceschiutti
Manager, Licensing and Leasing
NS Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
Phone: 902-875-7430
Cell: 902-874-0996
Robert.Ceschiutti@novascotia.ca

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 12:31 PM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Subject: RE: Discussion regarding AQ 1430, 1431

Thank you Robert.
Melissa

NOTE: Please refer to correspondence in Appendix B for the July 23, 2020 Meeting Invitation.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: September 9, 2020 12:07 PM
To: Aquaculture <Aquaculture@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: donald <donalddavis@waycobah.ca>
Subject: Changes to applications for AQ 1430 and 1431

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Please find attached a formal request for production plan changes to the applications for AQ 1430 and 1431. Please be sure to reach out with questions or concerns.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Revisions to 1430 1431.pdf

NOTE: Please refer to the Application Package, Volume 2, Section 4.4 – Development Plan

Revisions AQ#1430 and AQ#1431 (2020), for the attachment in this email.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: September 9, 2020 12:07 PM
To: Aquaculture <Aquaculture@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: donald <donalddavis@waycobah.ca>
Subject: Changes to applications for AQ 1430 and 1431

** EXTERNAL EMAIL / COURRIEL EXTERNE **
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Please find attached a formal request for production plan changes to the applications for AQ 1430 and 1431. Please be sure to reach out with questions or concerns.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Revisions to 1430 1431.pdf

NOTE: Please refer to the Application Package, Volume 2, Section 4.4 – Development Plan Revisions AQ#1430 and AQ#1431 (2020), for the attachment in this email.

From: Greenwood, Megan N
Sent: March 29, 2021 1:54 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>;

Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1430 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1430 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in North Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo-Amended Pla

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by Network, and the Application Package, Volume 2, Section 4.4 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Greenwood, Megan N
Sent: March 29, 2021 3:52 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>

Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1431 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1431 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in South Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo Amended Plar

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by Network, and Application Package, Volume 2, Section 4.4 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 30, 2021 9:47 AM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O

<Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1430 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include to template form for comment.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 30, 2021 9:49 AM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1431 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include the template in the original email.

Megan Greenwood
Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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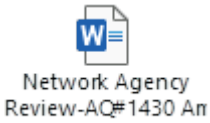


NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

From: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>
Sent: May 25, 2021 5:29 PM
To: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Cc: Cormier, John Kenneth <John.Cormier@novascotia.ca>; Cross, Anna <Anna.Cross@novascotia.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

Hi Megan,

Please see attached. Katie



Network Agency Review of an Aquaculture Application

Agency	**CCH**
Division (if applicable)	**Archives, Museums & Libraries**
Date	**May 25, 2021**
File No.	**1430**
Type of application	**New Marine Finfish**
Information Provided	**Archaeology**

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☐ No concerns regarding the proposed development
☐ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☒ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

This is an amended application. I do not have any significant archaeological concerns at this time, however, if the operators encounter any archaeology artifacts during their work at the fin fish farm, please contact John Cormier, the Coordinator of Special Places at CCH immediately.

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: June 22, 2021 11:57 AM
To: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>
Cc: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: FW: AQ#1430 Network Memo-Amended Plan
Hi Katie,

Is this comment for AQ#1430 only, or both AQ#1430 and AQ#1431, combined? I have attached the memo for AQ#1431.
-Megan

From: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>
Sent: June 22, 2021 12:36 PM
To: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Cc: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

Hi Megan,
Yes 1431 too. I have added that to the form attached. katie


Network Agency Review-AQ#1430 An

Network Agency Review of an Aquaculture Application

Agency	**CCH**
Division (if applicable)	**Archives, Museums & Libraries**
Date	**May 25, 2021**
File No.	**1430 and 1431**
Type of application	**New Marine Finfish**
Information Provided	**Archaeology**

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☐ No concerns regarding the proposed development
☐ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☒ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

This is an amended application. I do not have any significant archaeological concerns at this time, however, if the operators encounter any archaeology artifacts during their work at the fin fish farm, please contact John Cormier, the Coordinator of Special Places at CCH immediately.

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

Sent: June 22, 2021 4:06 PM
To: donald <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: AQ#0814 Compilation of Network Comments

Hi Donald and Melissa,

Please find attached the compilation of comments received from Network Agencies for AQ#0814. A compilation of DFO's requests for additional information to date is attached separately. Please note that DFO's final Letter of Advice and CSAS Report for this application are still pending.

In regard to Nova Scotia Department of Lands and Forestry's comments (see pages 39-41), we would like to set up a call to discuss and provide some clarification. To allow time for you to review the network comments and prepare any questions, would a call on **July 14th at 11 am** work for you?

Please let me know and I will follow up with a meeting request.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

1 - AQ#0814 Compilation of Netv

2 - AQ#0814 Compilation of DFO

NOTE: Please refer to Appendix N for the Compilation of Network Comments for AQ#0814x up to June 22, 2021, attached in this email.

From: Melissa Rommens <melissa@sustainaqua.ca>
Date: 2021-06-23 7:58 a.m. (GMT-04:00)
To: "'Feehan, Jennifer'" <Jennifer.Feehan@novascotia.ca>, 'donald' <donalddavis@waycobah.ca>
Cc: "'Greenwood, Megan N'" <Megan.Greenwood@novascotia.ca>, "'Feindel, Nathaniel J'" <Nathaniel.Feindel@novascotia.ca>, "'Ceschiutti, Robert'" <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

This time is good for me Jennifer.

Please await a reply from Donald before final scheduling.

Kind regards,

Melissa

From: donalddavis <donalddavis@waycobah.ca>
Sent: June 23, 2021 8:18 AM
To: Melissa Rommens <melissa@sustainaqua.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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That time is fine with me.....Regards Donald.

Sent from my Bell Samsung device over Canada's largest network.

NOTE: Please refer to correspondence in Appendix B for the July 14, 2021 Meeting Invitation.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 26, 2021 4:44 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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Hello Jennifer:
Find attached a response to the compiled network comments as referred to in the email below.

There are a few outstanding items noted:

- Confirm if anything is outstanding with TC.
- Determine contact information for the Coordinator of Special Places Program of NSCCH.
- Confirm if anything is required for NSECC.
- Determine intention of bald eagle monitoring requested by NSDLF.
- Confirm if additional information is required for DFO.

We are available to discuss the above as well as the submission at your convenience.

Thank-you for the opportunity to discuss and respond to the network concerns.

Kind regards,
Melissa.

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Network comment responses 0814x Jul

NOTE: Please refer to correspondence in Appendix B dated July 26, 2021, for the complete document attached in this email. The proponent's response specific to CCTH are attached below for reference.

6. Nova Scotia Communities Culture and Heritage; Sept. 18, 2019: No concerns regarding the proposed development. No reply required.

We note that if during aquaculture construction or operation activities, archaeological materials are recovered, the Coordinator of Special Places Program is to be contacted immediately. This note has been added to the FMP in Section 8.4. Please provide us with a contact for the Coordinator of Special Places Program.

From: Feehan, Jennifer
Sent: August 3, 2021 11:36 AM
To: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Smith, Vanessa Lynn <Vanessa.Smith@novascotia.ca>
Subject: AQ#0814 - Coordinator Special Places Program Contact Info Request

Hi Katie,

I am following up on network comments previously provided for aquaculture application AQ#0814 (attached for reference) to inquire about contact information for the **Coordinator of Special Places Program** so we can provide this to the proponent for their records.

Is there a specific person to be contacted, or perhaps a general phone number and/or email address in case the Coordinator changes overtime?

Many thanks,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

2019.09.18-CCH-Response-AQ#0814.pdf

NOTE: Please refer to correspondence above (see September 18, 2019) for the attachment in this email.

From: Feehan, Jennifer
Sent: August 5, 2021 4:46 PM
To: Melissa Rommens <melissa@sustainaqua.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

Hi Melissa,

Thank you for your submission of the response to network comments for AQ#0814. I am in the process of reviewing your responses and will get them sent out to the appropriate network agencies as soon as possible.

Regarding the outstanding items outlined in your email:

- TC has confirmed that they have the application and do not require you to reapply through the online portal.
- NSCCH has been contacted and we are waiting for a response. The general contact information for the Department is cch@novascotia.ca and (902) 424-2170, but I will see I can get you a direct contact.

- NSE has confirmed that they have not received comment from the compliance team and agreed that NSDFA will request comment directly from the Compliance and Enforcement Division for the compliance report, which is the regular process for receiving comment from the compliance team.
- I will follow up with NSDLF on the bald eagle monitoring when I send your response.
- I will confirm with DFO that no additional information is required when I send your response.

I will be in touch with any additional updates.

Kind regards,
Jennifer

From: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>
Sent: August 31, 2021 11:41 AM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Smith, Vanessa Lynn <Vanessa.Smith@novascotia.ca>
Subject: RE: AQ#0814 - Coordinator Special Places Program Contact Info Request

Hi Jennifer,

The Coordinator of Special Places Program is John Cormier. His email is john.cormier@novascotia.ca. His particulars are on the CCH website Special Places Program page. katie

---

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: August 31, 2021 11:44 AM
To: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Smith, Vanessa Lynn <Vanessa.Smith@novascotia.ca>
Subject: RE: AQ#0814 - Coordinator Special Places Program Contact Info Request

Hi Katie,

Thank you, I will pass this information along to the proponent.

Kind regards,
Jennifer

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: August 31, 2021 4:38 PM
To: Melissa Rommens <melissa@sustainaqua.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

Hi Donald and Melissa,

I have confirmed with Communities, Culture and Heritage that the contact person for the Special Places Program is John Cormier. John's email is John.Cormier@novascotia.ca and phone number is 902-424-6475.

Additional information on the Special Places Program can be found here: https://cch.novascotia.ca/exploring-our-past/special-places

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: September 1, 2021 11:18 AM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: donald <donalddavis@waycobah.ca>
Subject: FW: AQ#0814 Compilation of Network Comments

Got it. Thanks for the follow up Jennifer.
Melissa

From: Province of Nova Scotia - Secure File Transfer Service <do-not-reply@novascotia.ca>
Sent: December 13, 2023 11:36 AM
To: Holland, Susanne Cecelia <Susanne.Holland@novascotia.ca>
Subject: Delivery Receipt for package 'AQ # 0814 Scans'

Package Delivery Receipt

Meuse-Dallien, Matt viewed package "AQ # 0814 Scans" at 12/13/2023 11:36:09 AM. (Original package posted at 12/12/2023 11:53:52 AM.)

You are receiving this email because our records show you posted package "AQ # 0814 Scans" and requested delivery receipts for the package.

Please use the following URL and your username/password to view the complete history of this package:

(https://sfts1.gov.ns.ca/human.aspx?OrgID=3408&Arg12=msghistory&Arg06=114574514&Arg08=2zt91i1qe5gz1or2)

Regards,
Province of Nova Scotia - Secure File Transfer Service

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: December 14, 2023 4:06 PM
To: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>
Cc: Meuse-Dallien, Matt <Matt.Meuse-Dallien@novascotia.ca>; Holland, Susanne Cecelia <Susanne.Holland@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#0814x, 1430, 1431 Side Scan Data

Hi Katie,

I am following up on the side scan data that was sent via secure file transfer on December 12th, for We'koqma'q First Nation's aquaculture applications AQ#0814x, #1430 and #1431 in Whycocomagh Bay. The sonar data was recently collected by NSDFA and has been sent to CCTH to maintain consistency with data sharing to date.

These applications are in the final stages of the adjudicative process for a boundary amendment (AQ#0814x) and two new marine finfish sites (AQ#1430 and 1431). CCTH provided comments on these applications, which have been attached for reference.

Please do not hesitate to reach out if you have any questions.

Thanks,
Jennifer

NOVA SCOTIA
Fisheries and Aquaculture

Jennifer Feehan (she/her)
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor
Halifax, Nova Scotia B3J 3N8

P: (902) 237-0771

2019.09.18-CCH-Response-AQ#0814.pdf

2021.06.22-CCH-Catherine Cottreau Robir

NOTE: Please refer to correspondence above (see September 18, 2019 and June 22, 2021) for the attachments in this email.

From: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>
Sent: Thursday, December 14, 2023 4:52 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Meuse-Dallien, Matt <Matt.Meuse-Dallien@novascotia.ca>; Holland, Susanne Cecelia <Susanne.Holland@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: RE: AQ#0814x, 1430, 1431 Side Scan Data

THanks for this Jennifer. I've sent a note to Matt about the sonar. I will check my files. Are you looking for any additional comments from us based on the sonar review?

Yours, Katie

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: Monday, December 18, 2023 11:13 AM
To: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>
Cc: Meuse-Dallien, Matt <Matt.Meuse-Dallien@novascotia.ca>; Holland, Susanne Cecelia <Susanne.Holland@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: RE: AQ#0814x, 1430, 1431 Side Scan Data

Hi Katie,

The data has been sent to maintain consistency in sharing collected sonar information related to aquaculture applications. If reviewing the sonar data results in comments that change your current advice on these applications, please provide these comments as soon as possible.

Many thanks,
Jennifer

From: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>
Sent: Tuesday, December 19, 2023 1:18 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Cormier, John <John.Cormier@novascotia.ca>
Cc: Meuse-Dallien, Matt <Matt.Meuse-Dallien@novascotia.ca>; Holland, Susanne Cecelia <Susanne.Holland@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: RE: AQ#0814x, 1430, 1431 Side Scan Data

Hi Jennifer,

I have looked at the sonar files for these applications that Matt has prepared. Note that #1430, did not display. It comes up as a long, thin, black line.

I do not have any further amendments to my original comments at this time. Please include with them all, that if any archaeological materials are found or encountered, the operator should contact the Coordinator of Special Places, John Cormier to discuss.

Yours, katie

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: Tuesday, December 19, 2023 2:38 PM
To: Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Cormier, John <John.Cormier@novascotia.ca>
Cc: Meuse-Dallien, Matt <Matt.Meuse-Dallien@novascotia.ca>; Holland, Susanne Cecelia <Susanne.Holland@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Cook, David <David.Cook@novascotia.ca>; Feindel, Jessica A <Jessica.Feindel@novascotia.ca>
Subject: RE: AQ#0814x, 1430, 1431 Side Scan Data

Hi Katie,

Thank you for the quick review and response.

Regarding AQ#1430, I have copied Dave Cook from our Operations team who collected the data to see if we can determine the error. Dave will be back in the new year and should be able to address it then.

Your original comments have been shared with the applicant and we will pass along the comments below as well.

Thanks again,
Jennifer

APPENDIX K – NOVA SCOTIA DEPARTMENT OF NATURAL RESOURCES (PREVIOUSLY DEPARTMENT OF LANDS AND FORESTRY AND DEPARTMENT OF NATURAL RESOURCES AND RENEWABLES)

From: Winfield, Lynn
Sent: July 15, 2019 11:05 AM
To: 'Angela Smith' <angela.smith@inspection.gc.ca>; shane.hood@inspection.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Morning,

Please see the attached information on the boundary amendment application No. 0814, in Whycocomagh Bay, Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by September 16, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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AQ0814 Network Memo.pdf
Dev Plan.pdf
AQ0814 Network Agency Review Form

NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.2.1 – AQ#0814x Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn
Sent: August 30, 2019 12:42 PM

To: rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: FW: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Afternoon

Please be reminded that our office has not received comments from your Department for the proposed aquaculture site in Whycocomagh Bay, Inverness Co. AQ0814. Your comments are due on or before **September 16, 2019**.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: September 9, 2019 10:05 AM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Logue, Melanie <Melanie.Logue@novascotia.ca>
Subject: Question: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Hi Lynn,

I received a question from one of our reviewers re #0814. She would like to know if the new site 0814 will replace existing sites 0814, 0845 and 0600 into one large single lease? She would also like to confirm if #0814 covers new area not previously applied for or if it does.

My contact is just getting back from vacation and is very busy so I'd like to get back to her soon.

Warm Regards,

Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: September 10, 2019 12:57 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Logue, Melanie <Melanie.Logue@novascotia.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: RE: Question: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Afternoon Louise,

Sorry for the delay, but our office was without power yesterday.

The boundary amendment for AQ#0814 will overlay all three existing sites (AQ#0814, 0845 and 0600) and includes an expansion of the site area. The three existing sites cover approximately 4.26HA combined, and the expansion would increase the size of the single site to 75HA with a navigational corridor.

An updated site map was submitted by We'koqma'q in our request for more information letter (see attached response and map for reference).

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

Additional info attachment 0814 Ju

Additional info reponse 0814 July 4.

NOTE: Please refer to the Application Package, Volume 2, Section 4.3 – Additional Information Requests and Responses (2019), for the documents sent to and reviewed by DNR.

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: September 10, 2019 1:28 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Logue, Melanie <Melanie.Logue@novascotia.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: RE: Question: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Thanks very much Lynn for answering Melanie's question.

Warm Regards.
Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: September 11, 2019 2:19 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: Request for extension. AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Hi Lynn,

We are doing our best to respond to AQ 0814 however one of our reviewers cannot respond this week due to time pressures and competing priorities. Could we have an extension until Sept. 24? If I get the information sooner. I will

send it to you right away.

Warm Regards,
Louise
Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: September 11, 2019 2:37 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: Request for extension. AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Hi Louise,

Yes, an extension to September 25th is OK.

Thanks,
Lynn
E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: September 11, 2019 2:52 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: Request for extension. AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Thanks very much Lynn

Much appreciated,
Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: September 23, 2019 4:33 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: Lands and Forestry comments re. AQ0814

Hi Lynn,

Attached is Lands and Forestry's response to AQ 0814 Whycocomagh Bay, Inverness County. Thanks very much for providing the opportunity to comment and granting an extension. If you have any questions please do not hesitate to contact me.

Warm Regards,

Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530



L&F response
AQ0814 Network Ag

Network Agency Review of an Aquaculture Application

Agency	**Lands and Forestry**
Division (if applicable)	**Louise Boudreau (policy) on behalf of Lands and Forestry**
Date	**September 25 th 2019**
File No.	**AQ#0814 - Whycocomagh Bay, Inverness County**
Type of application	**Boundary Amendment - Marine Finfish Cage Cultivation (Rainbow trout & Atlantic salmon)**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☐ No concerns regarding the proposed development
☒ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☒ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

The Department of Lands and Forestry is aware that the proponent has had recent issues with the storage of nets and fish food outside and in a building close to the village. Bears have been attracted to the site and without intervention this will continue. This is a safety issue for both the proponent and the bears.

The Department of Lands and Forestry recommends the following conditions to alleviate this and other issues:

1. Storage of nets/fish food/wildlife attractants:
   The proponent must ensure that all nets, fish food and other potential wildlife attractants which are stored on land are stored in a fashion that will not attract bears and other scavenging animals. All waste should be

disposed of quickly and/or rendered non attractive for bears/ coyotes eagles etc.

2. Mitigation measures to protect diving fish eating birds
   There are currently no mitigation in place for diving fish eating birds (cormorants, loons etc.). The Department recommends that mitigation measures be put in place to ensure species are not entangled in the below water portion of the net if at all possible.

3. Monitoring impacts to the bald eagle:
   There are multiple areas of bald eagle significant habitat surrounding the proposed expansion area. The proponent has outlined mitigation for eagle predation resulting in entanglement. It is not expected that these areas will experience significant additional stress compared to current operation assuming mitigation is put in place. However, it is difficult to predict if the situation could change.

   The Department recommends that the proponent monitor the bald eagle population and make additional mitigations when necessary. This is required because of:
   - The increase in the size of the operation
   - This project has the potential to artificially increase the presence of eagles to the area and increase competition between them due to an increase in anthropogenic food sources (waste fish etc.). These effects would be difficult to measure.
   - Increased human presence in the area could have a negative impact on the nesting success of the eagles in the area.
   - Lastly, increased human activity may increase human wildlife conflicts in the area.

4. Mitigations to protect the shoreline from waste pollution:
   There is a tendency for waste to be produced by these projects that ends up on the shore. This may have a negative impact on terrestrial biodiversity and potentially the cleanliness of the park. The Department recommends that measures be undertaken to ensure waste remains onsite and does not pollute the shoreline.

Other Considerations:
There is wood turtle significant habitat near the area. This project should not have a negative impact on this habitat feature nor the individual turtles.

The Department defers to federal and provincial fisheries for expertise on the effects on the marine ecosystem. Any negative effects on the marine ecosystem may carry over to terrestrial species.

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

From: Winfield, Lynn
Sent: October 29, 2019 4:03 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1430, in Whycocomagh Bay (North Aberdeen), Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.2 – AQ#1430 Application Package (2019), Section 4.2.2 – AQ#1430 Development Plan (2019), Section 4.2.4 – Development Plan Appendices (2019) and Section 4.3 – Additional Information Requests and Responses (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn
Sent: October 29, 2019 4:14 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: South Aberdeen, Whycobah Bay - AQ1431 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1431, in Whycocomagh Bay (South Aberdeen), Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by December 28, 2019.

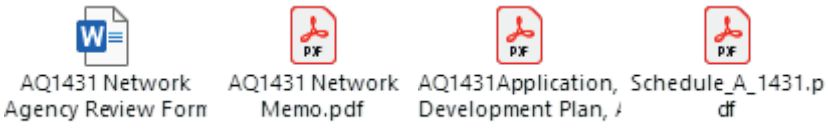
Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.3 – AQ#1431 Application Form (2019), Section 4.2.3 – AQ#1431 Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by Network.

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: November 20, 2019 11:44 AM
To: King, Matthew S <Matthew.King@novascotia.ca>
Subject: Request for Shape files for AQ 1430 and AQ1431

Hi Mathew,

It would be greatly appreciated if you could send me the Shape files for AQ #1430 and AQ#1431. I've attached the 1430 application. I also need 1431.

Warm Regards,
Louise
Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

From: King, Matthew S <Matthew.King@novascotia.ca>
Sent: November 22, 2019 10:40 AM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Winfield, Lynn <Lynn.Winfield@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Request for Shape files for AQ 1430 and AQ1431

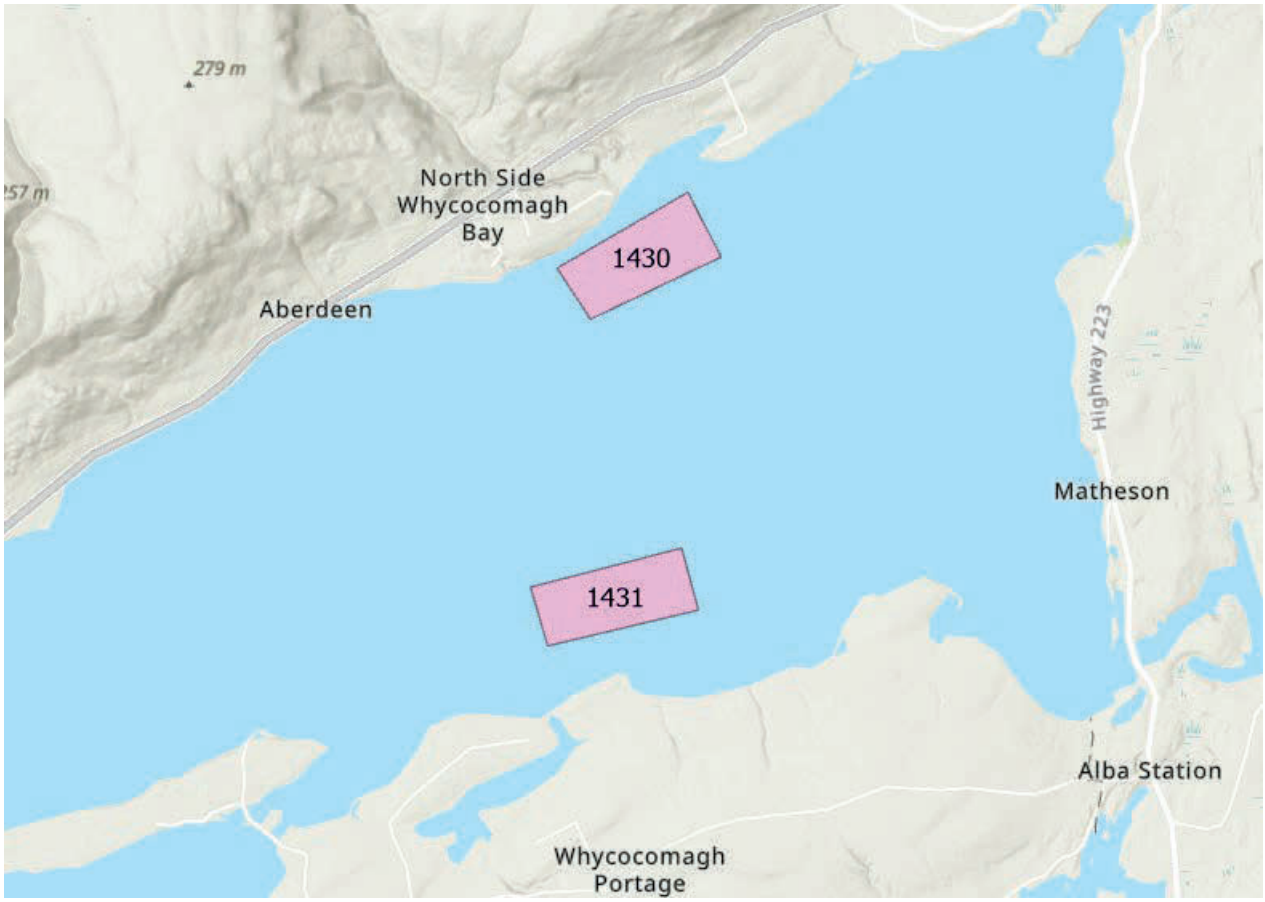
Hi Louise;

Please see attached shapefile regarding your request. The file shows both lease 1430 and 1431. Let me know if you have any questions.

Thanks,
Matthew
P: (902) 875-7437
C: (902) 875-6064
E: Matthew.King@novascotia.ca
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1430_1431.shp.zip

NOTE: The zipped file attachment in this email contains shapefiles which outline the coordinates of proposed new aquaculture site applications AQ#1430 and AQ#1431. Specialized software is required to open these files. The resulting shapefile can be viewed below.



