

BCIA Salmon Farm PD Tour-Trip Summary

From: Roth, Myron AFF:EX <Myron.Roth@gov.bc.ca>
To: Beyers, Georgina AFF:EX <Georgina.Beyers@gov.bc.ca>
Sent: August 20, 2018 12:04:25 PM PDT
Attachments: Bent Bay-180818.jpg

Hi Georgina,

Here is a summary of the BCIA PD Salmon Farm Tour.

Date: Saturday, August 20, 2018

Time: 11:30 am – 4:30 pm (on the farm ~ 1:00 pm to 3:30 pm)

Site: Cermaq Canada Brent Bent (Discovery Islands, Okisolo Channel, Quadra Island)

Attending Tour

Staff on Site: 3

BCIA: N=6 (3 AGRI [M.Roth, C. Colwell, A. Stemberger]; 1 MOE; 2 Private)

BCSFA: N=2

Guests: N=2 (Reps from 1) Communications Firm; 2) AKVA)

1. No interruptions or additional people visited the farm during our visit.
2. Site was in full production with fish in all pens, getting close to harvest (5+ kg). All fish that I observed looked good, uniform.
3. Staff were very accommodating. Had a tour of the site with a walk through of the farming process, technology used including innovations being introduced to the site (feeding and feed monitoring system; predator netting, airlift system, on site silage etc). Discussed best practices (including Biosecurity measures in place) as well as work with/collaboration with other farms in the channel.
4. On the return trip we passed the *M/V Martin Sheen* which was under full sail (it was a 1+ km away) heading south in Discovery Passage. No contact was made.
5. I've attached a picture of me on the site (in yellow). Anna is in brown pants and in the foreground. [Note, I was wearing a PFD (as we all were), but it is under my jacket, which I was wearing to hold camera gear.]

Let me know if you need anything else.

Cheers,

Myron

Myron Roth, Ph.D., P.Ag. | Industry Specialist –Aquaculture & Seafood

BC Ministry of Agriculture | p: 778-698-3404 | cell: 250-812-0706

1-888-221-7141 | AgriServiceBC@gov.bc.ca

(***note new telephone number***)



RE: BCIA Salmon Farm PD Tour-Trip Summary

From: Roth, Myron AFF:EX <Myron.Roth@gov.bc.ca>
To: Beyers, Georgina AFF:EX <Georgina.Beyers@gov.bc.ca>
Sent: August 20, 2018 12:41:33 PM PDT

It was a great day. Weather was amazing. Interesting to see some new tech (pred nets and the on-site silage in particular).

Cheers,

Myron

Myron Roth, Ph.D., P.Ag. | Industry Specialist – Aquaculture & Seafood

p: 778-698-3404 | cell: 250-812-0706

(***note new telephone number***)

From: Hodson, Georgina AGRI:EX

Sent: Monday, August 20, 2018 12:23 PM

To: Roth, Myron AGRI:EX

Subject: Re: BCIA Salmon Farm PD Tour-Trip Summary

Thanks Myron, this is perfect. Hope you had a great day out there!

On Aug 20, 2018, at 12:04 PM, Roth, Myron AGRI:EX <Myron.Roth@gov.bc.ca> wrote:

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Myron

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(***note new telephone number***)

<Bent Bay-180818.jpg>

FW: CONSULT: AGR-2018-80191 - due September 13, 2018

From: Margerison, Elizabeth AGRI:EX <Elizabeth.Margerison@gov.bc.ca>, Margerison, Elizabeth AFF:EX <Elizabeth.Margerison@gov.bc.ca>
To: Hodson, Georgina AGRI:EX <Georgina.Hodson@gov.bc.ca>, Beyers, Georgina AFF:EX <Georgina.Beyers@gov.bc.ca>
Cc: Roth, Myron AGRI:EX <Myron.Roth@gov.bc.ca>, Roth, Myron AFF:EX <Myron.Roth@gov.bc.ca>
Sent: September 7, 2018 11:49:55 AM PDT
Attachments: Consult records AGR-2018-80191 from DFO.PDF

Georgina and Myron,

Please review the attached records in regards to any Harms in disclosure. I have outlined the pertinent information from the DFO consult request in yellow below and the communications unit has given more detailed information for the Harms Assessment criteria below as well.

Due Date for request to be returned to me: **Sept 13th**.

Elizabeth Margerison

Ministry of Agriculture, 1767 Angus Campbell Road, Abbotsford, BC V3G 2M3

Phone: 604.556.3061 | Fax: 604.556.3030 | Toll-free: 1-888-221-7141 | AgriServiceBC@gov.bc.ca

*** Agriculture not only gives riches to a nation, but the only riches she can call her own - **Samuel Johnson** ***

From: AGRI FOI AGRI:EX

Sent: Thursday, September 6, 2018 11:13 AM

To: Skogstad, Holly AGRI:EX; McQueen, Andrea AGRI:EX

Cc: Simeoni, Adrian AGRI:EX; Margerison, Elizabeth AGRI:EX; AGRI FOI AGRI:EX; Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX; Godfrey, Sam AGRI:EX; Wiczorek, Chris AGRI:EX

Subject: CONSULT: AGR-2018-80191 - due September 14, 2018

The Fisheries and Oceans Canada received this FOI request

"Revised request (June 22, 2018): All information, data, documents, records, communications, and reports relating to the activities, expected activities, and DFO responses to the activities of the Sea Shepherd Martin Sheen vessel, Alexandra Morton, and Indigenous communities addressing fish farms and participating in fish farm related-protest from January 15, 2018 to May 31, 2018."

They identified the attached document(s) as responsive records and wish to get your views on disclosure. Please indicate the following:

1. *Approved for release with no changes.*
2. *Approved for release with the following changes... (insert changes).*
3. *Not approved for release and why.*

Note that all general FOI request records that are released to an applicant should be published on the Open Information website unless the exemption criteria apply. The exemption criteria can be found on page 11 of the [Open Information and Open Data Policy](#). Consultations from outside provincial public bodies are not published on the Open Information website.

