

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 8:49 AM
To: Shoemaker, Wes AGRI:EX
Subject: Accepted: Conference call w/Don Wright and Health Lab Staff

Hare, Lynette E AGRI:EX

From: Snyman, Heindrich N AGRI:EX
Sent: Thursday, October 26, 2017 9:46 AM
To: Redford, Tony AGRI:EX; Britton, Ann P AGRI:EX; Bowes, Victoria AGRI:EX; Marty, Gary D AGRI:EX; Raverty, Stephen AGRI:EX; Baseler, Laura AGRI:EX; Doran Kirkbright; McGregor, Glenna AGRI:EX; Pawlik, Michael AGRI:EX
Subject: Phone call with Don Wright - Deputy Minister to the Premier
Importance: High

Hi Everyone,

Don Wright, Deputy Minister to the Premier, will be leading the review of the AHC with regards to the recent allegations of perception of conflict of interest and procedures and processes at the lab. He will be explaining this process and what that is going to look like today at 10:40am.

I think the easiest would be to all just meet in Room 112 (room already booked and will be ready) and call in as a group. Please try to make the time for this call so that we can all get the most appropriate information and all have a chance to ask any questions that might be there or to raise any potential concerns.

1-877-353-9184 s.15

(Wes Shoemaker is the Moderator)

Thanks!
Hein

Hein Snyman, BVSc, DVSc, Diplomate ACVP

Veterinary Pathologist
Acting Leader, Veterinary Science and Diagnostics
Animal Health Centre - British Columbia Ministry of Agriculture
1767 Angus Campbell Road
Abbotsford, BC, V3G 2M3
1-604-556-3025
1-800-661-9903
Heindrich.Snyman@gov.bc.ca

Hare, Lynette E AGRI:EX

From: Boelens, Robert GCPE:EX
Sent: Thursday, October 26, 2017 11:17 AM
To: Marty, Gary D AGRI:EX; McRae, Meghan GCPE:EX
Subject: RE: Times Colonist - Interview Request [correction request]

Here is the transcript Gary, the host read the e-mail you sent as part of the segment, as well as discussing REO / HSMI links and discussions.

CKNW (Vancouver)
CKNW Jon McComb
26-Oct-2017 07:38

Quoted: Jon McComb, Alexandra Morton, (Recording of John Horgan), (Recording of Horgan)

Copyright

Page 004 to/à Page 005

Withheld pursuant to/removed as

Copyright

From: Boelens, Robert GCPE:EX
Sent: Thursday, October 26, 2017 9:13 AM
To: Marty, Gary D AGRI:EX; McRae, Meghan GCPE:EX
Subject: RE: Times Colonist - Interview Request [correction request]

thanks Gary, I'll see if I can get one for you.

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 9:03 AM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: RE: Times Colonist - Interview Request [correction request]

Hi Robert,

Phone Interviews completed yesterday:

Amy Smart Victoria Times Colonist 5:23-5:31pm
Rob Shaw Vancouver Sun 5:32 - 5:48 pm
Dirk Meissner Canadian Press 5:49 – 5:55pm

Interview request today from John O'Dowd CKNW:

"I'm following-up up to see if you would like a right-of-reply to the comments made by Alex Morton on our show this morning.

We have a slot on tomorrow's show (Friday) at 7:46am if you would like to chat with Jon McComb."

The challenge here is that if I do not share information from a BC perspective, our perspective will either not be told, or, the BC perspective might be told by somebody that does not share our perspective."

Is a transcript of the interview with Alex Morton available?

Best regards,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Boelens, Robert GCPE:EX
Sent: Thursday, October 26, 2017 8:28 AM
To: Marty, Gary D AGRI:EX; McRae, Meghan GCPE:EX
Subject: RE: Times Colonist - Interview Request [correction request]

Here it is Gary,

asmart@timescolonist.com

Please let me know of any other interviews you complete as well – I've received no new requests so far - thanks!

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 8:25 AM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: Re: Times Colonist - Interview Request [correction request]

Hi Robert,

I just read Times Colonist article related to my interview. I think it does a fair job of covering my perspective, but one section needs correction:

Current wording: "The Animal Health Centre is the only place in Canada with a board-certified veterinary pathologist who specializes in fish and works in an accredited diagnostic laboratory, Marty said."

Correct wording (important additions in bold): "The Animal Health Centre is the only place in Canada with **team of** a board-certified veterinary pathologists who specialize in fish and work in an accredited diagnostic laboratory, Marty said."

Justification: The availability of a team of pathologists allows for internal review of diagnoses that is not available elsewhere.

Are you able to forward my request? Alternatively, would you be able to send me Amy's e-mail address?

Best regards,

Gary

From: Boelens, Robert GCPE:EX
Sent: October-25-17 12:19 PM
To: Marty, Gary D AGRI:EX; McRae, Meghan GCPE:EX
Subject: RE: Times Colonist - Interview Request

THanks for bringing us into the process Gary, give me a few minutes and I'll give you a call.

From: Marty, Gary D AGRI:EX
Sent: Wednesday, October 25, 2017 12:18 PM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: Times Colonist - Interview Request
Importance: High

Hi Robert and Meghan,

I just received a phone call from Amy Smart at the Times Colonist. She wanted to talk with me about the recent events. I asked if she had your contact information and she said that she did. She asked if I was okay with having you manage my interviews and I said that I was, and that informing you of interview requests is an important part of being on the government team. I also said that I could not recall ever being denied an opportunity, but that this case might be different because of inter-government sensitivities.

Best regards,

Gary

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"I'm following-up up to see if you would like a right-of-reply to the comments made by Alex Morton on our show this morning.

We have a slot on tomorrow's show (Friday) at 7:46am if you would like to chat with Jon McComb."

The challenge here is that if I do not share information from a BC perspective, our perspective will either not be told, or, the BC perspective might be told by somebody that does not share our perspective."

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Correct wording (important additions in bold): "The Animal Health Centre is the only place in Canada with **team of** a board-certified veterinary pathologists who specialize in fish and work in an accredited diagnostic laboratory, Marty said."

Justification: The availability of a team of pathologists allows for internal review of diagnoses that is not available elsewhere.

Are you able to forward my request? Alternatively, would you be able to send me Amy's e-mail address?

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Best regards,

Gary

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Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 12:57 PM
To: 'Andrew Nikiforuk'
Subject: RE: Any comment on investigation

Hi Andrew,

I just opened your e-mail... Here is some information about this situation:

As part of my work as a board-certified veterinary pathologist, my diagnoses are always subject to review or second opinion by other professionals.

The situation developing this week is unusual in that it has caught the public eye, but otherwise, review of my work is routine.

I and the other professionals at the BC Animal Health Centre work to provide reliable diagnostic services so that people can make informed decisions about their animals (or animals under their control). We provide these services to all that ask, with no discrimination based on political persuasion or personal views. My understanding is that providing diagnostic services to all who need such services is considered a "best practice" in diagnostic medicine.

Let me know if you have specific questions, and I can try to answer them.

Sincerely,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

-----Original Message-----

From: Andrew Nikiforuk [<mailto:andrew@andrewnikiforuk.com>]
Sent: Thursday, October 26, 2017 9:45 AM
To: Marty, Gary D AGRI:EX
Subject: Any comment on investigation

Hi Gary: Just wonder if you have any comment about the government investigation and allegations of conflict of interest with Marine Harvest? Best, Andrew Nikiforuk for the Tyee

(Have a very short deadline today—would need a response by noon. Thanks.)

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 1:46 PM
To: 'John O'Dowd'
Subject: RE: CKNW - Interview Request

Hi John,

Thank you for the opportunity to provide a comment on today's show. Some points of clarification are needed:

Ms. Morton: "But Dr Marty is an outlier, and he says, in British Columbia it doesn't look like it's causing disease."

Dr. Marty: My conclusion that BC PRV does not cause disease in BC salmon is based on peer-reviewed science that used BC salmon and BC PRV; for example:

Garver, K.A., et al. 2016. Piscine reovirus, but not jaundice syndrome, was transmissible to Chinook salmon, *Oncorhynchus tshawytscha* (Walbaum), sockeye salmon, *Oncorhynchus nerka* (Walbaum), and Atlantic salmon, *Salmo salar* L. J. Fish Dis. 39:117-128.

Ms. Morton: "But in fact, [Dr. Marty] was finding heart disease."

Dr. Marty: This statement is correct. BC has been tracking various types of unexplained heart disease since 1990. For BC farmed Atlantic salmon, each year since 2006 these heart diseases kill ~2 fish per 1,000. In a scientific paper published this year by Dr. Miller's research group, a different name (HSMI) was reported for the heart disease in some of these fish. The heart disease is not new to BC, just the name. Changing the name of a disease is not a threat to wild salmon.

Ms. Morton: "So when he says HSMI does not occur on British Columbia, the readers of his science suspect that he's using the classic definition that everybody else is using, but in fact he added two elements..."

Dr. Marty: My readers are correct. My definition of HSMI is based on a peer-reviewed scientific paper that was published in 2007. Regarding the diagnosis of European heart disease, the paper includes, "It is important to make a sound diagnosis based on a combination of clinical signs, gross and histopathology". I consult with our licenced regulatory veterinarians that work for BC or DFO. They have access to farm mortality records during their 120 BC salmon farm audits every year, and they tell me that the fish that I diagnose with unexplained heart disease do not have clinical signs of the severe European form of HSMI. I believe our licenced regulatory veterinarians.

[McLoughlin, M.F. and D.A. Graham. 2007. Alphavirus infections in salmonids – a review. Journal of Fish Diseases 30, 511–531.]

A point of clarification: the BC Animal Health Centre is an independently accredited **veterinary diagnostic laboratory**, and my position is as a fish pathologist. We sometimes provide diagnostic services for scientific studies, but we are not a research laboratory.

Best regards,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.

Abbotsford, BC, V3G 2M3
604-556-3123

From: John O'Dowd [mailto:john@cknw.com]
Sent: Thursday, October 26, 2017 7:59 AM
To: Marty, Gary D AGRI:EX
Cc: Townsend, Dave H GCPE:EX
Subject: Re: CKNW - Interview Request

Hi Gary,

I'm following-up up to see if you would like a right-of-reply to the comments made by Alex Morton on our show this morning.

We have a slot on tomorrow's show (Friday) at 7:46am if you would like to chat with Jon McComb.

Thanks,
John



John O'Dowd M.A. | Senior Producer | The Jon McComb Show | T. 604.331.2795 | @JohnODowdIRL
john@cknw.com | www.cknw.com | 2000-700 West Georgia Street, Vancouver B.C., Canada V7K 1K9

From: Marty, Gary D AGRI:EX <Gary.Marty@gov.bc.ca>
Sent: 25 October 2017 18:27
To: John O'Dowd
Subject: RE: CKNW - Interview Request

Hi John,

Thanks you for the invitation to appear on your show.

As part of my work as a board-certified veterinary pathologist, my diagnoses are always subject to review or second opinion by other professionals.

The situation developing this week is unusual in that it has caught the public eye, but otherwise, review of my work is routine.

I and the other professionals at the BC Animal Health Centre work to provide reliable diagnostic services so that people can make informed decisions about their animals (or animals under their control). We provide these services to all that ask, with no discrimination based on political persuasion or personal views.

I have no concerns that I will be fired.

Because of the intergovernmental sensitivities of this situation, I am not comfortable with a live radio interview, so I respectfully decline your invitation. However, I am able to respond to questions in writing.

Sincerely,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: John O'Dowd [<mailto:john@cknw.com>]
Sent: Wednesday, October 25, 2017 11:40 AM
To: Marty, Gary D AGRI:EX
Subject: CKNW - Interview Request
Importance: High

Hi Dr. Marty,

My name is John O'Dowd and I am the Senior Producer of The Jon McComb Show on CKNW radio in Vancouver. We were hoping you would be available to chat with Jon on tomorrow's show at 7:35am PT regarding the Minister's review and the reasoning behind it?

It would be a live 5-6 minute phone interview with general questions.

Looking forward to hearing from you.

Kind regards,
John



John O'Dowd M.A. | Senior Producer | The Jon McComb Show | T. 604.331.2795 | [@JohnODowdIRL](https://twitter.com/JohnODowdIRL)
john@cknw.com | www.cknw.com | 2000-700 West Georgia Street, Vancouver B.C., Canada V7K 1K9

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 2:00 PM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: Interview Request -update

Hi Robert and Meghan,

Here is update on today's requests:

Ian Bailey, Globe and Mail – request for phone interview. I asked for written questions.

John O'Dowd – request for follow-up interview. I provided a written response (similar to what I have below):

Thank you for the opportunity to provide a comment on today's show. Some points of clarification are needed:

Ms. Morton: "But Dr Marty is an outlier, and he says, in British Columbia it doesn't look like it's causing disease."

Dr. Marty: My conclusion that BC PRV does not cause disease in BC salmon is based on peer-reviewed science that used BC salmon and BC PRV; for example:

Garver, K.A., et al. 2016. Piscine reovirus, but not jaundice syndrome, was transmissible to Chinook salmon, *Oncorhynchus tshawytscha* (Walbaum), sockeye salmon, *Oncorhynchus nerka* (Walbaum), and Atlantic salmon, *Salmo salar* L. J. Fish Dis. 39:117-128.

Ms. Morton: "But in fact, [Dr. Marty] was finding heart disease."

Dr. Marty: This statement is correct, but changing the name of a disease is not a threat to wild salmon. BC has been tracking various types of unexplained heart disease in farm salmon since 1990. For BC farmed Atlantic salmon, each year since 2006 these heart diseases kill ~2 fish per 1,000. In a scientific paper published this year by Dr. Miller's research group, a different name (HSMI) was reported for the heart disease in some of these fish. The heart disease is not new to BC, just the name.

Ms. Morton: "So when he says HSMI does not occur on British Columbia, the readers of his science suspect that he's using the classic definition that everybody else is using, but in fact he added two elements..."

Dr. Marty: My readers are correct. My definition of HSMI is based on a peer-reviewed scientific paper that was published in 2007. Regarding the diagnosis of European heart disease, the paper includes, "It is important to make a sound diagnosis based on a combination of clinical signs, gross and histopathology". I consult with our licenced regulatory veterinarians that work for BC or DFO. They have access to farm mortality records during their 120 BC salmon farm audits every year, and they tell me that the fish that I diagnose with unexplained heart disease do not have clinical signs of the severe European form of HSMI. I believe our licenced regulatory veterinarians.

[McLoughlin, M.F. and D.A. Graham. 2007. Alphavirus infections in salmonids – a review. Journal of Fish Diseases 30, 511–531.]

A point of clarification: the BC Animal Health Centre is an independently accredited **veterinary diagnostic laboratory**, and my position is as a fish pathologist. We sometimes provide diagnostic services for scientific studies, but we are not a research laboratory.