From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: November 22, 2019 10:54 AM
To: King, Matthew S <Matthew.King@novascotia.ca>
Cc: Winfield, Lynn <Lynn.Winfield@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Request for Shape files for AQ 1430 and AQ1431

Excellent. Thanks very much
Louise
Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: December 18, 2019 12:34 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: RE: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1430 for We'koqma'q First Nations in Whycocomagh Bay (North Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Winfield, Lynn
Sent: December 18, 2019 12:36 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: South Aberdeen Whycobah Bay AQ1431 Wekoqmaq First Nation New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1431 for We'koqma'q First Nations in Whycocomagh Bay (South Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: December 18, 2019 4:07 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Cc: O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: L&F response South Aberdeen, Whycobah Bay - AQ1431 We'koqma'q First Nation - New Marine Finfish Application

Hi Lynn,

Attached is Lands and Forestry response to AQ 1430 and 1431. Please let me know if you have questions. I will be on vacation starting Thursday Dec. 19 returning Jan 6. I've cc. my director and colleague who may be able to help you on some of the days I'm not here.

Warm Regards,

Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

L&F response
AQ1430 & 1431 Net\

Network Agency Review of an Aquaculture Application

Agency	**Lands and Forestry**
Division (if applicable)	**Policy Division on behalf of the Department**
Date	**December 18th 2019**
File No.	**AQ1430 1431 - Whycocomagh Bay, Inverness County**
Type of application	**Boundary Amendment - Marine Finfish Cage Cultivation (Rainbow trout & Atlantic salmon)**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☐ No concerns regarding the proposed development
☒ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☒ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

The Department of Lands and Forestry has the following concerns:

The proponent has had recent issues with the storage of nets and fish food that are kept outside and in a building, close to the village. Bears have been attracted to the site and without intervention this will continue. This is a safety issue for both the proponent and the bears. The Department proposes the following conditions to alleviate this issue:

1. <u>Storage of nets/fish food/wildlife attractants:</u>
   The proponent must ensure that all nets, fish food and other potential wildlife attractants which are stored on land are stored in a fashion that will not attract bears and other scavenging animals. **The Department recommends that all waste be disposed of quickly and/or rendered non attractive for bears/ coyotes and eagles etc.**

2. The proponent has not provided any mitigations for diving fish eating birds (cormorants, loons etc.). **The Department recommends that mitigation measures be put in place to ensure species are not entangled in the below water portion of the net if there is a possibility that this is an issue.**

3. There is loon significant habitat located close to the proposed location. The Department does not anticipate that there will be many adverse effects provided that the proponent conducts mitigations to reduce loon entanglement. **The Department requires that the proponent report all diving bird entanglement/mortalities to the Department.**

4. There is a tendency for waste to be produced by these projects that ends up on the shore and this may have a negative impact on our terrestrial biodiversity and potentially the cleanliness of the park. **The Department recommends that the proponent take all measures necessary to ensure waste remains onsite and does not pollute the shoreline.**

Other Considerations:

There are multiple areas of bald eagle significant habitat surrounding the proposed expansion area. It is not expected that these areas will experience significant additional stress compared to the current operation assuming mitigation is put in place. The proponent has outlined a mitigation for eagle predation resulting in entanglement. Due to the increase in the size of this project, it is possible that further mitigation will be necessary. This project has the potential to artificially increase the presence of eagles to the area and increase competition between them due to an increase in anthropogenic food sources (waste fish etc.). These effects would be difficult to measure. Increased human presence in the area could have a negative impact on the nesting success of the eagles in the area. Lastly, increased human activity may increase human wildlife conflicts in the area.

The Department defers to federal and provincial fisheries for expertise on the potential effects on the marine ecosystem. Any negative effects on the marine ecosystem may carry over to terrestrial species.

According to the records on file at the Department of Lands and Forestry's Crown Land Information Management Centre, any land lying below the original ordinary high-water mark of Whycocomagh Bay, at the location provided, is considered ungranted Crown land with no encumbrances.

It should be noted that the scope of this research only includes information on file at this office relating to Nova Scotia Lands and Forestry ownership and anything affecting that interest.

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 10:24 AM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: Discussion regarding AQ 1430, 1431

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Hello Robert:
I am wondering if we can arrange a call to discuss the lease applications for AQ 1430, 1431. We'koqma'q has learned some things in the past year of working the experimental site (AQ 5010) and we'd like to apply that knowledge to the lease applications.

Please let me know if/when this would be possible.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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From: Ceschiutti, Robert [mailto:Robert.Ceschiutti@novascotia.ca]
Sent: Monday, July 13, 2020 12:02 PM
To: Melissa Rommens
Cc: Feehan, Jennifer; Winfield, Lynn; donald
Subject: RE: Discussion regarding AQ 1430, 1431

Hi Melissa, sounds good. I'll find out who else on our team would like to join the call, which will help determine when we can arrange the meeting. I should have a reply for you by tomorrow afternoon.

Regards,
Robert Ceschiutti
Manager, Licensing and Leasing
NS Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia

B0T 1W0
Phone: 902-875-7430
Cell: 902-874-0996
Robert.Ceschiutti@novascotia.ca

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 12:31 PM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Subject: RE: Discussion regarding AQ 1430, 1431

Thank you Robert.
Melissa

NOTE: Please refer to correspondence in Appendix B for the July 23, 2020 Meeting Invitation.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: September 9, 2020 12:07 PM
To: Aquaculture <Aquaculture@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: donald <donalddavis@waycobah.ca>
Subject: Changes to applications for AQ 1430 and 1431

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Please find attached a formal request for production plan changes to the applications for AQ 1430 and 1431. Please be sure to reach out with questions or concerns.

Kind regards,
Melissa



MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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NOTE: Please refer to the Application Package, Volume 2, Section 4.4 – Development Plan Revisions AQ#1430 and AQ#1431 (2020), for the attachment in this email.

From: Greenwood, Megan N
Sent: March 29, 2021 1:54 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1430 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1430 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in North Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo-Amended Pla

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by Network, and the Application Package, Volume 2, Section 4.4 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Greenwood, Megan N
Sent: March 29, 2021 3:52 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1431 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1431 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in South Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo Amended Plar

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by Network, and the Application Package, Volume 2, Section 4.4 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Feehan, Jennifer
Sent: March 29, 2021 4:27 PM
To: 'donald' <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: Network Comments AQ#1430 & 1431

Hi Donald and Melissa,

Please be advised that the amended development plans with revised production plans and cage configuration for AQ#1430 and AQ#1431 have been sent to Network for review.

I have attached a compilation of network comments received to date based on the original development plans. Network may have additional questions or comments pending review of the amended plans. You may begin preparing any required responses as per the comments to date, and we will be in touch when final comments or questions from Network have been submitted.

Please do not hesitate to reach out if you have any questions.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca


AQ#1430 Compilation of Netv


AQ#1431 Compilation of Netv

NOTE: Please refer to Appendix N for the Compilation of Network Comments for AQ#1430 and AQ#1431 up to March 29, 2021, attached in this email.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 30, 2021 9:47 AM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC)

<rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1430 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include to template form for comment.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 30, 2021 9:49 AM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1431 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include the template in the original email.

Megan Greenwood
Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429
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NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: March 30, 2021 4:08 PM
To: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

Hi Megan,

Thank you for requesting our comments. I took a quick look at the amendment. It looks like the foot print has changed. Is that true? If so I will ask the Parks Division and Land Services division to comment as well as the Regional services biologist.

Warm Regards,

Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: March 31, 2021 4:02 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

Hi Louise,

Thank you for your request for clarification on the amended development plans for AQ#1430 (and AQ#1431). Please note that the submerged crown land is not changing from the original applications submitted for these sites.

Let me know if you have any additional questions.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: March 31, 2021 4:05 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#1430 Network Memo-Amended Plan

Hi Jennifer,

Thanks for checking for me.

Warm Regards,

Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: April 21, 2021 2:22 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: Network Comments AQ#1430 & 1431

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Hello Jennifer:

Find attached responses to network comments you had received as of March 29, 2020 for AQ 1430 and AQ 1431.
Please let us know if a different kind of formatting for responses is preferred.
Just reach out with questions or concerns.
Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Response to Network Comments

Response to Network Comments

NOTE: Please refer to correspondence in Appendix B dated April 21, 2021, for the complete documents attached in this email. The proponent's responses specific to DNR are attached below for reference.

Response to network comments AQ # 1430 (North Aberdeen)

Network Comments, as received March 29, 2021

9. Nova Scotia Department of Lands and Forestry; Dec. 18, 2019:

The proponent has had recent issues with the storage of nets and fish food that are kept outside and in a building, close to the village. Bears have been attracted to the site and without intervention this will continue. This is a safety issue for both the proponent and the bears. The Department proposes the following conditions to alleviate this issue:

1. Storage of nets/fish food/wildlife attractants:

The proponent must ensure that all nets, fish food and other potential wildlife attractants which are stored on land are stored in a fashion that will not attract bears and other scavenging animals. The Department recommends that all waste be disposed of quickly and/or rendered non attractive for bears/ coyotes and eagles etc.

It is notable that We'koqma'q has acquired and repurposed the local former rink building to enable the indoor storage of feed, nets, and other bulky items that were previously stored outdoors or in temporary storage areas. This will deter scavenging animals. More details are described in the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

Furthermore, We'koqma'q no longer cleans fish containment nets themselves. Previously, the outdoor storage and cleaning of nets may have caused issues with respect to the organic debris from the nets. Nets are now sent to a third party contractor for cleaning in a timely fashion so that this organic debris is no longer a potential attractant to pests and a potential smell issue.

2. The proponent has not provided any mitigations for diving fish eating birds (cormorants, loons etc.). The Department recommends that mitigation measures be put in place to ensure species are not entangled in the below water portion of the net if there is a possibility that this is an issue.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

3. There is loon significant habitat located close to the proposed location. The Department does not anticipate that there will be many adverse effects provided that the proponent conducts mitigations to reduce loon entanglement. The Department requires that the proponent report all diving bird entanglement/mortalities to the Department.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan. Note that records of interactions with birds, mammals, or other animals that result in injury or death are kept. *Please indicate the appropriate contact for notification of diving bird entanglement/mortalities to so that we can add it to the Farm Management Plan.*

4. There is a tendency for waste to be produced by these projects that ends up on the shore and this may have a negative impact on our terrestrial biodiversity and potentially the cleanliness of the park. The Department recommends that the proponent take all measures necessary to ensure waste remains onsite and does not pollute the shoreline.

As extracted from the Farm Management Plan, retrieval of loose gear will be dealt with as follows:

Items will be retrieved as soon as the issue is identified and it is safe to do so. The company has its own vessels and staff capable of retrieving loose gear so that there should be little/no delay

between identifying the problem and its recovery, except due to safety issues, if applicable. Equipment to be kept for re-use will be moved to the rink for storage as soon as possible (at least within a week). Equipment that requires a longer lead time for disposal (e.g. sold as scrap, sold for another use, or requires special arrangements for delivery to an acceptable waste location) will be stored at the rink until disposal can be arranged.

As extracted from the Farm Management Plan, maintaining the site in good order will be accomplished as follows:

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Equipment to be kept for re-use will be moved to the rink for storage as soon as possible (at least within a week). Debris that is to be discarded with normal garbage will be disposed of accordingly, in a timely fashion. Equipment that requires a longer lead time for disposal (e.g. sold as scrap, sold for another use, or requires special arrangements for delivery to an acceptable waste location) will be stored at the rink until disposal can be arranged.

As extracted from the Farm Management Plan, accumulation of refuse and neglect of decommissioned farm supplies and equipment will be managed according to the following plan:

Decommissioned farm equipment and extra supplies are housed at the rink, an enclosed building, away from the farm. Some may be housed at indoor facilities owned by the farm.

A sweep of the wharf and farm area will be conducted weekly. Transfer of un-used farm equipment and supply stores too large to hold in the farm-side steel containers will be moved to the compound or to an indoor facility. This will be done during the weekly sweep or early the following week if transportation is not immediately available.

Operational waste will be collected and contained in sealed containers as it is generated. A weekly grounds inspection, complete with checklist will promote the timely collection and disposal of the waste.

Other Considerations:
There are multiple areas of bald eagle significant habitat surrounding the proposed expansion area. It is not expected that these areas will experience significant additional stress compared to the current operation assuming mitigation is put in place. The proponent has outlined a mitigation for eagle predation resulting in entanglement. Due to the increase in the size of this project, it is possible that further mitigation will be necessary. This project has the potential to artificially increase the presence of eagles to the area and increase competition between them

due to an increase in anthropogenic food sources (waste fish etc.). These effects would be difficult to measure. Increased human presence in the area could have a negative impact on the nesting success of the eagles in the area. Lastly, increased human activity may increase human wildlife conflicts in the area.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

The Department defers to federal and provincial fisheries for expertise on the potential effects on the marine ecosystem. Any negative effects on the marine ecosystem may carry over to terrestrial species.
According to the records on file at the Department of Lands and Forestry's Crown Land Information Management Centre, any land lying below the original ordinary high-water mark of Whycocomagh Bay, at the location provided, is considered ungranted Crown land with no encumbrances.
It should be noted that the scope of this research only includes information on file at this office.

Title	**Bird & Predator Deterrence Strategy**
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy

Interactions with birds and predators are to be avoided. Unwanted attention from birds and predators endangers the birds and predators themselves, can present a nuisance to workers, may stress the fish, and may pose biosecurity and fish health risks.

Deterrence is the best way to avoid such interactions. Bird and predator deterrence relies primarily on reducing the food available. The Pest Management Strategy describes feed, net, and grounds management which will help to reduce food for birds and predators. Deterrence of birds and other animals, as well as general activities to avoid interaction with animals must also be considered and are described in this document.

This Bird & Predator Deterrence Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Pest Management Strategy
Related MSDS: N/A

Bird Deterrence

- The use of bird nets over the cages removes the possibility of preying on fish.
- A bird net is placed over a floating bird stand located in the centre of the pen.
- Tie the bird stand with at least three ropes to centre it in the middle.
- Bird net mesh size has to be smaller than the smallest predator bird which is usually a sea gull, although in some instances kingfishers may be bothersome to smaller fish(<100g). The size of the mesh must be balanced with fish size since if too small a mesh is used it will be difficult to remove when fish get larger without gilling them.
- It is vital that the net is large enough to span the entire pen top.
- The bird net must be inspected and repaired, if necessary, before installation, and as required while in place.
- There can be no gaps or low spots in the bird cover as herons will take advantage at night by working in concert to get a meal by weighing down the cover to reach a meal.
- The cover must be made larger than the handrail to provide some overlap.

- The net should be “zinging” tight using the shackles on the stanchions and any extra rope required.

Marine Mammal Deterrence

- No below-water predator nets have been required in the Bras D’Or as there have been no recorded breaches of nets by seals in 40 years
- Removal of morts regularly prevents predators such as mammals and others (cod, eels, striped bass, etc.) from being attracted to and trying to chew through the net.

General Animal Interactions

- In order to further reduce the incidence of interaction with wildlife, boat travel to and from the cages to be worked will be via the most direct route possible, respecting any special requirements instituted for biosecurity concerns.
- Most importantly, approach of the shore or other wildlife habitat and wildlife itself will be avoided as much as feasible.
- A record of animal interactions is kept to help improve procedures. Any interactions that result in injury or mortality to wildlife must be reported.

Records

- Net Inventory Record
- Abell Pest Control Records
- Surface Inspection Checklist (cages)
- Grounds Inspection Checklist
- Bird Interaction Record
- Marine Mammal Interaction Record
- Wildlife Interaction Record

Title	Pest Management Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy

Pest management relies primarily on reducing the food and habitat available for pests. Keeping clean grounds and ensuring proper storage of materials are key factors. Rodents are the biggest pest problem for both stored food and nets. However, improper storage of feed or nets can also attract larger mammals such as raccoons and bears and others. Feed and net management and the biosecurity measures regarding mortality storage and disposal, explained elsewhere, will reduce attraction to pests. A contracted pest control company assists with these measures and ensures monitoring of the effectiveness of the measures.

This Pest Management Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Bird & Predator Deterrence Strategy
Related MSDS: N/A

Feed Management Measures

- The majority of the feed is stored at the rink which has a pest control contract with Abell pest control.
- The doors to this facility must be closed, unless activities require the doors to be open.
- Only feed fed during the same day is brought to the shore-based location.
- If an excess of feed happens to be delivered to the site, it must be stored in secure, steel transport containers. The doors to these containers must be closed at all times, unless loading or unloading is occurring.
- On the vessels, feed is covered to protect it from birds. It is not left on a vessel unless it will be fed within the day.
- Bags or open containers of feed are not left exposed or uncovered.
- Occasionally during unloading of feed, bags get broken. In these circumstances feed is picked up and placed in garbage containers which are placed inside the feed containers or in Dynaplast tubs until disposed of.
- Any feed that is unusable is removed from the site as soon as possible and disposed of at an approved waste management facility.
- Feed spills are cleaned up immediately. The pathway for feed delivery and passage is kept clear and free of obstacles to reduce spillage.

Net Management Measures

- Nets are also stored inside at the rink, unless activities (e.g. repair) require work to be done outside.

Site Management Measures

- Site inspection is scheduled for once a week to survey and pick up any garbage including fouling organisms and feed that were missed in daily clean-up activities. These inspections are used to reinforce the disposal of wastes in a timely manner.

Records

- Abell Pest Control Records
- Grounds Inspection Checklist

Response to network comments AQ # 1431 (South Aberdeen)

Network Comments, as received March 29, 2021

9. Nova Scotia Department of Lands and Forestry; Dec. 18, 2019

The proponent has had recent issues with the storage of nets and fish food that are kept outside and in a building, close to the village. Bears have been attracted to the site and without intervention this will continue. This is a safety issue for both the proponent and the bears. The Department proposes the following conditions to alleviate this issue:

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Furthermore, We'koqma'q no longer cleans fish containment nets themselves. Previously, the outdoor storage and cleaning of nets may have caused issues with respect to the organic debris from the nets. Nets are now sent to a third party contractor for cleaning in a timely fashion so that this organic debris is no longer a potential attractant to pests and a potential smell issue.

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See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

3. There is loon significant habitat located close to the proposed location. The Department does not anticipate that there will be many adverse effects provided that the proponent conducts mitigations to reduce loon entanglement. The Department requires that the proponent report all diving bird entanglement/mortalities to the Department.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan. Note that records of interactions with birds, mammals, or other animals that result in injury or death are kept. *Please indicate the appropriate contact for notification of diving bird entanglement/mortalities to so that we can add it to the Farm Management Plan.*

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Other Considerations:
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due to an increase in anthropogenic food sources (waste fish etc.). These effects would be difficult to measure. Increased human presence in the area could have a negative impact on the nesting success of the eagles in the area. Lastly, increased human activity may increase human wildlife conflicts in the area.

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Title	Bird & Predator Deterrence Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy

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This Bird & Predator Deterrent Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Pest Management Strategy
Related MSDS: N/A

Bird Deterrence

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- Most importantly, approach of the shore or other wildlife habitat and wildlife itself will be avoided as much as feasible.
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Title	Pest Management Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

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This Pest Management Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Bird & Predator Deterrence Strategy
Related MSDS: N/A

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- Nets are also stored inside at the rink, unless activities (e.g. repair) require work to be done outside.

Site Management Measures

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Records

- Abell Pest Control Records
- Grounds Inspection Checklist

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: May 28, 2021 10:30 AM
To: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Cc: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: Lands and Forestry comments on AQ 1430 and 1431

Hello Megan,

Please see the Lands and Forestry comments for AQ1430 and AQ 1431. Our comments include the Department's original comments sent to you in 2019 as well as comments on the current amendment in blue text.

FYI: Our biology reviewer would have found it helpful to receive a copy of the Wildlife Interaction Plan (discussed in Section 5.3 of the Application Package document) as part of the information she received to conduct her review. She has asked for this information as a condition of approval. Hopefully, the plan addresses the proposed mitigations and reporting regimes related to the biology issues that were raised in our comments. If this is done then we would have no concerns with the amendment.

Please let me know if you have questions.

Have a wonderful Friday!

Warm Regards,

Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530



LF Response #1430 #1431 v2.docx

NOTE: Network Agency Review Form completed below for AQ#1430 and AQ#1431 is dated "May 28, 2020" in error, and should read "May 28, 2021".

Network Agency Review of an Aquaculture Application

Agency	**Department of Lands and Forestry**
Division (if applicable)	**Policy Division on behalf of the Department Lands and Forestry**
Date	**May 28, 2020**
File No.	**AQ #1430 #1431**
Type of application	**Amended development plan**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☐ No concerns regarding the proposed development
☒ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☒ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

The Department has the following concerns:

The proposed changes to the project are primarily related to the site design and associated infrastructure (use of fewer, larger cages requiring changes to mooring system and cage configuration, etc.) and increased anticipated biomass yield. The Department's comments are similar to those provided for the 2019 submission. New comments appear in blue text:

1) The proponent has had recent issues with the storage of nets and fish food that are kept outside and in a building, close to the village. Wildlife, including black bears, have been attracted to the site and without intervention this will continue. This is a safety issue for both the proponent and the wildlife. The Department proposes the following to alleviate this issue:

<u>Storage of nets/fish food/wildlife attractants:</u>
The proponent must ensure that all nets, fish food and other potential wildlife attractants which are stored on land are stored in a fashion that will not attract bears and other

scavenging animals. **The Department recommends that all waste be disposed of quickly and/or rendered non attractive for bears, coyotes, eagles and other species.**

2) The proponent has not provided any mitigations for diving fish eating birds such as cormorants and loons. **The Department requires the proponent to provide information on its plan to ensure species are not entangled in the below water portion of the net if this is a possibility**.

3) There is loon significant habitat located close to the proposed location. The Department does not anticipate that there will be substantial adverse effects provided that the proponent conducts mitigations to reduce the risk of loon entanglement. **The Department requires that the proponent report all diving bird entanglement/mortalities to the Department.**

4) There is a tendency for waste to be produced by these projects to end up on the shore, and this may have a negative impact on our terrestrial biodiversity and potentially the cleanliness of the park. **The Department recommends that the proponent take all measures necessary to ensure waste remains onsite and does not pollute the shoreline. The Department also recommends that the proponent include a shoreline pollution/waste monitoring component into its environmental monitoring program.**

5) There are multiple areas of bald eagle significant habitat surrounding the proposed expansion area. It is not expected that these areas will experience significant additional stress compared to the current operation assuming mitigation is put in place. The proponent has outlined a mitigation for eagle predation resulting in entanglement. Due to the increase in the size and anticipated biomass yield of this project, it is possible that further mitigation will be necessary. This project has the potential to artificially increase the presence of eagles to the area and increase competition between them due to an increase in anthropogenic food sources (waste fish etc.). These effects would be difficult to measure. Increased human presence in the area could have a negative impact on the nesting success of the eagles in the area. Lastly, increased human activity may increase human wildlife conflicts in the area.

6) Studies have shown that pinnipeds (seals) may become nuisance animals to finfish aquaculture projects, damaging nets (which can result in fish releases) and potentially becoming entangled. As noted in the proposal, harbour seals and grey seals are present in Whycocomagh Bay. **The Department requests that the proponent comment on whether seal presence has been documented in the vicinity of the operation, and provide a mitigation strategy to prevent (and, if need be, respond to) pinniped nuisance issues.**

Finally, the Department requests that the proponent's Wildlife Interaction Plan, discussed in Section 5.3 of the Application Package document, be provided for review. This plan should address the proposed mitigations and reporting regime related to the issues identified here, including:

1. **Attraction of bears, eagles and other wildlife to the site, including associated on-land storage areas;**
2. **Use of bird nets on cages and the associated potential for entanglement of diving birds and other predators;**
3. **Ensuring appropriate waste control and monitoring of shoreline cleanliness in the vicinity of the site;**
4. **Prevention of and response to potential nuisance seal issues; and**
5. **Potential for human/wildlife conflicts associated with the increase in anthropogenic food sources.**

The Department defers to federal and provincial fisheries for expertise on the potential effects on the marine ecosystem. Any negative effects on the marine ecosystem may carry over to terrestrial species.

Recommended Conditions of Approval
The proponent must:

1. **Provide the Department with a copy of the Wildlife Interaction Plan (discussed in Section 5.3 of the Application Package document)**
2. **Not disturb, harass, or chase congregated birds (waterfowl, geese, cormorants etc.), at any time of year.**
3. **Not destroy or disturb the nest or eggs of any bird or to snare, net or trap any bird.**
4. **Remove any gear/equipment that is washed ashore/deposited on any Crown land at their expense.**
5. **Report all wildlife mortalities (entanglements etc.) to the Department of Lands and Forestry Regional Biologist and any other appropriate agency (if a marine mammal, Species at Risk etc.) within 5 business days.**

Other Considerations:
According to the records on file at the Department of Lands and Forestry's Crown Land Information Management Centre, any land lying below the original ordinary high-water mark, at the location provided, is considered ungranted Crown land with no encumbrances.

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: May 31, 2021 4:26 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: AQ#0814, 1430, 1431 Discussion

Hi Louise,

We would like to set up a call next week to discuss Lands and Forestry's network comments for AQ#0814, and the two new sites AQ#1430 and 1431.

It looks like we all have availability on June 8th. Would 11-12 or anytime between 2:30-4:30 work for you? Please let me know and I will send out a meeting request.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

L&F response AQ0814 Network Ag

LF Response #1430 #1431 v2.docx

NOTE: Please refer to correspondence above (see September 23, 2019 and May 28, 2021) for the attachments in this email.

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: May 31, 2021 4:42 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: AQ#0814, 1430, 1431 Discussion

Hi Jennifer,

I'm free on June 8th at either time so feel free to send me an appointment. Would you like to invite one of our reviewers as well? For instance if you have a question on biology comments I could ask the biologist to attend as well.

