

From: Mark Preece
Sent: 14 Sep 2020 19:13:46 +1200
To: Chanelle Seabrook
Subject: RE: BOI 2020/2021 MEM-AMP - lighting effects monitoring

Hi Chanelle

Sounds good with respect to a visit on the seafarms – happy to be done by 1130h, as I understand Claire does half days. We can get her back to Waikawa by then, which means she'll be 1200h in Blenheim. If that sounds OK, I will come back with some suggested dates.

With respect to the lighting monitoring program, my understanding of the condition was to monitor the effects of underwater lights on wild fish, seabirds and mammals over 'two lighting seasons or 2y'. We turn our lights on about April and run them to Oct (depends on the fish strategy), so this year (April 20 to Oct 20) will be the first look at this effect (on these farms). We aim to do a repeat monitoring analysis from April 21 to Oct 21.

Thanks

From
Mark

From: Chanelle Seabrook <Chanelle.Seabrook@marlborough.govt.nz>
Sent: Monday, 14 September 2020 8:19 AM
To: Mark Preece <Mark.Preece@kingsalmon.co.nz>
Subject: RE: BOI 2020/2021 MEM-AMP - lighting effects monitoring

Good morning Mark,

I would definitely be interested in being shown around the farms and agree it would be beneficial for my understanding of the annual monitoring information. If you believe this could be completed before ~1130am then Claire would also be interested. If it is likely to take longer I will attend by myself.

Thank you for clarifying the situation with the lighting monitoring at Kopaua. Given that the MEM-AMPs covers a period from August – July can I assume that the monitoring at Kopaua started in April 2020 – July 2020 (under the 2019/2020 MEM-AMP) and the August 2020 – October 2020 monitoring is under the 2020/2021 MEM-AMP. Can I confirm whether the lightening effects at Waitata commenced in August 2020 or whether you are planning on starting this in April 2021 (under the 2020/2021 MEM-AMP). It is a little messy as the monitoring period for the lighting effects runs over two MEM-AMPs, it might be easiest to confirm the period you commenced/or will start the lighting monitoring for Waitata and Kopaua so I know what MEM-AMP it relates to.

On a side note, to ensure we are on the same page, if this is the first year you have started this type of monitoring you will need to continue this monitoring for an additional year. See below condition 66k:

*“Quarterly monitoring over **2 years** by scientifically advised marine farm staff of the effects from submerged artificial lighting on changes in night-time feeding activity by fish, seabirds and marine*

mammals in and around the illuminated net pens, in order to confirm that the magnitude of these effects are generally as expected.”

Ngā mihi,
Chanelle Seabrook
Environmental Protection Officer



Phone: 03 520 7400

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From: Mark Preece [<mailto:Mark.Preece@kingsalmon.co.nz>]
Sent: Thursday, 10 September 2020 10:11 AM
To: Chanelle Seabrook
Subject: RE: BOI 2020/2021 MEM-AMP - lighting effects monitoring

Hi Chanelle

Great to catch up too, I forgot to mention as I have previously extended an invite to Claire as well, but it would be great to have you out on our farms to familiarise yourself with the operation. I believe it's really useful, as it can help provide context to lots of the annual monitoring information. I'd be happy to organise the logistics and facilitate the trip.

With regards to the lighting at Kopaua, monitoring has started this year and will be completed when we turn the lights off – in about another months' time. This is the first year we have used lights at Kopaua.

Thanks

From
Mark

From: Chanelle Seabrook <Chanelle.Seabrook@marlborough.govt.nz>
Sent: Thursday, 10 September 2020 9:32 AM
To: Mark Preece <Mark.Preece@kingsalmon.co.nz>
Subject: BOI 2020/2021 MEM-AMP - lighting effects monitoring

Good morning Mark,

It was nice to meet you on Tuesday.

I would like some clarity around the lighting effects monitoring (refer to '**6.1.1. Sampling frequency**', pg. 23 of the attached MEM-AMP).

It is not clear whether this type of monitoring has already commenced at the Kopaua farm or whether it will begin this year. May you please clarify when this monitoring started/will start?

Ngā mihi,

Chanelle Seabrook

Environmental Protection Officer



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