Best regards,

Gary

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604-556-3123

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Friday, October 27, 2017 7:35 AM
To: Pritchard, Jane AGRI:EX
Subject: Fw: E-mails/Animal Health Center

Hi Jane,

Here is the other e-mail that I provided the Globe and Mail for their feature on the "perceived conflict of interest story".

I do not have permission to disclose specifics, but as an example that we provide diagnostic services to clients with different views, we provide diagnostic services for the Kuterra land based Atlantic salmon farming operation, which is operated by the Namgis First Nation of Alert Bay, members of which are occupying [or supporting the occupiers of] the salmon farm of one of our other clients: Marine Harvest Canada.

Gary

From: Marty, Gary D AGRI:EX
Sent: October-26-17 11:53 PM
To: Bailey, Ian
Subject: Re: E-mails/Animal Health Center

Hi Ian,

Am I correct that you want information about diagnostic services related to fish other than commercial food aquaculture? If so, I recommend asking our communications staff about a person that could provide you with these data (we might not be able to provide dependable numbers by your deadline).

In the meantime, here is a list of our other clients/industries that we are working with or have worked with over the past few years (many of these projects involve testing samples from hundreds of fish):

1. Environment and Climate Change Canada projects:
 - A. assessing the health of fish in oil sands effluent receiving waters
 - B. Assessing the health of fish in contaminated area of the Great Lakes
 - C. Assisting with wild fish kill investigations
2. Parks Canada - testing samples from wild salmonids from Alberta and BC for the cause of whirling disease.
3. UBC, University of Victoria, Simon Fraser University, University of Calgary - we provide diagnostic services for their Animal Care Service veterinarians (this is primarily for fish used as laboratory animals).
4. Canadian Food Inspection Agency (CFIA) - we provided PCR testing for the ISA virus on farm salmon to help CFIA determine whether western Canada has the ISA virus.

5. Oil sands industry - we provided diagnostic services on juvenile rainbow trout that were used for testing the efficacy of methods to reduce [toxicity of] fracking effluents.
6. Juvenile rainbow trout producers - we provided diagnostic services for the companies that supply the juvenile trout for toxicity testing by the oil sands industry.
7. Vancouver Aquarium (and other smaller display aquaria around BC) we provide diagnostic services for fish that die while in their care.
8. Vancouver Water and Sewage District - we provide diagnostic services to determine the health of fish living near Vancouver sewage outflows.
9. Fisheries and Oceans Canada (DFO) - we provide diagnostic services for laboratory research projects (e.g., to determine if Jaundice is an infectious disease in Chinook salmon) and for studies of wild salmon health (e.g., juvenile pink salmon gill parasites).
10. Pet fish hobbyists - we occasionally provide diagnostic services for pet fish owners (e.g., koi carp).

Because our team of fish pathologists has recently increased to four veterinarians, I anticipate that opportunities for these types of diagnostic services will increase.

Best regards,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
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1767 Angus Campbell Rd.
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604-556-3123

From: Bailey, Ian <IBailey@globeandmail.com>

Sent: October-26-17 6:12 PM

To: Marty, Gary D AGRI:EX

Subject: RE: E-mails/Animal Health Center

One other question:

-Are you able to quantify the amount of work the centre has done in the aquaculture sector as a proportion of work compared to work outside the sector?

Regards

Ian Bailey



Ian Bailey | Reporter B.C. Bureau

p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com
[@ianabailey](https://www.ianabailey.com)

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Friday, October 27, 2017 7:25 AM
To: Pritchard, Jane AGRI:EX
Subject: Fw: E-mails/Animal Health Center [FYI]

Hi Jane,

It looks like the Globe and Mail is doing a feature on the "perceived conflict of interest story" for Saturday's edition. In addition to the basic questions below, reporter Ian Bailey--in an e-mail to follow--has asked me some high-level questions about the lab. I referred him to Meghan and Robert, with a suggestion that he contact you (or another manager). This is a great opportunity to highlight what is special about the lab, and I am confident that you can do that better than I can.

FYI - Here is a copy of one of my replies with Ian (the other one will follow).

Gary

From: Marty, Gary D AGRI:EX
Sent: October-26-17 3:14 PM
To: 'Bailey, Ian'
Subject: RE: E-mails/Animal Health Center

Hi Ian,

See my answers below.

Best regards,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
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From: Bailey, Ian [mailto:IBailey@globeandmail.com]
Sent: Thursday, October 26, 2017 2:01 PM
To: Marty, Gary D AGRI:EX
Subject: E-mails/Animal Health Center

Hello Dr. Marty,

Further to our phone conversation of a few moments ago.

1-Are you able to confirm the veracity of the e-mail string above?

Dr. Marty: Yes. Changing the name of a disease is not a threat to wild salmon.

BC has been tracking various types of unexplained heart disease in farm salmon since 1990. Each year since 2006 these heart diseases kill ~2 fish per 1,000 BC farmed Atlantic salmon.

In a scientific paper published this year by Dr. Miller's research group, a different name (HSMI) was reported for the heart disease in some of these fish. The new scientific paper provides helpful information about the progression of the disease over time on a BC farm. The paper also reported that the disease killed less than 1% of the fish on the farm. However, the heart disease is not new to BC, just the name.

2-Can you explain your past acknowledgement that there could be an appearance of conflict in the operation of the Animal Health Center?

Dr. Marty: I and the other professionals at the BC Animal Health Centre provide reliable diagnostic services to people that need to make informed decisions about their animals. We provide these services to all that ask, with no discrimination based on political persuasion, personal views, or source of funds.

I recognize that our clients sometimes have different interests, and some people might question whether providing diagnostic services for all animals represents a conflict of interest.

However, I believe strongly that we must provide diagnostic services for all animals that need such service. I also believe strongly that providing unquestioned diagnostic services for all animals does **not** constitute a conflict of interest. Indeed, our diverse client base is evidence that we provide reliable diagnostic services.

3.-Is it unusual that your lab would be doing work for both government and private industry?

Dr. Marty: No. doing work for both government and private industry is a "best practice" in diagnostic medicine. A very important reason that government's support veterinary diagnostic laboratories is so that animal owners (including private industry) submit samples from sick animals for diagnostic testing.

Worldwide, government provision of diagnostic services is a fundamental component of disease control in animals. We need to diagnose serious disease outbreaks as soon as possible, but we can do that only if all animal owners are encouraged to submit their sick animals to us for testing.

Because many animal diseases can also infect humans, early diagnosis is also a fundamental component of controlling and preventing disease in people.

4-Are you confident in the work of the center? If so, why?

Dr. Marty: Yes. Our laboratory is independently accredited by the Standards Council of Canada (ISO17025) and the American Association of Veterinary Laboratory Diagnosticians (AAVLD). We are one of only three diagnostic laboratories in Canada with such designation.

5-What makes your lab distinct among labs in Canada? Is yours the only one that tests fish?

Dr. Marty: Our laboratory is the only AAVLD-accredited laboratory in Canada that is not associated closely with a Veterinary school. However, several of our senior staff have academic appointments at major universities (e.g., The University of California-Davis, UBC, and the University of Manitoba).

Many other laboratories in Canada test fish samples, but we are the only laboratory with 4 board-certified veterinary pathologists that work almost exclusively with fish (two of these pathologist also have Ph.D. degrees).

[Let me know if you have any questions.]

I am working towards a 4 pm PT deadline so would need any comment from you by 3:30 pm PT. Thanks for your attention to my query.

Regards

Ian Bailey



Ian Bailey | Reporter B.C. Bureau

p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com
[@ianabailey](mailto:ibailey@globeandmail.com)

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
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To: Bailey, Ian
Subject: Re: E-mails/Animal Health Center

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4. Canadian Food Inspection Agency (CFIA) - we provided PCR testing for the ISA virus on farm salmon to help CFIA determine whether western Canada has the ISA virus.
5. Oil sands industry - we provided diagnostic services on juvenile rainbow trout that were used for testing the efficacy of methods to reduce fracking effluents.
6. Juvenile rainbow trout producers - we provided diagnostic services for the companies that supply the juvenile trout for toxicity testing by the oil sands industry.
7. Vancouver Aquarium (and other smaller display aquaria around BC) we provide diagnostic services for fish that die while in their care.
8. Vancouver Water and Sewage District - we provide diagnostic services to determine the health of fish living near Vancouver sewage outflows.
9. Fisheries and Oceans Canada (DFO) - we provide diagnostic services for laboratory research projects (e.g., to determine if Jaundice is an infectious disease in Chinook salmon) and for studies of wild salmon health (e.g., juvenile pink salmon gill parasites).
10. Pet fish hobbyists - we occasionally provide diagnostic services for pet fish owners (e.g., koi carp).

Because our team of fish pathologists has recently increased to four veterinarians, I anticipate that opportunities for these types of diagnostic services will increase.

Best regards,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Bailey, Ian <IBailey@globeandmail.com>

Sent: October-26-17 6:12 PM

To: Marty, Gary D AGRI:EX

Subject: RE: E-mails/Animal Health Center

One other question:

-Are you able to quantify the amount of work the centre has done in the aquaculture sector as a proportion of work compared to work outside the sector?

Regards
Ian Bailey



Ian Bailey | Reporter B.C. Bureau

p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com
[@ianabailey](https://www.instagram.com/ianabailey)

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 11:21 PM
To: Bailey, Ian
Cc: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: Re: E-mails/Animal Health Center

Hi Ian,

These are all very good questions, but they would be best answered by a one of our managers (e.g., the director of the Plant and Animal Health Branch, Dr. Jane Pritchard). Please contact our communications office (CCed above) to enquire about the availability of one of our managers.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: October-26-17 5:09 PM
To: Marty, Gary D AGRI:EX
Subject: RE: E-mails/Animal Health Center

We are now doing a more expansive piece on these matters for the Saturday paper. That said, your answers are hugely helpful.

Still, there are a few more questions, some quite obvious. I would need answers by 11 am PT on Friday:

- 1-What do you make of the review of the laboratory announced this week by the premier?
- 2-How do you think the centre will emerge from the scrutiny of this review?
- 3-Are you able to provide an example of notable work on a particular file that the centre has done that allows it to stand out from other facilities, including a finding that would have made a difference to the public?
- 4-How long has the centre been in operation? Is there anything you can say about the number of staff on duty for its operations?



Ian Bailey | Reporter B.C. Bureau

p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com
[@ianabailey](#)

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 3:58 PM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: FW: E-mails/Animal Health Center

Hi Robert and Meghan,

Here is what I sent to Ian Bailey of the Globe and Mail.

Best regards,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 3:14 PM
To: 'Bailey, Ian'
Subject: RE: E-mails/Animal Health Center

Hi Ian,

See my answers below.

Best regards,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Bailey, Ian [<mailto:IBailey@globeandmail.com>]
Sent: Thursday, October 26, 2017 2:01 PM
To: Marty, Gary D AGRI:EX
Subject: E-mails/Animal Health Center

Hello Dr. Marty,
Further to our phone conversation of a few moments ago.

1-Are you able to confirm the veracity of the e-mail string above?

Dr. Marty: Yes. Changing the name of a disease is not a threat to wild salmon.

BC has been tracking various types of unexplained heart disease in farm salmon since 1990. Each year since 2006 these heart diseases kill ~2 fish per 1,000 BC farmed Atlantic salmon.

In a scientific paper published this year by Dr. Miller's research group, a different name (HSMI) was reported for the heart disease in some of these fish. The new scientific paper provides helpful information about the progression of the disease over time on a BC farm. The paper also reported that the disease killed less than 1% of the fish on the farm. However, the heart disease is not new to BC, just the name.

2-Can you explain your past acknowledgement that there could be an appearance of conflict in the operation of the Animal Health Center?

Dr. Marty: I and the other professionals at the BC Animal Health Centre provide reliable diagnostic services to people that need to make informed decisions about their animals. We provide these services to all that ask, with no discrimination based on political persuasion, personal views, or source of funds.

I recognize that our clients sometimes have different interests, and some people might question whether providing diagnostic services for all animals represents a conflict of interest.

However, I believe strongly that we must provide diagnostic services for all animals that need such service. I also believe strongly that providing unquestioned diagnostic services for all animals does **not** constitute a conflict of interest. Indeed, our diverse client base is evidence that we provide reliable diagnostic services.

3.-Is it unusual that your lab would be doing work for both government and private industry?

Dr. Marty: No. doing work for both government and private industry is a "best practice" in diagnostic medicine. A very important reason that government's support veterinary diagnostic laboratories is so that animal owners (including private industry) submit samples from sick animals for diagnostic testing.

Worldwide, government provision of diagnostic services is a fundamental component of disease control in animals. We need to diagnose serious disease outbreaks as soon as possible, but we can do that only if all animal owners are encouraged to submit their sick animals to us for testing.

Because many animal diseases can also infect humans, early diagnosis is also a fundamental component of controlling and preventing disease in people.

4-Are you confident in the work of the center? If so, why?

Dr. Marty: Yes. Our laboratory is independently accredited by the Standards Council of Canada (ISO17025) and the American Association of Veterinary Laboratory Diagnosticians (AAVLD). We are one of only three diagnostic laboratories in Canada with such designation.

5-What makes your lab distinct among labs in Canada? Is yours the only one that tests fish?

Dr. Marty: Our laboratory is the only AAVLD-accredited laboratory in Canada that is not associated closely with a Veterinary school. However, several of our senior staff have academic appointments at major universities (e.g., The University of California-Davis, UBC, and the University of Manitoba).

Many other laboratories in Canada test fish samples, but we are the only laboratory with 4 board-certified veterinary pathologists that work almost exclusively with fish (two of these pathologist also have Ph.D. degrees).

[Let me know if you have any questions.]

I am working towards a 4 pm PT deadline so would need any comment from you by 3:30 pm PT. Thanks for your attention to my query.

Regards
Ian Bailey



Ian Bailey | Reporter B.C. Bureau
p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com
[@ianabailey](mailto:ibailey@globeandmail.com)

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 3:14 PM
To: 'Bailey, Ian'
Subject: RE: E-mails/Animal Health Center

Hi Ian,

See my answers below.

Best regards,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Bailey, Ian [<mailto:IBailey@globeandmail.com>]
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To: Marty, Gary D AGRI:EX
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Worldwide, government provision of diagnostic services is a fundamental component of disease control in animals. We need to diagnose serious disease outbreaks as soon as possible, but we can do that only if all animal owners are encouraged to submit their sick animals to us for testing.

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Dr. Marty: Our laboratory is the only AAVLD-accredited laboratory in Canada that is not associated closely with a Veterinary school. However, several of our senior staff have academic appointments at major universities (e.g., The University of California-Davis, UBC, and the University of Manitoba).

Many other laboratories in Canada test fish samples, but we are the only laboratory with 4 board-certified veterinary pathologists that work almost exclusively with fish (two of these pathologist also have Ph.D. degrees).

[Let me know if you have any questions.]

I am working towards a 4 pm PT deadline so would need any comment from you by 3:30 pm PT. Thanks for your attention to my query.