Its been a long time since we provided comments on #0814 so I my memory on that one may be a little rusty.

Warm Regards,

Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: May 31, 2021 4:55 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: AQ#0814, 1430, 1431 Discussion

Hi Louise,

I just sent the meeting request. Please feel free to forward it to your reviewers.

The main points we wanted to speak to you on are clarification on bald eagle monitoring, obtaining a copy of the proponent's Wildlife Interaction Plan, and to discuss the recommendation for shoreline pollution/waste monitoring and how it may fit into the Farm Management Plan rather than the environmental monitoring program.

Cheers,
Jennifer

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: May 31, 2021 4:59 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: AQ#0814, 1430, 1431 Discussion

Thanks Jennifer,

I'll contact our biology reviewers and see if they can attend.

Cheers,

Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

Feehan, Jennifer

Subject: AQ#0814, 1430, 1431 L&F Discussion
Location: Microsoft Teams Meeting

Start: Tue 2021-06-08 3:00 PM
End: Tue 2021-06-08 4:00 PM

Recurrence: (none)

Meeting Status: Meeting organizer

Organizer: Feehan, Jennifer
Required Attendees: Feehan, Jennifer; Boudreau, Louise O; Feindel, Nathaniel J; Greenwood, Megan N
Optional Attendees: Cameron-MacMillan, Maureen Louise; Moore, Harrison M

Meeting with NSDFA and L&F to discuss network comments.

Microsoft Teams meeting

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Join with a video conferencing device
20014895@t.plcm.vc
Video Conference ID: 115 418 157 2
Alternate VTC dialing instructions

Learn More | Help | Meeting options

Sent: June 22, 2021 4:06 PM
To: donald <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: AQ#0814 Compilation of Network Comments

Hi Donald and Melissa,

Please find attached the compilation of comments received from Network Agencies for AQ#0814. A compilation of DFO's requests for additional information to date is attached separately. Please note that DFO's final Letter of Advice and CSAS Report for this application are still pending.

In regard to Nova Scotia Department of Lands and Forestry's comments (see pages 39-41), we would like to set up a call to discuss and provide some clarification. To allow time for you to review the network comments and prepare any questions, would a call on **July 14th at 11 am** work for you?

Please let me know and I will follow up with a meeting request.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

1 - AQ#0814 Compilation of Netv

2 - AQ#0814 Compilation of DFO

NOTE: Please refer to Appendix N for the Compilation of Network Comments for AQ#0814x up to June 22, 2021, attached in this email.

From: Melissa Rommens <melissa@sustainaqua.ca>
Date: 2021-06-23 7:58 a.m. (GMT-04:00)
To: "'Feehan, Jennifer'" <Jennifer.Feehan@novascotia.ca>, 'donald' <donalddavis@waycobah.ca>
Cc: "'Greenwood, Megan N'" <Megan.Greenwood@novascotia.ca>, "'Feindel, Nathaniel J'" <Nathaniel.Feindel@novascotia.ca>, "'Ceschiutti, Robert'" <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

This time is good for me Jennifer.

Please await a reply from Donald before final scheduling.

Kind regards,

Melissa

From: donalddavis <donalddavis@waycobah.ca>
Sent: June 23, 2021 8:18 AM
To: Melissa Rommens <melissa@sustainaqua.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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That time is fine with me.....Regards Donald.

Sent from my Bell Samsung device over Canada's largest network.

NOTE: Please refer to correspondence in Appendix B for the July 14, 2021 Meeting Invitation.

From: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Sent: July 21, 2021 12:45 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: Urgent Update to Network Review request for AQ#5013
Importance: High

Hello Louise and Lori,
I'm following up on an e-mail originally sent by Megan Greenwood on June 29th regarding Network Review of the New Experimental Marine Licence and Lease application (File AQ#5013) submitted by We'koqma'q First Nation. Initially the due date was the standard 60 day response, however I have recently been made aware that this application is now flagged as urgent, and is our department's priority to have a decision on this application as soon as possible. Please note that the development plan for this Administrative application AQ#5013 is near identical to that of the Adjudicative application (AQ#1431) previously submitted by We'koqma'q First Nation for a New Marine Licence and Lease for the same area (which is still in review).

Please let me know as soon as possible, if you would like to use your previous responses for AQ#1431 (attached) as the response to this application (AQ#5013). If not, please expedite your Network Review response. I will plan to follow up on this request by Friday July 23rd

Regards,
Robert Ceschiutti
Manager, Licensing and Leasing
NS Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
Phone: 902-875-7430
Robert.Ceschiutti@novascotia.ca

From: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Sent: July 21, 2021 1:06 PM

To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: Urgent Update to Network Review request for AQ#5013
Importance: High

Hi Robert:

Thank you for the heads up on this. In order to streamline the process and clarify thing for our reviewers we need some additional information. Your e-mail indicated that #5013 is "nearly identical" to #1431, can you clarify what is different and what is the same. Mainly what is different. Based on that we can determine if the response to #1431 can be used for this application and if it can't the level of resources required in order to complete the review process and ultimately come close to meeting an accelerated timeline (with other work and vacations considered in the mix).

If there are any questions, please let me know.

Thanks
L

From: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Sent: July 21, 2021 4:06 PM
To: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: Urgent Update to Network Review request for AQ#5013

Hi Lori, thanks for your response,
In terms of what is the same:
The production plan in the experimental application is identical in the species, maximum cage density, size of cages and maximum number of fish per cage as the updated production plan from AQ#1431 which is available online: https://novascotia.ca/fish/aquaculture/public-information/public-notice/Application_Package_AQ0814_AQ1430_AQ1431_-_2021.03.22.pdf

What is different:
The Experimental Licence/Lease application contains more supplementary information such as Containment Management (Appendix A). There is also a separate appendix (B) specific to the Experimental Proposal.
In the Production Plan, there is a different expected time to achieve maximum production, and a different grow out period. There has been what I consider minor changes in the rest of the application in that the applicant is now using more current reference data, and has taken into account feedback from Network review of AQ#1431.

The main difference between the two applications is the purpose of the operation – the experimental application (5013) is to test a model for prediction of sulfide levels in Whycocomagh Bay. The purpose of the other application (1431) is to have a commercial operation.

Please let me know if you have any other questions.

Regards,
Robert Ceschiutti
Manager, Licensing and Leasing
NS Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
Phone: 902-875-7430
Robert.Ceschiutti@novascotia.ca

From: Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Sent: July 22, 2021 10:28 AM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: Additional Questions on the Urgent Update to Network Review request for AQ#5013
Importance: High

HI Robert

Just checking on the questions below. We've given a heads up to our Regional Services Branch that we will providing as much information as possible to enable them to determine if the previous response can be used.

Any timeline for the addition information?

Thanks
L

Thanks Robert this is helpful. I just have a couple of additional questions; how does the experimental application affect the project footprint. Is it the same size, bigger, smaller? Also what is meant by maximum production, is the overall site fish production going to be the same, more or less than the original application.

The new appendices will need to be reviewed by staff in order to determine if any new conditions may be required from the original #1431 and the continued relevance for conditions in our original response.

The more precision we can give to staff the quicker they will be able to determine if our original #1431 response can be maintain for this application.

Thanks for your patience on this.
L

Hi Lori, to my knowledge the footprint remains the same as that of AQ#1431. Maximum production would be the maximum amount of fish that can be grown on the site, and it remains the same as the updated development plan for AQ#1431 (the one available online).

Regards,
Robert Ceschiutti
Manager, Licensing and Leasing
NS Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
Phone: 902-875-7430
Robert.Ceschiutti@novascotia.ca

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: July 22, 2021 3:03 PM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>; Blackburn, Lori M

<Lori.Blackburn@novascotia.ca>; Buchan, Carla M <Carla.Buchan@novascotia.ca>
Subject: L&F response URGENT: Request for comments re. new AQ#5013

Hello Robert,

Thank you for the additional information on AQ #5013. We have forward this information to our reviewers for their consideration. After reviewing the information you provided and the feedback we have received from reviewers our department has decided to accept your recommendation to use our previous responses for AQ#1431 (attached) as the response to application AQ#5013.

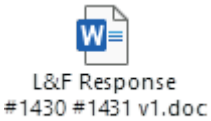
It is recommended that the proponent address our concerns in AQ #1430 1431 including providing the Department with a copy of the Wildlife Interaction Plan (discussed in Section 5.3 of the Application Package document). These recommendations also apply to AQ #5013

I hope this is helpful. If you have questions please let us know.

Warm Regards,

Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530


L&F Response
#1430 #1431 v1.doc

NOTE: Please refer to correspondence above (see May 28, 2021) for the attachment in this email.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 26, 2021 4:44 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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Hello Jennifer:
Find attached a response to the compiled network comments as referred to in the email below.

There are a few outstanding items noted:

- Confirm if anything is outstanding with TC.
- Determine contact information for the Coordinator of Special Places Program of NSCCH.

- Confirm if anything is required for NSECC.
- Determine intention of bald eagle monitoring requested by NSDLF.
- Confirm if additional information is required for DFO.

We are available to discuss the above as well as the submission at your convenience.

Thank-you for the opportunity to discuss and respond to the network concerns.

Kind regards,
Melissa.

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Network comment responses 0814x Jul

NOTE: Please refer to correspondence in Appendix B dated July 26, 2021, for the complete document attached in this email. The proponent's response specific to DNR are attached below for reference.

9. Nova Scotia Department of Lands and Forestry; July 2, 2019+

Responses were previously provided regarding location and trout strains as per July 4, 2019 letter from We'koqma'q.

Sept. 25, 2019 comments from NSDLF follow, along with We'koqma'q's replies.

The Department of Lands and Forestry is aware that the proponent has had recent issues with the storage of nets and fish food outside and in a building close to the village. Bears have been attracted to the site and without intervention this will continue. This is a safety issue for both the proponent and the bears.
The Department of Lands and Forestry recommends the following conditions to alleviate this and other issues:

1. Storage of nets/fish food/wildlife attractants:
The proponent must ensure that all nets, fish food and other potential wildlife attractants which are stored on land are stored in a fashion that will not attract bears and other scavenging animals. All waste should be disposed of quickly and/or rendered non attractive for bears/ coyotes eagles etc.

We'koqma'q has acquired and repurposed the local former rink building to enable the indoor storage of feed, nets, and other bulky items that were previously stored outdoors or in temporary storage areas. This will deter scavenging animals. More details are described in the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

Furthermore, We'koqma'q no longer cleans fish containment nets themselves. Previously, the outdoor storage and cleaning of nets may have caused issues with respect to the organic debris from the nets. Nets are now sent to a third-party contractor for cleaning in a timely fashion so that this organic debris is no longer a potential attractant to pests and a potential smell issue.

2. Mitigation measures to protect diving fish eating birds
There are currently no mitigation in place for diving fish eating birds (cormorants, loons etc.). The Department recommends that mitigation measures be put in place to ensure species are not entangled in the below water portion of the net if at all possible.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

3. Monitoring impacts to the bald eagle:
There are multiple areas of bald eagle significant habitat surrounding the proposed expansion area. The proponent has outlined mitigation for eagle predation resulting in entanglement. It is not expected that these areas will experience significant additional stress compared to current operation assuming mitigation is put in place. However, it is difficult to predict if the situation could change.
The Department recommends that the proponent monitor the bald eagle population and make additional mitigations when necessary. This is required because of:

- The increase in the size of the operation
- This project has the potential to artificially increase the presence of eagles to the area and increase competition between them due to an increase in anthropogenic food sources (waste fish etc.). These effects would be difficult to measure.

- Increased human presence in the area could have a negative impact on the nesting success of the eagles in the area.
- Lastly, increased human activity may increase human wildlife conflicts in the area.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan. Note that records of interactions with birds, mammals, or other animals that result in injury or death are kept. Please indicate recommended procedures for monitoring the bald eagle population.

4. Mitigations to protect the shoreline from waste pollution:
There is a tendency for waste to be produced by these projects that ends up on the shore. This may have a negative impact on terrestrial biodiversity and potentially the cleanliness of the park. The Department recommends that measures be undertaken to ensure waste remains onsite and does not pollute the shoreline.

As extracted from the Farm Management Plan, retrieval of loose gear will be dealt with as follows:

Items will be retrieved as soon as the issue is identified and it is safe to do so. The company has its own vessels and staff capable of retrieving loose gear so that there should be little/no delay between identifying the problem and its recovery, except due to safety issues, if applicable. Equipment to be kept for re-use will be moved to the rink for storage as soon as possible (at least within a week). Equipment that requires a longer lead time for disposal (e.g. sold as scrap, sold for another use, or requires special arrangements for delivery to an acceptable waste location) will be stored at the rink until disposal can be arranged.

As extracted from the Farm Management Plan, maintaining the site in good order will be accomplished as follows:

A sweep of the wharf and farm area will be conducted weekly. In addition, weekly surface inspections will occur and be documented for cage infrastructure. Maintenance issues will be identified at these times. Small tasks will be completed within a week or asap if containment or fish welfare may be at risk from the identified issues. Larger issues will be brought to management's attention to allow a plan for remediation. Most issues will be resolved within a month, budget permitting. Significant issues may require a longer time since financial resources will have to be found. If these situations arise, the farm will institute temporary remediation within a month. This remediation will return the site to a suitable appearance.

Equipment to be kept for re-use will be moved to the rink for storage as soon as possible (at least within a week). Debris that is to be discarded with normal garbage will be disposed of accordingly, in a timely fashion. Equipment that requires a longer lead time for disposal (e.g. sold as scrap, sold for another use, or requires special arrangements for delivery to an acceptable waste location) will be stored at the rink until disposal can be arranged.

As extracted from the Farm Management Plan, accumulation of refuse and neglect of decommissioned farm supplies and equipment will be managed according to the following plan:

Decommissioned farm equipment and extra supplies are housed at the rink, an enclosed building, away from the farm. Some may be housed at indoor facilities owned by the farm.

A sweep of the wharf and farm area will be conducted weekly. Transfer of un-used farm equipment and supply stores too large to hold in the farm-side steel containers will be moved to the compound or to an indoor facility. This will be done during the weekly sweep or early the following week if transportation is not immediately available.

Operational waste will be collected and contained in sealed containers as it is generated. A weekly grounds inspection, complete with checklist will promote the timely collection and disposal of the waste.

Other Considerations:
There is wood turtle significant habitat near the area. This project should not have a negative impact on this habitat feature nor the individual turtles.
No reply required. *The significant habitat is noted.*

The Department defers to federal and provincial fisheries for expertise on the effects on the marine ecosystem. Any negative effects on the marine ecosystem may carry over to terrestrial species.
No reply required.

Title	Bird & Predator Deterrence Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy

Interactions with birds and predators are to be avoided. Unwanted attention from birds and predators endangers the birds and predators themselves, can present a nuisance to workers, may stress the fish, and may pose biosecurity and fish health risks.

Deterrence is the best way to avoid such interactions. Bird and predator deterrence relies primarily on reducing the food available. The Pest Management Strategy describes feed, net, and grounds management which will help to reduce food for birds and predators. Deterrence of birds and other animals, as well as general activities to avoid interaction with animals must also be considered and are described in this document.

This Bird & Predator Deterrence Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Pest Management Strategy
Related MSDS: N/A

Bird Deterrence

- The use of bird nets over the cages removes the possibility of preying on fish.
- A bird net is placed over a floating bird stand located in the centre of the pen.
- Tie the bird stand with at least three ropes to centre it in the middle.
- Bird net mesh size has to be smaller than the smallest predator bird which is usually a sea gull, although in some instances kingfishers may be bothersome to smaller fish(<100g). The size of the mesh must be balanced with fish size since if too small a mesh is used it will be difficult to remove when fish get larger without gilling them.
- It is vital that the net is large enough to span the entire pen top.
- The bird net must be inspected and repaired, if necessary, before installation, and as required while in place.
- There can be no gaps or low spots in the bird cover as herons will take advantage at night by working in concert to get a meal by weighing down the cover to reach a meal.

- The cover must be made larger than the handrail to provide some overlap.
- The net should be “zinging” tight using the shackles on the stanchions and any extra rope required.

Marine Mammal Deterrence

- No below-water predator nets have been required in the Bras D’Or as there have been no recorded breaches of nets by seals in 40 years
- Removal of morts regularly prevents predators such as mammals and others (cod, eels, striped bass, etc.) from being attracted to and trying to chew through the net.

General Animal Interactions

- In order to further reduce the incidence of interaction with wildlife, boat travel to and from the cages to be worked will be via the most direct route possible, respecting any special requirements instituted for biosecurity concerns.
- Most importantly, approach of the shore or other wildlife habitat and wildlife itself will be avoided as much as feasible.
- A record of animal interactions is kept to help improve procedures. Any interactions that result in injury or mortality to wildlife must be reported.

Records

- Net Inventory Record
- Abell Pest Control Records
- Surface Inspection Checklist (cages)
- Grounds Inspection Checklist
- Bird Interaction Record
- Marine Mammal Interaction Record
- Wildlife Interaction Record

Title	Pest Management Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy

Pest management relies primarily on reducing the food and habitat available for pests. Keeping clean grounds and ensuring proper storage of materials are key factors. Rodents are the biggest pest problem for both stored food and nets. However, improper storage of feed or nets can also attract larger mammals such as raccoons and bears and others. Feed and net management and the biosecurity measures regarding mortality storage and disposal, explained elsewhere, will reduce attraction to pests. A contracted pest control company assists with these measures and ensures monitoring of the effectiveness of the measures.

This Pest Management Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Bird & Predator Deterrence Strategy
Related MSDS: N/A

Feed Management Measures

- The majority of the feed is stored at the rink which has a pest control contract with Abell pest control.
- The doors to this facility must be closed, unless activities require the doors to be open.
- Only feed fed during the same day is brought to the shore-based location.
- If an excess of feed happens to be delivered to the site, it must be stored in secure, steel transport containers. The doors to these containers must be closed at all times, unless loading or unloading is occurring.
- On the vessels, feed is covered to protect it from birds. It is not left on a vessel unless it will be fed within the day.
- Bags or open containers of feed are not left exposed or uncovered.
- Occasionally during unloading of feed, bags get broken. In these circumstances feed is picked up and placed in garbage containers which are placed inside the feed containers or in Dynaplast tubs until disposed of.
- Any feed that is unusable is removed from the site as soon as possible and disposed of at an approved waste management facility.
- Feed spills are cleaned up immediately. The pathway for feed delivery and passage is kept clear and free of obstacles to reduce spillage.

Net Management Measures

- Nets are also stored inside at the rink, unless activities (e.g. repair) require work to be done outside.

Site Management Measures

- Site inspection is scheduled for once a week to survey and pick up any garbage including fouling organisms and feed that were missed in daily clean-up activities. These inspections are used to reinforce the disposal of wastes in a timely manner.

Records

- Abell Pest Control Records
- Grounds Inspection Checklist

From: Feehan, Jennifer
Sent: August 5, 2021 4:46 PM
To: Melissa Rommens <melissa@sustainaqua.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

Hi Melissa,

Thank you for your submission of the response to network comments for AQ#0814. I am in the process of reviewing your responses and will get them sent out to the appropriate network agencies as soon as possible.

Regarding the outstanding items outlined in your email:

- TC has confirmed that they have the application and do not require you to reapply through the online portal.
- NSCCH has been contacted and we are waiting for a response. The general contact information for the Department is cch@novascotia.ca and (902) 424-2170, but I will see I can get you a direct contact.
- NSE has confirmed that they have not received comment from the compliance team and agreed that NSDFA will request comment directly from the Compliance and Enforcement Division for the compliance report, which is the regular process for receiving comment from the compliance team.
- I will follow up with NSDLF on the bald eagle monitoring when I send your response.
- I will confirm with DFO that no additional information is required when I send your response.

I will be in touch with any additional updates.

Kind regards,
Jennifer

From: Feehan, Jennifer
Sent: August 6, 2021 2:33 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>; Mahoney, Meagan <Meagan.Mahoney@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: RE: L&F response URGENT: Request for comments re. new AQ#5013

Hi Louise,

Lands and Forestry's comments (attached for reference) regarding experimental aquaculture application AQ#5013 in South Aberdeen, Whycocomagh Bay were shared with the proponent. The proponent has provided a response to the Department's concerns as well as excerpts from their Farm Management Plan (Appendices A and B) as requested.

Please find the response and appendices attached and advise if they address the concerns or if there are any additional comments on this application. Also note that the proponent has requested the appropriate contact at Lands and Forestry for notification of diving bird entanglement or mortalities to add to their Farm Management Plan.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture

1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca



NOTE: Please refer to correspondence above (see July 22, 2021) for the attachment in this email.

Response to network comments AQ # 5013 (South Aberdeen)

Responses to network comments, as received July 29, 2021

8. Nova Scotia Department of Lands and Forestry; July 23, 2021

Comments from AQ 1430 & 1431 (May 28, 2020) apply:

1) The proponent has had recent issues with the storage of nets and fish food that are kept outside and in a building, close to the village. Wildlife, including black bears, have been attracted to the site and without intervention this will continue. This is a safety issue for both the proponent and the wildlife. The Department proposes the following to alleviate this issue:

Storage of nets/fish food/wildlife attractants:
The proponent must ensure that all nets, fish food and other potential wildlife attractants which are stored on land are stored in a fashion that will not attract bears and other scavenging animals. **The Department recommends that all waste be disposed of quickly and/or rendered non attractive for bears/ coyotes and eagles etc.**

It is notable that We'koqma'q has acquired and repurposed the local former rink building to enable the indoor storage of feed, nets, and other bulky items that were previously stored outdoors or in temporary storage areas. Repairs have occurred to the building to ensure it can be closed to the outdoors and a pest control agency has been hired to manage and monitor animal entry. This will deter scavenging animals. More details are described in the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

Furthermore, We'koqma'q no longer cleans fish containment nets themselves. Previously, the outdoor storage and cleaning of nets may have caused issues with respect to the organic debris from the nets. Nets are now sent to a third party contractor for cleaning in a timely fashion so that this organic debris is no longer a potential attractant to pests and a potential smell issue.

2) The proponent has not provided any mitigations for diving fish eating birds such as cormorants and loons. **The Department requires the proponent to provide information on its plan to ensure species are not entangled in the below water portion of the net if this is a possibility.**

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

3) There is loon significant habitat located close to the proposed location. The Department does not anticipate that there will be substantial adverse effects provided that the proponent conducts mitigations to reduce the risk of loon entanglement. **The Department requires that the proponent report all diving bird entanglement/mortalities to the Department.**

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan. Note that records of interactions with birds, mammals, or other animals that result in injury or death are kept. *Please indicate the appropriate contact for notification of diving bird entanglement/mortalities to so that we can add it to the Farm Management Plan.*

4) There is a tendency for waste to be produced by these projects that ends up on the shore, and this may have a negative impact on our terrestrial biodiversity and potentially the cleanliness of the park. **The Department recommends that the proponent take all measures necessary to ensure waste remains onsite and does not pollute the shoreline. The Department also recommends that the proponent include a shoreline**

pollution/waste monitoring component into its environmental monitoring program.

As extracted from the Farm Management Plan, retrieval of loose gear will be dealt with as follows:

Items will be retrieved as soon as the issue is identified and it is safe to do so. The company has its own vessels and staff capable of retrieving loose gear so that there should be little/no delay between identifying the problem and its recovery, except due to safety issues, if applicable. Equipment to be kept for re-use will be moved to the rink for storage as soon as possible (at least within a week). Equipment that requires a longer lead time for disposal (e.g. sold as scrap, sold for another use, or requires special arrangements for delivery to an acceptable waste location) will be stored at the rink until disposal can be arranged.

As extracted from the Farm Management Plan, maintaining the site in good order will be accomplished as follows:

A sweep of the wharf and farm area will be conducted weekly. In addition, weekly surface inspections will occur and be documented for cage infrastructure. Maintenance issues will be identified at these times. Small tasks will be completed within a week or asap if containment or fish welfare may be at risk from the identified issues. Larger issues will be brought to management's attention to allow a plan for remediation. Most issues will be resolved within a month, budget permitting. Significant issues may require a longer time since financial resources will have to be found. If these situations arise, the farm will institute temporary remediation within a month. This remediation will return the site to a suitable appearance.

Equipment to be kept for re-use will be moved to the rink for storage as soon as possible (at least within a week). Debris that is to be discarded with normal garbage will be disposed of accordingly, in a timely fashion. Equipment that requires a longer lead time for disposal (e.g. sold as scrap, sold for another use, or requires special arrangements for delivery to an acceptable waste location) will be stored at the rink until disposal can be arranged.

As extracted from the Farm Management Plan, accumulation of refuse and neglect of decommissioned farm supplies and equipment will be managed according to the following plan:

Decommissioned farm equipment and extra supplies are housed at the rink, an enclosed building, away from the farm. Some may be housed at indoor facilities owned by the farm.

A sweep of the wharf and farm area will be conducted weekly. Transfer of un-used farm equipment and supply stores too large to hold in the farm-side steel containers will be moved to the compound or to an indoor facility. This will be done during the weekly sweep or early the following week if transportation is not immediately available.

Operational waste will be collected and contained in sealed containers as it is generated. A weekly grounds inspection, complete with checklist will promote the timely collection and disposal of the waste.

5) There are multiple areas of bald eagle significant habitat surrounding the proposed expansion area. It is not expected that these areas will experience significant additional stress compared to the current operation assuming mitigation is put in place. The proponent has outlined a mitigation for eagle predation resulting in entanglement. Due to the increase in the size and anticipated biomass yield of this project, it is possible that further mitigation will be necessary. This project has the potential to artificially increase the presence of eagles to the area and increase competition between them due to an increase in anthropogenic food sources (waste fish etc.). These effects would be difficult to measure. Increased human presence in the area could have a negative impact on the nesting success of the eagles in the area. Lastly, increased human activity may increase human wildlife conflicts in the area.

