

**From:** Lauren Kensington-8413  
**Sent:** 19 Oct 2016 12:10:17 +1300  
**To:** Mark Gillard  
**Subject:** RE: New sites memamp

Good Afternoon Mark

I have now reviewed the MEMAMP for Ngamahau, Kopaua and Waitata Farms. I can confirm that the requirements for conditions 64 and 65 for U140296 and Conditions 65 and 66 for U140295 and U140294 have been met. Please see below table outlining the compliance for the respective conditions.

<b>Assessment of Compliance for New Zealand King Salmon Resource Consents U140296, U140295 and U140294 Marine Environmental Monitoring Adaptive Management Plan 2016-17</b>		
Condition	Comment	Compliance Status
64/65.	<p>a. recommendations from the previous reports have been used in the MEMAMP. It has been highlighted that fine scale water column monitoring is unlikely to detect farm related effects and that a s127 would be required to remove this from the monitoring requirements.</p> <p>b. The monitoring for each of the requirements of condition 65 has been outlined in the MEMAMP. The methods, locations and frequency of the monitoring of the three farms have been detailed. The recommendations from previous monitoring reports have been taken into account for the 2016/17 monitoring.</p> <p>c. The monitoring for EQS are detailed in the MEMAMP.</p> <p>d. The MEMAMP includes the monitoring for soft sediment habitats, reef habitats, the water column and lighting effects.</p>	
65/66.	<p>a. The level of sampling, analytes, sampling methods, locations and timing have been provided in table 2 and throughout part 3 of the MEMAMP.</p> <p>b. The copper and zinc monitoring has been outlined in the MEMAMP. A grab sample is to be taken in January 2017. The recommendations from the previous annual reports have been considered with regards to the decision tree.</p> <p>c. Routine and full suite monitoring of the water column are being used to determine compliance with WQS. The required parameters have been outlined for monitoring in the MEMAMP. Monitoring has been outlined for August and September 2016 and February and March 2017.</p> <p>d. The monitoring intensity of the marine farm is reflective of the age of the marine farms. Therefore the MEMAMP for the three new farms has been combined.</p> <p>e. Part 4 of the MEMAMP discusses water column monitoring. Fine scale monitoring is to be used to fulfill part e. All of the required parameters have been outlined in the MEMAMP for monitoring. Surveys are planned for August and March.</p> <p>f. Reference stations are being used for monitoring of farm effects in neighbouring</p>	

bays. There are a combination of existing and new reference stations

g. The MEMAMP outlines that there are three potential impact sites in Ngamahau Bay, two potential impact sites at Waitata Reach and two potential impact sites at Richmond Bay. Reference sites for these impact sites are also outlined. The MEMAMP outlines the methods for monitoring the reef habitats for notable biological features and grazers and macro algae. The scallop population in Ketu Bay has been identified as a highly valued site for customary, recreational and commercial purposes. The monitoring reports will include estimates of scallop abundance.

h. the monitoring of ephemeral macroalgae has been outlined with the Reef Monitoring information in the MEMAMP. Macroalgae will be monitored using fixed transects

j. The lighting effects are monitored by NZKS staff on four occasions between April and October. The methodology for monitoring is outlined in the MEMAMP.

Kind Regards

**Lauren Kensington**  
**Environmental Protection Officer**



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**From:** Mark Gillard  
**Sent:** Tuesday, 4 October 2016 10:08 a.m.  
**To:** Lauren Kensington-8413; Steve Urlich-8309; Mark James  
**Cc:** Frank Hippolite; Te Runanga O Ngati Kuia; [billy@ngatikuia.iwi.nz](mailto:billy@ngatikuia.iwi.nz)  
**Subject:** Fwd: New sites memamp

fyi

**Mark Gillard**, *Environmental Compliance Manager*



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----- Forwarded message -----

From: **Deanna Elvines** <[Deanna.Elvines@cawthron.org.nz](mailto:Deanna.Elvines@cawthron.org.nz)>

Date: 4 October 2016 at 09:47

Subject: New sites memamp

To: "[mark.gillard@kingsalmon.co.nz](mailto:mark.gillard@kingsalmon.co.nz)" <[mark.gillard@kingsalmon.co.nz](mailto:mark.gillard@kingsalmon.co.nz)>, "Karen Mant ([Karen.Mant@kingsalmon.co.nz](mailto:Karen.Mant@kingsalmon.co.nz))" <[Karen.Mant@kingsalmon.co.nz](mailto:Karen.Mant@kingsalmon.co.nz)>

Cc: Dave Taylor <[Dave.Taylor@cawthron.org.nz](mailto:Dave.Taylor@cawthron.org.nz)>

Hi Mark and Karen,

Please find attached the final version of the new sites MEMAMP. Note the changes to section 4.1, regarding the implementation of the water column recommendations, which we have clarified in discussion with MDC.

Might pay to forward this on to the PRP as well as MDC, so they also have the most up to date version. Will work on the TEP MEMAMP prior to December (due at MDC Dec 15<sup>th</sup>).

Cheers,

Deanna Elvines

Marine Ecologist

Coastal & Freshwater Group



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