Regards
Ian Bailey



Ian Bailey | Reporter B.C. Bureau
p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com
[@ianabailey](https://www.instagram.com/ianabailey)

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Friday, October 27, 2017 9:10 AM
To: Viney, Ursula E AGRI:EX
Cc: Pritchard, Jane AGRI:EX
Subject: FW: E-mails/Animal Health Center

Hi Ursula,

Just to let you know that this question might be reaching your desk soon.

Gary

-----Original Message-----

From: Bailey, Ian [<mailto:IBailey@globeandmail.com>]
Sent: Friday, October 27, 2017 9:08 AM
To: McRae, Meghan GCPE:EX; Marty, Gary D AGRI:EX
Cc: Boelens, Robert GCPE:EX
Subject: RE: E-mails/Animal Health Center

We are also interested in a breakdown of the lab's funding: How much from the BC government, how much from the private sector through payment for services, how much, if any, from the federal government, including DFO? Also is there any specific breakout of how much from the aquaculture sector?

-----Original Message-----

From: McRae, Meghan GCPE:EX [<mailto:Meghan.McRae@gov.bc.ca>]
Sent: Friday, October 27, 2017 6:20 AM
To: Marty, Gary D AGRI:EX
Cc: Bailey, Ian; Boelens, Robert GCPE:EX
Subject: Re: E-mails/Animal Health Center

Thanks Gary,

Ian, we'll see what we can provide you with on background to answer the last two questions by your deadline.

We worked on background for Justine yesterday for this piece, I'm assuming you're aware of that.

Thanks,
Meghan
Sent from my iPhone

On Oct 26, 2017, at 11:21 PM, Marty, Gary D AGRI:EX <Gary.Marty@gov.bc.ca<<mailto:Gary.Marty@gov.bc.ca>>> wrote:

Hi Ian,

These are all very good questions, but they would be best answered by a one of our managers (e.g., the director of the Plant and Animal Health Branch, Dr. Jane Pritchard). Please contact our communications office (CCed above) to enquire about the availability of one of our managers.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Bailey, Ian <IBailey@globeandmail.com<<mailto:IBailey@globeandmail.com>>>
Sent: October-26-17 5:09 PM
To: Marty, Gary D AGRI:EX
Subject: RE: E-mails/Animal Health Center

We are now doing a more expansive piece on these matters for the Saturday paper. That said, your answers are hugely helpful.

Still, there are a few more questions, some quite obvious. I would need answers by 11 am PT on Friday:

1-What do you make of the review of the laboratory announced this week by the premier?

2-How do you think the centre will emerge from the scrutiny of this review?

3-Are you able to provide an example of notable work on a particular file that the centre has done that allows it to stand out from other facilities, including a finding that would have made a difference to the public?

4-How long has the centre been in operation? Is there anything you can say about the number of staff on duty for its operations?

<image001.jpg>

Ian Bailey | Reporter B.C. Bureau

p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com<<mailto:youremail@globeandmail.com>>
[@ianabailey](mailto:ianabailey)

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Saturday, October 28, 2017 9:19 AM
To: 'Bailey, Ian'
Subject: Request for clarification

Hi Ian,

I just read the Globe and Mail story. Overall, it does a good job of presenting the two sides of the issue.

One part, however, is not correct. Would it be possible to revise the online version of the story?

Current wording: "In his e-mail to Dr. Miller, he said he had discovered the symptoms of the disease in 2013"

Correct wording: "In his e-mail to Dr. Miller, he said he had ~~discovered~~ **publicly reported** the ~~symptoms of the disease~~ two microscopic diagnostic features of HSMI in 2013"

Background: Consistent with what I shared with Dr. Miller, I do not want to be seen as a person that takes credit for discoveries that were previously reported by other scientists. The discovery of heart inflammation (myocarditis and cardiomyopathy) in BC farmed Atlantic salmon would be better attributed a report that is based on samples collected in November 1990 (see the answer to the first question in my reply to you, Thu 2017-10-26 3:14 PM):

Brackett, J., G. Newbound, and D. Speare. 1991. A fall survey of saltwater morbidity and mortality in farmed salmon in British Columbia. British Columbia Ministry of Agriculture and Fisheries. 48 pp.

The authors did not discuss HSMI in their 1991 report because HSMI was not identified as a disease anywhere in the world until 1999. This may be confirmed by contacting the authors:

Dr. Jim Brackett – brackett@syndel.com

Dr. David Speare (Editor-in-Cheif, Journal of Fish Diseases) – speare@upei.ca

(I do not have contact information for Dr. Newbound)

A minor point, but HSMI is a disease, not a virus. Therefore, it is not correct to say that "...fish were not infected with HSMI". The correct terminology would be to say, "...fish did not have HSMI".

Finally, the standard that is used for the diagnosis of HSMI by licensed BC veterinarians (regulatory, diagnostic, and private) is based on a peer-reviewed scientific paper published in the Journal of Fish Disease in 2007 [30(9):511-531], "It is important to make a sound diagnosis based on a combination of clinical signs, gross and histopathology." In contrast, Dr. Miller's group uses a case definition of HSMI that does not include clinical signs or gross pathology.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Friday, October 27, 2017 3:59 PM
To: s.22 AGRI:EX; Pritchard, Jane AGRI:EX
Subject: RE: Sending you my support

Hi s.22

It has been an unusual week. Thank you for your words of support.

Best regards,

Gary

From: s.22 AGRI:EX
Sent: Wednesday, October 25, 2017 1:30 PM
To: Pritchard, Jane AGRI:EX; Marty, Gary D AGRI:EX
Subject: Sending you my support

Hi Jane and Gary,

I have been following with horror what is transpiring with regard to the 'investigation' into Gary's work.

Gary – s.22 I can say with utter certainty that you conduct your work with the utmost precision and integrity. Indeed, you are the absolute last scientist that should ever have their reputation impugned in this manner.

Jane – you run an incredibly tight ship. You are an incredible leader and inspire us all to achieve and maintain the highest possible standards that any lab could possibly achieve.

The Ministry is incredibly lucky to have both of you and I am honored to work with you.

Please let me know if there is anything that I can do to help or support you both.

Sincerely,

s.22

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Saturday, October 28, 2017 9:32 AM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: Andrew Nikiforuk

Hi Robert and Meghan,

I received an e-mail from Andrew Nikiforuk on Thu 2017-10-26 12:57 PM asking for comments about the week's activities. I have had an ongoing e-mail exchange with Mr. Nikiforuk, so I replied with some of the same information that I had earlier provided to CKNW:

"As part of my work as a board-certified veterinary pathologist, my diagnoses are always subject to review or second opinion by other professionals.

The situation developing this week is unusual in that it has caught the public eye, but otherwise, review of my work is routine.

I and the other professionals at the BC Animal Health Centre work to provide reliable diagnostic services so that people can make informed decisions about their animals (or animals under their control). We provide these services to all that ask, with no discrimination based on political persuasion or personal views. My understanding is that providing diagnostic services to all who need such services is considered a "best practice" in diagnostic medicine."

The first two sentences were quoted (at the end of the story), but the last paragraph was not:
<https://thetyee.ca/News/2017/10/26/Fish-Farm-Occupations-Political-Drama/>

Best regards,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 9:41 AM
To: 'Keith, Ian (Ian.Keith@dfo-mpo.gc.ca)'; 'MARK SHEPPARD s.22'; 'David Speare'
Subject: CTV W5 may request information
Attachments: CTV - W5 Salmon Story: Request for Correction

Hi Ian, Mark, and David,

In a story aired on CTV W5 (October 14, 2011), a scientist refers to my work: "even if it isn't a conflict of interest, it certainly, um, has the appearance of one". The quote is repeated in a short follow-up story that appeared online late last week.

In the context of the story, this scientist was referring to (i) my work with BC's Fish Health Audit and Surveillance Program, and (ii) my publication of scientific research in the Journal of Fish Diseases.

The story included at least one false statement, and the story did not provide any information about the Journal of Fish Diseases' "conflict of interest" requirement.

Therefore, I sent a request to the producer for a correction. I included your name as somebody that could contact for more information. A copy of my e-mail is attached for your reference.

Thank you for your assistance.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 9:08 AM
To: 'Barry Backus'
Subject: CTV - W5 Salmon Story: Request for Correction

Dear Mr. Backus,

When I first watched the W5 program, "W5 investigates the battle over farmed Atlantic salmon on the B.C. coast," I was surprised to hear Dr. Miller's statement:

Part Two, 8:08 [Dr. Miller, in response to a question about Dr. Marty] – "He has a relationship with the industry, and he also is, you know, the person doing the pathology associated with the regulatory program. And, it is, even if it isn't a conflict of interest, it certainly, um, has the appearance of one."

This segment is also partly repeated in "W5: Update: Farm Trouble"

Source: <http://www.ctvnews.ca/w5/w5-investigates-the-battle-over-farmed-atlantic-salmon-on-the-b-c-coast-1.3631634>

0:47 - Dr. Miller: "even if it isn't a conflict of interest, it certainly, um, has the appearance of one"

...with new footage from Premier John (not Joe) Horgan

0:59 – "Last I checked W5 wasn't Fox News, and I think they can be counted on to report on events that are happening in communities..."

I was surprised to see Dr. Miller's statement because on September 29, 2017, I received from Dr. Miller a draft manuscript for a research project that we have been working on collaboratively for several years. Included in the coauthor list are two employees of Creative Salmon Company (i.e., employees of "the industry").

I was also disappointed to see in the original story that Mr. Akman stated something which is not correct; this error might falsely support a conflict of interest accusation:

Part Two, 7:02 [emphasis mine] – Gary Marty responds, "Well, the first time I reported, um, abnormalities in the heart that looked like HSMI was in 2008. When I talk to **our veterinarians**, they tell me that we don't have the serious clinical disease that they have in Norway, and so we don't use the term HSMI like they do in Norway. We prefer a more general term, um, to the public it would just be, 'heart disease of unknown cause'."

Part Two, 7:27 [emphasis mine] – Mr. Akman continues, "But those veterinarians he's talking about **actually work for the fish farms**, and the relationship goes further..."

More information: Regarding which veterinarians I was talking about, **Mr. Akman is not correct**. By "our veterinarians," I was referring to the licensed regulatory fish health veterinarians—Drs. Ian Keith and Mark Sheppard—who worked for the BC Ministry of Agriculture when we discussed this issue in the late 2000s. Both of "our veterinarians" had access to farm mortality records as part of their duties running the BC Fish Health Auditing and Surveillance Program. When BC ran the program in the 2000s, government regulators conducted 120 on-farm "fish health" audits every year. Therefore, these veterinarians were able to provide me with the information I needed to arrive at my conclusion about whether BC farms had the severe Norwegian form of HSMI. Now that salmon farm licensing has moved to Fisheries and Oceans Canada (DFO), I continue to talk with DFO's regulatory veterinarians, and they assure me that the situation on the farms has not changed since the 2000s. Mr. Akman could have asked me for clarification, but he did not.

Contact information for confirmation:

Dr. Ian Keith; 250-703-0917; <Ian.Keith@dfo-mpo.gc.ca>

Dr. Mark Sheppard; s.22

On October 25, 2017, my Deputy Minister suggested that I seek out legal advice, with reference to these public insinuations of conflict of interest.

On October 26, 2017, the director of my branch told me that even "a perception of conflict" of interest could end my career with the BC Public Service.

What is "best practices" for investigative journalism when one person accuses another of actions that could end the other person's career?

Fairness – Is it "best practices" to **not** provide the accused an opportunity to respond to the allegations?

Truthfulness – Is it "best practices" for a reporter to provide additional unsubstantiated information (e.g., what I meant by "our" veterinarians) to support the accusation?

Reliable sources/ Fact checking – As posted on their website, the Journal of Fish Diseases requires all authors to "to provide a conflict of interest statement during the submission process." Did W5 contact the editor to ask his opinion about conflict of interest on my 2014 scientific paper that is posted on the W5 website? [Piscine reovirus in wild and farmed salmonids in British Columbia, Canada: 1974–2013.]

I prefer not to take legal action to resolve this matter, but I am concerned that Mr. Akman's incorrect statement will decrease the public's confidence in my diagnostic results and all diagnostic results of the BC Animal Health Centre. I am also concerned that Mr. Akman's incorrect statement could be used to falsely support the conflict of interest allegation.

I am hopeful that an appropriate public correction regarding the veterinarians that I consulted can be made before the end of the week (Nov. 4). If not, I plan to seek out legal advice.

Sincerely,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 9:58 AM
To: s.22 ; 'Barb Cannon'
Cc: 'Tim Rundle - Creative Salmon'
Subject: Update on my review

Dear Coauthors,

As some of you might know, this past week I have been dealing with the ramifications of a potentially career-ending accusation of conflict of interest from our other coauthor (it first aired on CTV's W5 on October 14, 2017). Therefore, I have not had time to review our manuscript. However, it looks like I might have some time today to work on the manuscript.

As I have told reporters that have enquired about this issue, the policy of the BC Ministry of Agriculture's Animal Health Centre is to provide reliable diagnostic services for all animal submissions regardless of the submitter's political persuasion, personal views, or source of funds. Our manuscript fits into this policy, and I will do my best to provide the same type of advice to my coauthors under these circumstances that I would if the coauthors had instead nominated me of the Nobel Prize in Fish Pathology.

Best regards,

Gary

Gary D. Marty, Senior Fish Pathologist
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1767 Angus Campbell Rd.
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Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 11:55 AM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: FW: APTN National News Interview Request

Hi Robert and Meghan,

Here is an interesting opportunity. As I just wrote to my superiors, "This situation is an unprecedented opportunity to provide my perspective on the situation. If I do not share my perspective, the perspective that is reported might not be my perspective."

One challenge for me is that I tend to talk too fast. Would written responses work for this interview?

Best regards,


Gary

From: Laurie Hamelin [<mailto:lahamelin@aptn.ca>]
Sent: Monday, October 30, 2017 11:31 AM
To: Marty, Gary D AGRI:EX
Subject: APTN National News Interview Request

Hello,

I am hoping you are available to do a recorded phone interview for a story I am doing on the review into BCs Animal Testing Lab. I am available after 3pm today. I look forward to your reply.

Thank you,
Laurie

 **Laurie Hamelin**
Camera Editor (Casual)
Aboriginal Peoples Television Network

North Vancouver, British Columbia V7P 3J3

lahamelin@aptn.ca

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F:
C:
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Please consider the environment before printing this e-mail.

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 11:51 AM
To: Pritchard, Jane AGRI:EX; Mack, James AGRI:EX; Shoemaker, Wes AGRI:EX
Subject: Perception of Conflict of Interest

Dear Jane, James, and Wes,

RE: response to people that question my reasons for saying that "...Miller-Saunders was correct to suggest there may be a perception of conflict at the provincial testing laboratory..." (e.g., National Post 10/23/2017, "B.C. premier appoints top deputy to review 'integrity' of fish farm testing lab.")