See the Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A. These have been extracted from the Farm Management Plan.

6) Studies have shown that pinnipeds (seals) may become nuisance animals to finfish aquaculture projects, damaging nets (which can result in fish releases) and potentially becoming entangled. As noted in the proposal, harbour seals and grey seals are present in Whycocomagh Bay. **The Department requests that the proponent comment on whether seal presence has been documented in the vicinity of the operation, and provide a mitigation strategy to prevent (and, if need be, respond to) pinniped nuisance issues.**

Seals are sometimes seen in the area but they tend to be passing through and do not stay around the area. If seal presence becomes a concern, predator netting will be used on the exterior of the cages to ensure that the seals cannot breach the containment nets. This predator netting will also reduce the chance of seal entanglement. Attractiveness of the sea cages to seals will be reduced by regularly removing dead fish from the sea cages.

Finally, the Department requests that the proponent's Wildlife Interaction Plan, discussed in Section 5.3 of the Application Package document, be provided for review. This plan should address the proposed mitigations and reporting regime related to the issues identified here, including:
- **Attraction of bears, eagles and other wildlife to the site, including associated onland storage areas;**
- **Use of bird nets on cages and the associated potential for entanglement of diving birds and other predators;**
- **Ensuring appropriate waste control and monitoring of shoreline cleanliness in the vicinity of the site;**
- **Prevention of and response to potential nuisance seal issues; and**
- **Potential for human/wildlife conflicts associated with the increase in anthropogenic food sources**.

Excerpts from the Farm management Plan that form parts of the Wildlife Interaction Plan include the following:

- Bird & Predator Deterrence Strategy as well as the Pest Management Strategy attached as Appendix A in response to previous comments.
- Bird net section of the FMP, provided as Appendix B.

Other aspects concerning material storage and waste control have been described in response to previous comments.

The Department defers to federal and provincial fisheries for expertise on the potential effects on the marine ecosystem. Any negative effects on the marine ecosystem may carry over to terrestrial species.

Response to network comments AQ # 5013 (South Aberdeen)

Responses to network comments, as received July 29, 2021

Recommended Conditions of Approval The proponent must:
1. Not disturb, harass, or chase congregated birds (waterfowl, geese, cormorants etc.), at any time of year.
2. Not destroy or disturb the nest or eggs of any bird or to snare, net or trap any bird.
3. Remove any gear/equipment that is washed ashore/deposited on any Crown land at their expense.
4. Report all wildlife mortalities (entanglements etc.) to the Department of Lands and Forestry Regional Biologist and any other appropriate agency (if a marine mammal, Species at Risk etc.) within 5 business days.

See previous responses.

Other Considerations:
According to the records on file at the Department of Lands and Forestry's Crown Land Information Management Centre, any land lying below the original ordinary high-water mark of Whycocomagh Bay, at the location provided, is considered ungranted Crown land with no encumbrances.

It should be noted that the scope of this research only includes information on file at this office.

Title	Bird & Predator Deterrence Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy
Interactions with birds and predators are to be avoided. Unwanted attention from birds and predators endangers the birds and predators themselves, can present a nuisance to workers, may stress the fish, and may pose biosecurity and fish health risks.

Deterrence is the best way to avoid such interactions. Bird and predator deterrence relies primarily on reducing the food available. The Pest Management Strategy describes feed, net, and grounds management which will help to reduce food for birds and predators. Deterrence of birds and other animals, as well as general activities to avoid interaction with animals must also be considered and are described in this document.

This Bird & Predator Deterrent Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Pest Management Strategy
Related MSDS: N/A

Bird Deterrence

- The use of bird nets over the cages removes the possibility of preying on fish.
- A bird net is placed over a floating bird stand located in the centre of the pen.
- Tie the bird stand with at least three ropes to centre it in the middle.
- Bird net mesh size has to be smaller than the smallest predator bird which is usually a sea gull, although in some instances kingfishers may be bothersome to smaller fish(<100g). The size of the mesh must be balanced with fish size since if too small a mesh is used it will be difficult to remove when fish get larger without gilling them.
- It is vital that the net is large enough to span the entire pen top.
- The bird net must be inspected and repaired, if necessary, before installation, and as required while in place.

- There can be no gaps or low spots in the bird cover as herons will take advantage at night by working in concert to get a meal by weighing down the cover to reach a meal.
- The cover must be made larger than the handrail to provide some overlap.
- The net should be “zinging” tight using the shackles on the stanchions and any extra rope required.

Marine Mammal Deterrence

- No below-water predator nets have been required in the Bras D’Or as there have been no recorded breaches of nets by seals in 40 years
- Removal of morts regularly prevents predators such as mammals and others (cod, eels, striped bass, etc.) from being attracted to and trying to chew through the net.

General Animal Interactions

- In order to further reduce the incidence of interaction with wildlife, boat travel to and from the cages to be worked will be via the most direct route possible, respecting any special requirements instituted for biosecurity concerns.
- Most importantly, approach of the shore or other wildlife habitat and wildlife itself will be avoided as much as feasible.
- A record of animal interactions is kept to help improve procedures. Any interactions that result in injury or mortality to wildlife must be reported.

Records

- Net Inventory Record
- Abell Pest Control Records
- Surface Inspection Checklist (cages)
- Grounds Inspection Checklist
- Bird Interaction Record
- Marine Mammal Interaction Record
- Wildlife Interaction Record

Title	Pest Management Strategy
SOP number	*N/A - Strategy*
Created by	Waycobah First Nation
Date created	November 15, 2018
Date revised	September 12, 2019, April 12, 2021

Strategy

Pest management relies primarily on reducing the food and habitat available for pests. Keeping clean grounds and ensuring proper storage of materials are key factors. Rodents are the biggest pest problem for both stored food and nets. However, improper storage of feed or nets can also attract larger mammals such as raccoons and bears and others. Feed and net management and the biosecurity measures regarding mortality storage and disposal, explained elsewhere, will reduce attraction to pests. A contracted pest control company assists with these measures and ensures monitoring of the effectiveness of the measures.

This Pest Management Strategy forms part of the Wildlife Interaction Plan.

Required Documents

Related SOPs: Routine Mortality Collection and Disposal SOP; Mass Mortality Collection and Disposal SOP, Harvesting SOP, Bird & Predator Deterrence Strategy
Related MSDS: N/A

Feed Management Measures

- The majority of the feed is stored at the rink which has a pest control contract with Abell pest control.
- The doors to this facility must be closed, unless activities require the doors to be open.
- Only feed fed during the same day is brought to the shore-based location.
- If an excess of feed happens to be delivered to the site, it may be stored in secure, steel transport containers. The doors to these containers must be closed at all times, unless loading or unloading is occurring.
- On the vessels, feed is covered to protect it from birds. It is not left on a vessel unless it will be fed within the day.
- Bags or open containers of feed are not left exposed or uncovered.
  Occasionally during unloading of feed, bags get broken. In these circumstances feed is picked up and placed in garbage containers which are placed inside the feed containers or in Dynaplast tubs until disposed of.
- Any feed that is unusable is removed from the site as soon as possible and disposed of at an approved waste management facility.
- Feed spills are cleaned up immediately. The pathway for feed delivery and passage is kept clear and free of obstacles to reduce spillage.

Net Management Measures

- Nets are also stored inside at the rink, unless activities (e.g. repair) require work to be done outside.

Site Management Measures

- Site inspection is scheduled for once a week to survey and pick up any garbage including fouling organisms and feed that were missed in daily clean-up activities. These inspections are used to reinforce the disposal of wastes in a timely manner.

Records

- Abell Pest Control Records
- Grounds Inspection Checklist

Other excerpts from main body of FMP:

Regarding use of bird nets:

6.3 Equipment Maintenance

6.3.3 Bird nets

Bird nets must be inspected regularly for holes, areas of weakness or damage. Their condition should be observed daily. Bird nets will be formally inspected weekly according to the weekly above water inspection schedule described in 6.4.1.

Issues with bird nets will be repaired and records will be kept regarding location of repair, date damage observed, date of repair, and the person who performed the repair. The reason for the issue will be determined and fixed as soon as possible (e.g. chafing, other).
**(Records kept include: Weekly Surface Inspection Checklist, Net Maintenance Record)*

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: August 17, 2021 1:59 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: RE: L&F response URGENT: Request for comments re. new AQ#5013

Hi Louise,

I am following up as a reminder that your review of the Applicant's response (see attached) to Lands and Forestry's comments for the new experimental application AQ#5013 is outstanding.

If your Department could please provide feedback by **August 20, 2021**, that would be greatly appreciated.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca



NOTE: Please refer to correspondence above (see August 6, 2021) for the attachment in this email.

From: O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Sent: August 17, 2021 4:23 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>; Mahoney, Meagan <Meagan.Mahoney@novascotia.ca>
Subject: RE: L&F response URGENT: Request for comments re. new AQ#5013

Hi Jennifer, Thanks for this reminder. Our reviewers are reviewing. We will provide a response as soon as possible.

Thanks,
Lesley

Lesley O'Brien-Latham
Lesley.Obrien-Latham@novascotia.ca
cell: 902-221-1590

From: Feehan, Jennifer
Sent: August 18, 2021 8:39 AM
To: O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>; Mahoney, Meagan <Meagan.Mahoney@novascotia.ca>
Subject: RE: L&F response URGENT: Request for comments re. new AQ#5013

Thank you, Lesley. Please do not hesitate to reach out if there are any questions.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Sent: August 18, 2021 4:01 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>; Mahoney, Meagan <Meagan.Mahoney@novascotia.ca>; Cameron-MacMillan, Maureen Louise <Maureen.Cameron-MacMillan@novascotia.ca>; Wadden, Jeffrey A <Jeffrey.Wadden@novascotia.ca>
Subject: RE: L&F response URGENT: Request for comments re. new AQ#5013

Jennifer,

Our expert, Maureen Cameron-MacMillan (cc'ed) appreciated the opportunity to review the Applicant's response to our comments for application AQ#5013, and has confirmed that she is satisfied with the information provided in the responses and the Appendices (excerpts from their Farm Management Plan). No further questions at this time.

Maureen also offered to be the point of contact for the Applicant for for notification of predator entanglements or mortalities. Maureen's details are below:

Maureen Cameron-MacMillan
Regional Biologist
NS Lands and Forestry
2 Campbell Street
Baddeck, NS
B0E 1B0
Phone: 902-295-2554
Fax: 902-295-2675
Email: maureen.cameron-macmillan@novascotia.ca

Thank you,
Lesley

Lesley O'Brien-Latham
Lesley.Obrien-Latham@novascotia.ca
cell: 902-221-1590

From: Feehan, Jennifer
Sent: August 31, 2021 4:16 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Hi Louise,

This is a follow up to **AQ#0814** boundary amendment application in Whycocomagh Bay.

Your network feedback from September 2019 was shared with the applicant. The applicant prepared a response to Lands and Forestry's comments which is attached for your review. Note in response #3, the applicant has requested recommended procedures for monitoring the bald eagle population.

Please respond by **September 30, 2021** with any additional feedback and/or final comments.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca



2021.07.26-Applicant response to Network-

NOTE: Please refer to correspondence above (see July 26, 2021) for the attachment in this email.

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: September 21, 2021 3:46 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Cameron-MacMillan, Maureen Louise <Maureen.Cameron-MacMillan@novascotia.ca>; Wadden, Jeffrey A <Jeffrey.Wadden@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Hello Jennifer,

Our departmental biologist has responded to your request below to review the applicant's response to our 2019 comments concerning AQ 0814. She is satisfied with the information provided. For comment #3, monitoring impacts to the Bald Eagle, she offers the following recommendations:

1) Please provide to the Department on an annual basis any records of interactions with Bald Eagles resulting in injury or mortality.
2) Document the number of eagles observed during the weekly gear inspections and provide an annual record to the Department showing weekly eagle numbers, for a minimum of 3 years of operation. We suggest that the *Surface Inspection Checklist (cages)* be modified to include a space to record:
    a. Number of eagles seen on site infrastructure, and
    b. total number of eagles observed in the area.

Note that the weekly eagle count is not intended to be a rigorous survey, it's simply a record of the number of individuals seen on and around the cages by site workers (no binoculars needed).

Our biologist Maureen, Louise Cameron-MacMillan would be pleased to provide further clarification if needed. She can be contacted at: Email: maureen.cameron-macmillan@novascotia.ca

I hope this is helpful,

Warm Regards,

Louise
Policy Analyst
Department of Natural Resources and Renewables
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: September 28, 2021 11:08 AM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Cameron-MacMillan, Maureen Louise <Maureen.Cameron-MacMillan@novascotia.ca>; Wadden, Jeffrey A <Jeffrey.Wadden@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Hi Louise,

Thank you to your team for reviewing the applicant's response and providing final comment as well as contact information. This information will be shared with the applicant.

Kinds regards,
Jennifer

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: September 28, 2021 11:25 AM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Thanks for letting me know Jennifer.

Have a great day!

Louise

Louise Boudreau
Policy Analyst
Department of Natural Resources and Renewables
1701 Hollis St, 3rd Floor,
Halifax, NS, B3J 2T9
(902) 424-3530

From: Feehan, Jennifer
Sent: September 28, 2021 11:16 AM
To: donald <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

Hi Donald and Melissa,

We have received final comment from Nova Scotia Department of Lands and Forestry on AQ#0814.

The response from Lands and Forestry is as follows:

"Our departmental biologist has responded to your request below to review the applicant's response to our 2019 comments concerning AQ 0814. She is satisfied with the information provided. For comment #3, monitoring impacts to the Bald Eagle, she offers the following recommendations:

1) Please provide to the Department on an annual basis any records of interactions with Bald Eagles resulting in injury or mortality.
2) Document the number of eagles observed during the weekly gear inspections and provide an annual record to the Department showing weekly eagle numbers, for a minimum of 3 years of operation. We suggest that the *Surface Inspection Checklist (cages)* be modified to include a space to record:
    a. Number of eagles seen on site infrastructure, and
    b. total number of eagles observed in the area.

Note that the weekly eagle count is not intended to be a rigorous survey, it's simply a record of the number of individuals seen on and around the cages by site workers (no binoculars needed).

Our biologist Maureen, Louise Cameron-MacMillan would be pleased to provide further clarification if needed. She can be contacted at: Email: maureen.cameron-macmillan@novascotia.ca "

Please do not hesitate to reach out if you have any questions.

Kinds regards,
Jennifer

From: Feehan, Jennifer
Sent: October 6, 2021 4:25 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Hi Louise,

I am following up on AQ#0814 again.

ECCC's Canadian Wildlife Service is interested in reviewing similar information that the applicant provided in their response to your department (see attached). I wanted to check with you if it is okay if we provide this document to CWS for review.

Kind regards,
Jennifer

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: October 14, 2021 4:25 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Hi Louise,

Just following up on my email below. Please let me know if you have any questions.

Thanks,
Jennifer

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: October 14, 2021 4:39 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Hi Jennifer,

Sorry for the delay in getting back to you. I think its ok to share our comments but I want to check with my director first.

I'll get back to you soon!

Louise

Louise Boudreau
Policy Analyst
Department of Natural Resources and Renewables
1701 Hollis St, 3rd Floor,
Halifax, NS, B3J 2T9
(902) 424-3530

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: October 14, 2021 4:40 PM

To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Hi Louise,

No problem, thank you for the update.

Cheers,
Jennifer

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: October 14, 2021 4:41 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Thanks for your understanding!

Louise

Louise Boudreau
Policy Analyst
Department of Natural Resources and Renewables
1701 Hollis St, 3rd Floor,
Halifax, NS, B3J 2T9
(902) 424-3530

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: October 25, 2021 12:45 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Hi Louise,

I recognize you are seeking confirmation on whether the attached information can be shared with ECCC's CWS for AQ#0814 as discussed below.

I wanted to offer some clarification that may help inform this decision, by reminding you that all network comments and responses from the proponent will be made public in the end through the Aquaculture Review Board process. An example of this can be found on the ARB's website under "Report on Outcomes of Consultation": https://arb.novascotia.ca/hearings/application-kelly-cove-salmon-ltd-boundary-amendment-marine-finfish-licence-and-lease.

Please do not hesitate to reach out to me or Nathaniel if you have any questions.

Many thanks,
Jennifer

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: October 25, 2021 1:19 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Hi Jennifer,

You have a green light to share our comments with CWS. My apologizes for the delay in responding to your request.

Warm Regards,

Louise

Louise Boudreau
Policy Analyst
Department of Natural Resources and Renewables
1701 Hollis St, 3rd Floor,
Halifax, NS, B3J 2T9
(902) 424-3530

From: Feehan, Jennifer
Sent: October 25, 2021 1:41 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: Lands and Forestry comments re. AQ0814

Thanks, Louise. We will send the document along to CWS.

Kind regards,
Jennifer

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: December 21, 2021 8:18 AM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: AQ#1430 and 1431 Network Comment Follow Up

Hi Louise,

I am following up on network comments for adjudicative applications **AQ#1430** and **AQ#1431** for new marine finfish aquaculture sites in North and South Aberdeen, Whycocomagh Bay.

As indicated in your May 28, 2021 email below, Lands and Forestry/Natural Resources and Renewables submitted additional comments regarding the amended development plans for AQ#1430 and AQ#1431.

Please find the following attached for reference:

- L&F's original December 18, 2019 comments.

- Two attachments dated April 21, 2021 containing the applicant's response to L&F's original comments for AQ#1430 and 1431, including Appendix A (Bird & Predator Deterrence Strategy and Pest Management Strategy).
- L&F's revised comments based on the amended development plan dated May 28, 2021.

It may be helpful to note that the applicant meanwhile submitted an application for an experimental site, AQ#5013, located in South Aberdeen, Whycocomagh Bay. AQ#5013 is within the proposed boundaries of the new marine site application AQ#1431. The development plans for AQ#5013, AQ#1430 and AQ#1431 are similar; however, experimental applications follow an administrative process which is separate from the adjudicative process for new site applications that AQ#1430 and AQ#1431 are following.

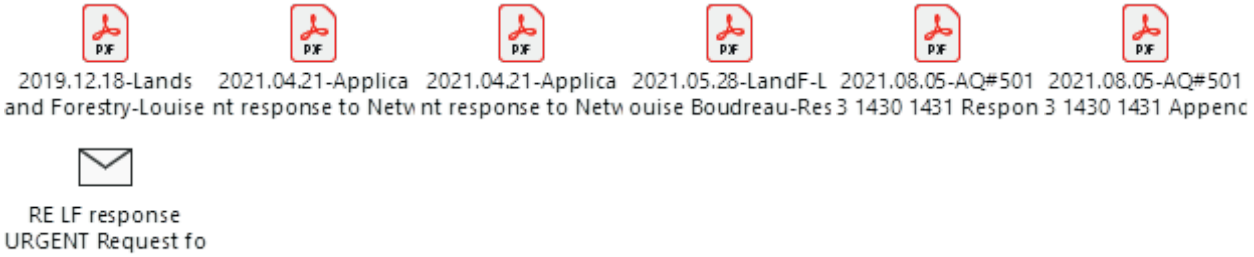
Lands and Forestry reviewed the experimental application for AQ#5013 and had the same comments as those submitted for AQ#1430 and 1431. The attachments dated August 5, 2021 contain the applicant's response to Lands and Forestry's comments for AQ#5013, 1430 and 1431. The attached email thread titled "RE: L&F response URGENT…" contains the finalized network feedback received from Lands and Forestry on AQ#5013, which also addresses AQ#1430 and 1431.

Do you have any further comments or require any additional information for AQ#1430 or AQ#1431, or would this conclude Lands and Forestry/Natural Resources and Renewables advice to the Department specific to these applications?

Please let me know if you would like to discuss and we can set up a call.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca



NOTE: Please refer to correspondence above (see December 18, 2019, April 21, 2021, May 28, 2021, August 6, 2021, and August 18, 2021) for the attachments in this email.

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: January 5, 2022 11:31 AM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; O'Brien-Latham, Lesley

<Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: AQ#1430 and 1431 Network Comment Follow Up

Hi Jennifer,

Thank you for sending us the applicant's response to our comments on AQ 1430 and 1431. I'm just coming back from vacation today, so I'm just seeing your message now . I'll contact our biologist and let you know if we have further concerns.

Warm Regards,

Louise

Louise Boudreau
Policy Analyst
Department of Lands and Forestry
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

From: Feehan, Jennifer
Sent: January 5, 2022 11:40 AM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: AQ#1430 and 1431 Network Comment Follow Up

Hi Louise,

Thank you for the update. Please do not hesitate to reach out if you would like to set up a call to discuss at any point.

Kind regards,
Jennifer

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: February 4, 2022 3:12 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: AQ#1430 and 1431 Network Comment Follow Up

Hi Louise,

I am wondering if you could provide an update on the status of your Department's review of aquaculture applications **AQ#1430** and **AQ#1431**. Has the information provided on December 21, 2021 satisfied your review, or do you have additional comments or questions?

Please let me know if you would like to schedule a call to discuss.

Kind regards,

Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: February 4, 2022 4:00 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: AQ#1430 and 1431 Network Comment Follow Up

Hi Jennifer,

Thank you for contacting me. I forwarded your request in early January to our biologist. I don't believe I received a response so I resent my request. I will let you know when I hear back.

Thanks very much for your patience.

Louise

Louise Boudreau
Policy Analyst
Strategic Policy and Planning Division
Department of Natural Resources and Renewables
Founders Square |1701 Hollis Street, 3rd Floor | Halifax, NS B3J 2T9 |
424-3530

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: February 4, 2022 4:16 PM
To: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: AQ#1430 and 1431 Network Comment Follow Up

Hi Louise,

Thank you for the quick response and update.

Cheers,
Jennifer

From: Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Sent: February 16, 2022 2:08 PM

To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; O'Brien-Latham, Lesley <Lesley.OBrien-Latham@novascotia.ca>
Subject: RE: AQ#1430 and 1431 Network Comment Follow Up

Hi Jennifer,

I just received the message below from our biologist. We have no further concerns regarding #1430 and #1431. So sorry for the delay in our response.

Warm Regards,

Louise

Louise Boudreau
Policy Analyst
Department of Natural Resources and Renewables
1701 Hollis St, 3rd Floor,
Halifax, NS, B3J 2T9
(902) 424-3530

Hi Louise, I just realized I didn't respond to this—I'm so sorry! No further concerns from my end.

Cheers,
-Maureen

APPENDIX L - NOVA SCOTIA DEPARTMENT OF FISHERIES AND AQUACULTURE - INLAND FISHERIES DIVISION

From: Winfield, Lynn
Sent: July 15, 2019 11:05 AM
To: 'Angela Smith' <angela.smith@inspection.gc.ca>; shane.hood@inspection.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>
Subject: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Morning,

Please see the attached information on the boundary amendment application No. 0814, in Whycocomagh Bay, Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by September 16, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website
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AQ0814 Network Memo.pdf
Dev Plan.pdf
AQ0814 Network Agency Review Form

NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.2.1 – AQ#0814x Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn
Sent: October 29, 2019 4:03 PM

To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1430, in Whycocomagh Bay (North Aberdeen), Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website
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AQ1430 Network Agency Review Form | AQ1430 Network Memo.pdf | AQ1430 Application, Develo | August 21, 2019 Additional Info from | Schedule_A_1430.pdf

NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.2 – AQ#1430 Application Form (2019), Section 4.2.2 – AQ#1430 Development Plan (2019), Section 4.2.4 – Development Plan Appendices (2019) and Section 4.3 – Additional Information Requests and Responses (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn
Sent: October 29, 2019 4:14 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: South Aberdeen, Whycobah Bay - AQ1431 We'koqma'q First Nation - New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1431, in Whycocomagh Bay (South Aberdeen), Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by December 28, 2019.

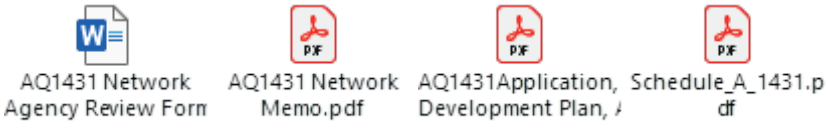
Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.3 – AQ#1431 Application Form, Section 4.2.3 – AQ#1431 Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by Network.

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: December 18, 2019 12:34 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: RE: North Aberdeen, Whycobah Bay - AQ1430 We'koqma'q First Nation - New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1430 for We'koqma'q First Nations in Whycocomagh Bay (North Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Winfield, Lynn
Sent: December 18, 2019 12:36 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Daniel.Houlihan@dfo-mpo.gc.ca; david.macarthur@ec.gc.ca; rachel.gautreau@ec.gc.ca; Birch, Angela <Angela.Birch@novascotia.ca>; Miller, L (Dawn) <Dawn.Miller2@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: South Aberdeen Whycobah Bay AQ1431 Wekoqmaq First Nation New Marine Finfish Application

Attn: Network Review Agencies:

Please be reminded that our office has not received comments from your Department for the proposed new aquaculture marine finfish Licence and Lease #1431 for We'koqma'q First Nations in Whycocomagh Bay (South Aberdeen), Inverness County. Your comments are requested on or before December 28, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Murrant, Darryl D <Darryl.Murrant@novascotia.ca>
Sent: December 27, 2019 4:13 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: RE: North Aberdeen Whycobah Bay AQ1430 Wekoqmaq First Nation New Marine Finfish Application

Hi Lynn
I thought I had responded to this but it must have been the previous application for the experimental licence.
Here you go.
Darryl


AQ1430 Network
Agency Review Form

Network Agency Review of an Aquaculture Application

Agency	
Division (if applicable)	
Date	
File No.	**We'koqma'q First Nation AQ#1430** **North Aberdeen, Whycocomagh Bay, Inverness County**
Type of application	**Marine Finfish Cage Cultivation (Rainbow Trout)**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☐ No concerns regarding the proposed development
☒ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☐ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

The only concern with this from an Inland Fisheries perspective would be that there is recreational angling, primarily for trout, that occurs along the shoreline adjacent to the proposed site. Angling by boat currently occurs in the waters where the array of cages is proposed. There is some potential for conflict to occur although, admittingly, the history of angler - fish farmer interaction in Whycocomagh Bay has for the most part been one of anglers targeting escapees.

