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Certifier: Yashika Joshi
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MARSHALL DAY Acoustics

KENNEDY POINT MARINA
NOISE MANAGEMENT PLAN

Rp 003 r02 2016226A | 24 Aug 2023

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Project: **KENNEDY POINT MARINA**

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Report No.: **Rp 003 2016226A**

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1.0 INTRODUCTION

Marshall Day Acoustics has been engaged by Kennedy Point Boat Harbour Limited (**KPBL**) to prepare this Noise Management Plan (**NMP**) for Kennedy Point Marina (**the Marina**).

To satisfy Consent Condition 93, this NMP includes:

- Key staff responsible for the implementation of this NMP (Section 2.0)
- The relevant Consent Conditions (Section 3.0)
- Measures to minimise the noise effects from marina activities (Section 4.0)
- How to respond to a noise complaint (Section 5.0)
- When and how to undertake noise monitoring (Section 6.0)

This NMP will be implemented on an ongoing basis by the consent holder to satisfy Consent Condition 94. However, it must be reviewed periodically to ensure it is relevant and effective. If there are material changes, it should be resubmitted to Council in accordance with Consent Condition 94.

A glossary of technical terminology is included in Appendix A.

The Marina is identified in a map included in 0.

2.0 CONTACT DETAILS

The Marina Manager is responsible for implementing this NMP. Contact details for the relevant personnel are listed in Table 1.

Table 1: Contacts

Role	Name	Organisation	Phone	Email
Marina Manager	Mark Schmack	Kennedy Point Marina	021 624 614	mark@kpmarina.co.nz
Noise Specialist	C Fitzgerald	Marshall Day Acoustics	021 534 899	craig.fitzgerald@marshallday.co.nz

3.0 RELEVANT CONSENT CONDITIONS

The relevant Consent Conditions are included in Appendix C. In summary:

- Condition 93: Requires this NMP to be certified Auckland Council and include the components listed (Section 1.0).
- Condition 94: This NMP must be implemented on an ongoing basis (Section 1.0).
- Condition 99 (b): The Marina Rules must include rules dealing with noise and lighting, including:
  - Measures to be taken to prevent halyard slap (Section 4.2)
  - A prohibition on the use of wind-driven electricity generators in the Marina (Section 4.4)
  - That trolleys shall be fitted with rubber tyres (Section 4.4)
  - Restrictions on people living on boats (Section 4.4)
- Condition 103: Limits the hours of operation of the public facilities to:
  - Café activities: 7am – 4pm
  - Community/club meetings: 4pm – 10pm
- Condition 106: Marina noise must comply with the following noise limits at the boundary of any Residential site or the notional boundary of any dwelling in any other zone:

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- Day: 7am – 10pm 50 dB L_{Aeq}
- Night: 10pm – 7am 40 dB L_{Aeq} and 75 dB L_{AFmax}

- Condition 107: Marina noise will be measured in accordance NZS 6801:2008 Acoustics – Measurement of Environmental Sound and assessed in accordance with NZS 6802:2008– Acoustics Environmental Noise.

The Draft Marina Berth Licence (June 2023) requires all berth-holders to comply with the Marina Rules (clause 3.1) and the Schedule to the Berth Licence requires the Licensee (i.e. the berth holder) to acknowledge that they have read and agree to comply with the Marina Rules at all times. It is recommended that these provisions be retained in the Final Marina Berth Licence to be put in place for Kennedy Point Marina

4.0 MITIGATION AND MANAGEMENT

4.1 Training

All Marina staff and contractors must undertake an induction to gain access to the site. This induction, prior to commencing work, will highlight and identify the following:

- The noise sensitivity of residential receivers in the Kennedy Point community;
- The noise mitigation and management measures in this NMP (Section 4.0);
- How to respond to a noise complaint (Section 5.0); and
- When to undertake noise monitoring (Section 6.0).

Awareness of current noise matters will be addressed using noticeboards, staff communications, pre task meetings or further targeted training sessions.

4.2 Halyard slap

Draft Marina Rule 12.3 requires that all halyards, lines, ropes, rigging and sheets on vessels berthed in the Marina must be secured so that they do not create any unreasonable noise or other nuisance.

The Marina Manager (or delegated staff member) will undertake regular inspections throughout the Marina, including at times when wind conditions are likely to give rise to halyard slap. In the event halyards, lines, ropes, rigging or sheets are observed to be loose. Draft Marina Rule 19.1 entitles the Marina Manager (or delegated staff member) to enter onto any vessel to rectify the situation.