1. That "there may be a perception of conflict" is obvious. W5 thought that the perception of conflict was sufficiently obvious to air it without even asking for a response from me or you. Further, I have not been given any other reason that the BC Premier appointed his top deputy to conduct a review of the Animal Health Centre.
2. I think that Dr. Miller's definition of "perception of conflict" is different from that of the BC Public Service Agency
 - a. BC PSA – conflict of interest is related to "an employee's private affairs or financial interests" – Any charges of conflict of interest against me based on this definition have no merit.
 - b. Cohen Commission (and Dr. Miller?) – The final report of the Commission of Inquiry into the Decline of Sockeye in the Fraser River includes 75 recommendations. In recommendation #2, Justice Cohen twice points to a conflict of interest in relation to DFO's "mandates both to conserve wild stocks and to promote the salmon-farming industry." I disagree that this is a conflict any more than it is a conflict for DFO to promote commercial fisheries. However, we still have a Federal Inquiry that concluded that an entire federal department (DFO) was in a conflict of interest. I interpret Dr. Miller's concerns about a conflict in my/our activities to be consistent with Justice Cohen's concerns about conflict in DFO. Basically, Justice Cohen concluded that DFO was in a conflict of interest and, therefore, all DFO employees that have anything to do with aquaculture (including Dr. Miller) are in a conflict of interest. I disagree with this conclusion, but I also do not think that it is helpful to deny or ignore Justice Cohen's conclusion.

RE: response to people that question that I responded to the allegations:

1. I have nothing to hide. When I read press articles about other public servants being accused of something, and they do not respond to the allegations, my first thought is that they do not respond because they have something to hide.
2. As a veterinarian, I have an ethical responsibility to educate the public about matters of animal health. I do not recall anything in the code of ethics about this responsibility ceasing when people disagree with a veterinarian.
3. This situation is an unprecedented opportunity to provide my perspective on the situation. If I do not share my perspective, the perspective that is reported might not be my perspective.

I am available to discuss these matters further (as needed).

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 12:19 PM
To: Pritchard, Jane AGRI:EX
Subject: FW: APTN National News Interview Request

FYI

From: McRae, Meghan GCPE:EX
Sent: Monday, October 30, 2017 11:59 AM
To: Marty, Gary D AGRI:EX; Boelens, Robert GCPE:EX
Subject: RE: APTN National News Interview Request

Hi Gary,

I'm sure that written responses would be fine. As we mentioned last week, it's best to approach each of these interviews in a way that you are comfortable with, and now that you've done a few, you may want to keep to written to ensure you're not accidentally contradicting yourself in the media.

Let us know if she's not happy with written responses, and we can try and support you on next steps.

Thanks!
Meghan

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 11:55 AM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: FW: APTN National News Interview Request

Hi Robert and Meghan,

Here is an interesting opportunity. As I just wrote to my superiors, "This situation is an unprecedented opportunity to provide my perspective on the situation. If I do not share my perspective, the perspective that is reported might not be my perspective."

One challenge for me is that I tend to talk too fast. Would written responses work for this interview?

Best regards,

Gary

From: Laurie Hamelin [<mailto:lhamelin@aptn.ca>]
Sent: Monday, October 30, 2017 11:31 AM
To: Marty, Gary D AGRI:EX
Subject: APTN National News Interview Request

Hello,

I am hoping you are available to do a recorded phone interview for a story I am doing on the review into BCs Animal Testing Lab. I am available after 3pm today. I look forward to your reply.

Thank you,
Laurie



Laurie Hamelin
Camera Editor (Casual)
Aboriginal Peoples Television Network

North Vancouver, British Columbia V7P 3J3

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Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 12:20 PM
To: Pritchard, Jane AGRI:EX
Subject: RE: APTN National News Interview Request [DRAFT FOR COMMENT]

Dear Laurie,

Thank you for the enquiry. As a veterinarian, I have an ethical responsibility to educate the public about matters of animal health, regardless of whether people disagree with me.

Because the accusation of a conflict of interest could potentially end my career with the BC government, I am uncomfortable with a recorded phone interview.

However, I am willing to provide written answers to any questions that you might have my related to my role in this situation. [Note that I have regular diagnostic cases to complete as part of my regular job, but I will do my best to get responses to you by the end of the day that I receive the questions.]

Please note that I am not involved in designing the review. Therefore, I might need to refer some questions to my director, Dr. Jane Pritchard (CCed above)

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Laurie Hamelin [<mailto:lahamelin@aptn.ca>]
Sent: Monday, October 30, 2017 11:31 AM
To: Marty, Gary D AGRI:EX
Subject: APTN National News Interview Request

Hello,

I am hoping you are available to do a recorded phone interview for a story I am doing on the review into BCs Animal Testing Lab. I am available after 3pm today. I look forward to your reply.

Thank you,
Laurie



Laurie Hamelin
Camera Editor (Casual)
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Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 1:40 PM
To: 'Laurie Hamelin'
Subject: RE: APTN National News Interview Request

Dear Laurie,

Thank you for the enquiry. As a veterinarian, I take seriously my ethical responsibility to educate the public about matters of animal health, regardless of whether people disagree with me.

Because the accusation of a conflict of interest could potentially end my career with the BC government, I am uncomfortable with a recorded phone interview.

However, I am willing to provide written answers to any questions that you might have related to my role in this situation. [Note that I have diagnostic cases to complete as part of my regular job, but I will do my best to get responses to you by the end of the day that I receive the questions.]

Please note that I am not involved in designing the review. Therefore, I might need to refer some questions to the director of the Plant and Animal Health Branch, Dr. Jane Pritchard.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Laurie Hamelin [<mailto:lahamelin@aptn.ca>]
Sent: Monday, October 30, 2017 11:31 AM
To: Marty, Gary D AGRI:EX
Subject: APTN National News Interview Request

Hello,

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Thank you,
Laurie

 Laurie Hamelin

Camera Editor (Casual)
Aboriginal Peoples Television Network

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Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 1:40 PM
To: 'Laurie Hamelin'
Subject: RE: APTN National News Interview Request

Dear Laurie,

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Because the accusation of a conflict of interest could potentially end my career with the BC government, I am uncomfortable with a recorded phone interview.

However, I am willing to provide written answers to any questions that you might have related to my role in this situation. [Note that I have diagnostic cases to complete as part of my regular job, but I will do my best to get responses to you by the end of the day that I receive the questions.]

Please note that I am not involved in designing the review. Therefore, I might need to refer some questions to the director of the Plant and Animal Health Branch, Dr. Jane Pritchard.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Laurie Hamelin [<mailto:lahamelin@aptn.ca>]
Sent: Monday, October 30, 2017 11:31 AM
To: Marty, Gary D AGRI:EX
Subject: APTN National News Interview Request

Hello,

I am hoping you are available to do a recorded phone interview for a story I am doing on the review into BCs Animal Testing Lab. I am available after 3pm today. I look forward to your reply.

Thank you,
Laurie

 Laurie Hamelin

Camera Editor (Casual)
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Hare, Lynette E AGRI:EX

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 9:15 PM
To: 'Laurie Hamelin'
Subject: RE: APTN National News Interview Request

Hi Laurie,

Please see my answers below. Some of the answers are complex, so I include a brief summary before additional details.

From: Laurie Hamelin [mailto:lahamelin@aptn.ca]
Sent: Monday, October 30, 2017 2:27 PM
To: Marty, Gary D AGRI:EX
Subject: Re: APTN National News Interview Request

Hi ,

Thanks for getting back to me. I will keep my questions brief.

Do you agree with Doctor Miller that a conflict of interest could be perceived, if so please explain?

Summary: I am not able to control the perceptions of other people. However, when people learn about my commitment to provide reliable diagnostic services for all types of fish—regardless who owns them or oversees their welfare—I am confident that they will not perceive a conflict of interest.

Details: I am one of four fish pathologists at the BC Animal Health Centre that provide reliable diagnostic services to licensed veterinarians working with farm salmon. Our clients include Kuterra, the land-based salmon operation fully owned by the Namgis First Nation.

Our work should not be perceived as a conflict of interest—as defined by the BC Public Service Agency—because we do not receive any personal financial gain for our work (beyond our regular government salaries).

We provide reliable diagnostic services to people that need to make informed decisions about their fish. We provide these services to all that ask, with no discrimination based on political persuasion, personal views, or source of funds to pay for our services.

Regarding concerns that we provide diagnostic service for both DFO regulators and for salmon farmers, I recognize that our clients sometimes have different interests, and some people might question whether providing diagnostic services for all fish represents a conflict of interest.

However, I believe strongly that we must provide diagnostic services for all fish that need such service. I also believe strongly that providing unquestioned diagnostic services for all fish does **not** constitute a conflict of interest. Indeed, our diverse client base is evidence that our services are reliable.

Do you often conduct research for government and private business? Maybe you can explain what research you have done for Marine Harvest?

A point of clarification: the BC Animal Health Centre is an independently accredited **veterinary diagnostic laboratory**, and my position is as a fish pathologist. We sometimes provide diagnostic services for scientific studies, but we are not a research laboratory.

Summary: Over the past few years we have had several active projects with other government agencies and private businesses, including Marine Harvest.

Details:

In the project with Marine Harvest, we show that BC salmon farms are not increasing PRV infection in wild salmon, and PRV is not associated with disease in wild salmon. These results are published in the Journal of Fish Diseases:

1. Piscine reovirus (PRV) was fairly common in BC wild-source salmon and BC farm salmon as early as 1987.
2. In 2013, PRV in wild coho salmon sampled from Alaska was as common as in British Columbia (5 - 10% of fish tested); these test results provide evidence that BC Atlantic salmon farms are not increasing PRV infection in wild salmon. [I am not aware of any evidence to the contrary. Alaska prohibits the farming of Atlantic salmon.]
3. PRV at Marine Harvest sites near the Fraser River sockeye salmon migration route was as common in 2007 as in 2008. Therefore, we conclude that PRV on Marine Harvest farms did not contribute to the low adult returns in 2009 or the high adult returns in 2010.
4. Finally, PRV was not associated with disease in any of the fish that we studied.

Other projects (current and recent):

1. Environment and Climate Change Canada:
 - A. assessing the health of fish in oil sands effluent receiving waters;
 - B. Assessing the health of fish in contaminated areas of the Great Lakes;
 - C. Assisting with wild fish kill investigations.
2. Parks Canada - testing samples from wild trout from Alberta and BC for the cause of whirling disease.
3. UBC, University of Victoria, Simon Fraser University, University of Calgary - we provide diagnostic services for their Animal Care Service veterinarians (this is primarily for fish used as laboratory animals).
4. Canadian Food Inspection Agency (CFIA) – we tested farm salmon for the ISA virus to help CFIA determine whether western Canada has the ISA virus.
5. Effluent testing industry – industries that release water into the environment must have their effluent tested on juvenile fish. We provided diagnostic services on juvenile rainbow trout that were being used to improve methods to reduce the toxicity of fracking effluents.
6. Juvenile rainbow trout producers - we provided diagnostic services for the companies that supply the juvenile trout for toxicity testing by the oil sands industry.
7. Vancouver Aquarium (and other smaller display aquaria around BC) – we provide diagnostic services for fish in their care.
8. Vancouver Water and Sewage District - we provide diagnostic services to determine the health of fish living near Vancouver sewage outflows.

9. Fisheries and Oceans Canada (DFO) - we provide diagnostic services for laboratory research projects (e.g., to determine if jaundice is an infectious disease in Chinook salmon) and for studies of wild salmon health (e.g., gill parasites in juvenile pink salmon near salmon farms).
10. Pet fish hobbyists - we occasionally provide diagnostic services for pet fish owners (e.g., koi carp).

Are you open to and accepting of this review?

As part of my work as a board-certified veterinary pathologist, my diagnoses are always subject to review or second opinion by other professionals.

The situation that developed last week is unusual in that it has caught the public eye, but otherwise, review of my work and of the other professionals at the BC Animal Health Centre is routine.

I and the other professionals at the BC Animal Health Centre work to provide reliable diagnostic services so that people can make informed decisions about their animals, including wild animals in their territory. Providing diagnostic services to all who need such services is considered a "best practice" in diagnostic medicine.

Can you explain why or how your lab didn't characterize the heart inflammation you found as HSMI?

Summary: We do not use the term HSMI to diagnose heart disease in BC because our fish do not have the severe form of HSMI that affects Norwegian salmon.

Details: Changing the name of a disease is not a threat to wild salmon. Reports of heart disease in BC farm salmon date back as far as 1990. In 2006 we began closely tracking heart disease in BC farmed Atlantic salmon: it kills only ~2 fish for every 1,000 in the ocean. In Norway, HSMI on some farms kills up to 200 fish per 1,000.

The proportion of BC farm salmon affected by heart disease has not changed since we began tracking the disease in 2006. The new scientific paper by Dr. Kristi Miller's research group has not reported anything different; they just use a name for some fish with heart disease (HSMI) that is different from the description that we use (unexplained heart disease).

In order to diagnose HSMI, I use criteria established in a 2007 scientific paper published in the Journal of Fish Diseases. For a diagnosis, the affected fish need to have inflammation in the heart and muscle, and also have clinical signs of the disease. In contrast, the criteria used for the diagnosis of HSMI by Dr. Kristi Miller's research group do not require the fish to have clinical signs of the disease.

Finally, since the late 1800s controlled laboratory exposure studies have been the basis for determining if a microbe causes disease. Several such studies have been completed with BC PRV and BC salmon. All studies report that PRV is infectious, but infection results in either:

- 1) No inflammation or disease; or,
- 2) A transient inflammation in the heart that does not impair fish performance during a stress test.

Let me know if you have any additional questions.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

Laurie

Page 058 to/à Page 059

Withheld pursuant to/removed as

s.22;s.17

Hare, Lynette E AGRI:EX

From: Pritchard, Jane AGRI:EX
Sent: Wednesday, October 25, 2017 1:32 PM
To: s.22 AGRI:EX; Marty, Gary D AGRI:EX
Subject: RE: Sending you my support

Thanks s.22 , we will weather this and appreciate you reaching out with your support.
Jane

From: s.22 AGRI:EX
Sent: Wednesday, October 25, 2017 1:30 PM
To: Pritchard, Jane AGRI:EX; Marty, Gary D AGRI:EX
Subject: Sending you my support

Hi Jane and Gary,

I have been following with horror what is transpiring with regard to the 'investigation' into Gary's work.

Gary – s.22 , I can say with utter certainty that you conduct your work with the utmost precision and integrity. Indeed, you are the absolute last scientist that should ever have their reputation impugned in this manner.

Jane – you run an incredibly tight ship. You are an incredible leader and inspire us all to achieve and maintain the highest possible standards that any lab could possibly achieve.

The Ministry is incredibly lucky to have both of you and I am honored to work with you.

Please let me know if there is anything that I can do to help or support you both.