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

From: Murrant, Darryl D <Darryl.Murrant@novascotia.ca>
Sent: December 27, 2019 4:19 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: RE: South Aberdeen Whycobah Bay AQ1431 Wekoqmaq First Nation New Marine Finfish Application

Hi Lynn
Here are my comments.
Darryl


AQ1431 Network
Agency Review Form

Network Agency Review of an Aquaculture Application

Agency	
Division (if applicable)	
Date	
File No.	**We'koqma'q First Nation AQ#1431** **South Aberdeen, Whycocomagh Bay, Inverness County**
Type of application	**Marine Finfish Cage Cultivation (Rainbow Trout)**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☐ No concerns regarding the proposed development
☐ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☐ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

The only concern with this from an Inland Fisheries perspective would be that there is recreational angling, primarily for trout, that occurs along the shoreline adjacent to the proposed site. Angling by boat currently occurs in the waters where the array of cages is proposed. As well there is significant ice fishing activity in the winter for smelt in the immediate vicinity of the proposed site. There is some potential for conflict to occur although, admittingly, the history of angler - fish farmer interaction in Whycocomagh Bay has for the most part been one of anglers targeting escapees.

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

From: Winfield, Lynn
Sent: January 14, 2020 1:03 PM
To: Murrant, Darryl D <Darryl.Murrant@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>
Subject: FW: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Afternoon

Please be reminded that our office has not received comments from your Department for the proposed aquaculture site in Whycocomagh Bay, Inverness Co. AQ0814.

Can you please provide your comments by **January 21, 2020**?

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

From: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Sent: April 14, 2020 11:21 AM
To: Murrant, Darryl D <Darryl.Murrant@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: FW: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Morning Darryl,

Hope you are doing well.

I have not received a response from you regarding Boundary Amendment application AQ#0814 for We'Koqma'q First Nation.

I have attached the information on the boundary amendment application No. 0814, in Whycocomagh Bay, Inverness County, along with the Network Agency Review Form.

Can you please provide your response by **April 28, 2020**?

Please note, I did receive your response for Application AQ#1430 North Aberdeen and AQ#1431 South Aberdeen.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

AQ0814 Network Memo.pdf Dev Plan.pdf AQ0814 Network Agency Review Form

NOTE: Please refer to Appendix A for the Network Memo and Network Agency Review Form, and the Application Package, Volume 2, Section 4.2.1 – AQ#0814x Development Plan (2019) and

Section 4.2.4 – Development Plan Appendices (2019), for the documents sent to and reviewed by DFA Inland.

From: Murrant, Darryl D <Darryl.Murrant@novascotia.ca>
Sent: April 24, 2020 4:46 PM
To: Winfield, Lynn <Lynn.Winfield@novascotia.ca>
Subject: RE: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Hi Lynn
Just under the wire!

Take Care

Darryl



AQ0814 Network Agency Review Form

Network Agency Review of an Aquaculture Application

Agency	**Fisheries & Aquaculture**
Division (if applicable)	**Inland Fisheries**
Date	**April 24, 2020**
File No.	**AQ#0814 - Whycocomagh Bay, Inverness County**
Type of application	**Boundary Amendment - Marine Finfish Cage Cultivation (Rainbow trout & Atlantic salmon)**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☐ No concerns regarding the proposed development
☒ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☐ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

General comments:
Whycocomagh Bay is a popular destination for anglers fishing both from shore and from boats. The most popular species are: Rainbow trout, presumed escapees or from provincial stocking, Brook trout, Brown trout and smelt. While anglers, for the most part, are supportive of the current operation, there may exist the potential for conflict, particularly from boaters given the scale of the increased acreage; from less than 5Ha to 65Ha.

These comments speak only to changes with regards to increased Rainbow trout production although the license includes Atlantic salmon.

Corrections in 3.1:

- The recreational fishing season in the Bras d'Or Lakes for Rainbow trout and Brown is year- round.
- There are no smallmouth bass in the Bras d'Or Lakes.

Public Notice and Disclosure

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In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

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All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 10:24 AM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: Discussion regarding AQ 1430, 1431

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Hello Robert:
I am wondering if we can arrange a call to discuss the lease applications for AQ 1430, 1431. We'koqma'q has learned some things in the past year of working the experimental site (AQ 5010) and we'd like to apply that knowledge to the lease applications.

Please let me know if/when this would be possible.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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From: Ceschiutti, Robert [mailto:Robert.Ceschiutti@novascotia.ca]
Sent: Monday, July 13, 2020 12:02 PM
To: Melissa Rommens
Cc: Feehan, Jennifer; Winfield, Lynn; donald
Subject: RE: Discussion regarding AQ 1430, 1431

Hi Melissa, sounds good. I'll find out who else on our team would like to join the call, which will help determine when we can arrange the meeting. I should have a reply for you by tomorrow afternoon.

Regards,
Robert Ceschiutti
Manager, Licensing and Leasing
NS Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia

B0T 1W0
Phone: 902-875-7430
Cell: 902-874-0996
Robert.Ceschiutti@novascotia.ca

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 13, 2020 12:31 PM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Winfield, Lynn <Lynn.Winfield@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Subject: RE: Discussion regarding AQ 1430, 1431

Thank you Robert.
Melissa

NOTE: Please refer to correspondence in Appendix B for the July 23, 2020 Meeting Invitation.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: September 9, 2020 12:07 PM
To: Aquaculture <Aquaculture@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: donald <donalddavis@waycobah.ca>
Subject: Changes to applications for AQ 1430 and 1431

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Please find attached a formal request for production plan changes to the applications for AQ 1430 and 1431. Please be sure to reach out with questions or concerns.

Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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NOTE: Please refer to the Application Package, Volume 2, Section 4.4 – Development Plan Revisions AQ#1430 and AQ#1431 (2020), for the attachment in this email.

From: Greenwood, Megan N
Sent: March 29, 2021 1:54 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1430 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1430 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in North Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo-Amended Pla

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by Network, and the Application Package, Volume 2, Section 4.3 for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Greenwood, Megan N
Sent: March 29, 2021 3:52 PM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1431 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1431 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in South Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by May 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-Network Memo Amended Plar

NOTE: Please refer to Appendix A for the Network Memo (dated March 29, 2021) sent to and reviewed by DFA Inland, and Section 4.3 of the Application Package for the Development Plan Revisions AQ#1430 and AQ#1431 (2020).

From: Feehan, Jennifer
Sent: March 29, 2021 4:27 PM
To: 'donald' <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: Network Comments AQ#1430 & 1431

Hi Donald and Melissa,

Please be advised that the amended development plans with revised production plans and cage configuration for AQ#1430 and AQ#1431 have been sent to Network for review.

I have attached a compilation of network comments received to date based on the original development plans. Network may have additional questions or comments pending review of the amended plans. You may begin preparing any required responses as per the comments to date, and we will be in touch when final comments or questions from Network have been submitted.

Please do not hesitate to reach out if you have any questions.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca


AQ#1430 Compilation of Netv


AQ#1431 Compilation of Netv

NOTE: Please refer to Appendix N for the Compilation of Network Comments for AQ#1430 and AQ#1431 up to March 29, 2021, attached in this email.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 30, 2021 9:47 AM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC)

<rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1430 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include to template form for comment.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 30, 2021 9:49 AM
To: Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; daniel.houlihan@dfo-mpo.gc.ca; Smith, Angela (CFIA/ACIA) <angela.smith@canada.ca>; MacArthur, David (EC) <david.macarthur@canada.ca>; Gautreau, Rachel (EC) <rachel.gautreau@canada.ca>; Kittilsen, Michael A <Michael.Kittilsen@novascotia.ca>; Birch, Angela <Angela.Birch@novascotia.ca>; Cottreau-Robins, Catherine M <Catherine.Cottreau-Robins@novascotia.ca>; McNeill, Alan J <Alan.McNeill@novascotia.ca>; Blackburn, Lori M <Lori.Blackburn@novascotia.ca>; Boudreau, Louise O <Louise.Boudreau@novascotia.ca>
Subject: FW: AQ#1431 Network Memo-Amended Plan

Good morning,

My apologizes, I didn't include the template in the original email.

Megan Greenwood
Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429
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AQ1431 Network Agency Review Form

NOTE: Please refer to Appendix A for the Network Agency Review Form attachment in this email.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: April 21, 2021 2:22 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: Network Comments AQ#1430 & 1431

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Hello Jennifer:
Find attached responses to network comments you had received as of March 29, 2020 for AQ 1430 and AQ 1431.
Please let us know if a different kind of formatting for responses is preferred.
Just reach out with questions or concerns.
Kind regards,
Melissa

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0
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Response to Network Comments


Response to Network Comments

NOTE: Please refer to correspondence in Appendix B dated April 21, 2021, for the complete documents attached in this email. The proponent's responses specific to DFA Inland are attached below for reference.

Response to network comments AQ # 1430 (North Aberdeen)

Network Comments, as received March 29, 2021

8. NSDFA (Inland Division); Undated:

The only concern with this from an Inland Fisheries perspective would be that there is recreational angling, primarily for trout, that occurs along the shoreline adjacent to the proposed site. Angling by boat currently occurs in the waters where the array of cages is proposed. There is some potential for conflict to occur although, admittingly, the history of angler - fish farmer interaction in Whycocomagh Bay has for the most part been one of anglers targeting escapees.

Anglers will be educated, as required, on the lease boundaries to ensure that navigation and angling are safely conducted. It is notable that Whycocomagh Bay is a large body of water so that recreational fishing and this development should be able to peaceably co-exist, as they have for the past several decades.

Response to network comments AQ # 1431 (South Aberdeen)

Network Comments, as received March 29, 2021

8. NSDFA (Inland Division); Undated:

The only concern with this from an Inland Fisheries perspective would be that there is recreational angling, primarily for trout, that occurs along the shoreline adjacent to the proposed site. Angling by boat currently occurs in the waters where the array of cages is proposed. As well there is significant ice fishing activity in the winter for smelt in the immediate vicinity of the proposed site. There is some potential for conflict to occur although, admittingly, the history of angler - fish farmer interaction in Whycocomagh Bay has for the most part been one of anglers targeting escapees.

Fishers will be educated, as required, on the lease boundaries to ensure that navigation and fishing are safely conducted. It is notable that Whycocomagh Bay is a large body of water so that recreational fishing and this development should be able to peaceably co-exist, as they have for the past several decades.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: June 22, 2021 11:48 AM
To: McNeill, Alan J <Alan.McNeill@novascotia.ca>
Cc: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: Status Update for Network Review of AQ#1430 and AQ#1431

Good morning Alan,

I was wondering if you could please provide me with a status update on the progress regarding network review of the amended plans to aquaculture applications AQ#1430 and AQ#1431, attached.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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Sent: June 22, 2021 4:06 PM
To: donald <donalddavis@waycobah.ca>; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: AQ#0814 Compilation of Network Comments

Hi Donald and Melissa,

Please find attached the compilation of comments received from Network Agencies for AQ#0814. A compilation of DFO's requests for additional information to date is attached separately. Please note that DFO's final Letter of Advice and CSAS Report for this application are still pending.

In regard to Nova Scotia Department of Lands and Forestry's comments (see pages 39-41), we would like to set up a call to discuss and provide some clarification. To allow time for you to review the network comments and prepare any questions, would a call on **July 14th at 11 am** work for you?

Please let me know and I will follow up with a meeting request.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor

Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca


1 - AQ#0814 Compilation of Netv


2 - AQ#0814 Compilation of DFO

NOTE: Please refer to Appendix N for the Compilation of Network Comments for AQ#0814x up to June 22, 2021, attached in this email.

From: Melissa Rommens <melissa@sustainaqua.ca>
Date: 2021-06-23 7:58 a.m. (GMT-04:00)
To: "'Feehan, Jennifer'" <Jennifer.Feehan@novascotia.ca>, 'donald' <donalddavis@waycobah.ca>
Cc: "'Greenwood, Megan N'" <Megan.Greenwood@novascotia.ca>, "'Feindel, Nathaniel J'" <Nathaniel.Feindel@novascotia.ca>, "'Ceschiutti, Robert'" <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

This time is good for me Jennifer.

Please await a reply from Donald before final scheduling.

Kind regards,

Melissa

From: donalddavis <donalddavis@waycobah.ca>
Sent: June 23, 2021 8:18 AM
To: Melissa Rommens <melissa@sustainaqua.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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That time is fine with me.....Regards Donald.

Sent from my Bell Samsung device over Canada's largest network.

From: McNeill, Alan J <Alan.McNeill@novascotia.ca>
Sent: June 23, 2021 9:24 AM
To: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Cc: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Subject: RE: Status Update for Network Review of AQ#1430 and AQ#1431

Hello Megan,

We've been busy with the beginning of the recreational fishery this Spring, I appreciate the reminder, I will have a response to you shortly.

Alan McNeill
Director

NS Fisheries & Aquaculture
Inland Fisheries Division

PO Box 700
91 Beeches Rd.
Pictou, NS, CAN B0K 1H0
Phone: (902) 485-7024
Mobile : (902) 396-6978
Fax: (902) 485-4014
Email: Alan.McNeill@novascotia.ca

On Jul 14, 2021, at 3:52 PM, McNeill, Alan J <Alan.McNeill@novascotia.ca> wrote:
Megan.,
Sorry have been meaning to respond to you on this, we've reviewed internally at Inland Fisheries, Are you still accepting comments?

Al
Alan McNeill
Director

<image001.jpg>

NS Fisheries & Aquaculture
Inland Fisheries Division

PO Box 700
91 Beeches Rd.
Pictou, NS, CAN B0K 1H0
Phone: (902) 485-7024
Fax: (902) 485-4014
Email: Alan.McNeill@novascotia.ca

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: July 14, 2021 4:13 PM
To: McNeill, Alan J <Alan.McNeill@novascotia.ca>
Subject: Re: Status Update for Network Review of AQ#1430 and AQ#1431

Yes we are!

Sent from my iPhone

From: McNeill, Alan J <Alan.McNeill@novascotia.ca>
Sent: July 21, 2021 4:41 PM
To: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: Status Update for Network Review of AQ#1430 and AQ#1431

Hello Megan,
Please see comments from Inland Fisheries attached.
Al

Alan McNeill
Director

NOVA SCOTIA

NS Fisheries & Aquaculture
Inland Fisheries Division

PO Box 700
91 Beeches Rd.
Pictou, NS, CAN B0K 1H0
Phone: (902) 485-7024
Fax: (902) 485-4014
Email: Alan.McNeill@novascotia.ca

Network Agency Review-AQ#0814x IF.

Network Agency Review-AQ#1430 IF.

Network Agency Review-AQ#1431 IF.

038Network Agency Review of an Aquaculture Application

Agency	**Nova Scotia Department of Fisheries & Aquaculture**
Division (if applicable)	**Inland Fisheries**
Date	**July 21, 2021**
File No.	**0814X**
Type of application	**Amended Marine Finfish**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☐ No concerns regarding the proposed development
☒ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☐ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

Amendment to Application 0814x

- The amendment to cage size and configuration will have no impact on enhancement programs
- The proposed location/placement of the marine site would have no impact on current enhancement programs
- Angler access to Whycocomagh Bay has been impacted by the current leases. Angler access may be impacted by the proposed amendment.

Currently a large portion of Whycocomagh Bay has been closed to recreational angling since April, 2020, and is currently closed until December 31, 2021. This has been the at request of the company seeking these applications. They contend anglers are interfering with their operations, although the site markings are not clearly defined. The area where anglers are excluded from is approximately 352 ha, while the area of the three existing leases is 4.3 ha.

If a similar angling closure is requested for Applications 0814x , 1430 and 1431, anglers would be excluded from a large portion of Whycocomagh Bay.

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

038Network Agency Review of an Aquaculture Application

Agency	**Nova Scotia Dept. of Fisheries & Aquaculture**
Division (if applicable)	**Inland Fisheries**
Date	**July 21, 2021**
File No.	**1430**
Type of application	**New Marine Finfish**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☐ No concerns regarding the proposed development
☒ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☐ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

Inland Fisheries Division comments to We'koma'q First Nation applications

Application 1430

- The amendment to cage size and configuration will have no impact on enhancement programs
- The proposed location/placement of the marine site would have no impact on current enhancement programs
- Angler access to Whycocomagh Bay may be impacted by the proposed location

Currently a large portion of Whycocomagh Bay has been closed to recreational angling since April, 2020, and is currently closed until December 31, 2021. This has been the at request of the company seeking these applications. They contend anglers are interfering with their operations, although the site markings are not clearly defined. The area where anglers are excluded from is approximately 352 ha, while the area of the three existing leases is 4.3 ha.

If a similar angling closure is requested for Applications 0814x , 1430 and 1431, anglers would be excluded from a large portion of Whycocomagh Bay.

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

038Network Agency Review of an Aquaculture Application

Agency	**Fisheries & Aquaculture**
Division (if applicable)	**Inland Fisheries**
Date	**July 21, 2021**
File No.	**1431**
Type of application	**New Marine Finfish**
Information Provided	

Please provide comments, concerns, recommendations, or requirements on the above stated application for a marine aquaculture licence. Please include the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. Similarly, if additional information is required to make a determination, please include the criterion /criteria within your jurisdiction or mandate that your request is based upon.

☐ No concerns regarding the proposed development
☒ Concerns with development are expressed below
☐ Request modifications to the proposed development (described below)
☐ Required or recommended conditions (described below)
☐ Request additional information (described below)
☐ Request meeting with applicant and NSDFA (described below)
☐ No comments on the application

Comments, concerns, recommendations, and/or required conditions including the criterion /criteria within your jurisdiction or mandate that your feedback is based upon. (Attach comments if preferred, or add additional pages, as required.):

Application 1430

- The amendment to cage size and configuration will have no impact on enhancement programs
- The proposed location/placement of the marine site would have no impact on current enhancement programs
- Angler access to Whycocomagh Bay may be impacted by the proposed location

Currently a large portion of Whycocomagh Bay has been closed to recreational angling since April, 2020, and is currently closed until December 31, 2021. This has been the at request of the company seeking these applications. They contend anglers are interfering with their operations, although the site markings are not clearly defined. The area where anglers are excluded from is approximately 352 ha, while the area of the three existing leases is 4.3 ha.

If a similar angling closure is requested for Applications 0814x , 1430 and 1431, anglers would be excluded from a large portion of Whycocomagh Bay.

Public Notice and Disclosure

As part of the process for deciding on an application, it may be necessary for the Nova Scotia Department of Fisheries and Aquaculture ("Fisheries and Aquaculture") to disclose the collected network review information to the applicant and other government bodies, including, if applicable, the Nova Scotia Aquaculture Review Board for use at an adjudicative hearing relating to the application in question.

In accordance with departmental policy, which seeks to promote public involvement in the process for deciding on aquaculture applications, Fisheries and Aquaculture will disclose aquaculture application information, including network review information, on the departmental website.

Privacy Statement

The network review information collected as part of an aquaculture application will only be used or disclosed by Fisheries and Aquaculture for the purpose of deciding on the application.

All application information collected is subject to the Freedom of Information and Protection of Privacy Act ("FOIPOP") and will only be used or disclosed in accordance with FOIPOP.

NOTE: Please refer to correspondence in Appendix B for the July 23, 2020 Meeting Invitation.

From: Melissa Rommens <melissa@sustainaqua.ca>
Sent: July 26, 2021 4:44 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

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Hello Jennifer:
Find attached a response to the compiled network comments as referred to in the email below.

There are a few outstanding items noted:

- Confirm if anything is outstanding with TC.
- Determine contact information for the Coordinator of Special Places Program of NSCCH.
- Confirm if anything is required for NSECC.
- Determine intention of bald eagle monitoring requested by NSDLF.
- Confirm if additional information is required for DFO.

We are available to discuss the above as well as the submission at your convenience.

Thank-you for the opportunity to discuss and respond to the network concerns.

Kind regards,
Melissa.

SustainAqua
Sustainable Solutions for Long Term Growth

MELISSA ROMMENS
Phone 902.675.4980
Fax 902.675.3659

Melissa@sustainaqua.ca
1475 Peters Rd, Emyvale, PE, C0A 1Y0

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Network comment responses 0814x Jul

NOTE: Please refer to correspondence in Appendix B dated July 26, 2021, for the complete document attached in this email. The proponent's response specific to DFA Inland are attached below for reference.

Response to network comments AQ # 0814x (Boundary Amendment)

Ref. Document: 1 -AQ#8014 Compilation of Network Comments – 2021.06.22

8. NSDFA (Inland Division); April 24, 2020

General comments: Whycocomagh Bay is a popular destination for anglers fishing both from shore and from boats. The most popular species are: Rainbow trout, presumed escapees or from provincial stocking, Brook trout, Brown trout and smelt. While anglers, for the most part, are supportive of the current operation, there may exist the potential for conflict, particularly from boaters given the scale of the increased acreage; from less than 5Ha to 65Ha.

These comments speak only to changes with regards to increased Rainbow trout production although the license includes Atlantic salmon.

Response from We'koqma'q: Anglers will be educated, as required, on the lease boundaries to ensure that navigation and angling are safely conducted. It is notable that Whycocomagh Bay is a large body of water so that recreational fishing and this development should be able to peaceably co-exist, as they have for the past several decades.

The corrections to the recreational fisheries information submitted with the application are noted namely:

- *The recreational fishing season in the Bras d'Or Lakes for Rainbow trout and Brown is year-round.*
- *There are no smallmouth bass in the Bras d'Or Lakes.*

From: Feehan, Jennifer
Sent: August 5, 2021 4:46 PM
To: Melissa Rommens <melissa@sustainaqua.ca>; 'donald' <donalddavis@waycobah.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; donald <donalddavis@waycobah.ca>
Subject: RE: AQ#0814 Compilation of Network Comments

Hi Melissa,

Thank you for your submission of the response to network comments for AQ#0814. I am in the process of reviewing your responses and will get them sent out to the appropriate network agencies as soon as possible.

Regarding the outstanding items outlined in your email:

- TC has confirmed that they have the application and do not require you to reapply through the online portal.
- NSCCH has been contacted and we are waiting for a response. The general contact information for the Department is cch@novascotia.ca and (902) 424-2170, but I will see I can get you a direct contact.
- NSE has confirmed that they have not received comment from the compliance team and agreed that NSDFA will request comment directly from the Compliance and Enforcement Division for the compliance report, which is the regular process for receiving comment from the compliance team.
- I will follow up with NSDLF on the bald eagle monitoring when I send your response.
- I will confirm with DFO that no additional information is required when I send your response.

I will be in touch with any additional updates.

Kind regards,
Jennifer

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: August 12, 2021 3:51 PM
To: DonaldDavis@waycobah.ca; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: AQ#0814x - Additional Network Comments

Hi Donald and Melissa,

We have received additional network comments from Nova Scotia Department of Fisheries and Aquaculture Inland Fisheries Division regarding AQ#0814x.

Please review the comments and prepare a response at your earliest convenience. Do not hesitate to reach out if you have any questions.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5

902-237-0771
jennifer.feehan@novascotia.ca

2021.07.21-Inland Fisheries Response-A

NOTE: Please refer to correspondence above (see July 21, 2021) for the attachment in this email.

From: Feehan, Jennifer
Sent: August 12, 2021 3:52 PM
To: DonaldDavis@waycobah.ca; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: AQ#1430/1431 - Additional Network Comments

Hi Donald and Melissa,

We have also received additional network comments from Nova Scotia Department of Fisheries and Aquaculture Inland Fisheries Division regarding AQ#1430 and 1431.

Please review the comments and send along your response at your earliest convenience.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

2021.07.21-Inland Fisheries Response-

2021.07.21-Inland Fisheries Response-

NOTE: Please refer to correspondence above (see July 21, 2021) for the attachments in this email.

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: August 31, 2021 4:35 PM
To: DonaldDavis@waycobah.ca; Melissa Rommens <melissa@sustainaqua.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814x - Additional Network Comments

Hi Donald and Melissa,

This is a reminder that your response specific to AQ#0814 for the comments from Inland Fisheries' (see attached) is outstanding.

Please do not hesitate to reach out if you have any questions.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

2021.07.21-Inland Fisheries Response-

NOTE: Please refer to correspondence above (see July 21, 2021) for the attachments in this email.

From: Melissa Sustain Aqua <melissa@sustainaqua.ca>
Sent: September 1, 2021 11:04 AM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: DonaldDavis@waycobah.ca; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: Re: AQ#0814x - Additional Network Comments

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Hello Jennifer:
Please find attached a response to the comments by Inland Fisheries.
Thank-you for your patience.
Kind regards,
Melissa

Network response to Inland Fisheries C

Response to network comments from NSDFA Inland Fisheries for 0814x, 1430, and 1431

Responses to network comments, as received August 12, 2021

COMMENTS RECEIVED: Currently a large portion of Whycocomagh Bay has been closed to recreational angling since April, 2020, and is currently closed until December 31, 2021. This has been the at request of the company seeking these applications. They contend anglers are interfering with their operations, although the site markings are not clearly defined. The area where anglers are excluded from is approximately 352 ha, while the area of the three existing leases is 4.3 ha.
If a similar angling closure is requested for Applications 0814x , 1430 and 1431, anglers would be excluded from a large portion of Whycocomagh Bay.

Current area closure clarification

Closure of the area in and around 0814x in 2020 and 2021 was requested and has been maintained because of a number of reasons:

- Angling activity near and between cage arrays poses on-the-water safety issues for anglers and farm workers. It is notable that there are multiple cage arrays on the 0814x site and movement between them is necessary on an ongoing basis.
- Angler parking along the main highway, adjacent to 0814x, poses road safety issues for anyone travelling the highway.
- Increased visitor activity to the Reserve by anglers during a global pandemic, poses health risks to our Community.