Exercise of Discretion:

The Freedom of Information and Protection of Privacy Act (FOIPPA) contains both mandatory and discretionary exceptions to disclosure. Sections 13 to 20 are the discretionary exceptions. Where Information Access Operations (IAO) has advised the head that a discretionary exception may apply, it is important that the head consider the possibility of releasing the information despite the fact that an exception may apply.

Factors relevant to the exercise of discretion include:

- the general purposes of the legislation: public bodies should make information available to the public; individuals should have access to personal information about themselves;

- the wording of the discretionary exception and the interests which the section attempts to balance;
- whether the individual's request could be satisfied by severing the record and by providing the applicant
- with as much information as is reasonably practicable;
- the historical practice of the public body with respect to the release of similar types of documents;
- the nature of the record and the extent to which the document is significant and/or sensitive to the public body;
- whether the disclosure of the information will increase public confidence in the operation of the public body;
- the age of the record;
- whether there is a sympathetic or compelling need to release materials;
- whether previous orders of the Commissioner have ruled that similar types of records or information should or should not be subject to disclosure; and
- when the policy advice exception is claimed, whether the decision to which the advice or recommendations relates has already been made.

Thank you,

Susan Shust

Correspondence and FOI Services

Deputy Minister's Office | Ministry of Agriculture

Ph: 778-974-3818 | Cell: 250-812-7453

email: susan.shust@gov.bc.ca | FOI Requests: FOI.Agriculture@gov.bc.ca | Correspondence Requests: mcu@gov.bc.ca

Please consider the environment before printing this email

DIRECTORS OF AQUACULTURE COMMITTEE (DAC)
Call-in number: 1-877-413-4781 / Passcode: s.15
January 18, 2018 – 10:00 am – 12:00 pm

Chair: L. Neilson / C. Jackson

Participants: L. Lavigne, B. McCorquodale, R. Mayser, L. Fettes, M. Roth, D. Travia, A. Paylor, R. Greville, G. Gage, V. Vukelich

Secretariat: K. Hagerman

DRAFT AGENDA			
	DISCUSSION TOPIC	OBJECTIVES	LEAD
1.	Review of Agenda		D. Travia C. Jackson
2.	Action Items from October 18, 2017 DAC Meeting <ul style="list-style-type: none"> 1. DFO to discuss at AMC the possibility of setting up a meeting with the Province, WorkSafe BC, Transport Canada, and others to discuss on farm worker safety. - Ongoing 2. IPM - Robyn Kenyon to connect with Myron Roth and MOE to determine next steps. – Ongoing 3. DFO Action Item: Set up a call with BC and DFO representatives to discuss options for addressing First Nation interest in geoduck in more detail. - Ongoing 		D. Travia C. Jackson
3.	Federal Update	<ul style="list-style-type: none"> • Provide updates on key programs and initiatives to improve collective understanding of aquaculture management in BC 	C. Jackson
4.	Provincial Update		D. Travia
5.	Progress on Aquaculture Harmonization <ul style="list-style-type: none"> 1) Harmonized Working Group Debrief 2) Status of Harmonized Licence Applications 	<ul style="list-style-type: none"> • Provide a status update on new aquaculture applications and amendments currently under review 	B. McCorquodale L. Fettes

Sector	New Sites Under Review	New on hold	Amendments Under Review	Amendments on hold	Total
Marine Finfish	0	0	1	2	3
Shellfish	5	11	1	12	29
Freshwater/Land-based	1	1	0	0	2
Rec Stocking	0	0	0	0	0
Total	6	12	2	14	34

Last updated: January 9, 2018

DRAFT AGENDA			
	DISCUSSION TOPIC	OBJECTIVES	LEAD
6.	Broughton Archipelago Plan	<ul style="list-style-type: none"> Discuss the January 30, 2018 government to government meeting to discuss Broughton Archipelago aquaculture planning issues 	D. Travia
7.	Farm Safety	<ul style="list-style-type: none"> Summarize direction received from AMC regarding farm safety issues Discuss a potential meeting between government departments to discuss farm safety, including attendees and agenda items 	C. Jackson/L. Neilson
8.	Integrated Geoduck Management Framework	<ul style="list-style-type: none"> Discuss potential options to address First Nation interest in Geoduck 	C. Jackson
9.	Provincial Review of Discharge and IPM Permitting	<ul style="list-style-type: none"> Discuss recent provincial announcement related to the review Next steps in the review process 	MOE
10.	Integrated Pest Management (IPM)	<ul style="list-style-type: none"> Discuss implications of IPM based on the provincial review announcement Discuss the outcomes of the BC Salmon Farmers Association Workshop on IPM IPM Paper next steps 	L. Lavigne
11.	Freshwater Policies	<ul style="list-style-type: none"> Discuss ongoing policy development on freshwater fish enhancement and access Discuss recent discussions with First Nations 	D. Travia/ C. Jackson
12.	Fisheries and Aquaculture Clean Technology Adoption Program (FACTAP)	<ul style="list-style-type: none"> DFO update on the new clean technology funding program 	L. Lavigne
13.	External Evaluations	<ul style="list-style-type: none"> Provide an update on the CESD Audit, the DFO review of the Fish Health Audit and Surveillance Program, and the evaluation of diagnostic services 	C. Jackson
14.	Minister of Agriculture Advisory Council on Finfish Aquaculture (MAACFA) debrief	<ul style="list-style-type: none"> Debrief of the last Minister of Agriculture Advisory Council on Finfish Aquaculture (MAACFA) meeting and progress on finalizing the report 	D. Travia
15.	Legislative Reform and Strategic Management Committee Meeting (SMC) updates	<ul style="list-style-type: none"> Update on Legislative Reform and a debrief of the recent SMC meeting in Vancouver 	D. Travia / L. Neilson
16.	Follow up from December AMC and Preparation of March 8, 2018 AMC Agenda	<ul style="list-style-type: none"> Discuss action items from the December AMC meeting and potential items agenda for the March AMC meeting 	All
17.	Roundtable		All