Sincerely,

s.22

Hare, Lynette E AGRI:EX

From: Boelens, Robert GCPE:EX
Sent: Wednesday, October 25, 2017 12:20 PM
To: Marty, Gary D AGRI:EX; McRae, Meghan GCPE:EX
Subject: RE: Times Colonist - Interview Request

Thanks for bringing us into the process Gary, give me a few minutes and I'll give you a call.

From: Marty, Gary D AGRI:EX
Sent: Wednesday, October 25, 2017 12:18 PM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: Times Colonist - Interview Request
Importance: High

Hi Robert and Meghan,

I just received a phone call from Amy Smart at the Times Colonist. She wanted to talk with me about the recent events. I asked if she had your contact information and she said that she did. She asked if I was okay with having you manage my interviews and I said that I was, and that informing you of interview requests is an important part of being on the government team. I also said that I could not recall ever being denied an opportunity, but that this case might be different because of inter-government sensitivities.

Best regards,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

Hare, Lynette E AGRI:EX

From: Boelens, Robert GCPE:EX
Sent: Wednesday, October 25, 2017 4:29 PM
To: Marty, Gary D AGRI:EX
Subject: qp transcript

Oral Questions

REVIEW OF SCIENTIFIC RESEARCH BY GOVERNMENT

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Page 063 to/à Page 069

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Hare, Lynette E AGRI:EX

From: John O'Dowd <john@cknw.com>
Sent: Wednesday, October 25, 2017 11:40 AM
To: Marty, Gary D AGRI:EX
Subject: CKNW - Interview Request

Importance: High

Hi Dr. Marty,

My name is John O'Dowd and I am the Senior Producer of The Jon McComb Show on CKNW radio in Vancouver. We were hoping you would be available to chat with Jon on tomorrow's show at 7:35am PT regarding the Minister's review and the reasoning behind it?

It would be a live 5-6 minute phone interview with general questions.

Looking forward to hearing from you.

Kind regards,
John



John O'Dowd M.A. | Senior Producer | The Jon McComb Show | T. 604.331.2795 | @JohnODowdIRL

john@cknw.com | www.cknw.com | 2000-700 West Georgia Street, Vancouver B.C., Canada V7K 1K9

Hare, Lynette E AGRI:EX

From: Meissner, Dirk <Dirk.Meissner@thecanadianpress.com>
Sent: Wednesday, October 25, 2017 4:34 PM
To: Marty, Gary D AGRI:EX
Subject: Dirk Meissner, The Canadian Press

Hello Dr. Gary Marty, I'm Dirk Meissner, a reporter with The Canadian Press in Victoria. I hoping you can give me a call to discuss recent issues involving fish farms in British Columbia. Thanks, Dirk. I'm at this email or my landline is: 250-384-4912.

Hare, Lynette E AGRI:EX

From: Snyman, Heindrich N AGRI:EX
Sent: Thursday, October 26, 2017 9:46 AM
To: Redford, Tony AGRI:EX; Britton, Ann P AGRI:EX; Bowes, Victoria AGRI:EX; Marty, Gary D AGRI:EX; Raverty, Stephen AGRI:EX; Baseler, Laura AGRI:EX; Doran Kirkbright; McGregor, Glenna AGRI:EX; Pawlik, Michael AGRI:EX
Subject: Phone call with Don Wright - Deputy Minister to the Premier
Importance: High

Hi Everyone,

Don Wright, Deputy Minister to the Premier, will be leading the review of the AHC with regards to the recent allegations of perception of conflict of interest and procedures and processes at the lab. He will be explaining this process and what that is going to look like today at 10:40am.

I think the easiest would be to all just meet in Room 112 (room already booked and will be ready) and call in as a group. Please try to make the time for this call so that we can all get the most appropriate information and all have a chance to ask any questions that might be there or to raise any potential concerns.

1-877-353-9184 ^{s.15}

(Wes Shoemaker is the Moderator)

Thanks!
Hein

Hein Snyman, BVSc, DVSc, Diplomate ACVP

Veterinary Pathologist
Acting Leader, Veterinary Science and Diagnostics
Animal Health Centre - British Columbia Ministry of Agriculture
1767 Angus Campbell Road
Abbotsford, BC, V3G 2M3
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Heindrich.Snyman@gov.bc.ca

Hare, Lynette E AGRI:EX

From: Andrew Nikiforuk <andrew@andrewnikiforuk.com>
Sent: Thursday, October 26, 2017 9:45 AM
To: Marty, Gary D AGRI:EX
Subject: Any comment on investigation

Hi Gary: Just wonder if you have any comment about the government investigation and allegations of conflict of interest with Marine Harvest? Best, Andrew Nikiforuk for the Tyee

(Have a very short deadline today—would need a response by noon. Thanks.)

Hare, Lynette E AGRI:EX

From: Boelens, Robert GCPE:EX
Sent: Thursday, October 26, 2017 9:13 AM
To: Marty, Gary D AGRI:EX; McRae, Meghan GCPE:EX
Subject: RE: Times Colonist - Interview Request [correction request]

thanks Gary, I'll see if I can get one for you.

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 9:03 AM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: RE: Times Colonist - Interview Request [correction request]

Hi Robert,

Phone Interviews completed yesterday:

Amy Smart Victoria Times Colonist 5:23-5:31pm
Rob Shaw Vancouver Sun 5:32 - 5:48 pm
Dirk Meissner Canadian Press 5:49 – 5:55pm

Interview request today from John O'Dowd CKNW:

"I'm following-up up to see if you would like a right-of-reply to the comments made by Alex Morton on our show this morning.

We have a slot on tomorrow's show (Friday) at 7:46am if you would like to chat with Jon McComb."

The challenge here is that if I do not share information from a BC perspective, our perspective will either not be told, or, the BC perspective might be told by somebody that does not share our perspective."

Is a transcript of the interview with Alex Morton available?

Best regards,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Boelens, Robert GCPE:EX
Sent: Thursday, October 26, 2017 8:28 AM
To: Marty, Gary D AGRI:EX; McRae, Meghan GCPE:EX
Subject: RE: Times Colonist - Interview Request [correction request]

Here it is Gary,

asmart@timescolonist.com

Please let me know of any other interviews you complete as well – I've received no new requests so far - thanks!

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 8:25 AM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: Re: Times Colonist - Interview Request [correction request]

Hi Robert,

I just read Times Colonist article related to my interview. I think it does a fair job of covering my perspective, but one section needs correction:

Current wording: "The Animal Health Centre is the only place in Canada with a board-certified veterinary pathologist who specializes in fish and works in an accredited diagnostic laboratory, Marty said."

Correct wording (important additions in bold): "The Animal Health Centre is the only place in Canada with **team of** a board-certified veterinary pathologists who specialize in fish and work in an accredited diagnostic laboratory, Marty said."

Justification: The availability of a team of pathologists allows for internal review of diagnoses that is not available elsewhere.

Are you able to forward my request? Alternatively, would you be able to send me Amy's e-mail address?

Best regards,

Gary

From: Boelens, Robert GCPE:EX
Sent: October-25-17 12:19 PM
To: Marty, Gary D AGRI:EX; McRae, Meghan GCPE:EX
Subject: RE: Times Colonist - Interview Request

THanks for bringing us into the process Gary, give me a few minutes and I'll give you a call.

From: Marty, Gary D AGRI:EX
Sent: Wednesday, October 25, 2017 12:18 PM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: Times Colonist - Interview Request
Importance: High

Hi Robert and Meghan,

I just received a phone call from Amy Smart at the Times Colonist. She wanted to talk with me about the recent events. I asked if she had your contact information and she said that she did. She asked if I was okay with having you

manage my interviews and I said that I was, and that informing you of interview requests is an important part of being on the government team. I also said that I could not recall ever being denied an opportunity, but that this case might be different because of inter-government sensitivities.

Best regards,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

Hare, Lynette E AGRI:EX

From: Boelens, Robert GCPE:EX
Sent: Thursday, October 26, 2017 8:28 AM
To: Marty, Gary D AGRI:EX; McRae, Meghan GCPE:EX
Subject: RE: Times Colonist - Interview Request [correction request]

Here it is Gary,

asmart@timescolonist.com

Please let me know of any other interviews you complete as well – I've received no new requests so far - thanks!

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 8:25 AM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: Re: Times Colonist - Interview Request [correction request]

Hi Robert,

I just read Times Colonist article related to my interview. I think it does a fair job of covering my perspective, but one section needs correction:

Current wording: "The Animal Health Centre is the only place in Canada with a board-certified veterinary pathologist who specializes in fish and works in an accredited diagnostic laboratory, Marty said."

Correct wording (important additions in bold): "The Animal Health Centre is the only place in Canada with **team of** a board-certified veterinary pathologists who specialize in fish and work in an accredited diagnostic laboratory, Marty said."

Justification: The availability of a team of pathologists allows for internal review of diagnoses that is not available elsewhere.

Are you able to forward my request? Alternatively, would you be able to send me Amy's e-mail address?

Best regards,

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604-556-3123

Hare, Lynette E AGRI:EX

From: John O'Dowd <john@cknw.com>
Sent: Thursday, October 26, 2017 7:59 AM
To: Marty, Gary D AGRI:EX
Cc: Townsend, Dave H GCPE:EX
Subject: Re: CKNW - Interview Request

Hi Gary,

I'm following-up up to see if you would like a right-of-reply to the comments made by Alex Morton on our show this morning.

We have a slot on tomorrow's show (Friday) at 7:46am if you would like to chat with Jon McComb.

Thanks,
John



John O'Dowd M.A. | Senior Producer | The Jon McComb Show | T. 604.331.2795 | [@JohnODowdIRL](https://twitter.com/JohnODowdIRL)
john@cknw.com | www.cknw.com | 2000-700 West Georgia Street, Vancouver B.C., Canada V7K 1K9

From: Marty, Gary D AGRI:EX <Gary.Marty@gov.bc.ca>
Sent: 25 October 2017 18:27
To: John O'Dowd
Subject: RE: CKNW - Interview Request

Hi John,

Thanks you for the invitation to appear on your show.

As part of my work as a board-certified veterinary pathologist, my diagnoses are always subject to review or second opinion by other professionals.

The situation developing this week is unusual in that it has caught the public eye, but otherwise, review of my work is routine.

I and the other professionals at the BC Animal Health Centre work to provide reliable diagnostic services so that people can make informed decisions about their animals (or animals under their control). We provide these services to all that ask, with no discrimination based on political persuasion or personal views.

I have no concerns that I will be fired.

Because of the intergovernmental sensitivities of this situation, I am not comfortable with a live radio interview, so I respectfully decline your invitation. However, I am able to respond to questions in writing.

Sincerely,

Gary

Gary D. Marty, Senior Fish Pathologist
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1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: John O'Dowd [<mailto:john@cknw.com>]
Sent: Wednesday, October 25, 2017 11:40 AM
To: Marty, Gary D AGRI:EX
Subject: CKNW - Interview Request
Importance: High

Hi Dr. Marty,

My name is John O'Dowd and I am the Senior Producer of The Jon McComb Show on CKNW radio in Vancouver. We were hoping you would be available to chat with Jon on tomorrow's show at 7:35am PT regarding the Minister's review and the reasoning behind it?

It would be a live 5-6 minute phone interview with general questions.

Looking forward to hearing from you.

Kind regards,
John



John O'Dowd M.A. | Senior Producer | The Jon McComb Show | T. 604.331.2795 | [@JohnODowdIRL](https://twitter.com/JohnODowdIRL)
john@cknw.com | www.cknw.com | 2000-700 West Georgia Street, Vancouver B.C., Canada V7K 1K9

Hare, Lynette E AGRI:EX

From: John O'Dowd <john@cknw.com>
Sent: Thursday, October 26, 2017 4:27 PM
To: Marty, Gary D AGRI:EX
Subject: Re: CKNW - Interview Request

Thanks Dr. Marty. I'll make sure Jon McComb gets a copy of this tomorrow morning. Also, please remember that the invitation is still open should you wish to come on the show.

Kind regards,
John

From: Marty, Gary D AGRI:EX <Gary.Marty@gov.bc.ca>
Sent: 26 October 2017 13:45
To: John O'Dowd
Subject: RE: CKNW - Interview Request

Hi John,

Thank you for the opportunity to provide a comment on today's show. Some points of clarification are needed:

Ms. Morton: "But Dr Marty is an outlier, and he says, in British Columbia it doesn't look like it's causing disease."

Dr. Marty: My conclusion that BC PRV does not cause disease in BC salmon is based on peer-reviewed science that used BC salmon and BC PRV; for example:

Garver, K.A., et al. 2016. Piscine reovirus, but not jaundice syndrome, was transmissible to Chinook salmon, *Oncorhynchus tshawytscha* (Walbaum), sockeye salmon, *Oncorhynchus nerka* (Walbaum), and Atlantic salmon, *Salmo salar* L. J. Fish Dis. 39:117-128.

Ms. Morton: "But in fact, [Dr. Marty] was finding heart disease."

Dr. Marty: This statement is correct. BC has been tracking various types of unexplained heart disease since 1990. For BC farmed Atlantic salmon, each year since 2006 these heart diseases kill ~2 fish per 1,000. In a scientific paper published this year by Dr. Miller's research group, a different name (HSMI) was reported for the heart disease in some of these fish. The heart disease is not new to BC, just the name. Changing the name of a disease is not a threat to wild salmon.

Ms. Morton: "So when he says HSMI does not occur on British Columbia, the readers of his science suspect that he's using the classic definition that everybody else is using, but in fact he added two elements..."

Dr. Marty: My readers are correct. My definition of HSMI is based on a peer-reviewed scientific paper that was published in 2007. Regarding the diagnosis of European heart disease, the paper includes, "It is important to make a sound diagnosis based on a combination of clinical signs, gross and histopathology". I consult with our licenced regulatory veterinarians that work for BC or DFO. They have access to farm mortality records during their 120 BC salmon farm audits every year, and they tell me that the fish that I diagnose with unexplained heart disease do not have clinical signs of the severe European form of HSMI. I believe our licenced regulatory veterinarians.

[McLoughlin, M.F. and D.A. Graham. 2007. Alphavirus infections in salmonids – a review. Journal of Fish Diseases 30, 511-531.]

A point of clarification: the BC Animal Health Centre is an independently accredited **veterinary diagnostic laboratory**, and my position is as a fish pathologist. We sometimes provide diagnostic services for scientific studies, but we are not a research laboratory.

Best regards,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
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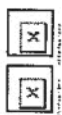
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Hare, Lynette E AGRI:EX

From: Boelens, Robert GCPE:EX
Sent: Thursday, October 26, 2017 4:03 PM
To: Marty, Gary D AGRI:EX; McRae, Meghan GCPE:EX
Subject: RE: E-mails/Animal Health Center

Thanks for the updates Gary, appreciate it – I think you are providing some solid info and context to reporters on what the lab is, and how it operates

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 3:58 PM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: FW: E-mails/Animal Health Center

Hi Robert and Meghan,

Here is what I sent to Ian Bailey of the Globe and Mail.