Moving forward, whether or not a request to continue this closure will occur will depend on the status of these risks.

Future area use

For each of the proposed North and South Aberdeen sites (AQ 1430, 1431), activities will be compact with the intended use of one cage array accompanied by one feed barge only. Only the leased areas would be closed to anglers. There is no plan to request closure of larger areas.

Marking of all sites, including 0814x will follow Transport Canada requirements to ensure they are clearly defined.

Relative area used

Perspective with regards to the extent of the area potentially not available to anglers is best gained by looking at a map. The proposed lease areas within Whycocomagh Bay are shown below (Figure 1). As calculated, these proposed lease areas represent 4.4% of the Whycocomagh Bay area.

Response to network comments from NSDFA Inland Fisheries for 0814x, 1430, and 1431

Responses to network comments, as received August 12, 2021

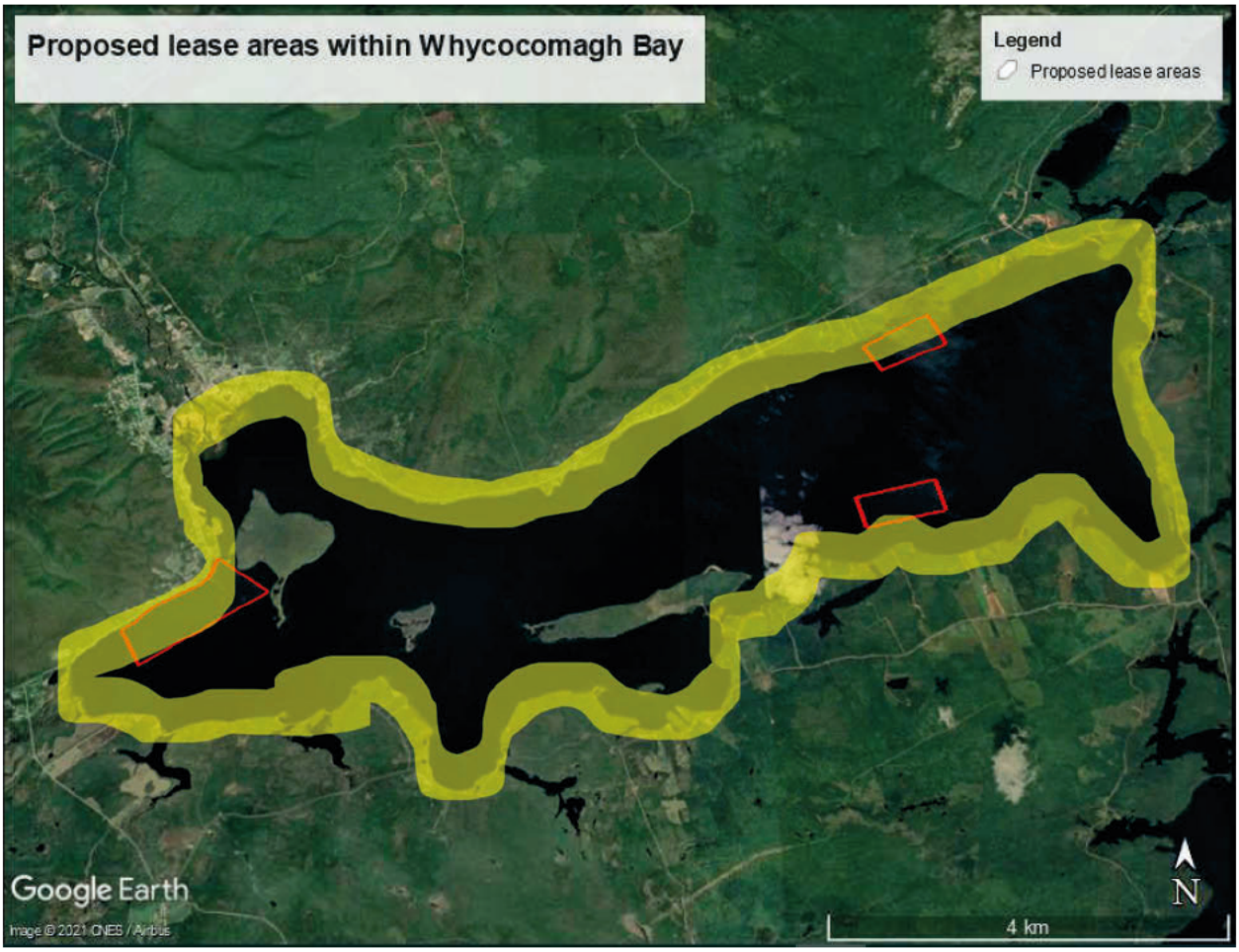


Figure 1: Proposed marine finfish lease areas relative to the total area of Whycocomagh Bay. The lease areas are shown by red polygons. The shoreline of Whycocomagh Bay is highlighted in yellow.

<u>Area calculation</u>

Areas requested for fish farming: AQ 1430: 35 ha; AQ 1431: 35 ha; AQ 0814x: 70 ha; Total lease area = 140ha.

Whycocomagh Bay area (shoreline highlighted in yellow. Area calculated using Google Earth, with the area of the three islands subtracted) = 3168ha

Percent of bay to be used by leases = 4.4%

From: Feehan, Jennifer
Sent: September 1, 2021 11:10 AM
To: Melissa Sustain Aqua <melissa@sustainaqua.ca>
Cc: DonaldDavis@waycobah.ca; Greenwood, Megan N <Megan.Greenwood@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Subject: RE: AQ#0814x - Additional Network Comments

Thank you, Melissa.

I will be in touch if Inland has any additional comments or questions.

Kind regards,
Jennifer

From: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Sent: September 1, 2021 11:40 AM
To: McNeill, Alan J <Alan.McNeill@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: Network Review AQ#0814, AQ#1430 and AQ#1431

Hi Al,

The proponent has provided a response to Inland Fisheries' network feedback (see attached) regarding aquaculture applications **AQ#0814, AQ#1430 and AQ#1431**.

Please review and provide any additional feedback or final comments by **September 30, 2021**.

Kind regards,
Jennifer

Jennifer Feehan
Aquaculture Advisor
Nova Scotia Department of Fisheries and Aquaculture
1800 Argyle Street, 6th Floor WTCC
Halifax, NS B3J 2R5
902-237-0771
jennifer.feehan@novascotia.ca

2021.09.01-Applica
nt response to Inlan

NOTE: Please refer to correspondence above (see September 1, 2021) for the attachment in this email.

From: McNeill, Alan J <Alan.McNeill@novascotia.ca>
Sent: September 1, 2021 12:32 PM
To: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>
Cc: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Subject: RE: Network Review AQ#0814, AQ#1430 and AQ#1431

Thank-you Jennifer,
I have no further comments,

Al

Alan McNeill
Director

NS Fisheries & Aquaculture
Inland Fisheries Division

PO Box 700
91 Beeches Rd.
Pictou, NS, CAN B0K 1H0
Phone: (902) 485-7024
Mobile : (902) 396-6978
Fax: (902) 485-4014
Email: Alan.McNeill@novascotia.ca

APPENDIX M – CONSULTATIONS WITH THE MI'KMAQ OF NOVA SCOTIA

From: Winfield, Lynn
Sent: July 15, 2019 11:09 AM
To: Rillie, Claire Z <Claire.Rillie@novascotia.ca>
Subject: AQ0814 - Boundary Amendment Application - We'koqma'q First Nation

Good Morning,

Please see the attached information on the boundary amendment application No. 0814, in Whycocomagh Bay, Inverness County.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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AQ0814 OAA Network Memo.pdf
Dev Plan.pdf
AQ0814 Report on Public Engagement

NOTE: Please refer to the Network Memo attached below, the Application Package, Volume 1, Section 3.0 – Scoping Report, and Volume 2, Section 4.2.1 – AQ#0814x Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the attachments in this email.

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
novascotia.ca

MEMORANDUM

To: Office of Aboriginal Affairs (OAA)

From: Brennan Goreham, Administrator, Aquaculture Division
Nova Scotia Department of Fisheries and Aquaculture

CC: Matthew King, GIS Analyst
Nathaniel Feindel, Manager of Aquaculture Development
Lynn Winfield, Licensing Coordinator

Date: July 15, 2019

RE: Boundary Amendment Aquaculture Application No. 0814 Whycocomagh Bay, Inverness County - Aquaculture Network Review

Be advised that We'koqma'q First Nation has submitted a boundary amendment aquaculture application (AQ#0814) for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County.

Please find attached information relating to the following aquaculture boundary amendment application:

Licence/Lease No.:	AQ#0814
Applicant:	We'koqma'q First Nation
Application Type:	Boundary Amendment Marine Aquaculture Site
Current Species:	Rainbow trout and Atlantic salmon
Cultivation Type:	Marine cage cultivation
Current Size:	1.39HA
Proposed Size:	65.53HA
Location:	Whycocomagh Bay, Inverness County

To facilitate the screening process, NSDFA offers the following points of information:

1. Following the review of the application by our Network Partners, this application will be provided to the Aquaculture Review Board for final decision;
2. The applicant is making application to Transport Canada for an authorization under the Navigation Protection Act for the placement of marine cages;
3. This application is part of an ongoing effort within the province to correct historical discrepancies between approved site locations and the actual footprint of farming activities.

Since 2016, the Department has been working with the applicant to address this issue to ensure regulatory compliance and operational viability.

NSDFA recognized the Mi'kmaq Treaty Rights and the interest of Mi'kmaq communities in aquaculture development.

We request that you review and submit all components that pertain to this application by July 29, 2019.

Note: We require a written (mail/email) response from each of our review agencies in order to process this application.

You may contact Lynn Winfield, Licensing Coordinator by phone at 902-875-7440 or email Lynn.Winfield@novascotia.ca if you have any questions.

From: Winfield, Lynn
Sent: October 29, 2019 4:06 PM
To: Rillie, Claire Z <Claire.Rillie@novascotia.ca>
Subject: North Aberdeen, Whycobah Bay AQ1430 Wekoqmaq First Nation New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1430, in Whycocomagh Bay (North Aberdeen), Inverness County, along with the Network Agency Review Form.

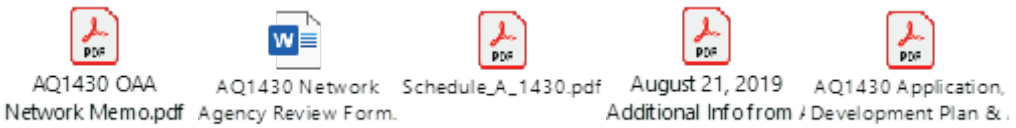
Please respond with your feedback by November 12, 2019.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website
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NOTE: Please refer to the Network Memo attached below, Appendix A for the Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.2 – AQ#1430 Application Form (2019), Section 4.2.2 – AQ#1430 Development Plan (2019), Section 4.2.4 – Development Plan Appendices (2019) and Section 4.3 – Additional Information Requests and Responses (2019), for the attachments in this email.

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
novascotia.ca

MEMORANDUM

To: Office of Aboriginal Affairs (OAA)

From: Brennan Goreham, Administrator, Aquaculture Division
Nova Scotia Department of Fisheries and Aquaculture

CC: Matthew King, GIS Analyst
Nathaniel Feindel, Manager of Aquaculture Development
Lynn Winfield, Licensing Coordinator

Date: October 28, 2019

RE: **New Aquaculture Licence and Lease Application No. 1431 – Inverness County Aquaculture Network Review**

Be advised that We'koqma'q First Nation has submitted an Aquaculture application #1431 for marine finfish cage cultivation of Rainbow Trout. The site is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Please find attached information relating to the following aquaculture application:

Application No.:	1431
Proponent:	We'koqma'q First Nation
Application Type:	Aquaculture Application - Marine Finfish Cage Cultivation of Rainbow Trout
Location:	South Aberdeen, Whycocomagh Bay, Inverness County

To facilitate the screening process, NSDFA offers the following points of information:

1. Following the review of the application by our Network Partners, this application will be provided to the Aquaculture Review Board for final decision;
2. The applicant is making application to Transport Canada for an authorization under the Navigation Protection Act for the placement of marine cages;
3. Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application No. 1431, should AQ#1431 be approved, AQ#5010 will be discontinued.

NSDFA recognized the Mi'kmaq Treaty Rights and the interest of Mi'kmaq communities in aquaculture development.

We request that you review and submit all components that pertain to this application by November 12, 2019.

Note: We require a written (mail/email) response from each of our review agencies in order to process this application.

You may contact Lynn Winfield, Licensing Coordinator by phone at 902-875-7440 or email Lynn.Winfield@novascotia.ca if you have any questions.

From: Winfield, Lynn
Sent: October 29, 2019 4:10 PM
To: Rillie, Claire Z <Claire.Rillie@novascotia.ca>
Subject: South Aberdeen Whycobah Bay AQ1431 Wekoqmaq First Nation New Marine Finfish Application

Good Afternoon,

Please see the attached information on a New Aquaculture Marine Finfish Site application No. 1431, in Whycocomagh Bay (South Aberdeen), Inverness County, along with the Network Agency Review Form.

Please respond with your feedback by November 12, 2019.

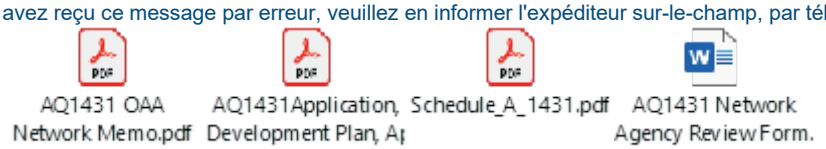
Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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NOTE: Please refer to the Network Memo attached below, Appendix A for the Network Agency Review Form, and the Application Package, Volume 2, Section 4.1.3 – AQ#1431 Application Form (2019), Section 4.2.3 – AQ#1431 Development Plan (2019) and Section 4.2.4 – Development Plan Appendices (2019), for the attachments in this email.

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

MEMORANDUM

To: Office of Aboriginal Affairs (OAA)

From: Brennan Goreham, Administrator, Aquaculture Division
Nova Scotia Department of Fisheries and Aquaculture

CC: Matthew King, GIS Analyst
Nathaniel Feindel, Manager of Aquaculture Development
Lynn Winfield, Licensing Coordinator

Date: October 28, 2019

RE: **New Aquaculture Licence and Lease Application No. 1430 – Inverness County Aquaculture Network Review**

Be advised that We'koqma'q First Nation has submitted an Aquaculture application #1430 for Marine Finfish Cage cultivation of Rainbow Trout. The site is located in North Aberdeen, Whycocomagh Bay, Inverness County.

Please find attached information relating to the following aquaculture application:

Application No.:	1430
Proponent:	We'koqma'q First Nation
Application Type:	Aquaculture Application - Marine Finfish Cage Cultivation of Rainbow Trout
Location:	North Aberdeen, Whycocomagh Bay, Inverness County

To facilitate the screening process, NSDFA offers the following points of information:

1. Following the review of the application by our Network Partners, this application will be provided to the Aquaculture Review Board for final decision;
2. The applicant is making application to Transport Canada for an authorization under the Navigation Protection Act for the placement of marine cages;
3. Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application No. 1430, should AQ#1430 be approved, AQ#5010 will be discontinued.

NSDFA recognized the Mi'kmaq Treaty Rights and the interest of Mi'kmaq communities in aquaculture development.

We request that you review and submit all components that pertain to this application by November 12, 2019.

Note: We require a written (mail/email) response from each of our review agencies in order to process this application.

You may contact Lynn Winfield, Licensing Coordinator by phone at 902-875-7440 or email Lynn.Winfield@novascotia.ca if you have any questions.

On Apr 20, 2020, at 12:53 PM, Winfield, Lynn <Lynn.Winfield@novascotia.ca> wrote:

Good Afternoon,

Please see attached information related to the We'koqma'q Frist Nation aquaculture applications for AQ#0814, AQ#1430 and AQ#1431 in Whycocomagh Bay, Inverness County, NS.

Should you have any questions, please do not hesitate to let me know.

Thanks,
Lynn

E. Lynn Winfield
Licensing Coordinator,
Nova Scotia Department of Fisheries and Aquaculture

<image001.png>

1575 Lake Road
Shelburne, NS B0T 1W0
Phone: 902-875-7440
Fax: 902-875-7429
Email: Lynn.Winfield@novascotia.ca

NS Department of Fisheries & Aquaculture Website

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NOVA SCOTIA
Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Deborah Robinson
Acadia First Nation
10526 Highway #3
Yarmouth, Nova Scotia
B5A 5J7

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

1. Description of the Project;
2. Summary of Consultation Screening;
3. Provincial Approval Requirements;
4. Consultation with the Mi'kmaq of Nova Scotia;

Description of the Project

The applicant, We'koqma'q First Nation has submitted an application for a boundary amendment to aquaculture license and lease AQ#0814, for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County. The request is to increase the size of the lease from approximately 1.39 hectares to approximately 65.53 hectares.

We'koqma'q First Nation has also submitted two new marine aquaculture license and lease applications for AQ#1430 and AQ#1431, for the Marine Finfish cage cultivation of Rainbow trout. Site No. #1430 is located in North Aberdeen, Whycocomagh Bay, Inverness County. Site No. #1431 is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application Nos. 1430 and 1431. In the event that application Nos. 1430 and 1431 are approved, Licence and Lease No. 5010 will be discontinued.
Applications Nos. #0814, #1430, and #1431 are part of We'koqma'q First Nation's larger plan to expand aquaculture in Whycocomagh Bay. The expansion plan will increase production capacity to over 1,000,000 fish per year.

A copy of the application and development plan has been posted online to the department's website and can be accessed using the following website address:
https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_Protected_-_2020.04.15.pdf

Summary of Consultation Screening for Application No. 0814

The Province has screened Aquaculture Licence and Lease Amendment Application No. AQ#0814 and considers it to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project site is located approximately 3 km from We'koqma'q First Nation Reserve 2 and has the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there are 5 archaeology sites of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

It is not anticipated that any additional provincial permits, authorizations, and/or approvals will be required for this project to proceed.

It is anticipated that the Proponent may require Federal approvals.

Transport Canada has been informed of these applications, as site-specific authorizations under the *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada

Fisheries and Oceans Canada has been informed of this application. Should the application be approved, the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and the Species at Risk Act.

Consultation with the Mi'kmaq of Nova Scotia

The Nova Scotia Department of Fisheries and Aquaculture will lead Aboriginal consultation at the provincial level and coordinate the process with any departments (provincial or federal) that will be involved. While OAA coordinates the overall consultation process, the department responsible for

Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq will be kept informed.

The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultation on these files, and can coordinate any meetings involving federal and provincial partners if required.

We would like to hear from the Mi'kmaq of Nova Scotia about the details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this particular project. We require a response concerning this project by June 18, 2020.

Please note that Sipekne'katik First Nation and Millbrook First Nation have been informed about this project.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

Cc:

Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaq Chiefs
Twila Gaudet, Consultation Liaison Officer - Kwilmu'kw Maw'klusuaqn Negotiation Office
Claire Rillie, Nova Scotia Office of Aboriginal Affairs
Linda Babineau-LeBlanc, Aboriginal Consultation Officer, Transport Canada
Edward Parker, Senior Advisor, Aquaculture Management, Fisheries and Oceans Canada

NOVA SCOTIA
Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Gerald (Jerry) Toney
Annapolis Valley First Nation
29 Toney Blvd
Cambridge Station, Nova Scotia
B0P 1G0

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

1. Description of the Project;
2. Summary of Consultation Screening;
3. Provincial Approval Requirements;
4. Consultation with the Mi'kmaq of Nova Scotia;

Description of the Project

The applicant, We'koqma'q First Nation has submitted an application for a boundary amendment to aquaculture license and lease AQ#0814, for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County. The request is to increase the size of the lease from approximately 1.39 hectares to approximately 65.53 hectares.

We'koqma'q First Nation has also submitted two new marine aquaculture license and lease applications for AQ#1430 and AQ#1431, for the Marine Finfish cage cultivation of Rainbow trout. Site No. #1430 is located in North Aberdeen, Whycocomagh Bay, Inverness County. Site No. #1431 is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application Nos. 1430 and 1431. In the event that application Nos. 1430 and 1431 are approved, Licence and Lease No. 5010 will be discontinued.
Applications Nos. #0814, #1430, and #1431 are part of We'koqma'q First Nation's larger plan to expand aquaculture in Whycocomagh Bay. The expansion plan will increase production capacity to over 1,000,000 fish per year.

A copy of the application and development plan has been posted online to the department's website and can be accessed using the following website address:
https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_Protected_-_2020.04.15.pdf

Summary of Consultation Screening for Application No. 0814

The Province has screened Aquaculture Licence and Lease Amendment Application No. AQ#0814 and considers it to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project site is located approximately 3 km from We'koqma'q First Nation Reserve 2 and has the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there are 5 archaeology sites of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

It is not anticipated that any additional provincial permits, authorizations, and/or approvals will be required for this project to proceed.

It is anticipated that the Proponent may require Federal approvals.

Transport Canada has been informed of these applications, as site-specific authorizations under the *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada

Fisheries and Oceans Canada has been informed of this application. Should the application be approved, the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and the Species at Risk Act.

Consultation with the Mi'kmaq of Nova Scotia

The Nova Scotia Department of Fisheries and Aquaculture will lead Aboriginal consultation at the provincial level and coordinate the process with any departments (provincial or federal) that will be involved. While OAA coordinates the overall consultation process, the department responsible for

Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq will be kept informed.

The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultation on these files, and can coordinate any meetings involving federal and provincial partners if required.

We would like to hear from the Mi'kmaq of Nova Scotia about the details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this particular project. We require a response concerning this project by June 18, 2020.

Please note that Sipekne'katik First Nation and Millbrook First Nation have been informed about this project.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

Cc:

Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaq Chiefs
Twila Gaudet, Consultation Liaison Officer - Kwilmu'kw Maw'klusuaqn Negotiation Office
Claire Rillie, Nova Scotia Office of Aboriginal Affairs
Linda Babineau-LeBlanc, Aboriginal Consultation Officer, Transport Canada
Edward Parker, Senior Advisor, Aquaculture Management, Fisheries and Oceans Canada

NOVA SCOTIA
Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Leroy D.C. Denny
Eskasoni Frist Nation
PO Box 7040
63 Mimi Mall Drive
Eskasoni, Nova Scotia
B1W 1A1

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

1. Description of the Project;
2. Summary of Consultation Screening;
3. Provincial Approval Requirements;
4. Consultation with the Mi'kmaq of Nova Scotia;

Description of the Project

The applicant, We'koqma'q First Nation has submitted an application for a boundary amendment to aquaculture license and lease AQ#0814, for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County. The request is to increase the size of the lease from approximately 1.39 hectares to approximately 65.53 hectares.

We'koqma'q First Nation has also submitted two new marine aquaculture license and lease applications for AQ#1430 and AQ#1431, for the Marine Finfish cage cultivation of Rainbow trout. Site No. #1430 is located in North Aberdeen, Whycocomagh Bay, Inverness County. Site No. #1431 is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application Nos. 1430 and 1431. In the event that application Nos. 1430 and 1431 are approved, Licence and Lease No. 5010 will be discontinued.
Applications Nos. #0814, #1430, and #1431 are part of We'koqma'q First Nation's larger plan to expand aquaculture in Whycocomagh Bay. The expansion plan will increase production capacity to over 1,000,000 fish per year.

A copy of the application and development plan has been posted online to the department's website and can be accessed using the following website address:
https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_Protected_-_2020.04.15.pdf

Summary of Consultation Screening for Application No. 0814

The Province has screened Aquaculture Licence and Lease Amendment Application No. AQ#0814 and considers it to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project site is located approximately 3 km from We'koqma'q First Nation Reserve 2 and has the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there are 5 archaeology sites of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

It is not anticipated that any additional provincial permits, authorizations, and/or approvals will be required for this project to proceed.

It is anticipated that the Proponent may require Federal approvals.

Transport Canada has been informed of these applications, as site-specific authorizations under the *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada

Fisheries and Oceans Canada has been informed of this application. Should the application be approved, the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and the Species at Risk Act.

Consultation with the Mi'kmaq of Nova Scotia

The Nova Scotia Department of Fisheries and Aquaculture will lead Aboriginal consultation at the provincial level and coordinate the process with any departments (provincial or federal) that will be involved. While OAA coordinates the overall consultation process, the department responsible for

Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq will be kept informed.

The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultation on these files, and can coordinate any meetings involving federal and provincial partners if required.

We would like to hear from the Mi'kmaq of Nova Scotia about the details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this particular project. We require a response concerning this project by June 18, 2020.

Please note that Sipekne'katik First Nation and Millbrook First Nation have been informed about this project.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

Cc:

Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaq Chiefs
Twila Gaudet, Consultation Liaison Officer - Kwilmu'kw Maw'klusuaqn Negotiation Office
Claire Rillie, Nova Scotia Office of Aboriginal Affairs
Linda Babineau-LeBlanc, Aboriginal Consultation Officer, Transport Canada
Edward Parker, Senior Advisor, Aquaculture Management, Fisheries and Oceans Canada

NOVA SCOTIA
Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Sidney Peters
Glooscap First Nation
159 Smith Road
Hantsport, Nova Scotia
B0P 1P0

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

1. Description of the Project;
2. Summary of Consultation Screening;
3. Provincial Approval Requirements;
4. Consultation with the Mi'kmaq of Nova Scotia;

Description of the Project

The applicant, We'koqma'q First Nation has submitted an application for a boundary amendment to aquaculture license and lease AQ#0814, for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County. The request is to increase the size of the lease from approximately 1.39 hectares to approximately 65.53 hectares.