Next Meeting Date: April 19, 2018
Location: Teleconference

DIRECTORS OF AQUACULTURE COMMITTEE (DAC)

January 18, 2018 – 10:00 am – 12:00 pm

Teleconference:

Call-in number: 1-877-413-4781 / Passcode: s.15

MODERATOR PASSCODE: 7879#

ANNOTATED AGENDA

Chair: L. Neilson / C. Jackson

Participants: L. Lavigne, B. McCorquodale, R. Mayser, L. Fettes, M. Roth, D. Travia, A. Paylor, R. Greville, G. Gage, V. Vukelich

Secretariat: K. Hagerman

1. Review of Agenda (D. Travia / C. Jackson)

- Discussion of DAC Agenda

2. Review of Action Items from October 18, 2017 DAC Meeting (D. Travia / C. Jackson)

- DFO to discuss at AMC the possibility of setting up a meeting with the Province, WorkSafe BC, Transport Canada, and others to discuss on farm worker safety. - Ongoing
- IPM - Robyn Kenyon to connect with Myron Roth and MOE to determine next steps. - Ongoing
- DFO Action Item: Set up a call with BC and DFO representatives to discuss options for addressing First Nation interest in geoduck in more detail. - Ongoing

3. Federal Update (C. Jackson)

Staffing Updates

- As of January 29, 2018, Allison Webb will be replacing me [Corey Jackson] as the Director of Aquaculture Management
- Shirley Choi has taken on the role of FACTAP coordinator in the Pacific Region

Marine Harvest Injunction Update

- On December 22, 2017, two injunctions were issued: one for the Marine Harvest Canada sites and the other for eight Cermaq sites
- Both Orders and the police enforcement clauses are effective immediately.

4. Provincial Update (D. Travia)

- David Travia to lead an update on Province of BC aquaculture related issues

5. Progress on Aquaculture Harmonization (B. McCorquodale/ L. Fettes)

a) Harmonized Working Group Debrief

- B. McCorquodale and L. Fettes to provide a verbal update on the outcomes of the last Harmonized Working Group Meeting

b) Status of Harmonized Licence Applications

Last Updated: January 9, 2018

Sector	New Sites Under Review	New on hold	Amendments Under Review	Amendments on hold	Total
Marine Finfish	0	0	1	2	3
Shellfish	5	11	1	12	29
Freshwater/Land-based	1	1	0	0	2
Rec Stocking	0	0	0	0	0
Total	6	12	2	14	34

6. Broughton Archipelago Plan (D. Travia)

- Province to provide an update on the January Broughton meeting

- Reconciliation is a central component of the Government of Canada's commitment to developing a new, modern relationship with Indigenous Peoples, and several programs have been established to support reconciliation efforts
- DFO will be taking the overall direction and put through these processes to work towards reaching agreements with First Nations in BC around fisheries and aquaculture management and governance issues
- Our Minister will not be engaging in this government to government process directly. There is no direct regulatory decision by the Department related to these sites—DFO has issued federal licences for the continuing operation of these sites through June 30, 2022.
- Andy Thompson, Regional Director, Fisheries Management, will participate in the process to provide input and support, as appropriate, as well as information regarding DFO management of aquaculture in BC
- We do have some questions regarding the proposed government to government process:
 - does the Province have a sense of what range of options might be considered when entering into the government to government process?
 - would they consider letting the licences expire without renewal? This would have a significant impact on the industry and employment in small coastal communities (including First Nations)

- what about the broader implications for other sectors/industries operating in territory claimed by First Nations?

7. Farm Safety (C. Jackson/L. Neilson)

- Action item from December 4, 2017 AMC: DAC will create a government agency attendee list and bring to AMC for review
- Protests at salmon farm sites this summer have escalated and companies have raised concerns regarding the safety of their workers.
- Industry has approached DFO to see if the Department could coordinate a discussion with other government agencies to see if there are additional measures that governments can take, within our respective mandates, to help ensure farm worker safety.
- Industry used the example of clear markings of aquaculture tenures as a possible improvement that could be made. This would involve the Province and Transport Canada.
- DFO is willing to coordinate/facilitate a discussion on this but we are looking for support from the Province and ideas on who else we should engage.

8. Integrated Geoduck Management Framework (C. Jackson)

- DFO has been reviewing aquaculture applications for geoduck and evaluating them under the new Integrated Geoduck Management Framework (IGMF) since March, 2017.

Since the release of the IGMF, the Project Review Team (PRT) has received 11 applications

- 1 application was rejected as it fell outside the requirements of the IGMF
- 1 application was withdrawn
- 6 applications remain under review at the PRT stage while DFO works with CSSP partners on an approach for ensuring adequate water quality and biotoxin monitoring.
- 3 additional applications are under review by PRT agencies for application deficiencies and/or major concerns.
- None of the applications at the PRT stage are from First Nations.
- DFO is currently working with CSSP partners on an approach for ensuring adequate water quality and biotoxin monitoring to allow for harvest of Geoduck post licensing.
- The Department has received significant feedback from First Nations that the IGMF does not provide enough flexibility to meet their interests /aspirations related to geoduck (aquaculture and/or access to wild).
- DFO is currently examining options on how First Nations interests can be addressed through a variety of tools such as the IGMF, treaty negotiations, and other policies.

Comment [D1]: Lauren, should I make sure these numbers are updated? If so, who would be able to give them to me?