Best regards,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Marty, Gary D AGRI:EX
Sent: Thursday, October 26, 2017 3:14 PM
To: 'Bailey, Ian'
Subject: RE: E-mails/Animal Health Center

Hi Ian,

See my answers below.

Best regards,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
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604-556-3123

From: Bailey, Ian [<mailto:IBailey@globeandmail.com>]

Sent: Thursday, October 26, 2017 2:01 PM

To: Marty, Gary D AGRI:EX

Subject: E-mails/Animal Health Center

Hello Dr. Marty,

Further to our phone conversation of a few moments ago.

1-Are you able to confirm the veracity of the e-mail string above?

Dr. Marty: Yes. Changing the name of a disease is not a threat to wild salmon.

BC has been tracking various types of unexplained heart disease in farm salmon since 1990. Each year since 2006 these heart diseases kill ~2 fish per 1,000 BC farmed Atlantic salmon.

In a scientific paper published this year by Dr. Miller's research group, a different name (HSMI) was reported for the heart disease in some of these fish. The new scientific paper provides helpful information about the progression of the disease over time on a BC farm. The paper also reported that the disease killed less than 1% of the fish on the farm. However, the heart disease is not new to BC, just the name.

2-Can you explain your past acknowledgement that there could be an appearance of conflict in the operation of the Animal Health Center?

Dr. Marty: I and the other professionals at the BC Animal Health Centre provide reliable diagnostic services to people that need to make informed decisions about their animals. We provide these services to all that ask, with no discrimination based on political persuasion, personal views, or source of funds.

I recognize that our clients sometimes have different interests, and some people might question whether providing diagnostic services for all animals represents a conflict of interest.

However, I believe strongly that we must provide diagnostic services for all animals that need such service. I also believe strongly that providing unquestioned diagnostic services for all animals does **not** constitute a conflict of interest. Indeed, our diverse client base is evidence that we provide reliable diagnostic services.

3.-Is it unusual that your lab would be doing work for both government and private industry?

Dr. Marty: No. doing work for both government and private industry is a "best practice" in diagnostic medicine. A very important reason that government's support veterinary diagnostic laboratories is so that animal owners (including private industry) submit samples from sick animals for diagnostic testing.

Worldwide, government provision of diagnostic services is a fundamental component of disease control in animals. We need to diagnose serious disease outbreaks as soon as possible, but we can do that only if all animal owners are encouraged to submit their sick animals to us for testing.

Because many animal diseases can also infect humans, early diagnosis is also a fundamental component of controlling and preventing disease in people.

4-Are you confident in the work of the center? If so, why?

Dr. Marty: Yes. Our laboratory is independently accredited by the Standards Council of Canada (ISO17025) and the American Association of Veterinary Laboratory Diagnosticians (AAVLD). We are one of only three diagnostic laboratories in Canada with such designation.

5-What makes your lab distinct among labs in Canada? Is yours the only one that tests fish?

Dr. Marty: Our laboratory is the only AAVLD-accredited laboratory in Canada that is not associated closely with a Veterinary school. However, several of our senior staff have academic appointments at major universities (e.g., The University of California-Davis, UBC, and the University of Manitoba).

Many other laboratories in Canada test fish samples, but we are the only laboratory with 4 board-certified veterinary pathologists that work almost exclusively with fish (two of these pathologist also have Ph.D. degrees).

[Let me know if you have any questions.]

I am working towards a 4 pm PT deadline so would need any comment from you by 3:30 pm PT. Thanks for your attention to my query.

Regards
Ian Bailey



Ian Bailey | Reporter B.C. Bureau

p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com
[@ianabailey](#)

Hare, Lynette E AGRI:EX

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: Thursday, October 26, 2017 3:16 PM
To: Marty, Gary D AGRI:EX
Subject: RE: E-mails/Animal Health Center

Thanks for getting back to me so promptly.
Much appreciated.
Rgds
IBailey

From: Marty, Gary D AGRI:EX [<mailto:Gary.Marty@gov.bc.ca>]
Sent: Thursday, October 26, 2017 3:14 PM
To: Bailey, Ian
Subject: RE: E-mails/Animal Health Center

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I am working towards a 4 pm PT deadline so would need any comment from you by 3:30 pm PT. Thanks for your attention to my query.

Regards
Ian Bailey



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@ianabailey

Hare, Lynette E AGRI:EX

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: Thursday, October 26, 2017 2:01 PM
To: Marty, Gary D AGRI:EX
Subject: E-mails/Animal Health Center
Attachments: Dr. Marty May 23, 2017.pdf

Hello Dr. Marty,
Further to our phone conversation of a few moments ago.

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Hare, Lynette E AGRI:EX

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: Thursday, October 26, 2017 1:43 PM
To: Marty, Gary D AGRI:EX
Subject: Interview request

Hello Dr. Marty,

It's Ian Bailey from the BC Bureau of The Globe and Mail.

I was wondering if you were available for an interview, in the next hour or so, on the rile of the Animal Health Center given current events.

I am happy to call you or you can reach me on my cellphone at^{s.22}

I am reporting on a story for tomorrow's/Friday's paper so would have to speak to you by 3:30 pm PT to make my deadline.

Regards

Ian Bailey



Ian Bailey | Reporter B.C. Bureau

p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com
[@ianabailey](#)

Hare, Lynette E AGRI:EX

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: Friday, October 27, 2017 7:04 AM
To: McRae, Meghan GCPE:EX; Marty, Gary D AGRI:EX
Cc: Boelens, Robert GCPE:EX
Subject: Re: E-mails/Animal Health Center

Yes. The same story.

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

----- Original message -----

From: "McRae, Meghan GCPE:EX" <Meghan.McRae@gov.bc.ca>
Date: 2017-10-27 6:19 AM (GMT-08:00)
To: "Marty, Gary D AGRI:EX" <Gary.Marty@gov.bc.ca>
Cc: "Bailey, Ian" <IBailey@globeandmail.com>, "Boelens, Robert GCPE:EX" <Robert.Boelens@gov.bc.ca>
Subject: Re: E-mails/Animal Health Center

Thanks Gary,

Ian, we'll see what we can provide you with on background to answer the last two questions by your deadline.

We worked on background for Justine yesterday for this piece, I'm assuming you're aware of that.

Thanks,
Meghan
Sent from my iPhone

On Oct 26, 2017, at 11:21 PM, Marty, Gary D AGRI:EX <Gary.Marty@gov.bc.ca<mailto:Gary.Marty@gov.bc.ca>> wrote:

Hi Ian,

These are all very good questions, but they would be best answered by a one of our managers (e.g., the director of the Plant and Animal Health Branch, Dr. Jane Pritchard). Please contact our communications office (CCed above) to enquire about the availability of one of our managers.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
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Sent: October-26-17 5:09 PM
To: Marty, Gary D AGRI:EX
Subject: RE: E-mails/Animal Health Center

We are now doing a more expansive piece on these matters for the Saturday paper. That said, your answers are hugely helpful. Still, there are a few more questions, some quite obvious. I would need answers by 11 am PT on Friday:

- 1-What do you make of the review of the laboratory announced this week by the premier?
- 2-How do you think the centre will emerge from the scrutiny of this review?
- 3-Are you able to provide an example of notable work on a particular file that the centre has done that allows it to stand out from other facilities, including a finding that would have made a difference to the public?
- 4-How long has the centre been in operation? Is there anything you can say about the number of staff on duty for its operations?

<image001.jpg>

Ian Bailey I Reporter B.C. Bureau

p: 604-631-6652 f: 604-684-7956 e: ibailey@globeandmail.com<<mailto:youremail@globeandmail.com>>
@ianabailey

Hare, Lynette E AGRI:EX

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Sent: Friday, October 27, 2017 6:20 AM
To: Marty, Gary D AGRI:EX
Cc: Bailey, Ian; Boelens, Robert GCPE:EX
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4-How long has the centre been in operation? Is there anything you can say about the number of staff on duty for its operations?

<image001.jpg>

Ian Bailey | Reporter B.C. Bureau
p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com

[@ianabailey](#)

Hare, Lynette E AGRI:EX

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: Thursday, October 26, 2017 6:13 PM
To: Marty, Gary D AGRI:EX
Subject: RE: E-mails/Animal Health Center

One other question:

-Are you able to quantify the amount of work the centre has done in the aquaculture sector as a proportion of work compared to work outside the sector?

From: Marty, Gary D AGRI:EX [mailto:Gary.Marty@gov.bc.ca]
Sent: Thursday, October 26, 2017 3:14 PM
To: Bailey, Ian
Subject: RE: E-mails/Animal Health Center

Hi Ian,

See my answers below.

Best regards,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Bailey, Ian [mailto:IBailey@globeandmail.com]
Sent: Thursday, October 26, 2017 2:01 PM
To: Marty, Gary D AGRI:EX
Subject: E-mails/Animal Health Center

Hello Dr. Marty,
Further to our phone conversation of a few moments ago.

1-Are you able to confirm the veracity of the e-mail string above?

Dr. Marty: Yes. Changing the name of a disease is not a threat to wild salmon.

BC has been tracking various types of unexplained heart disease in farm salmon since 1990. Each year since 2006 these heart diseases kill ~2 fish per 1,000 BC farmed Atlantic salmon.

In a scientific paper published this year by Dr. Miller's research group, a different name (HSMI) was reported for the heart disease in some of these fish. The new scientific paper provides helpful information about the progression of

the disease over time on a BC farm. The paper also reported that the disease killed less than 1% of the fish on the farm. However, the heart disease is not new to BC, just the name.

2-Can you explain your past acknowledgement that there could be an appearance of conflict in the operation of the Animal Health Center?

Dr. Marty: I and the other professionals at the BC Animal Health Centre provide reliable diagnostic services to people that need to make informed decisions about their animals. We provide these services to all that ask, with no discrimination based on political persuasion, personal views, or source of funds.

I recognize that our clients sometimes have different interests, and some people might question whether providing diagnostic services for all animals represents a conflict of interest.

However, I believe strongly that we must provide diagnostic services for all animals that need such service. I also believe strongly that providing unquestioned diagnostic services for all animals does **not** constitute a conflict of interest. Indeed, our diverse client base is evidence that we provide reliable diagnostic services.

3.-Is it unusual that your lab would be doing work for both government and private industry?

Dr. Marty: No. doing work for both government and private industry is a "best practice" in diagnostic medicine. A very important reason that government's support veterinary diagnostic laboratories is so that animal owners (including private industry) submit samples from sick animals for diagnostic testing.

Worldwide, government provision of diagnostic services is a fundamental component of disease control in animals. We need to diagnose serious disease outbreaks as soon as possible, but we can do that only if all animal owners are encouraged to submit their sick animals to us for testing.

Because many animal diseases can also infect humans, early diagnosis is also a fundamental component of controlling and preventing disease in people.

4-Are you confident in the work of the center? If so, why?

Dr. Marty: Yes. Our laboratory is independently accredited by the Standards Council of Canada (ISO17025) and the American Association of Veterinary Laboratory Diagnosticians (AAVLD). We are one of only three diagnostic laboratories in Canada with such designation.

5-What makes your lab distinct among labs in Canada? Is yours the only one that tests fish?

Dr. Marty: Our laboratory is the only AAVLD-accredited laboratory in Canada that is not associated closely with a Veterinary school. However, several of our senior staff have academic appointments at major universities (e.g., The University of California-Davis, UBC, and the University of Manitoba).

Many other laboratories in Canada test fish samples, but we are the only laboratory with 4 board-certified veterinary pathologists that work almost exclusively with fish (two of these pathologist also have Ph.D. degrees).

[Let me know if you have any questions.]

I am working towards a 4 pm PT deadline so would need any comment from you by 3:30 pm PT. Thanks for your attention to my query.

Regards
Ian Bailey



Ian Bailey | Reporter B.C. Bureau
p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com
@ianabailey

Hare, Lynette E AGRI:EX

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: Thursday, October 26, 2017 5:10 PM
To: Marty, Gary D AGRI:EX
Subject: RE: E-mails/Animal Health Center

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Sent: Thursday, October 26, 2017 3:14 PM
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Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
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604-556-3123

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Many other laboratories in Canada test fish samples, but we are the only laboratory with 4 board-certified veterinary pathologists that work almost exclusively with fish (two of these pathologist also have Ph.D. degrees).

[Let me know if you have any questions.]

I am working towards a 4 pm PT deadline so would need any comment from you by 3:30 pm PT. Thanks for your attention to my query.

Regards
Ian Bailey



Ian Bailey | Reporter B.C. Bureau

p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com
[@ianabailey](#)

Hare, Lynette E AGRI:EX

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: Friday, October 27, 2017 9:08 AM
To: McRae, Meghan GCPE:EX; Marty, Gary D AGRI:EX
Cc: Boelens, Robert GCPE:EX
Subject: RE: E-mails/Animal Health Center

We are also interested in a breakdown of the lab's funding: How much from the BC government, how much from the private sector through payment for services, how much, if any, from the federal government, including DFO? Also is there any specific breakout of how much from the aquaculture sector?

-----Original Message-----

From: McRae, Meghan GCPE:EX [<mailto:Meghan.McRae@gov.bc.ca>]
Sent: Friday, October 27, 2017 6:20 AM
To: Marty, Gary D AGRI:EX
Cc: Bailey, Ian; Boelens, Robert GCPE:EX
Subject: Re: E-mails/Animal Health Center

Thanks Gary,

Ian, we'll see what we can provide you with on background to answer the last two questions by your deadline.

We worked on background for Justine yesterday for this piece, I'm assuming you're aware of that.

Thanks,
Meghan
Sent from my iPhone

On Oct 26, 2017, at 11:21 PM, Marty, Gary D AGRI:EX <Gary.Marty@gov.bc.ca<<mailto:Gary.Marty@gov.bc.ca>>> wrote:

Hi Ian,

These are all very good questions, but they would be best answered by a one of our managers (e.g., the director of the Plant and Animal Health Branch, Dr. Jane Pritchard). Please contact our communications office (CCed above) to enquire about the availability of one of our managers.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre

Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Bailey, Ian <IBailey@globeandmail.com<<mailto:IBailey@globeandmail.com>>>
Sent: October-26-17 5:09 PM
To: Marty, Gary D AGRI:EX
Subject: RE: E-mails/Animal Health Center

We are now doing a more expansive piece on these matters for the Saturday paper. That said, your answers are hugely helpful.

Still, there are a few more questions, some quite obvious. I would need answers by 11 am PT on Friday:

- 1-What do you make of the review of the laboratory announced this week by the premier?
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- 4-How long has the centre been in operation? Is there anything you can say about the number of staff on duty for its operations?