We'koqma'q First Nation has also submitted two new marine aquaculture license and lease applications for AQ#1430 and AQ#1431, for the Marine Finfish cage cultivation of Rainbow trout. Site No. #1430 is located in North Aberdeen, Whycocomagh Bay, Inverness County. Site No. #1431 is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application Nos. 1430 and 1431. In the event that application Nos. 1430 and 1431 are approved, Licence and Lease No. 5010 will be discontinued.
Applications Nos. #0814, #1430, and #1431 are part of We'koqma'q First Nation's larger plan to expand aquaculture in Whycocomagh Bay. The expansion plan will increase production capacity to over 1,000,000 fish per year.

A copy of the application and development plan has been posted online to the department's website and can be accessed using the following website address:
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Summary of Consultation Screening for Application No. 0814

The Province has screened Aquaculture Licence and Lease Amendment Application No. AQ#0814 and considers it to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project site is located approximately 3 km from We'koqma'q First Nation Reserve 2 and has the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there are 5 archaeology sites of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

It is not anticipated that any additional provincial permits, authorizations, and/or approvals will be required for this project to proceed.

It is anticipated that the Proponent may require Federal approvals.

Transport Canada has been informed of these applications, as site-specific authorizations under the *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada

Fisheries and Oceans Canada has been informed of this application. Should the application be approved, the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and the Species at Risk Act.

Consultation with the Mi'kmaq of Nova Scotia

The Nova Scotia Department of Fisheries and Aquaculture will lead Aboriginal consultation at the provincial level and coordinate the process with any departments (provincial or federal) that will be involved. While OAA coordinates the overall consultation process, the department responsible for

Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq will be kept informed.

The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultation on these files, and can coordinate any meetings involving federal and provincial partners if required.

We would like to hear from the Mi'kmaq of Nova Scotia about the details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this particular project. We require a response concerning this project by June 18, 2020.

Please note that Sipekne'katik First Nation and Millbrook First Nation have been informed about this project.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

Cc:

Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaq Chiefs
Twila Gaudet, Consultation Liaison Officer - Kwilmu'kw Maw'klusuaqn Negotiation Office
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NOVA SCOTIA
Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Carol Dee Potter
L'sitkuk (Bear River)
130 Reservation Road
Bear River, Nova Scotia
B0S 1B0

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

1. Description of the Project;
2. Summary of Consultation Screening;
3. Provincial Approval Requirements;
4. Consultation with the Mi'kmaq of Nova Scotia;

Description of the Project

The applicant, We'koqma'q First Nation has submitted an application for a boundary amendment to aquaculture license and lease AQ#0814, for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County. The request is to increase the size of the lease from approximately 1.39 hectares to approximately 65.53 hectares.

We'koqma'q First Nation has also submitted two new marine aquaculture license and lease applications for AQ#1430 and AQ#1431, for the Marine Finfish cage cultivation of Rainbow trout. Site No. #1430 is located in North Aberdeen, Whycocomagh Bay, Inverness County. Site No. #1431 is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application Nos. 1430 and 1431. In the event that application Nos. 1430 and 1431 are approved, Licence and Lease No. 5010 will be discontinued.
Applications Nos. #0814, #1430, and #1431 are part of We'koqma'q First Nation's larger plan to expand aquaculture in Whycocomagh Bay. The expansion plan will increase production capacity to over 1,000,000 fish per year.

A copy of the application and development plan has been posted online to the department's website and can be accessed using the following website address:
https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_Protected_-_2020.04.15.pdf

Summary of Consultation Screening for Application No. 0814

The Province has screened Aquaculture Licence and Lease Amendment Application No. AQ#0814 and considers it to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project site is located approximately 3 km from We'koqma'q First Nation Reserve 2 and has the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there are 5 archaeology sites of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

It is not anticipated that any additional provincial permits, authorizations, and/or approvals will be required for this project to proceed.

It is anticipated that the Proponent may require Federal approvals.

Transport Canada has been informed of these applications, as site-specific authorizations under the *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada

Fisheries and Oceans Canada has been informed of this application. Should the application be approved, the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and the Species at Risk Act.

Consultation with the Mi'kmaq of Nova Scotia

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The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultation on these files, and can coordinate any meetings involving federal and provincial partners if required.

We would like to hear from the Mi'kmaq of Nova Scotia about the details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this particular project. We require a response concerning this project by June 18, 2020.

Please note that Sipekne'katik First Nation and Millbrook First Nation have been informed about this project.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

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Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaq Chiefs
Twila Gaudet, Consultation Liaison Officer - Kwilmu'kw Maw'klusuaqn Negotiation Office
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Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Terrance J. Paul
Membertou First Nation
111 Membertou Street
Membertou, Nova Scotia
B1S 2M9

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on an **application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

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2. Summary of Consultation Screening;
3. Provincial Approval Requirements;
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Description of the Project

The applicant, We'koqma'q First Nation has submitted an application for a boundary amendment to aquaculture license and lease AQ#0814, for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County. The request is to increase the size of the lease from approximately 1.39 hectares to approximately 65.53 hectares.

We'koqma'q First Nation has also submitted two new marine aquaculture license and lease applications for AQ#1430 and AQ#1431, for the Marine Finfish cage cultivation of Rainbow trout. Site No. #1430 is located in North Aberdeen, Whycocomagh Bay, Inverness County. Site No. #1431 is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application Nos. 1430 and 1431. In the event that application Nos. 1430 and 1431 are approved, Licence and Lease No. 5010 will be discontinued.
Applications Nos. #0814, #1430, and #1431 are part of We'koqma'q First Nation's larger plan to expand aquaculture in Whycocomagh Bay. The expansion plan will increase production capacity to over 1,000,000 fish per year.

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Summary of Consultation Screening for Application No. 0814

The Province has screened Aquaculture Licence and Lease Amendment Application No. AQ#0814 and considers it to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project site is located approximately 3 km from We'koqma'q First Nation Reserve 2 and has the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there are 5 archaeology sites of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

It is not anticipated that any additional provincial permits, authorizations, and/or approvals will be required for this project to proceed.

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Transport Canada has been informed of these applications, as site-specific authorizations under the *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada

Fisheries and Oceans Canada has been informed of this application. Should the application be approved, the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and the Species at Risk Act.

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Sincerely,

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Robert Ceschiutti
Manager, Licensing & Leasing

Cc:

Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaq Chiefs
Twila Gaudet, Consultation Liaison Officer - Kwilmu'kw Maw'klusuaqn Negotiation Office
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NOVA SCOTIA
Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Robert Gloade
Millbrook First Nation
PO Box 634
Truro, Nova Scotia
B2N 5E5

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

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Summary of Consultation Screening for Application No. 0814

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Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

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We would like to hear from the Mi'kmaq of Nova Scotia about the details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this particular project. We require a response concerning this project by June 18, 2020.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

Cc:
Gerald Gloade, Consultation Coordinaotr
Shelly Martin, Solicitor
Claire Rillie, Nova Scotia Office of Aboriginal Affairs
Linda Babineau-LeBlanc, Aboriginal Consultation Officer, Transport Canada
Edward Parker, Senior Advisor, Aquaculture Management, Fisheries and Oceans Canada

NOVA SCOTIA
Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Paul J. Prosper
Paqtnkek Mi'kmaw Nation
7 Dillon Street
Afton Station, Nova Scotia
B0A 1A0

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

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3. Provincial Approval Requirements;
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Description of the Project

The applicant, We'koqma'q First Nation has submitted an application for a boundary amendment to aquaculture license and lease AQ#0814, for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County. The request is to increase the size of the lease from approximately 1.39 hectares to approximately 65.53 hectares.

We'koqma'q First Nation has also submitted two new marine aquaculture license and lease applications for AQ#1430 and AQ#1431, for the Marine Finfish cage cultivation of Rainbow trout. Site No. #1430 is located in North Aberdeen, Whycocomagh Bay, Inverness County. Site No. #1431 is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application Nos. 1430 and 1431. In the event that application Nos. 1430 and 1431 are approved, Licence and Lease No. 5010 will be discontinued.
Applications Nos. #0814, #1430, and #1431 are part of We'koqma'q First Nation's larger plan to expand aquaculture in Whycocomagh Bay. The expansion plan will increase production capacity to over 1,000,000 fish per year.

A copy of the application and development plan has been posted online to the department's website and can be accessed using the following website address:
https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_Protected_-_2020.04.15.pdf

Summary of Consultation Screening for Application No. 0814

The Province has screened Aquaculture Licence and Lease Amendment Application No. AQ#0814 and considers it to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project site is located approximately 3 km from We'koqma'q First Nation Reserve 2 and has the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there are 5 archaeology sites of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

It is not anticipated that any additional provincial permits, authorizations, and/or approvals will be required for this project to proceed.

It is anticipated that the Proponent may require Federal approvals.

Transport Canada has been informed of these applications, as site-specific authorizations under the *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada

Fisheries and Oceans Canada has been informed of this application. Should the application be approved, the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and the Species at Risk Act.

Consultation with the Mi'kmaq of Nova Scotia

The Nova Scotia Department of Fisheries and Aquaculture will lead Aboriginal consultation at the provincial level and coordinate the process with any departments (provincial or federal) that will be involved. While OAA coordinates the overall consultation process, the department responsible for

Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq will be kept informed.

The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultation on these files, and can coordinate any meetings involving federal and provincial partners if required.

We would like to hear from the Mi'kmaq of Nova Scotia about the details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this particular project. We require a response concerning this project by June 18, 2020.

Please note that Sipekne'katik First Nation and Millbrook First Nation have been informed about this project.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

Cc:

Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaq Chiefs
Twila Gaudet, Consultation Liaison Officer - Kwilmu'kw Maw'klusuaqn Negotiation Office
Claire Rillie, Nova Scotia Office of Aboriginal Affairs
Linda Babineau-LeBlanc, Aboriginal Consultation Officer, Transport Canada
Edward Parker, Senior Advisor, Aquaculture Management, Fisheries and Oceans Canada

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1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Andrea Paul
Pictou Landing First Nation
RR#2 Box 55 Site 6
43 Maple Street
Trenton, Nova Scotia
B0K 1X0

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

1. Description of the Project;
2. Summary of Consultation Screening;
3. Provincial Approval Requirements;
4. Consultation with the Mi'kmaq of Nova Scotia;

Description of the Project

The applicant, We'koqma'q First Nation has submitted an application for a boundary amendment to aquaculture license and lease AQ#0814, for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County. The request is to increase the size of the lease from approximately 1.39 hectares to approximately 65.53 hectares.

We'koqma'q First Nation has also submitted two new marine aquaculture license and lease applications for AQ#1430 and AQ#1431, for the Marine Finfish cage cultivation of Rainbow trout. Site No. #1430 is located in North Aberdeen, Whycocomagh Bay, Inverness County. Site No. #1431 is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application Nos. 1430 and 1431. In the event that application Nos. 1430 and 1431 are approved, Licence and Lease No. 5010 will be discontinued.
Applications Nos. #0814, #1430, and #1431 are part of We'koqma'q First Nation's larger plan to expand aquaculture in Whycocomagh Bay. The expansion plan will increase production capacity to over 1,000,000 fish per year.

A copy of the application and development plan has been posted online to the department's website and can be accessed using the following website address:
https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_Protected_-_2020.04.15.pdf

Summary of Consultation Screening for Application No. 0814

The Province has screened Aquaculture Licence and Lease Amendment Application No. AQ#0814 and considers it to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project site is located approximately 3 km from We'koqma'q First Nation Reserve 2 and has the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there are 5 archaeology sites of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

It is not anticipated that any additional provincial permits, authorizations, and/or approvals will be required for this project to proceed.

It is anticipated that the Proponent may require Federal approvals.

Transport Canada has been informed of these applications, as site-specific authorizations under the *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada

Fisheries and Oceans Canada has been informed of this application. Should the application be approved, the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and the Species at Risk Act.

Consultation with the Mi'kmaq of Nova Scotia

The Nova Scotia Department of Fisheries and Aquaculture will lead Aboriginal consultation at the provincial level and coordinate the process with any departments (provincial or federal) that will be involved. While OAA coordinates the overall consultation process, the department responsible for

Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq will be kept informed.

The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultation on these files, and can coordinate any meetings involving federal and provincial partners if required.

We would like to hear from the Mi'kmaq of Nova Scotia about the details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this particular project. We require a response concerning this project by June 18, 2020.

Please note that Sipekne'katik First Nation and Millbrook First Nation have been informed about this project.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

Cc:

Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaq Chiefs
Twila Gaudet, Consultation Liaison Officer - Kwilmu'kw Maw'klusuaqn Negotiation Office
Claire Rillie, Nova Scotia Office of Aboriginal Affairs
Linda Babineau-LeBlanc, Aboriginal Consultation Officer, Transport Canada
Edward Parker, Senior Advisor, Aquaculture Management, Fisheries and Oceans Canada

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Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Wilbert Marshall
Potlotek (Chapel Island) First Nation
12004 Nova Scotia 4
St. Peter's, Nova Scotia
B0E 3B0

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

1. Description of the Project;
2. Summary of Consultation Screening;
3. Provincial Approval Requirements;
4. Consultation with the Mi'kmaq of Nova Scotia;

Description of the Project

The applicant, We'koqma'q First Nation has submitted an application for a boundary amendment to aquaculture license and lease AQ#0814, for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County. The request is to increase the size of the lease from approximately 1.39 hectares to approximately 65.53 hectares.

We'koqma'q First Nation has also submitted two new marine aquaculture license and lease applications for AQ#1430 and AQ#1431, for the Marine Finfish cage cultivation of Rainbow trout. Site No. #1430 is located in North Aberdeen, Whycocomagh Bay, Inverness County. Site No. #1431 is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application Nos. 1430 and 1431. In the event that application Nos. 1430 and 1431 are approved, Licence and Lease No. 5010 will be discontinued.
Applications Nos. #0814, #1430, and #1431 are part of We'koqma'q First Nation's larger plan to expand aquaculture in Whycocomagh Bay. The expansion plan will increase production capacity to over 1,000,000 fish per year.

A copy of the application and development plan has been posted online to the department's website and can be accessed using the following website address:
https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_Protected_-_2020.04.15.pdf

Summary of Consultation Screening for Application No. 0814

The Province has screened Aquaculture Licence and Lease Amendment Application No. AQ#0814 and considers it to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project site is located approximately 3 km from We'koqma'q First Nation Reserve 2 and has the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there are 5 archaeology sites of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

It is not anticipated that any additional provincial permits, authorizations, and/or approvals will be required for this project to proceed.

It is anticipated that the Proponent may require Federal approvals.

Transport Canada has been informed of these applications, as site-specific authorizations under the *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada

Fisheries and Oceans Canada has been informed of this application. Should the application be approved, the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and the Species at Risk Act.

Consultation with the Mi'kmaq of Nova Scotia

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Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq will be kept informed.

The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultation on these files, and can coordinate any meetings involving federal and provincial partners if required.

We would like to hear from the Mi'kmaq of Nova Scotia about the details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this particular project. We require a response concerning this project by June 18, 2020.

Please note that Sipekne'katik First Nation and Millbrook First Nation have been informed about this project.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

Cc:

Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaq Chiefs
Twila Gaudet, Consultation Liaison Officer - Kwilmu'kw Maw'klusuaqn Negotiation Office
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Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Michael P. Sack
Sipekne'katik First Nation
522 Church Street
Indian Brook, Nova Scotia
B0N 1W0

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

1. Description of the Project;
2. Summary of Consultation Screening;
3. Provincial Approval Requirements;
4. Consultation with the Mi'kmaq of Nova Scotia;

Description of the Project

The applicant, We'koqma'q First Nation has submitted an application for a boundary amendment to aquaculture license and lease AQ#0814, for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County. The request is to increase the size of the lease from approximately 1.39 hectares to approximately 65.53 hectares.

We'koqma'q First Nation has also submitted two new marine aquaculture license and lease applications for AQ#1430 and AQ#1431, for the Marine Finfish cage cultivation of Rainbow trout. Site No. #1430 is located in North Aberdeen, Whycocomagh Bay, Inverness County. Site No. #1431 is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application Nos. 1430 and 1431. In the event that application Nos. 1430 and 1431 are approved, Licence and Lease No. 5010 will be discontinued.
Applications Nos. #0814, #1430, and #1431 are part of We'koqma'q First Nation's larger plan to expand aquaculture in Whycocomagh Bay. The expansion plan will increase production capacity to over 1,000,000 fish per year.

A copy of the application and development plan has been posted online to the department's website and can be accessed using the following website address:
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Summary of Consultation Screening for Application No. 0814

The Province has screened Aquaculture Licence and Lease Amendment Application No. AQ#0814 and considers it to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project site is located approximately 3 km from We'koqma'q First Nation Reserve 2 and has the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there are 5 archaeology sites of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

It is not anticipated that any additional provincial permits, authorizations, and/or approvals will be required for this project to proceed.

It is anticipated that the Proponent may require Federal approvals.

Transport Canada has been informed of these applications, as site-specific authorizations under the *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada

Fisheries and Oceans Canada has been informed of this application. Should the application be approved, the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and the Species at Risk Act.

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involved. While OAA coordinates the overall consultation process, the department responsible for Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq will be kept informed.

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We would like to hear from the Mi'kmaq of Nova Scotia about the details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this particular project. We require a response concerning this project by June 18, 2020.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

Cc:
Jennifer Copage, Consultation Coordinaotr
James Michael, Legal Counsel
Claire Rillie, Nova Scotia Office of Aboriginal Affairs
Linda Babineau-LeBlanc, Aboriginal Consultation Officer, Transport Canada
Edward Parker, Senior Advisor, Aquaculture Management, Fisheries and Oceans Canada

NOVA SCOTIA
Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Norman Bernard
Wagmatcook First Nation
PO Box 30001
75 Humes Rear Road
Wagmatcook, Nova Scotia
B0E 3N0

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

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2. Summary of Consultation Screening;
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Summary of Consultation Screening for Application No. 0814

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Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

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Please note that Sipekne'katik First Nation and Millbrook First Nation have been informed about this project.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

Cc:

Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaq Chiefs
Twila Gaudet, Consultation Liaison Officer - Kwilmu'kw Maw'klusuaqn Negotiation Office
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NOVA SCOTIA
Fisheries and Aquaculture

1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0

novascotia.ca

April 20, 2020

Chief Roderick Googoo
We'koqma'q First Nation
PO Box 149
150 Reservation Road
Waycobah, Nova Scotia
B0E 3M0

Dear Chief and Council:

RE: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, #AQ1431.

The purpose of this letter is to initiate consultation on **an application for an Adjudicative Amendment to Aquaculture licence and lease AQ#0814, as well as two new marine aquaculture license and lease applications AQ#1430 and AQ#1431** with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference, and to provide information about:

1. Description of the Project;
2. Summary of Consultation Screening;
3. Provincial Approval Requirements;
4. Consultation with the Mi'kmaq of Nova Scotia;

Description of the Project

The applicant, We'koqma'q First Nation has submitted an application for a boundary amendment to aquaculture license and lease AQ#0814, for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon. The site is located in Whycocomagh Bay, Inverness County. The request is to increase the size of the lease from approximately 1.39 hectares to approximately 65.53 hectares.

We'koqma'q First Nation has also submitted two new marine aquaculture license and lease applications for AQ#1430 and AQ#1431, for the Marine Finfish cage cultivation of Rainbow trout. Site No. #1430 is located in North Aberdeen, Whycocomagh Bay, Inverness County. Site No. #1431 is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application Nos. 1430 and 1431. In the event that application Nos. 1430 and 1431 are approved, Licence and Lease No. 5010 will be discontinued.
Applications Nos. #0814, #1430, and #1431 are part of We'koqma'q First Nation's larger plan to expand aquaculture in Whycocomagh Bay. The expansion plan will increase production capacity to over 1,000,000 fish per year.

A copy of the application and development plan has been posted online to the department's website and can be accessed using the following website address:
https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_Protected_-_2020.04.15.pdf

Summary of Consultation Screening for Application No. 0814

The Province has screened Aquaculture Licence and Lease Amendment Application No. AQ#0814 and considers it to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project site is located approximately 3 km from We'koqma'q First Nation Reserve 2 and has the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there are 5 archaeology sites of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

Summary of Consultation Screening for Application Nos. 1430 and 1431

The Province has screened Aquaculture Licence and Lease Amendment Application Nos. AQ#1430 and AQ#1431 and considers them to potentially have impacts to Aboriginal and treaty rights at the moderate level. The proposed project sites are located approximately 10 km from We'koqma'q First Nation Reserve 2 and have the potential to impact wildlife that may be of concern to the Mi'kmaq. Moreover, as identified by Communities, Culture and Heritage (CCH) there is one archaeology site of known Mi'kmaq origin located within 5 km of the aquaculture site. Furthermore, the Bras D'Or Lakes are a culturally significant area to the Mi'kmaq, and Whycocomagh and Whycocomagh Bay are recognized areas of cultural, recreational, and social significance.

The Province welcomes receiving additional information from you that may better inform our understanding of your Aboriginal and Treaty Rights.

Provincial Approval Requirements

It is not anticipated that any additional provincial permits, authorizations, and/or approvals will be required for this project to proceed.

It is anticipated that the Proponent may require Federal approvals.

Transport Canada has been informed of these applications, as site-specific authorizations under the *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada

Fisheries and Oceans Canada has been informed of this application. Should the application be approved, the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and the Species at Risk Act.

Consultation with the Mi'kmaq of Nova Scotia

The Nova Scotia Department of Fisheries and Aquaculture will lead Aboriginal consultation at the provincial level and coordinate the process with any departments (provincial or federal) that will be involved. While OAA coordinates the overall consultation process, the department responsible for

Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq will be kept informed.

The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultation on these files, and can coordinate any meetings involving federal and provincial partners if required.

We would like to hear from the Mi'kmaq of Nova Scotia about the details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this particular project. We require a response concerning this project by June 18, 2020.

Please note that Sipekne'katik First Nation and Millbrook First Nation have been informed about this project.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing & Leasing

Cc:

Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaq Chiefs
Twila Gaudet, Consultation Liaison Officer - Kwilmu'kw Maw'klusuaqn Negotiation Office
Claire Rillie, Nova Scotia Office of Aboriginal Affairs
Linda Babineau-LeBlanc, Aboriginal Consultation Officer, Transport Canada
Edward Parker, Senior Advisor, Aquaculture Management, Fisheries and Oceans Canada

Winfield, Lynn

From: consultation@sipeknekatik.ca
Sent: June 3, 2020 9:01 AM
To: Winfield, Lynn
Cc: Rillie, Claire Z
Subject: Consultation on Aquaculture Licence and Lease Applications
Attachments: NSFA.LeaseWFN.Ju20.pdf

** EXTERNAL EMAIL / COURRIEL EXTERNE **
Exercise caution when opening attachments or clicking on links / Faites preuve de prudence si vous ouvrez une pièce jointe ou cliquez sur un lien

Good morning,

Please see attached letter on behalf of Sipekne'katik.

Keep well,

Jennifer Copage

Consultation Coordinator, Sipekne'katik

NSFA.LeaseWFN.Ju20

SIPEKNE'KATIK
522 Church Street
Indian Brook, NS
B0N 1W0

Tel: 902.758.2049
Fax: 902.758.2017

Nova Scotia Fisheries and Aquaculture
Robert Ceschiutti, Manager
Licensing & Leasing
1575 Lake Road
Shelburne, NS B0T1W0

JUN 0 2 2020

By Email: lynn.winfield@novascotia.ca (original by mail)

Re: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, AQ#1431

Dear Robert Ceschiutti,

This letter is further to our email acknowledgement sent April 27, 2020 and in response to your letter dated April 20, 2020. A response is requested by June 5, 2020 outlining details of any asserted Aboriginal or Treaty rights that could be adversely impacted by the project.

Our current capacity to address consultation is limited. To enable meaningful consultation, capacity is required to participate in formal on the record consultation. Specifically, adequate funding is required to engage staff, undertake studies, undertake meetings, review documents, etc. to address on-going provincial government consultation requests.

Due to capacity reasons, Sipekne'katik is unable participate in consultation activities for this project.

Please note, Sipekne'katik is supportive of We'koqma'q First Nation's proposed activities for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon located in Whycocomagh Bay, Inverness County.

Sincerely,

[redacted]

Chief Michael P. Sack

CC. by email:
Claire Rillie, Consultation Advisor, Nova Scotia Office of Aboriginal Affairs
Sipekne'katik Consultation (consultation@sipeknekatik.ca)

From: Mise'l Abram <MAbram@mikmaqrights.com>
Sent: June 16, 2020 2:23 PM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Tamara Young <tyoung@mikmaqrights.com>; Rillie, Claire Z <Claire.Rillie@novascotia.ca>; linda.babineau-leblanc@tc.gc.ca; Edward.Parker@dfo-mpo.gc.ca
Subject: Re: Aquaculture Licence and Lease Application 0814, 1430, 1431.

** EXTERNAL EMAIL / COURRIEL EXTERNE **
Exercise caution when opening attachments or clicking on links / Faites preuve de prudence si vous ouvrez une pièce jointe ou cliquez sur un lien

Kwe Robert,

Please see attached the signed correspondence regarding "Consultation with the Assembly of Nova Scotia Mi'kmaw Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, AQ#1431.".

Wela'lin,
Mise'l Abram
Consultation, Administrative Support

Kwilmu'kw Maw-klusuaqn
Mi'kmaq Rights Initiative

Kwilmu'kw Maw-Klusuaqn Negotiation Office
Mi'kmaq Rights Initiative
75 Treaty Trail
Truro, Nova Scotia
B6L 1W3

P: 902-843-3880
F: 902-843-3882
C: 902-305-3139

www.mikmaqrights.com

This email and any files transmitted with it contains information that is privileged, confidential and under the protection of the February 23, 2007 Mi'kmaq-Nova Scotia-Canada Framework Agreement. This message is intended solely for the use of the individual or entity to whom it is addressed. Any unauthorized use, copying, review or disclosure is prohibited. If received in error, please notify the sender immediately by email and delete this message from your system. Thank you for your cooperation.