9. Provincial Review of Discharge and IPM Permitting (MOE)

- ☒ Effluent Discharge from BC Processing Plants

- Since the November 2017 release of video footage of blood and other effluent coming from the Brown's Bay Packing processing plant near Campbell River, the issue of effluent treatment and disease transmission has received significant public and media attention.
- In response to a request by provincial officials, DFO Science collected samples during the first week of December to test samples for the presence of pathogens, including PRV. All samples tested positive for PRV.
- A Rapid Science Response (RSS) has been completed and provided to the Province of BC.
- In November, the Province of BC began reviewing the current discharge permit for the Brown's Bay plant and referred a draft of an updated permit to DFO (Aquaculture Management Division, Pacific Region) for comment/input. No comments have been provided to date.
- On December 20, 2017, the Province of BC announced a broader review of the regulations and discharge permitting process related to fish plants and the use of pesticides to treat sea lice.
- The Province is responsible for the licensing of fish processing plants. Federally, ECCC is responsible for administering section 36 of the Fisheries Act. However, given DFO's and expertise related to aquaculture, fish health and minimizing impacts to wild salmon, DFO staff are prepared to work with the responsible federal and provincial agencies to support and inform this review by the Province, as appropriate (including coordination with ECCC).

10. Integrated Pest Management (IPM) (L. Lavigne)

- The BC Salmon Farmers Association organized a workshop on Integrated Pest Management on January 10-11. The workshop highlighted the many tools required for pest management (area based management, management thresholds, therapeutants, best management practices). If management thresholds are low, and there few treatment tools available, resistance will develop.
- An Integrated Pest Management (IPM) overview document, which describes the status of IPM in BC, was drafted by the Strategic Working Group (a DFO and industry working group) and discussed at our DAC meeting in October.
- The IPM document examines the core elements of an IPM for aquaculture and the treatments available for sea lice in the different salmon farming jurisdictions along with which of those treatments are available in BC.
- Federal and Provincial governments play a critical role in ensuring various treatment options are available for the aquaculture industry to use. DFO would like to explore with the Province how a longer term strategy for IPM can be developed, similar to IPM strategies for terrestrial farming.
- DFO is looking to work with industry and the Province to develop a work plan to outline next steps and identify short, medium and long term actions that can be taken to support IPM in BC.

11. Freshwater Policies (D. Travia/C. Jackson)

- David Travia will discuss process of ongoing policy development on freshwater fish enhancement and access.
- DFO is currently reviewing the ONA application to add sturgeon to their licence. Provincial comments have been requested. The Department will begin reviewing their request to add rainbow trout in the near future.

12. Fisheries and Aquaculture Clean Technology Adoption Program (FACTAP) (L. Lavigne)

- The Fisheries and Aquaculture Clean Technology Adoption Program (FACTAP) officially launched on December 18, 2017
- Shirley Choi is coordinating this program for the Pacific region
- The program will provide funding of up to \$20 million over four years to Canada's fisheries, aquaculture and processing companies to implement market-ready clean technologies, processes, and practices into their day-to-day operations.
- FACTAP can provide funding of up to 75% of eligible project costs, the applicant must also receive funding from provincial or territorial governments of at least 10% of the project cost in cash or in-kind.

13. External Evaluations (C.Jackson)

- There are currently a number of evaluations going on related to Aquaculture management in B.C.
 - i. CESD/OAG audit is nearing completion. The final report is expected to be released in Spring 2018
 - ii. A review of the DFO Fish Health Audit and Surveillance program has been completed and will be shared with the Province shortly
 - iii. A review of the options for the provision of diagnostic services has been initiated. The option of conducting diagnostic testing internally within in DFO will be analyzed first.

14. Minister of Agriculture Advisory Council on Finfish Aquaculture (MAACFA) debrief (D. Travia)

- David Travia will be providing a debrief on the last Minister of Agriculture Advisory Council on Finfish Aquaculture

15. Legislative Reform and Strategic Management Committee Meeting (SMC) updates (D. Travia/L. Neilson)

- D. Travia / L. Neilson to provide an update
- The Last SMC was held in Toronto on September 13, 2017.
- A special SMC conference call was held November 24, following the Minister's announcement of the federal "Vision".
- The SMC Working Group on Aquaculture Legislation and Regulations has had more than a dozen conference calls and a two-day meeting in Vancouver since fall 2017.

16. Follow up from December AMC and Preparation of March 8, 2018 AMC Agenda (All)

- Refer to agenda from December 4, 2017 AMC

Action Items:

- For the Farm Safety Item "DAC will create a government agency attendee list and bring to AMC for review:
- Development of the AMC March 8, 2018 Agenda will begin in February.

17. Roundtable (All)



Meeting Details

Committee:	Directors of Aquaculture Committee (DAC)
Secretariat:	K. Hagerman, Governance Officer, DFO
Meeting Date & Location:	October 18, 2017, 10:00 am – 12:00 pm Arbutus Room (2 nd Floor) 2100 Labieux Road, Nanaimo Conference Call#: 1-877-413-4781 / Passcode: S.15

Meeting Participants

Chair: L. Neilson / C. Jackson

Participants: L. Lavigne, B. McCorquodale, R. Mayser, M. Roth, D. Travia, S. Collison (on behalf of V. Vukelich), M. Turner, B. Carswell

Secretariat: K. Hagerman

Record of Discussions/Decisions

1) Review of Agenda (L. Neilson / C. Jackson)

- DAC did not have revisions to the agenda.

2) Review of Action Items from July 26, 2017 DAC meeting (L. Neilson / C. Jackson)

Action Items:

1. Members of the harmonized working group will name an IT representative who can assist with this project and share it with L. Fettes – R. Mayser to follow up
2. A discussion on IPM Next Steps to be added next DAC agenda – Complete
3. David to check with Larry if Oyster/CSSP should be on the next AMC Agenda – Complete

3) Federal Update (C. Jackson)

- Corey Jackson has replaced Karen Calla as the Director of Aquaculture Management until the end of March 2018. A hiring process for the position will start shortly.
- Brenda McCorquodale has replaced March Klaver temporarily in the Aquaculture Resource Management Regional Manager position. A process is underway to staff the position on a long term basis.
- Quadrilateral Meeting – This international meeting illustrated that the aquaculture industry faces similar challenges across countries.