<image001.jpg>

Ian Bailey | Reporter B.C. Bureau

p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com<<mailto:youremail@globeandmail.com>>
@ianabailey

Hare, Lynette E AGRI:EX

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: Friday, October 27, 2017 9:00 AM
To: Marty, Gary D AGRI:EX
Subject: RE: E-mails/Animal Health Center

Thanks for this.
It helps a lot.
Have a good weekend
IB

-----Original Message-----

From: Marty, Gary D AGRI:EX [<mailto:Gary.Marty@gov.bc.ca>]
Sent: Thursday, October 26, 2017 11:54 PM
To: Bailey, Ian
Subject: Re: E-mails/Animal Health Center

Hi Ian,

Am I correct that you want information about diagnostic services related to fish other than commercial food aquaculture? If so, I recommend asking our communications staff about a person that could provide you with these data (we might not be able to provide dependable numbers by your deadline).

In the meantime, here is a list of our other clients/industries that we are working with or have worked with over the past few years (many of these projects involve testing samples from hundreds of fish):

1. Environment and Climate Change Canada projects:

- A. assessing the health of fish in oil sands effluent receiving waters
- B. Assessing the health of fish in contaminated area of the Great Lakes
- C. Assisting with wild fish kill investigations

2. Parks Canada - testing samples from wild salmonids from Alberta and BC for the cause of whirling disease.

3. UBC, University of Victoria, Simon Fraser University, University of Calgary - we provide diagnostic services for their Animal Care Service veterinarians (this is primarily for fish used as laboratory animals).

4. Canadian Food Inspection Agency (CFIA) - we provided PCR testing for the ISA virus on farm salmon to help CFIA determine whether western Canada has the ISA virus.

5. Oil sands industry - we provided diagnostic services on juvenile rainbow trout that were used for testing the efficacy of methods to reduce fracking effluents.
6. Juvenile rainbow trout producers - we provided diagnostic services for the companies that supply the juvenile trout for toxicity testing by the oil sands industry.
7. Vancouver Aquarium (and other smaller display aquaria around BC) we provide diagnostic services for fish that die while in their care.
8. Vancouver Water and Sewage District - we provide diagnostic services to determine the health of fish living near Vancouver sewage outflows.
9. Fisheries and Oceans Canada (DFO) - we provide diagnostic services for laboratory research projects (e.g., to determine if Jaundice is an infectious disease in Chinook salmon) and for studies of wild salmon health (e.g., juvenile pink salmon gill parasites).
10. Pet fish hobbyists - we occasionally provide diagnostic services for pet fish owners (e.g., koi carp).

Because our team of fish pathologists has recently increased to four veterinarians, I anticipate that opportunities for these types of diagnostic services will increase.

Best regards,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: October-26-17 6:12 PM
To: Marty, Gary D AGRI:EX
Subject: RE: E-mails/Animal Health Center

One other question:

-Are you able to quantify the amount of work the centre has done in the aquaculture sector as a proportion of work compared to work outside the sector?

?Regards
Ian Bailey

[cid:image001.jpg@01CDC1C8.98509410]

Ian Bailey | Reporter B.C. Bureau

p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com<<mailto:youreemail@globeandmail.com>>
[@ianabailey](mailto:ibailey@globeandmail.com)

Hare, Lynette E AGRI:EX

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: Friday, October 27, 2017 8:59 AM
To: Marty, Gary D AGRI:EX
Subject: RE: E-mails/Animal Health Center

Absolutely, In the works.

Rgds

IB

-----Original Message-----

From: Marty, Gary D AGRI:EX [<mailto:Gary.Marty@gov.bc.ca>]
Sent: Thursday, October 26, 2017 11:21 PM
To: Bailey, Ian
Cc: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: Re: E-mails/Animal Health Center

Hi Ian,

These are all very good questions, but they would be best answered by a one of our manaers (e.g., the director of the Plant and Animal Health Branch, Dr. Jane Pritchard). Please contact our communications office (CCed above) to enquire about the availability of one of our managers.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
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From: Bailey, Ian <IBailey@globeandmail.com>
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Still, there are a few more questions, some quite obvious. I would need answers by 11 am PT on Friday:

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[cid:image001.jpg@01CDC1C8.98509410]

Ian Bailey | Reporter B.C. Bureau

p: 604-631-6652 | f: 604-684-7956 | e: ibailey@globeandmail.com<<mailto:youremail@globeandmail.com>>
@ianabailey

Hare, Lynette E AGRI:EX

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: Friday, October 27, 2017 12:09 PM
To: McRae, Meghan GCPE:EX; Marty, Gary D AGRI:EX
Cc: Boelens, Robert GCPE:EX
Subject: One key question at this point

Hi there,

One key question at this point: What percentage of revenues for the Animal Health Centre comes from the aquaculture sector on an annual basis?

Regards

IB

-----Original Message-----

From: McRae, Meghan GCPE:EX [<mailto:Meghan.McRae@gov.bc.ca>]
Sent: Friday, October 27, 2017 6:20 AM
To: Marty, Gary D AGRI:EX
Cc: Bailey, Ian; Boelens, Robert GCPE:EX
Subject: Re: E-mails/Animal Health Center

Thanks Gary,

Ian, we'll see what we can provide you with on background to answer the last two questions by your deadline.

We worked on background for Justine yesterday for this piece, I'm assuming you're aware of that.

Thanks,

Meghan

Sent from my iPhone

On Oct 26, 2017, at 11:21 PM, Marty, Gary D AGRI:EX <Gary.Marty@gov.bc.ca<<mailto:Gary.Marty@gov.bc.ca>>> wrote:

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<image001.jpg>

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@ianabailey

Hare, Lynette E AGRI:EX

From: Bailey, Ian <IBailey@globeandmail.com>
Sent: Sunday, October 29, 2017 8:37 AM
To: Marty, Gary D AGRI:EX
Subject: Re: Request for clarification

I have forwarded this to my editors for review.
IB

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

----- Original message -----

From: "Marty, Gary D AGRI:EX" <Gary.Marty@gov.bc.ca>
Date: 2017-10-28 9:19 AM (GMT-08:00)
To: "Bailey, Ian" <IBailey@globeandmail.com>
Subject: Request for clarification

Hi Ian,

I just read the Globe and Mail story. Overall, it does a good job of presenting the two sides of the issue.

One part, however, is not correct. Would it be possible to revise the online version of the story?

Current wording: "In his e-mail to Dr. Miller, he said he had discovered the symptoms of the disease in 2013"

Correct wording: "In his e-mail to Dr. Miller, he said he had ~~discovered~~ publicly reported the symptoms of the disease two microscopic diagnostic features of HSMI in 2013"

Background: Consistent with what I shared with Dr. Miller, I do not want to be seen as a person that takes credit for discoveries that were previously reported by other scientists. The discovery of heart inflammation (myocarditis and cardiomyopathy) in BC farmed Atlantic salmon would be better attributed a report that is based on samples collected in November 1990 (see the answer to the first question in my reply to you, Thu 2017-10-26 3:14 PM):

Brackett, J., G. Newbound, and D. Speare. 1991. A fall survey of saltwater morbidity and mortality in farmed salmon in British Columbia. British Columbia Ministry of Agriculture and Fisheries. 48 pp.

The authors did not discuss HSMI in their 1991 report because HSMI was not identified as a disease anywhere in the world until 1999. This may be confirmed by contacting the authors:

Dr. Jim Brackett – brackett@syndel.com

Dr. David Speare (Editor-in-Chief, Journal of Fish Diseases) – speare@upei.ca

(I do not have contact information for Dr. Newbound)

A minor point, but HSMI is a disease, not a virus. Therefore, it is not correct to say that "...fish were not infected with HSMI". The correct terminology would be to say, "...fish did not have HSMI".

Finally, the standard that is used for the diagnosis of HSMI by licensed BC veterinarians (regulatory, diagnostic, and private) is based on a peer-reviewed scientific paper published in the Journal of Fish Disease in 2007 [30(9):511-531], "It is important to make a sound diagnosis based on a combination of clinical signs, gross and histopathology." In contrast, Dr. Miller's group uses a case definition of HSMI that does not include clinical signs or gross pathology.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.

Senior Fish Pathologist
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Hare, Lynette E AGRI:EX

From: McRae, Meghan GCPE:EX
Sent: Saturday, October 28, 2017 9:54 AM
To: Marty, Gary D AGRI:EX
Cc: Boelens, Robert GCPE:EX
Subject: Re: Andrew Nikiforuk

Thanks for the update Gary.
Enjoy the weekend,
Meghan

Sent from my iPhone

On Oct 28, 2017, at 9:31 AM, Marty, Gary D AGRI:EX <Gary.Marty@gov.bc.ca> wrote:

Hi Robert and Meghan,

I received an e-mail from Andrew Nikiforuk on Thu 2017-10-26 12:57 PM asking for comments about the week's activities. I have had an ongoing e-mail exchange with Mr. Nikiforuk, so I replied with some of the same information that I had earlier provided to CKNW:

"As part of my work as a board-certified veterinary pathologist, my diagnoses are always subject to review or second opinion by other professionals.

The situation developing this week is unusual in that it has caught the public eye, but otherwise, review of my work is routine.

I and the other professionals at the BC Animal Health Centre work to provide reliable diagnostic services so that people can make informed decisions about their animals (or animals under their control). We provide these services to all that ask, with no discrimination based on political persuasion or personal views. My understanding is that providing diagnostic services to all who need such services is considered a "best practice" in diagnostic medicine."

The first two sentences were quoted (at the end of the story), but the last paragraph was not:
<https://thetyee.ca/News/2017/10/26/Fish-Farm-Occupations-Political-Drama/>

Best regards,

Gary

Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

Hare, Lynette E AGRI:EX

From: Pritchard, Jane AGRI:EX
Sent: Friday, October 27, 2017 1:24 PM
To: Marty, Gary D AGRI:EX
Subject: FW:

Clarification – this is now what will be included, including a follow up phone call explaining that not all of our money coming in stays with us, that in fact most goes to general revenue account for the government.

From: Boelens, Robert GCPE:EX
Sent: Friday, October 27, 2017 1:19 PM
To: Pritchard, Jane AGRI:EX
Subject:

Regarding your question on the breakdown of funding for the AHC:

- The AHC has approximately a \$7 million budget.
- Approximately \$1.4 million in fees were paid by clients including agriculture producers large and small, animal welfare organizations, veterinary clinics and individual citizens in 2016.
- The three large salmon aquaculture companies paid a combined total of \$176,000 in fees in 2016.

Robert Boelens
Government Communications and Public Engagement
Ministry of Agriculture
250 356-1674
Robert.Boelens@gov.bc.ca

Hare, Lynette E AGRI:EX

From: Pritchard, Jane AGRI:EX
Sent: Friday, October 27, 2017 12:52 PM
To: Marty, Gary D AGRI:EX
Subject: FW: For final approval Globe and Mail response

The response to the two questions...

Reporter

Ian Bailey, Reporter
Globe and Mail (BC Bureau)
ibailey@globeandmail.com

Request

The reporter is working on a piece for the Saturday Globe and Mail regarding the work that is done at the Animal Health Centre.

Are you able to provide an example of notable work on a particular file that the centre has done that allows it to stand out from other facilities, including a finding that would have made a difference to the public?

How long has the centre been in operation? Is there anything you can say about the number of staff on duty for its operations?

We are also interested in a breakdown of the lab's funding: How much from the BC government, how much from the private sector through payment for services, how much, if any, from the federal government, including DFO?

Also is there any specific breakout of how much from the aquaculture sector?

Recommendation

Send information on background:

- The B.C. government's Animal Health Centre (AHC) receives more than 6,000 submissions and carries out over 75,000 diagnostic tests on an annual basis.
- The AHC recognizes each submission and diagnostic test with equal importance and applies the same care and attention to the quality and integrity of the diagnostic results which are backed up by two independent international accreditation bodies.
- The team at the Centre includes 12 veterinarians, 19 laboratory scientists, and seven support staff.
- The lab has been in its current location in Abbotsford since 1995. The lab began operations as a dedicated facility at another Abbotsford location in 1965, and shared space at UBC prior to that.
- All diagnostic testing at the AHC is performed following certifiable standard operating procedures utilizing validated protocols.
- The results of each submission make a difference to the public. Each submission represents an impact to the business, livelihood or quality of life for the submitter whether it is a backyard chicken or livestock from a farm.
- In 2014, the AHC made the immediate diagnosis of reportable highly pathogenic Avian Influenza (AI) from the submission of a turkey which triggered the immediate actions to contain the disease.

- The AHC continued to provide the diagnostic testing required for the surveillance after the detection. This provided confirmation of freedom from the disease to allow the movement of poultry and eggs to market maintaining the industry and food security.
- AI has the potential to cripple the poultry industry, and spread disease to humans. Due to the diagnostic service that the AHC provided, the AI outbreak that B.C. suffered through was extraordinarily minimal compared to how it played out in the United States.
- The AHC also performs the forensic necropsies on animals submitted by the BC SPCA to provide documentation backed by expert testimony to bring the alleged perpetrators of animal cruelty to justice.
- The diagnostic work of the AHC includes significant amounts of surveillance work looking for potential new and emerging threats to livestock, poultry, and humans.
- The surveillance of wildlife for disease risks is comparable to the “canary in the coalmine.”
- Most of the significant new and emerging threats to human health have come from wildlife in the last 25 years (ie: SARS, Ebola).
- The AHC made the diagnosis of West Nile Virus in horses before it was seen in humans in B.C. and continues to monitor the source of bat rabies in the province to allow human medical professionals to have the best most accurate and timely information to make decisions on human threats.

Regarding your question on the breakdown of funding for the AHC in 2015-16:

- The AHC had a \$7 million budget
- Approximately \$1.4 million in fees were paid by clients including other governments, agriculture producers large and small, animal welfare organizations, veterinary clinics and individual citizens.
- \$400,000 of the \$1.4 million in fees was aquaculture revenue.
- \$160,000 came through arrangements with the Department of Fisheries and Oceans Canada, and \$20,000 from Parks Canada, and \$37,000 from Provincial and territorial governments outside of B.C

Additional information on the range of tests and their fees that the AHC provides to stakeholders, clients and members of the public is available here:

https://www2.gov.bc.ca/assets/gov/farming-natural-resources-and-industry/agriculture-and-seafood/animal-and-crops/animal-health/ahc_all_tests_fees_sept_2017.pdf

Hare, Lynette E AGRI:EX

From: s.22
Sent: Monday, October 30, 2017 10:25 AM
To: Marty, Gary D AGRI:EX
Cc: Barb Cannon; Tim Rundle - Creative Salmon
Subject: Re: Update on my review

Hi Gary

I was so surprised when heard of this accusation for I have always found you very thorough in your work. I consider you as somebody with very high moral integrity and honesty. You will be vindicated, I am certain of it. As for the manuscript - if you need the meeting date pushed forward to Wednesday - I am fine with it. I am certain, under the circumstances, Kristy Miller (the DFO lead researcher in this project) will also understand the delays in getting the edits back to her. Tim/Barb can you please make sure Kristy Miller (and Jay Parson - ACRDP lead) understand that we are continuing to work on the manuscript.