2020-06-15 KMKNO to NSDFA re Aquacu

Kwilmu'kw Maw-klusuaqn Negotiation Office
Mi'kmaq Rights Initiative

Our Rights. Our Future.

75 Treaty Trail
Truro, NS B6L 1W3

Tel (902) 843 3880 **Fax** (902) 843 3882
Toll Free 1 888 803 3880
Email info@mikmaqrights.com
www.mikmaqrights.com

June 15, 2020

Robert Ceschiutti
Manager, Licensing and Leasing
Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS B0T 1W0

Email: Robert.Ceschiutti@novascotia.ca

Re: Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#0814, AQ#1430, AQ#1431.

Mr. Robert Ceschiutti,

I write to acknowledge your letter dated April 20, 2020 on the above noted. I wish to advise you the Mi'kmaq do not wish to consult on these applications.

KMKNO will work with We'koqma'q First Nation directly to address any potential concerns and/or mitigation.

Yours in Recognition of Mi'kmaq Rights and Title.

[redacted]

Twila Gaudet, BA, LL. B., Director of Consultation
Kwilmu'kw Maw-Klusuaqn Negotiation Office

cc: Claire Rillie,
Nova Scotia Office of Aboriginal Affairs

Linda Babineau-LeBlanc, Aboriginal Consultation Officer,
Transport Canada

Edward Parker, Senior Advisor, Aquaculture Management,
Fisheries and Oceans Canada

From: Greenwood, Megan N
Sent: March 29, 2021 1:55 PM
To: Rillie, Claire Z <Claire.Rillie@novascotia.ca>; Marshman, Kendra Alair <Kendra.Marshman@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1430 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1430 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in North Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by April 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-OLA
Network Memo Ame

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
novascotia.ca

MEMORANDUM

To: Office of L'nu Affairs

From: Robert Ceschiutti, Aquaculture Administrator
Nova Scotia Department of Fisheries and Aquaculture

CC: Matthew King, GIS Analyst
Nathaniel Feindel, Manager of Aquaculture Development
Nicole Sampson, Coastal Resource Coordinator

Date: March 29, 2021

RE: Amended Information for New Aquaculture Licence and Lease Application No. 1430 – Inverness County - Aquaculture Network Review

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Attention network agencies, We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1430 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in North Aberdeen, Whycocomagh Bay, Inverness County.

Please find attached information relating to the following aquaculture Marine Finfish application:

Application No.:	1430
Proponent:	We'koqma'q First Nation
Application Type:	Application for Marine Cage Cultivation of Rainbow Trout
Location:	North Aberdeen, Whycocomagh Bay, Inverness County

To facilitate the screening process, NSDFA offers the following points of information:

1. The complete application package is available online at: https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_-_2021.03.22.pdf
2. Following the review of the application by our Network Partners, this application will be provided to the Aquaculture Review Board for final decision;
3. The amended development plan represents an increase in production amounts and change in cage configuration (i.e. larger cages, but fewer cages and arrays);
4. The amended plan does not include a change in boundaries;
5. In reference to the September 9, 2020 letter accompanying the amended Development Plan, depositional modelling is required under Fisheries and Ocean Canada's Aquaculture Activities Regulations and has been submitted to the respective department;
6. The applicant is making a revised application to Transport Canada for an authorization under the Navigation Protection Act for the placement of marine cages;

7. Experimental Aquaculture Licence and Lease No. 5010 is currently issued for a portion of the area associated with application No. 1430, should AQ#1430 be approved, AQ#5010 will be discontinued.

NSDFA recognizes the Mi'kmaq Treaty Rights and interest of the Mi'kmq communities in aquaculture development.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by April 29, 2021.

Note: We require a written (mail/email) response from each of our review agencies in order to process this application.

You may contact me at by phone at 902-875-7443 or email Megan.Greenwood@novascotia.ca if you have any questions.

From: Greenwood, Megan N <Megan.Greenwood@novascotia.ca>
Sent: March 29, 2021 3:51 PM
To: Rillie, Claire Z <Claire.Rillie@novascotia.ca>; Marshman, Kendra Alair <Kendra.Marshman@novascotia.ca>
Cc: Feehan, Jennifer <Jennifer.Feehan@novascotia.ca>; Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>; Sampson, Nicole A <Nicole.Sampson@novascotia.ca>; King, Matthew S <Matthew.King@novascotia.ca>; Feindel, Nathaniel J <Nathaniel.Feindel@novascotia.ca>
Subject: AQ#1431 Network Memo-Amended Plan

Good Afternoon,

We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1431 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in South Aberdeen, Whycocomagh Bay, Inverness County.

The original plan was sent to you for feedback on October 29, 2019 and a comment has been received from your Department.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by April 29, 2021.

Megan Greenwood

Licensing Coordinator
Nova Scotia Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS
B0T 1W0
Phone 902-875-7443
Fax 902-875-7429

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2021.03.29-OLA
Network Memo Ame

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
novascotia.ca

MEMORANDUM

To: Office of L'nu Affairs

From: Robert Ceschiutti, Aquaculture Administrator
Nova Scotia Department of Fisheries and Aquaculture

CC: Matthew King, GIS Analyst
Nathaniel Feindel, Manager of Aquaculture Development
Nicole Sampson, Coastal Resource Coordinator

Date: March 29, 2021

RE: Amended Information for New Aquaculture Licence and Lease Application No. 1431 – Inverness County - Aquaculture Network Review

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Attention network agencies, We'koqma'q First Nation has submitted an amended development plan regarding the production plan and cage configuration for aquaculture application #1431 for the marine finfish cage cultivation of Rainbow Trout. The proposed site is located in South Aberdeen, Whycocomagh Bay, Inverness County.

Please find attached information relating to the following aquaculture Marine Finfish application:

Application No.:	1431
Proponent:	We'koqma'q First Nation
Application Type:	Application for Marine Cage Cultivation of Rainbow Trout
Location:	South Aberdeen, Whycocomagh Bay, Inverness County

To facilitate the screening process, NSDFA offers the following points of information:

1. The complete application package is available online at: https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_-_2021.03.22.pdf
2. Following the review of the application by our Network Partners, this application will be provided to the Aquaculture Review Board for final decision;
3. The amended development plan represents an increase in production amounts and change in cage configuration (i.e. larger cages, but fewer cages and arrays);
4. The amended plan does not include a change in boundaries;
5. In reference to the September 9, 2020 letter accompanying the amended Development Plan, depositional modelling is required under Fisheries and Ocean Canada's Aquaculture Activities Regulations and has been submitted to the respective department;

870

6. The applicant is making a revised application to Transport Canada for an authorization under the Navigation Protection Act for the placement of marine cages;

NSDFA recognizes the Mi'kmaq Treaty Rights and the interest of Mi'kmaq communities in aquaculture development.

We request that you review the amended information and confirm if it changes your previously submitted review. Please submit all components that pertain to this application by April 29, 2021.

Note: We require a written (mail/email) response from each of our review agencies in order to process this application.

You may contact me at by phone at 902-875-7443 or email Megan.Greenwood@novascotia.ca if you have any questions.

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
novascotia.ca

April 27, 2021

Twila Gaudet
Kwilmu'kw Maw-klusuaqn Negotiation Office
75 Treaty Trail
Truro, NS
B6L 1W3

Dear Ms. Gaudet,

RE: Continuing Consultation on the Aquaculture Licence and Lease Application Nos. AQ#1430, AQ#1431

The purpose of this letter is to continue consultation on the two new marine aquaculture licence and lease applicationsAQ#1430 andAQ#1431 with the Mi'kmaq of Nova Scotia under the August 31, 2010 Mi'kmaq-Nova Scotia-Canada Consultation Terms of Reference and to provide the following information.

1. Proposed Changes to the Project
2. Regulatory Requirements
3. Consultation with the Mi'kmaq of Nova Scotia

Proposed Changes to the Project

On September 9, 2020, We'koma'q First Nation submitted an amended development plan to the Department, regarding changes to the production plan and cage configuration for AQ#1430 and AQ#1431. The amended development plan can be viewed here:
https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_-_2021.03.22.pdf
Note that the Development plan revisions can be viewed on pages 259-267 in the above linked document.

Regulatory Requirements

Below is an update on the status of all the anticipated provincial and federal authorizations.

Transport Canada has been informed of these applications, as site-specific authorizations under *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada.

Fisheries and Oceans Canada have been informed of this application. Should the application be approved the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and Species at Risk Act.

Consultation with the Mi'kmaq of Nova Scotia

On April 20, 2020, Nova Scotia Department of Fisheries and Aquaculture (NSDFA) sent an offer to consult for aquaculture licence and lease application nos. AQ#0814, AQ#1430, AQ#1431 to the eleven Chief and Councils of the Assembly of Nova Scotia Mi'kmaw Chiefs. On June 15, 2020, a response was received from

Kwilmu'kw Maw-klusuaqn Negotiation Office (KMKNO) that the Mi'kmaq do not wish to consult on these applications and the KMKNO would work directly with We'koma'q First Nation directly to address any potential concerns. As noted above, We'koma'q First Nation has submitted an amended development plan to NSDFA regarding changes to the production plan and cage configuration for AQ#1430 and AQ#1431 which will increase overall productivity at the site.

Nova Scotia Department of Fisheries and Aquaculture will continue to lead Aboriginal consultation at the provincial level and coordinate the process with any departments (provincial or federal) that will be involved. While the Nova Scotia Office of L'nu Affairs (OLA) coordinates the overall consultation process, the department responsible for Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq of Nova Scotia will be kept informed.

The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultations on these files and can coordinate and meetings involving federal and provincial partners if required.

Since this amended plan will result in changes to the overall production, we would like to hear from the Assembly of Nova Scotia Mi'kmaw Chiefs about details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this project as a result of these changes. Please provide a response by May 27, 2021. We understand that your capacity to respond by the requested date may be impacted by the unanticipated COVID-19 pandemic. If you require an extension, please let us know.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing and Leasing

Cc.
Tamara Young, Jr. Consultation Researcher, KMKNO
Gerard Francis, Consultation Project Support Officer, KMKNO
Claire Rillie, Nova Scotia Office of L'nu Affairs
Linda Babineau-LeBlanc, Consultation Officer, Transport Canada
Edward Parker, Senior Advisor, Aquaculture Management, Fisheries and Oceans Canada

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
novascotia.ca

April 27, 2021

Chief Robert Gloade
Millbrook First Nation
P.O. Box 634
Truro, Nova Scotia B2N 5E5

Dear Chief Gloade and Council,

RE: Continuing Consultation on the Aquaculture Licence and Lease Application Nos. AQ#1430, AQ#1431

The purpose of this letter is to continue consultation on the two new marine aquaculture licence and lease applications AQ#1430 and AQ#1431 with the Mi'kmaq of Nova scotia and to provide the following information.

1. Proposed Changes to the Project
2. Regulatory Requirements
3. Consultation with the Mi'kmaq of Nova Scotia

Proposed Changes to the Project

On September 9, 2020, We'koma'q First Nation submitted an amended development plan to the Department, regarding changes to the production plan and cage configuration for AQ#1430 and AQ#1431. The amended development plan can be viewed here:
https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_-_2021.03.22.pdf
Note that the Development plan revisions can be viewed on pages 259-267 in the above linked document.

Regulatory Requirements

Below is an update on the status of all the anticipated provincial and federal authorizations.

Transport Canada has been informed of these applications, as site-specific authorizations under *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada.

Fisheries and Oceans Canada have been informed of this application. Should the application be approved the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the *Fishery (General) Regulations* of the federal *Fisheries Act*. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the *Fisheries Act* and *Species at Risk Act*.

Consultation with the Mi'kmaq of Nova Scotia

On April 20, 2020, Nova Scotia Department of Fisheries and Aquaculture (NSDFA) sent an offer to consult for aquaculture licence and lease application nos. AQ#0814, AQ#1430, AQ#1431 to Chief and Council of Millbrook First Nation

Nova Scotia Department of Fisheries and Aquaculture will continue to lead Aboriginal consultation at the provincial level and coordinate the process with any departments (provincial or federal) that will be involved. While the Nova Scotia Office of L'nu Affairs (OLA) coordinates the overall consultation process, the department responsible for Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq of Nova Scotia will be kept informed.

The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultations on these files and can coordinate and meetings involving federal and provincial partners if required.

Since this amended plan will result in changes to the overall production, we would like to hear from Millbrook First Nation about details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this project as a result of these changes. Please provide a response by May 27, 2021. We understand that your capacity to respond by the requested date may be impacted by the unanticipated COVID-19 pandemic. If you require an extension, please let us know

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing and Leasing

Cc.
Shelly Martin, Millbrook First Nation
Gerald Gloade, Millbrook First Nation
Claire Rillie, Nova Scotia Office of L'nu Affairs
Linda Babineau-LeBlanc, Consultation Officer, Transport Canada
Edward Parker, Senior Advisor, Aquaculture Management, Fisheries and Oceans Canada

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
novascotia.ca

April 27, 2021

Chief Michael P. Sack
Sipekne'katik First Nation
522 Church Street
Indian Brook, Nova Scotia B0N 1W0

Dear Chief Sack and Council,

RE: Continuing Consultation on the Aquaculture Licence and Lease Application Nos. AQ#1430, AQ#1431

The purpose of this letter is to continue consultation on the two new marine aquaculture licence and lease applications AQ#1430 and AQ#1431 with the Mi'kmaq of Nova scotia and to provide the following information.

1. Proposed Changes to the Project
2. Regulatory Requirements
3. Consultation with the Mi'kmaq of Nova Scotia

Proposed Changes to the Project

On September 9, 2020, We'koma'q First Nation submitted an amended development plan to the Department, regarding changes to the production plan and cage configuration for AQ#1430 and AQ#1431. The amended development plan can be viewed here:
https://novascotia.ca/fish/aquaculture/Application_Package_AQ0814_AQ1430_AQ1431_-_2021.03.22.pdf
Note that the Development plan revisions can be viewed on pages 259-267 in the above linked document.

Regulatory Requirements

Below is an update on the status of all the anticipated provincial and federal authorizations.

Transport Canada has been informed of these applications, as site-specific authorizations under *Canadian Navigable Waters Act* will be required for the placement of works in the water column. We have agreed to coordinate engagement and consultation and any feedback received will be shared with Transport Canada.

Fisheries and Oceans Canada have been informed of this application. Should the application be approved the movement of any live fish will require a licence from Fisheries and Oceans Canada (e.g. Introductions and Transfers Licence) pursuant to the provisions of Sections 55 and 56 of the Fishery (General) Regulations of the federal Fisheries Act. Furthermore, Fisheries and Oceans Canada will review the application in accordance with their legislative mandates under the Fisheries Act and Species at Risk Act.

Consultation with the Mi'kmaq of Nova Scotia

On April 20, 2020, Nova Scotia Department of Fisheries and Aquaculture (NSDFA) sent an offer to consult for aquaculture licence and lease application nos. AQ#0814, AQ#1430, AQ#1431 to Chief and Council of Sipekne'katik First NationOn June 2, 2020, a response was received from Sipekne'katik First Nation stating that you were unable to participate in consultation activities for the project due to capacity reasons.

Sipekne'katik First Nation also stated general support for We'koma'q First Nation's proposed finfish cage cultivation of Rainbow Trout and Atlantic Salmon.

Nova Scotia Department of Fisheries and Aquaculture will continue to lead Aboriginal consultation at the provincial level and coordinate the process with any departments (provincial or federal) that will be involved. While the Nova Scotia Office of L'nu Affairs (OLA) coordinates the overall consultation process, the department responsible for Aboriginal consultation may change based on the authorization being considered, in which case the Mi'kmaq of Nova Scotia will be kept informed.

The Nova Scotia Department of Fisheries and Aquaculture will keep Transport Canada and Fisheries and Oceans Canada apprised of the consultations on these files and can coordinate and meetings involving federal and provincial partners if required.

Since this amended plan will result in changes to the overall production, we would like to hear from Sipekne'katik First Nation about details of any asserted Aboriginal or Treaty rights that could be adversely impacted by this project as a result of these changes. Please provide a response by May 27, 2021. We understand that your capacity to respond by the requested date may be impacted by the unanticipated COVID-19 pandemic. If you require an extension, please let us know

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing and Leasing

Cc.
James Michael, Sipekne'katik First Nation
Jennifer Copage, Sipekne'katik First Nation
Claire Rillie, Nova Scotia Office of L'nu Affairs
Linda Babineau-LeBlanc, Consultation Officer, Transport Canada
Edward Parker, Senior Advisor, Aquaculture Management, Fisheries and Oceans Canada

From: Mise'l Abram <MAbram@mikmaqrights.com>
Sent: May 27, 2021 3:53 PM
To: Ceschiutti, Robert <Robert.Ceschiutti@novascotia.ca>
Cc: Rillie, Claire Z <Claire.Rillie@novascotia.ca>; linda.babineau-leblanc@tc.gc.ca; Parker, Edward V <Edward.Parker@dfo-mpo.gc.ca>; Tamara Young <tyoung@mikmaqrights.com>
Subject: Continuing Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#1430, AQ#1431.

** EXTERNAL EMAIL / COURRIEL EXTERNE **
Exercise caution when opening attachments or clicking on links / Faites preuve de prudence si vous ouvrez une pièce jointe ou cliquez sur un lien

Kwe' Robert,

Please find the attached correspondence with respect to "Continuing Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#1430, AQ#1431.".

Wela'lin,
Mise'l Abram
Assistant to the Director of Consultation

Kwilmu'kw Maw-klusuaqn
Mi'kmaq Rights Initiative

Kwilmu'kw Maw-Klusuaqn Negotiation Office
Mi'kmaq Rights Initiative
75 Treaty Trail
Truro, Nova Scotia
B6L 1W3

P: 902-843-3880
F: 902-843-3882
C: 902-305-3139

www.mikmaqrights.com

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2021-05-27 KMKNO to NSDFA re AQ143(

Kwilmu'kw Maw-klusuaqn Negotiation Office
Mi'kmaq Rights Initiative
Our Rights. Our Future.

75 Treaty Trail
Truro, NS B6L 1W3

Tel (902) 843 3880 **Fax** (902) 843 3882
Toll Free 1 888 803 3880
Email info@mikmaqrights.com
www.mikmaqrights.com

May 27, 2021

Robert Ceschiutti
Manager, Licensing and Leasing
Department of Fisheries and Aquaculture
1575 Lake Road
Shelburne, NS B0T 1W0
Email: Robert.Ceschiutti@novascotia.ca

Re: Continuing Consultation with the Assembly of Nova Scotia Mi'kmaq Chiefs on Aquaculture Licence and Lease Application Nos. AQ#1430, AQ#1431.

Mr. Ceschiutti,

I write to acknowledge your letter dated April 27, 2021 on the above noted. As previously stated, I wish to advise you that the Mi'kmaq do not wish to consult on these applications.

KMKNO will work with We'koqma'q First Nation directly to address any potential concerns and/or mitigation.

Yours in Recognition of Mi'kmaw Rights and Title.

[redacted]

Twila Gaudet, B.A., LL.B.
Director of Consultation
Kwilmu'kw Maw-Klusuaqn Negotiation Office

c.c.:
Claire Rillie, Consultation Advisor, Nova Scotia Office of L'nu Affairs.
Linda Babineau-LeBlanc, Aboriginal Consultation Officer, Transport Canada.
Ed Parker, Senior Advisor, Aquaculture Man g ment, Department of Fisheries and Oceans Canada.

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
novascotia.ca

October 18, 2021

Twila Gaudet, Director of Consultation
Assembly of Nova Scotia Mi'kmaw Chiefs
Kwilmu'kw Maw-klusuaqn Negotiation Office
75 Treaty Trail, Millbrook, NS B6L 1W3

Dear Ms. Gaudet:

RE: Decision Regarding Aquaculture Licence and Lease Application Nos 0814, 1430, 1431

The purpose of this letter is to inform you of a decision that has been made on the application to amend aquaculture licence and lease No 0814, and the two applications for new marine aquaculture licence and lease nos. 1430 and 1431; and to provide the following information:

1. Chronology of consultation
2. How concerns/issues raised by the Mi'kmaq of Nova Scotia have been addressed

Chronology of Consultation To-Date and How Concerns/Issues Raised by the Mi'kmaq of Nova Scotia Have Been Addressed

On April 20, 2020, the Nova Scotia Department of Fisheries and Aquaculture (NSDFA) sent Offer to Consult letters to We'koqma'q First Nation, copying the 10 Chiefs and Councils of the Assembly of Nova Scotia Mi'kmaw Chiefs and KMKNO. NSDFA described the site applications and noted the Province had screened it for Aboriginal consultation purposes and found it to potentially have impacts to Aboriginal and Treaty rights at the moderate level. NSDFA then requested details on potential adverse impacts the site applications could have on credibly asserted or established Mi'kmaq Aboriginal and/or treaty rights.

On June 15, 2020, a response was received from the KMKNO advising that the Mi'kmaq of Nova Scotia did not wish to consult on these applications.

The Department has made the decision to proceed with processing these applications. The final decision regarding these applications will be made by the Aquaculture Review Board and posted to the department's website.

Please note that Sipekne'katik First Nation and Millbrook First Nation have been informed about this decision.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing and Leasing

Cc:

Claire Rillie, Nova Scotia Office of Aboriginal Affairs

Gerard Francis, Consultation Project Support Officer
Kwilmu'kw Maw'klusuaqn Negotiation Office

Tamara Young, Jr. Consultation Researcher
Kwilmu'kw Maw'klusuaqn Negotiation Office

Claire Rillie, Consultation Advisor
Nova Scotia Office of L'nu Affairs

Ed Parker, Senior Advisor, Aquaculture Management
Department of Fisheries and Oceans Canada

Linda Babineau-LeBlanc
Consultation Advisor, Transport Canada

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
novascotia.ca

October 18, 2021

Chief Robert Gloade
Millbrook First Nation
PO Box 634
Truro, Nova Scotia B2N 5E5

Dear Chief Gloade and Council:

RE: Decision Regarding Aquaculture Licence and Lease Application Nos 0814, 1430, 1431

The purpose of this letter is to inform you of a decision that has been made on the application to amend aquaculture licence and lease No 0814, and the two applications for new marine aquaculture licence and lease nos. 1430 and 1431; and to provide the following information:

1. Chronology of consultation to-date
2. How concerns/issues raised by the Mi'kmaq of Nova Scotia have been addressed

Chronology of Consultation To-Date and How Concerns/Issues Raised by the Mi'kmaq of Nova Scotia Have Been Addressed

On April 20, 2020, the Nova Scotia Department of Fisheries and Aquaculture (NSDFA) sent an Offer to Consult letter to the Chief and Council of Millbrook First Nation. NSDFA described the site applications and noted the Province had screened it for Aboriginal consultation purposes and found it to potentially have impacts to Aboriginal and Treaty rights at the moderate level. NSDFA then requested details on potential adverse impacts the site applications could have on credibly asserted or established Mi'kmaq Aboriginal and/or treaty rights.

No response was received from Millbrook First Nation.

The Department has made the decision to proceed with processing these applications. The final decision regarding these applications will be made by the Aquaculture Review Board and posted to the department's website.

Sincerely,

[redacted]

Robert Ceschiutti
Manager, Licensing and Leasing

Cc:

Gerald Gloade, Consultation Coordinator, Millbrook First Nation

Shelly Martin, Solicitor, Millbrook First Nation

Claire Rillie, Consultation Advisor
Nova Scotia Office of L'nu Affairs

Ed Parker, Senior Advisor, Aquaculture Management
Department of Fisheries and Oceans Canada

Linda Babineau-LeBlanc
Consultation Advisor, Transport Canada

Fisheries and Aquaculture
1575 Lake Road
Shelburne, Nova Scotia
B0T 1W0
novascotia.ca

October 18, 2021

Chief Michael P. Sack
Sipekne'katik First Nation
522 Church Street
Indian Brook, Nova Scotia B0N 1W0

Dear Chief Sack and Council:

RE: Decision Regarding Aquaculture Licence and Lease Application Nos 0814, 1430, 1431

The purpose of this letter is to inform you of a decision that has been made on the application to amend aquaculture licence and lease No 0814, and the two applications for new marine aquaculture licence and lease nos. 1430 and 1431; and to provide the following information:

1. Chronology of consultation to-date
2. How concerns/issues raised by the Mi'kmaq of Nova Scotia have been addressed

Chronology of Consultation To-Date and How Concerns/Issues Raised by the Mi'kmaq of Nova Scotia Have Been Addressed

On April 20, 2020, the Nova Scotia Department of Fisheries and Aquaculture (NSDFA) sent an Offer to Consult letter to the Chief and Council of Sipekne'katik First Nation. NSDFA described the site applications and noted the Province had screened it for Aboriginal consultation purposes and found it to potentially have impacts to Aboriginal and Treaty rights at the moderate level. NSDFA then requested details on potential adverse impacts the site applications could have on credibly asserted or established Mi'kmaq Aboriginal and/or treaty rights.

On June 3, 2020, a response was received from the Sipekne'katik First Nation advising that Sipekne'katik is unable to participate in consultation activities. Sipekne'katik noted their support of We'koqma'q First Nation's proposed activities for the Marine Finfish cage cultivation of Rainbow trout and Atlantic salmon located in Whycocomagh Bay.

The Department has made the decision to proceed with processing these applications. The final decision regarding these applications will be made by the Aquaculture Review Board and posted to the department's website.

Sincerely,

[redacted]

Manager, Licensing and Leasing

Cc:

James Michael, Legal Counsel, Sipekne'katik First Nation

Claire Rillie, Consultation Advisor
Nova Scotia Office of L'nu Affairs

Ed Parker, Senior Advisor, Aquaculture Management
Department of Fisheries and Oceans Canada

Linda Babineau-LeBlanc
Consultation Advisor, Transport Canada