- BCSFA AGM – Discussed infrastructure, feed, sustainability, growth, and innovation. DFO's minister gave a speech on the topics of growth and innovation, importance of healthy fish stocks, transparency, and inclusion of indigenous partners.

4) Provincial Update (L. Neilson)

- Lesley Fettes is updating the Operational Land Use Policy. The project is currently waiting for input from the Minister's Advisory Council, which is expected sometime this fall. BC will engage DFO and others.
- The Province is working on filling the vacancy in Lesley's tenuring team. They are hoping to have the position staffed by November 2017.

5) Progress on Aquaculture Harmonization (B. McCorquodale)

a) Harmonized Working Group Debrief

- The last Harmonized Working Group meeting took place on Sept 12, 2017.
- Topics discussed: acceptance of PRT applications, harmonization guide books, Integrated Geoduck Framework implementation, and the agreement to not accept multiple concurrent amendment applications.

b) Status of Harmonized Licence Applications

Sector	New Sites UR	New / on hold	Amendments UR	Amendments on hold	Total
Marine Finfish	0	0	4	2	6
Shellfish	6	11	0	12	29
Freshwater/Land-based	1	0	0	1	2
Rec Stocking	0	0	0	0	0
Total	7	11	4	15	37

Last updated: Oct. 11, 2017

- There are 9 new applications waiting for water classification issues to be resolved (6 of the 9 are geoduck).

c) Review of Guidance Documents/ Manuals that accompany Front Counter applications



- The Front Counter application forms and guidance documents were recently updated. These materials were reviewed and approved by DAC and will be uploaded to the provincial website.

6) Atlantic Escape Plan (C. Jackson)

- DAC discussed activities since the Washington escapes event in August.
- Atlantic salmon sightings have been reported in BC waters; they are showing up individually in various locations as far as Tofino and Campbell River.
- DFO has come up with a 4 part plan to address Atlantic escapes: engage the help of others in reporting Atlantic salmon, swim key rivers, follow-up where required, and provide updates to the public and key groups.

7) Farm Safety (C. Jackson)

- Protests at salmon farm sites this summer have escalated and companies have raised concerns regarding the safety of their workers.

DFO ACTION ITEM: DFO to discuss at AMC the possibility of setting up a meeting with the Province, WorkSafe BC, Transport Canada, and others to discuss on farm worker safety.

8) Integrated Pest Management (IPM) (C. Jackson / L. Lavigne)

- The IPM document was approved at FAIAP on July 21, 2017.
- DAC discussed the possibility of bringing someone in from MOE (Integrated Pest Management Committee) to collaborate on IPM issues moving forward.

Action Item: Keep this item on the agenda. Robyn Kenyon to connect with Myron Roth and MOE to determine next steps.

9) Integrated Geoduck Management Framework(IGMF) (C. Jackson)

- DFO is currently working with CSSP partners on an approach for ensuring adequate water quality and biotoxin monitoring to allow for harvest of Geoduck post licensing.
- DFO has also been examining ways that First Nations interests in geoduck could be met, either through the IGMF or through other tools.

DFO Action Item: Set up a call with BC and DFO representatives to discuss options for addressing First Nation interest in geoduck in more detail.

10) Freshwater Policies (D. Travia)



- Development is still ongoing for freshwater fish enhancement and access.
- The final round of input is wrapping up; the Province will share the final document with DFO when it's complete.

DFO Action Item: Add Freshwater Policies to the next DAC meeting agenda.

11) Shellfish Debris Strategy / Beach Clean Up (C. Jackson)

- Approximately 2 metric tonnes of debris was removed from the beaches of Baynes Sound.
- A parallel clean-up effort on Denman Island saw a similar amount of debris removed from beaches. Up to 90% of the material collected will be reused or recycled.

12) Fisheries and Aquaculture Clean Technology Adoption Program (FACTAP) (C. Jackson/ L. Lavigne)

- The Fisheries and Aquaculture Clean Technology Adoption Program (FACTAP) is in the final stages of approval.
- The program will require the proponent to contribute a minimum of 10% and the Province to contribute a minimum of 10% per project in cash or in kind. DFO will contribute a maximum of 75%. The remaining 5% can come from other federal, provincial or municipal sources.

DFO Action Item: Make FACTAP a standing item on the agenda.

13) Minister of Agriculture Advisory Council on Finfish Aquaculture (MAACFA) debrief (D. Travia)

- Last MAACFA meeting was October 4-5, 2017. Next meetings are Nov 2 – 3, 2017, and Nov 22 – 23, 2017.
- The distinction between risk reduction and harm reduction is being examined.
- MAACFA is aiming to have the draft report by the end of the year.

14) Legislative Reform and Strategic Management Committee Meeting (SMC) updates (D. Travia / L. Neilson / C. Jackson)

- DFO will be undertaking a series of engagement sessions this fall with First Nations and stakeholders to discuss what an Aquaculture Act could look like.



- These engagement sessions will also discuss plans for amending the Fishery General Regulations to address overlap with the Health of Animals Regulations.
- DFO is also working on developing an Aboriginal Engagement Strategy for Aquaculture. DFO will be engaging on the development of this strategy with Aboriginal groups in the fall.

15) Preparation of AMC Agenda (All)

- Add Licensing of Expiring Tenures to the next AMC Agenda.
- Add Status of First Nation and Industry Communications at Different Levels of Government to the next AMC Agenda.

16) Roundtable (All)

- DAC discussed provincial tenure renewals and implications to active DFO licences.