Thanks
s.22

On Mon, Oct 30, 2017 at 12:57 PM, Marty, Gary D AGRI:EX <Gary.Marty@gov.bc.ca> wrote:

Dear Coauthors,

As some of you might know, this past week I have been dealing with the ramifications of a potentially career-ending accusation of conflict of interest from our other coauthor (it first aired on CTV's W5 on October 14, 2017). Therefore, I have not had time to review our manuscript. However, it looks like I might have some time today to work on the manuscript.

As I have told reporters that have enquired about this issue, the policy of the BC Ministry of Agriculture's Animal Health Centre is to provide reliable diagnostic services for all animal submissions regardless of the submitter's political persuasion, personal views, or source of funds. Our manuscript fits into this policy, and I will do my best to provide the same type of advice to my coauthors under these circumstances that I would if the coauthors had instead nominated me of the Nobel Prize in Fish Pathology.

Best regards,

Gary

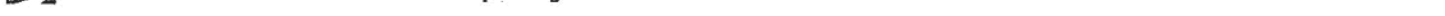
Gary D. Marty, Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

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Hare, Lynette E AGRI:EX

From: McRae, Meghan GCPE:EX
Sent: Monday, October 30, 2017 11:59 AM
To: Marty, Gary D AGRI:EX; Boelens, Robert GCPE:EX
Subject: RE: APTN National News Interview Request

Hi Gary,

I'm sure that written responses would be fine. As we mentioned last week, it's best to approach each of these interviews in a way that you are comfortable with, and now that you've done a few, you may want to keep to written to ensure you're not accidentally contradicting yourself in the media.

Let us know if she's not happy with written responses, and we can try and support you on next steps.

Thanks!
Meghan

From: Marty, Gary D AGRI:EX
Sent: Monday, October 30, 2017 11:55 AM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: FW: APTN National News Interview Request

Hi Robert and Meghan,

Here is an interesting opportunity. As I just wrote to my superiors, "This situation is an unprecedented opportunity to provide my perspective on the situation. If I do not share my perspective, the perspective that is reported might not be my perspective."

One challenge for me is that I tend to talk too fast. Would written responses work for this interview?

Best regards,

Gary

From: Laurie Hamelin [<mailto:lahamelin@aptn.ca>]
Sent: Monday, October 30, 2017 11:31 AM
To: Marty, Gary D AGRI:EX
Subject: APTN National News Interview Request

Hello,

I am hoping you are available to do a recorded phone interview for a story I am doing on the review into BCs Animal Testing Lab. I am available after 3pm today. I look forward to your reply.

Thank you,
Laurie

 Laurie Hamelin

Camera Editor (Casual)
Aboriginal Peoples Television Network

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Hare, Lynette E AGRI:EX

From: Barb Cannon - Creative Salmon <barb.cannon@creativesalmon.com>
Sent: Monday, October 30, 2017 1:28 PM
To: s.22 Marty, Gary D AGRI:EX
Cc: Tim Rundle - Creative Salmon
Subject: RE: Update on my review

Hi Gary and s.22

Gary I can only imagine how this past week has been for you and totally understand that you have not had time to review the manuscript. s.22, we can certainly push this call to Wednesday or even later this week if you need the time.

s.22 I believe Tim was going to contact Kristi and let her know that we have been working on the review and I agree that she should understand the delay in getting her comments/edits.

Gary, please let me know if you'd prefer to delay our call and which day would work best for you.

Cheers,
Barb

From: s.22
Sent: Monday, October 30, 2017 10:25 AM
To: Marty, Gary D AGRI:EX
Cc: Barb Cannon - Creative Salmon; Tim Rundle - Creative Salmon
Subject: Re: Update on my review

Hi Gary

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Thanks

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Hare, Lynette E AGRI:EX

From: Pritchard, Jane AGRI:EX
Sent: Monday, October 30, 2017 2:03 PM
To: Marty, Gary D AGRI:EX
Subject: Re: APTN National News Interview Request

Thank you Gary, I think a written response is an excellent choice. It provides you with the opportunity to share information they haven't asked for as well.

Jane

Sent from my iPhone

On Oct 30, 2017, at 3:18 PM, Marty, Gary D AGRI:EX <Gary.Marty@gov.bc.ca> wrote:

FYI

From: McRae, Meghan GCPE:EX
Sent: Monday, October 30, 2017 11:59 AM
To: Marty, Gary D AGRI:EX; Boelens, Robert GCPE:EX
Subject: RE: APTN National News Interview Request

Hi Gary,

I'm sure that written responses would be fine. As we mentioned last week, it's best to approach each of these interviews in a way that you are comfortable with, and now that you've done a few, you may want to keep to written to ensure you're not accidentally contradicting yourself in the media.

Let us know if she's not happy with written responses, and we can try and support you on next steps.

Thanks!
Meghan

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Sent: Monday, October 30, 2017 11:55 AM
To: Boelens, Robert GCPE:EX; McRae, Meghan GCPE:EX
Subject: FW: APTN National News Interview Request

Hi Robert and Meghan,

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One challenge for me is that I tend to talk too fast. Would written responses work for this interview?

Best regards,

Gary

From: Laurie Hamelin [<mailto:lahamelin@aptn.ca>]
Sent: Monday, October 30, 2017 11:31 AM
To: Marty, Gary D AGRI:EX
Subject: APTN National News Interview Request

Hello,

I am hoping you are available to do a recorded phone interview for a story I am doing on the review into BCs Animal Testing Lab. I am available after 3pm today. I look forward to your reply.

Thank you,
Laurie



Laurie Hamelin
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Hare, Lynette E AGRI:EX

From: Laurie Hamelin <lhamelin@aptn.ca>
Sent: Monday, October 30, 2017 2:27 PM
To: Marty, Gary D AGRI:EX
Subject: Re: APTN National News Interview Request

Hi ,

Thanks for getting back to me. I will keep my questions brief.

Do you agree with Doctor Miller that a conflict of interest could be perceived, if so please explain?

Do you often conduct research for government and private business? Maybe you can explain what research you have done for Marine Harvest?

Are you open to and accepting of this review?

Can you explain why or how your lab didn't characterize the heart inflammation you found as HSMI?

Laurie

From: Marty, Gary D AGRI:EX <Gary.Marty@gov.bc.ca>
Sent: October 30, 2017 1:40:32 PM
To: Laurie Hamelin
Subject: RE: APTN National News Interview Request

Dear Laurie,

Thank you for the enquiry. As a veterinarian, I take seriously my ethical responsibility to educate the public about matters of animal health, regardless of whether people disagree with me.

Because the accusation of a conflict of interest could potentially end my career with the BC government, I am uncomfortable with a recorded phone interview.

However, I am willing to provide written answers to any questions that you might have related to my role in this situation. [Note that I have diagnostic cases to complete as part of my regular job, but I will do my best to get responses to you by the end of the day that I receive the questions.]

Please note that I am not involved in designing the review. Therefore, I might need to refer some questions to the director of the Plant and Animal Health Branch, Dr. Jane Pritchard.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.


Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
Abbotsford, BC, V3G 2M3
604-556-3123

From: Laurie Hamelin [mailto:lhmelin@aptn.ca]
Sent: Monday, October 30, 2017 11:31 AM
To: Marty, Gary D AGRI:EX
Subject: APTN National News Interview Request

Hello,

I am hoping you are available to do a recorded phone interview for a story I am doing on the review into BCs Animal Testing Lab. I am available after 3pm today. I look forward to your reply.

Thank you,
Laurie

 **Laurie Hamelin**
Camera Editor (Casual)
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Hare, Lynette E AGRI:EX

From: Laurie Hamelin <lhamelin@aptn.ca>
Sent: Tuesday, October 31, 2017 7:02 AM
To: Marty, Gary D AGRI:EX
Subject: Re: APTN National News Interview Request

I appreciate your detail Doctor Marty. Thank you very much!

Laurie

From: Marty, Gary D AGRI:EX
Sent: October 30, 2017 9:15:20 PM
To: Laurie Hamelin
Subject: RE: APTN National News Interview Request
Hi Laurie,

Please see my answers below. Some of the answers are complex, so I include a brief summary before additional details.

From: Laurie Hamelin [mailto:lhamelin@aptn.ca]
Sent: Monday, October 30, 2017 2:27 PM
To: Marty, Gary D AGRI:EX
Subject: Re: APTN National News Interview Request

Hi ,

Thanks for getting back to me. I will keep my questions brief.

Do you agree with Doctor Miller that a conflict of interest could be perceived, if so please explain?

Summary: I am not able to control the perceptions of other people. However, when people learn about my commitment to provide reliable diagnostic services for all types of fish—regardless who owns them or oversees their welfare—I am confident that they will not perceive a conflict of interest.

Details: I am one of four fish pathologists at the BC Animal Health Centre that provide reliable diagnostic services to licensed veterinarians working with farm salmon. Our clients include Kuterra, the land-based salmon operation fully owned by the Namgis First Nation.

Our work should not be perceived as a conflict of interest—as defined by the BC Public Service Agency—because we do not receive any personal financial gain for our work (beyond our regular government salaries).

We provide reliable diagnostic services to people that need to make informed decisions about their fish. We provide these services to all that ask, with no discrimination based on political persuasion, personal views, or source of funds to pay for our services.

Regarding concerns that we provide diagnostic service for both DFO regulators and for salmon farmers, I recognize that our clients sometimes have different interests, and some people might question whether providing diagnostic services for all fish represents a conflict of interest.

However, I believe strongly that we must provide diagnostic services for all fish that need such service. I also believe strongly that providing unquestioned diagnostic services for all fish does **not** constitute a conflict of interest. Indeed, our diverse client base is evidence that our services are reliable.

Do you often conduct research for government and private business? Maybe you can explain what research you have done for Marine Harvest?

A point of clarification: the BC Animal Health Centre is an independently accredited **veterinary diagnostic laboratory**, and my position is as a fish pathologist. We sometimes provide diagnostic services for scientific studies, but we are not a research laboratory.

Summary: Over the past few years we have had several active projects with other government agencies and private businesses, including Marine Harvest.

Details:

In the project with Marine Harvest, we show that BC salmon farms are not increasing PRV infection in wild salmon, and PRV is not associated with disease in wild salmon. These results are published in the Journal of Fish Diseases:

1. Piscine reovirus (PRV) was fairly common in BC wild-source salmon and BC farm salmon as early as 1987.
2. In 2013, PRV in wild coho salmon sampled from Alaska was as common as in British Columbia (5 - 10% of fish tested); these test results provide evidence that BC Atlantic salmon farms are not increasing PRV infection in wild salmon. [I am not aware of any evidence to the contrary. Alaska prohibits the farming of Atlantic salmon.]
3. PRV at Marine Harvest sites near the Fraser River sockeye salmon migration route was as common in 2007 as in 2008. Therefore, we conclude that PRV on Marine Harvest farms did not contribute to the low adult returns in 2009 or the high adult returns in 2010.
4. Finally, PRV was not associated with disease in any of the fish that we studied.

Other projects (current and recent):

1. Environment and Climate Change Canada:
 - A. assessing the health of fish in oil sands effluent receiving waters;
 - B. Assessing the health of fish in contaminated areas of the Great Lakes;
 - C. Assisting with wild fish kill investigations.
2. Parks Canada - testing samples from wild trout from Alberta and BC for the cause of whirling disease.
3. UBC, University of Victoria, Simon Fraser University, University of Calgary - we provide diagnostic services for their Animal Care Service veterinarians (this is primarily for fish used as laboratory animals).
4. Canadian Food Inspection Agency (CFIA) – we tested farm salmon for the ISA virus to help CFIA determine whether western Canada has the ISA virus.

5. Effluent testing industry – industries that release water into the environment must have their effluent tested on juvenile fish. We provided diagnostic services on juvenile rainbow trout that were being used to improve methods to reduce the toxicity of fracking effluents.
6. Juvenile rainbow trout producers - we provided diagnostic services for the companies that supply the juvenile trout for toxicity testing by the oil sands industry.
7. Vancouver Aquarium (and other smaller display aquaria around BC) – we provide diagnostic services for fish in their care.
8. Vancouver Water and Sewage District - we provide diagnostic services to determine the health of fish living near Vancouver sewage outflows.
9. Fisheries and Oceans Canada (DFO) - we provide diagnostic services for laboratory research projects (e.g., to determine if jaundice is an infectious disease in Chinook salmon) and for studies of wild salmon health (e.g., gill parasites in juvenile pink salmon near salmon farms).
10. Pet fish hobbyists - we occasionally provide diagnostic services for pet fish owners (e.g., koi carp).

Are you open to and accepting of this review?

As part of my work as a board-certified veterinary pathologist, my diagnoses are always subject to review or second opinion by other professionals.

The situation that developed last week is unusual in that it has caught the public eye, but otherwise, review of my work and of the other professionals at the BC Animal Health Centre is routine.

I and the other professionals at the BC Animal Health Centre work to provide reliable diagnostic services so that people can make informed decisions about their animals, including wild animals in their territory. Providing diagnostic services to all who need such services is considered a "best practice" in diagnostic medicine.

Can you explain why or how your lab didn't characterize the heart inflammation you found as HSMI?

Summary: We do not use the term HSMI to diagnose heart disease in BC because our fish do not have the severe form of HSMI that affects Norwegian salmon.

Details: Changing the name of a disease is not a threat to wild salmon. Reports of heart disease in BC farm salmon date back as far as 1990. In 2006 we began closely tracking heart disease in BC farmed Atlantic salmon; it kills only ~2 fish for every 1,000 in the ocean. In Norway, HSMI on some farms kills up to 200 fish per 1,000.

The proportion of BC farm salmon affected by heart disease has not changed since we began tracking the disease in 2006. The new scientific paper by Dr. Kristi Miller's research group has not reported anything different; they just use a name for some fish with heart disease (HSMI) that is different from the description that we use (unexplained heart disease).

In order to diagnose HSMI, I use criteria established in a 2007 scientific paper published in the Journal of Fish Diseases. For a diagnosis, the affected fish need to have inflammation in the heart and muscle, and also have clinical signs of the disease. In contrast, the criteria used for the diagnosis of HSMI by Dr. Kristi Miller's research group do not require the fish to have clinical signs of the disease.

Finally, since the late 1800s controlled laboratory exposure studies have been the basis for determining if a microbe causes disease. Several such studies have been completed with BC PRV and BC salmon. All studies report that PRV is infectious, but infection results in either:

- 1) No inflammation or disease; or,
- 2) A transient inflammation in the heart that does not impair fish performance during a stress test.


Let me know if you have any additional questions.

Sincerely,

Gary

Gary D. Marty, D.V.M., Ph.D., Diplomate, A.C.V.P.
Senior Fish Pathologist
Animal Health Centre
Ministry of Agriculture
1767 Angus Campbell Rd.
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Laurie

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