Action Items

#	DESCRIPTION	LEAD	TARGET DATE	STATUS
1.	Action Items from the October 18, 2017 DAC Meeting			
	Members of the harmonized working group will name an IT representative who can assist with this project and share it with L. Fettes	BC - R. Mayser	Next DAC Meeting	In Progress
2.	Farm Safety			
	DFO to discuss at AMC the possibility of setting up a meeting with the Province, WorkSafe BC, Transport Canada, and others to discuss on farm worker safety.	DFO - C. Jackson	Next DAC Meeting	In Progress
3.	Integrated Pest Management			
	Robyn Kenyon to connect with Myron Roth and MOE to determine next steps.	DFO - R. Kenyon	Next DAC Meeting	In Progress
4.	Integrated Geoduck Management Framework			



	Set up a call with BC and DFO representatives to discuss options for addressing First Nation interest in geoduck in more detail.	DFO – C. Jackson	Next DAC Meeting	In Progress
5.	Freshwater Policies			
	Add Freshwater Policies to the next DAC agenda.	DFO - K. Hagerman	Next DAC Meeting	In Progress
6.	Fisheries and Aquaculture Clean Technology Adoption Program (FACTAP)			
	Make FACTAP a standing DAC agenda item	DFO - K. Hagerman	Next DAC Meeting	In Progress
7.	AMC Agenda			
	Add Licensing of Expiring Tenures to the next AMC agenda.	DFO – K. Hagerman	Next AMC Meeting	In Progress
	Add Status of First Nation and Industry Communications at Different Levels of Government to the next AMC Agenda.	DFO – K. Hagerman	Next AMC Meeting	In Progress
Next Meeting Date:		January 18, 2018 – 10:00 am – 12:00 pm		
Location:		Conference Call		

DIRECTORS OF AQUACULTURE COMMITTEE (DAC)

April 19, 2018 – 10:00 am – 12:00 pm

Teleconference:

Call-in number: 1-877-413-4781 / Passcode: s.15

MODERATOR PASSCODE: 7879#

ANNOTATED AGENDA

Chair: L. Neilson / A. Webb

Participants: L. Lavigne, B. McCorquodale, R. Mayser, L. Fettes, M. Roth, D. Travia, A. Paylor, R. Greville, G. Gage, V. Vukelich

Secretariat: S. Meadows

1. Review of Agenda (D. Travia / A. Webb)

- Discussion of DAC Agenda

2. Review of Action Items from January 18, 2018 DAC Meeting (D. Travia / A. Webb)

- DAC to develop an attendee list for a farm worker safety meeting - ongoing
- DFO to set up a Federal/Provincial meeting examining options on how First Nations interests related to geoduck can be accommodated
- L. Neilson will reach out to the MOE related to the Provincial Review of Discharge and IPM permitting and provide an update to DAC. ?
- D. Travia to present progress on freshwater policies at the next DAC. – Was this Completed ?

3. Federal Update (A. Webb)

Staffing Updates

- As of January 29, 2018, Allison Webb is the Director of Aquaculture Management
- May 1, 2018 Paula Delaney will assume the role of Administrative Officer
- Anoma Patirana has taken on the role of Aquaculture Coordinator

Marine Harvest Injunction Update

- On December 22, 2017, two injunctions were issued: one for the Marine Harvest Canada sites and the other for eight Cermaq sites

- Both Orders and the police enforcement clauses are effective immediately.

4. Provincial Update (D. Travia)

- David Travia to lead an update on Province of BC aquaculture related issues

5. Progress on Aquaculture Harmonization (B. McCorquodale/ L. Fettes)

a) Harmonized Working Group Debrief

- B. McCorquodale and L. Fettes to provide a verbal update on the outcomes of the last Harmonized Working Group Meeting

b) Status of Harmonized Licence Applications

Last Updated: April 6, 2018

Sector	New Sites Under Review	New on hold	Amendments Under Review	Amendments on hold	Total
Marine Finfish	0	0	2	3	5
Shellfish	7	11	2	12	32
Freshwater/Land-based	2	1	1	0	4
Rec Stocking	0	0	0	0	0
Total	9	12	5	15	41

6. Broughton Archipelago Plan (D. Travia)

- Province to provide an update on the January Broughton meeting

- Reconciliation is a central component of the Government of Canada's commitment to developing a renewed, nation-to-nation relationship with Indigenous Peoples, and several processes have been established to support reconciliation efforts
- DFO will be following the overall direction laid out through these processes to work towards reaching agreements with First Nations in BC around fisheries and aquaculture management and governance issues
- Our Minister will not be engaging in this government-to-government process directly. There is no direct regulatory decision for the Department related to these sites—DFO has issued federal licences for the continued operation of these sites through June 30, 2022.
- Andy Thomson, Regional Director Fisheries Management, will participate in the process to provide input and support, as appropriate, as well as information regarding DFO management of aquaculture in BC.
- We do have some questions regarding the proposed government-to-government process:
 - does the Province have a sense of what range of options might be considered when entering into this government to government process?
 - would they consider letting the licences expire without renewal? This would have a significant impact on the industry and employment in small, coastal communities (including First Nations).

- what about the broader implications for other sectors/industries operating in territory claimed by First Nations?

7. Farm Safety (C. Jackson/L. Neilson)

- Action item from December 4, 2017 AMC: DAC will create a government agency attendee list and bring to AMC for review
- Protests at salmon farm sites this summer have escalated and companies have raised concerns regarding the safety of their workers.
- Industry has approached DFO to see if the Department could coordinate a discussion with other government agencies to see if there are additional measures that governments can take, within our respective mandates, to help ensure farm worker safety.
- Industry used the example of clear markings of aquaculture tenures as a possible improvement that could be made. This would involve the Province and Transport Canada.
- DFO is willing to coordinate/facilitate a discussion on this but we are looking for support from the Province and ideas on who else we should engage.

8. Integrated Geoduck Management Framework (C. Jackson)

- DFO has been reviewing aquaculture applications for geoduck and evaluating them under the new Integrated Geoduck Management Framework (IGMF) since March, 2017.
- Since the release of the IGMF, the Project Review Team (PRT) has received 11 applications
 - 1 application was rejected as it fell outside the requirements of the IGMF
 - 1 application was withdrawn
 - 5 applications remain under review at the PRT stage while DFO works with CSSP partners on an approach for ensuring adequate water quality and biotoxin monitoring.
 - 2 applications for new geoduck facilities have been accepted by the PRT and are currently in statussing with BC.
 - 1 applications for an amended geoduck facility has been accepted by the PRT and is currently in statussing with BC.
 - 1 application has been received by Klahoose FN but overlaps with another application already at PRT, so is being held at PRT while a solution to overlap is being considered.
 - None of the applications at the PRT stage are from First Nations for red areas.
- DFO is currently working with CSSP partners on an approach for ensuring adequate water quality and biotoxin monitoring to allow for harvest of Geoduck post licensing.
- The Department has received significant feedback from First Nations that the IGMF does not provide enough flexibility to meet their interests /aspirations related to geoduck (aquaculture and/or access to wild).

- DFO is currently examining options on how First Nations interests can be addressed through a variety of tools such as the IGMF, treaty negotiations, and other policies.

9. Provincial Review of Discharge and IPM Permitting (MOE)

- ☒ Effluent Discharge from BC Processing Plants
- Since the November 2017 release of video footage of blood and other effluent coming from the Brown's Bay Packing processing plant near Campbell River, the issue of effluent treatment and disease transmission has received significant public and media attention.
- In response to a request by provincial officials, DFO Science collected samples during the first week of December to test samples for the presence of pathogens, including PRV. All samples tested positive for PRV.
- A Rapid Science Response (RSS) has been completed and provided to the Province of BC.
- In November, the Province of BC began reviewing the current discharge permit for the Brown's Bay plant and referred a draft of an updated permit to DFO (Aquaculture Management Division, Pacific Region) for comment/input. No comments have been provided to date.
- On December 20, 2017, the Province of BC announced a broader review of the regulations and discharge permitting process related to fish plants and the use of pesticides to treat sea lice.
- The Province is responsible for the licensing of fish processing plants. Federally, ECCC is responsible for administering section 36 of the Fisheries Act. However, given DFO's and expertise related to aquaculture, fish health and minimizing impacts to wild salmon, DFO staff are prepared to work with the responsible federal and provincial agencies to support and inform this review by the Province, as appropriate (including coordination with ECCC).

10. Integrated Pest Management (IPM) (L. Lavigne)

- The BC Salmon Farmers Association organized a workshop on Integrated Pest Management on January 10-11. The workshop highlighted the many tools required for pest management (area based management, management thresholds, therapeutants, best management practices). If management thresholds are low, and there few treatment tools available, resistance will develop.
- An Integrated Pest Management (IPM) overview document, which describes the status of IPM in BC, was drafted by the Strategic Working Group (a DFO and industry working group) and discussed at our DAC meeting in October.
- The IPM document examines the core elements of an IPM for aquaculture and the treatments available for sea lice in the different salmon farming jurisdictions along with which of those treatments are available in BC.
- Federal and Provincial governments play a critical role in ensuring various treatment options are available for the aquaculture industry to use. DFO would like to explore with

the Province how a longer term strategy for IPM can be developed, similar to IPM strategies for terrestrial farming.

- DFO is looking to work with industry and the Province to develop a work plan to outline next steps and identify short, medium and long term actions that can be taken to support IPM in BC.

11. Freshwater Policies (D. Travia/C. Jackson)

- David Travia will discuss process of ongoing policy development on freshwater fish enhancement and access.
- Work on a provincial paper outlining policies for freshwater enhancement, aquaculture and commercial access is ongoing
- DFO is currently reviewing the ONA application to add sturgeon to their licence. Provincial comments have been requested. The Department will begin reviewing their request to add rainbow trout in the near future.

12. Fisheries and Aquaculture Clean Technology Adoption Program (FACTAP) (L. Lavigne)

- The Fisheries and Aquaculture Clean Technology Adoption Program (FACTAP) officially launched on December 18, 2017
- Shirley Choi is coordinating this program for the Pacific region
- The program will provide funding of up to \$20 million over four years to Canada's fisheries, aquaculture and processing companies to implement market-ready clean technologies, processes, and practices into their day-to-day operations.
- FACTAP can provide funding of up to 75% of eligible project costs, the applicant must also receive funding from provincial or territorial governments of at least 10% of the project cost in cash or in-kind.

13. External Evaluations (C.Jackson)

- There are currently a number of evaluations going on related to Aquaculture management in B.C.
 - i. CESD/OAG audit is nearing completion. The final report is expected to be released in Spring 2018
 - ii. A review of the DFO Fish Health Audit and Surveillance program has been completed and will be shared with the Province shortly
 - iii. A review of the options for the provision of diagnostic services has been initiated. The option of conducting diagnostic testing internally within DFO will be analyzed first.

14. Minister of Agriculture Advisory Council on Finfish Aquaculture (MAACFA) debrief (D. Travia)

- David Travia will be providing a debrief on the last Minister of Agriculture Advisory Council on Finfish Aquaculture

15. Legislative Reform and Strategic Management Committee Meeting (SMC) updates (D. Travia/L. Neilson)

- D. Travia / L. Neilson to provide an update
- The Last SMC was held in Toronto on September 13, 2017.
- A special SMC conference call was held November 24, following the Minister's announcement of the federal "Vision".
- The SMC Working Group on Aquaculture Legislation and Regulations has had more than a dozen conference calls and a two-day meeting in Vancouver since fall 2017.

16. Follow up from December AMC and Preparation of March 8, 2018 AMC Agenda (All)

- Refer to agenda from December 4, 2017 AMC

Action Items:

- For the Farm Safety Item "DAC will create a government agency attendee list and bring to AMC for review:
- Development of the AMC March 8, 2018 Agenda will begin in February.

17. Roundtable (All)

Re: CONSULT: AGR-2018-80191 - due September 13, 2018

From: Hodson, Georgina AGRI:EX <Georgina.Hodson@gov.bc.ca>, Beyers, Georgina
: AFF:EX <Georgina.Beyers@gov.bc.ca>
To: Margerison, Elizabeth AGRI:EX <Elizabeth.Margerison@gov.bc.ca>, Margerison,
Elizabeth AFF:EX <Elizabeth.Margerison@gov.bc.ca>
Cc: Roth, Myron AGRI:EX <Myron.Roth@gov.bc.ca>, Roth, Myron AFF:EX
<Myron.Roth@gov.bc.ca>
Sent: September 12, 2018 1:22:38 PM PDT

Hi Elizabeth,
Myron and I recommend release of these records.
Thank you,
Georgina

Georgina Hodson | Director, Industry Development
Business Development Division | Ministry of Agriculture
T 250-896-6221 | E georgina.hodson@gov.bc.ca

From: Georgina Hodson <Georgina.Hodson@gov.bc.ca>
Date: Friday, September 7, 2018 at 12:56 PM
To: "Roth, Myron AGRI:EX" <Myron.Roth@gov.bc.ca>
Cc: "Margerison, Elizabeth AGRI:EX" <Elizabeth.Margerison@gov.bc.ca>
Subject: Re: CONSULT: AGR-2018-80191 - due September 13, 2018
Hi Myron, I would like to see your harms assessment on this before I do my review.
Thanks,
Georgina

Georgina Hodson | Director, Industry Development
Business Development Division | Ministry of Agriculture
T 250-896-6221 | E georgina.hodson@gov.bc.ca

From: "Margerison, Elizabeth AGRI:EX" <Elizabeth.Margerison@gov.bc.ca>
Date: Friday, September 7, 2018 at 11:49 AM
To: Georgina Hodson <Georgina.Hodson@gov.bc.ca>
Cc: "Roth, Myron AGRI:EX" <Myron.Roth@gov.bc.ca>
Subject: FW: CONSULT: AGR-2018-80191 - due September 13, 2018

Georgina and Myron,
Please review the attached records in regards to any Harms in disclosure. I have outlined the pertinent information from the DFO consult request in yellow below and the communications unit has given more detailed information for the Harms Assessment criteria below as well.

Due Date for request to be returned to me: **Sept 13th**.

Elizabeth Margerison

Ministry of Agriculture, 1767 Angus Campbell Road, Abbotsford, BC V3G 2M3

Phone: 604.556.3061 | Fax: 604.556.3030 | Toll-free: 1-888-221-7141 | AgriServiceBC@gov.bc.ca

*** Agriculture not only gives riches to a nation, but the only riches she can call her own - **Samuel Johnson** ***

From: AGRI FOI AGRI:EX

Sent: Thursday, September 6, 2018 11:13 AM

To: Skogstad, Holly AGRI:EX; McQueen, Andrea AGRI:EX

Cc: Simeoni, Adrian AGRI:EX; Margerison, Elizabeth AGRI:EX; AGRI FOI AGRI:EX; Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX; Godfrey, Sam AGRI:EX; Wieczorek, Chris AGRI:EX

Subject: CONSULT: AGR-2018-80191 - due September 14, 2018

The Fisheries and Oceans Canada received this FOI request

"Revised request (June 22, 2018): All information, data, documents, records, communications, and reports relating to the activities, expected activities, and DFO responses to the activities of the Sea Shepherd Martin Sheen vessel, Alexandra Morton, and Indigenous communities addressing fish farms and participating in fish farm related-protest from January 15, 2018 to May 31, 2018."

They identified the attached document(s) as responsive records and wish to get your views on disclosure.
Please indicate the following:

1. *Approved for release with no changes.*

2. *Approved for release with the following changes... (insert changes).*

3. *Not approved for release and why.*

Note that all general FOI request records that are released to an applicant should be published on the Open Information website unless the exemption criteria apply. The exemption criteria can be found on page 11 of the [Open Information and Open Data Policy](#). Consultations from outside provincial public bodies are not published on the Open Information website.

Exercise of Discretion:

The Freedom of Information and Protection of Privacy Act (FOIPPA) contains both mandatory and discretionary exceptions to disclosure. Sections 13 to 20 are the discretionary exceptions. Where Information Access Operations (IAO) has advised the head that a discretionary exception may apply, it is important that the head consider the possibility of releasing the information despite the fact that an exception may apply.

Factors relevant to the exercise of discretion include:

- the general purposes of the legislation: public bodies should make information available to the public; individuals should have access to personal information about themselves;
- the wording of the discretionary exception and the interests which the section attempts to balance;
- whether the individual's request could be satisfied by severing the record and by providing the applicant
- with as much information as is reasonably practicable;
- the historical practice of the public body with respect to the release of similar types of documents;
- the nature of the record and the extent to which the document is significant and/or sensitive to the public body;
- whether the disclosure of the information will increase public confidence in the operation of the public body;
- the age of the record;
- whether there is a sympathetic or compelling need to release materials;
- whether previous orders of the Commissioner have ruled that similar types of records or information should or should not be subject to disclosure; and
- when the policy advice exception is claimed, whether the decision to which the advice or recommendations relates has already been made.

Thank you,

Susan Shust

Correspondence and FOI Services

Deputy Minister's Office | Ministry of Agriculture

Ph: 778-974-3818 | Cell: 250-812-7453

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