These Draft Marina Rules provide appropriate mitigation and management for potential noise effects associated with halyard slap etc and it is recommended that they be retained in the Final Marina Rules to be put in place for Kennedy Point Marina.

4.3 Amplified Music

Draft Marina Rule 12.4 requires that amplified entertainment systems on vessels berthed in the Marina must be operated at a reasonable and respectable volume to avoid nuisance or disturbance to other persons within the Marina and the surrounding community.

Furthermore, Draft Marina Rule 12.5 requires that amplified music must not be audible at another berthed vessel between the hours of 10pm and 7am.

The Marina Manager (or delegated staff member) will undertake regular inspections throughout the Marina to monitor the use of amplified music on vessels. Draft Marina Rule 19.1 entitles the Marina Manager (or delegated staff member) to enter onto any vessel to rectify any breach of this rule.

These Draft Marina Rules provide appropriate mitigation and management for potential noise effects associated with amplified music and it is recommended that they be retained in the Final Marina Rules to be put in place for Kennedy Point Marina.

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4.4 Other General Measures

Complaints can arise regardless of compliance with the noise limits in Consent Condition 106. To avoid complaints, general mitigation and management measures must include, but are not limited to:

- Avoid unnecessary noise, such as shouting, slamming gates and rough handling of material and equipment (Draft Marina Rule 12.1).
- Diesel and wind-driven electricity generators must not be operated on any vessel while berthed in the Marina (Draft Marina Rule 12.2).
- Trolleys shall be fitted with rubber tyres (Draft Marina Rule 12.6).
- Use of septic tank pumps and recycling/rubbish facilities must be limited to the hours of 7am – 10pm (Draft Marina Rule 12.8).
- Avoid high engine revs through appropriate equipment selection, observe speed limits in the marina (Draft Marina Rules 11.4 – 11.6), and turn engines off when idle (Draft Marina Rule 12.9).
- The use of vessel horns will be avoided except as required by the Maritime NZ Rules (e.g. restricted visibility and distress signals) (Draft Marina Rule 12.10).
- Managing the duration and terms on which people may stay overnight on vessels in the Marina (Draft Marina Rule 3.11).

These Draft Marina Rules provide appropriate mitigation and management for potential noise effects associated with activities occurring within the marina and it is recommended that they be retained in the Final Marina Rules to be put in place for Kennedy Point Marina.

5.0 ENGAGEMENT

5.1 Communication

All contact details, news and media releases are hosted on the Marina website and/or social media channels.

Targeted engagement with community and stakeholders is to be undertaken on a case-by case basis.

5.2 Complaints Response

Noise complaints should be directed to the Marina Manager listed in Table 1 and/or on-site security. Their contact details are also hosted on the Marina website.

For each community noise complaint, an investigation will be undertaken in two phases:

- Phase 1 – Acknowledge receipt of the concern or complaint:
  - Time and date the complaint was received and who received it
  - Time and date of the activity subject to the complaint (estimated where not known)
  - The name, address and contact details of the complainant (unless they elect not to provide)
  - The complainant's description of the activity and its resulting effects, including notes about the character of the noise (e.g. one-off bang, continuous hum, low or high frequency)
  - The complainant's description of the location or relative direction of the source
  - Advise complainant the immediate action will be taken, thank them for reporting the noise effects and confirm if they wish to be called back with an update.
- Phase 2 – management of the complaint:

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- Review the environmental conditions (e.g. if complainant is down wind of the activity)
- Review the mitigation and management measures to ensure the activity represents the Best Practicable Option (Section 4.0)
- Review the relief sought by the complainant and adopt if practicable
- Consider noise monitoring (Section 6.0)
- Report the findings, implement resulting changes and update this NMP if appropriate
- If requested, report the outcomes of the investigation to the complainant, identifying where the relief sought by the complainant has been adopted or the reason(s) otherwise

In most cases, ceasing the activity would provide immediate relief. However, this may not be practicable for safety and/or operational reasons.

All community noise complaints will be recorded in a file that is available to affected parties and Council on request.

6.0 NOISE MONITORING

The Marina will commission attended noise monitoring in response to a reasonable noise complaint if it assists in understanding the level and/or effect of the source of complaint (Section 5.2).

The noise monitoring will be undertaken by a suitably qualified and experienced professional. Contact details for the Noise Specialist are included in Table 1. All noise monitoring results will be recorded in a file that is available to affected parties and Council on request.

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APPENDIX A GLOSSARY OF TERMINOLOGY

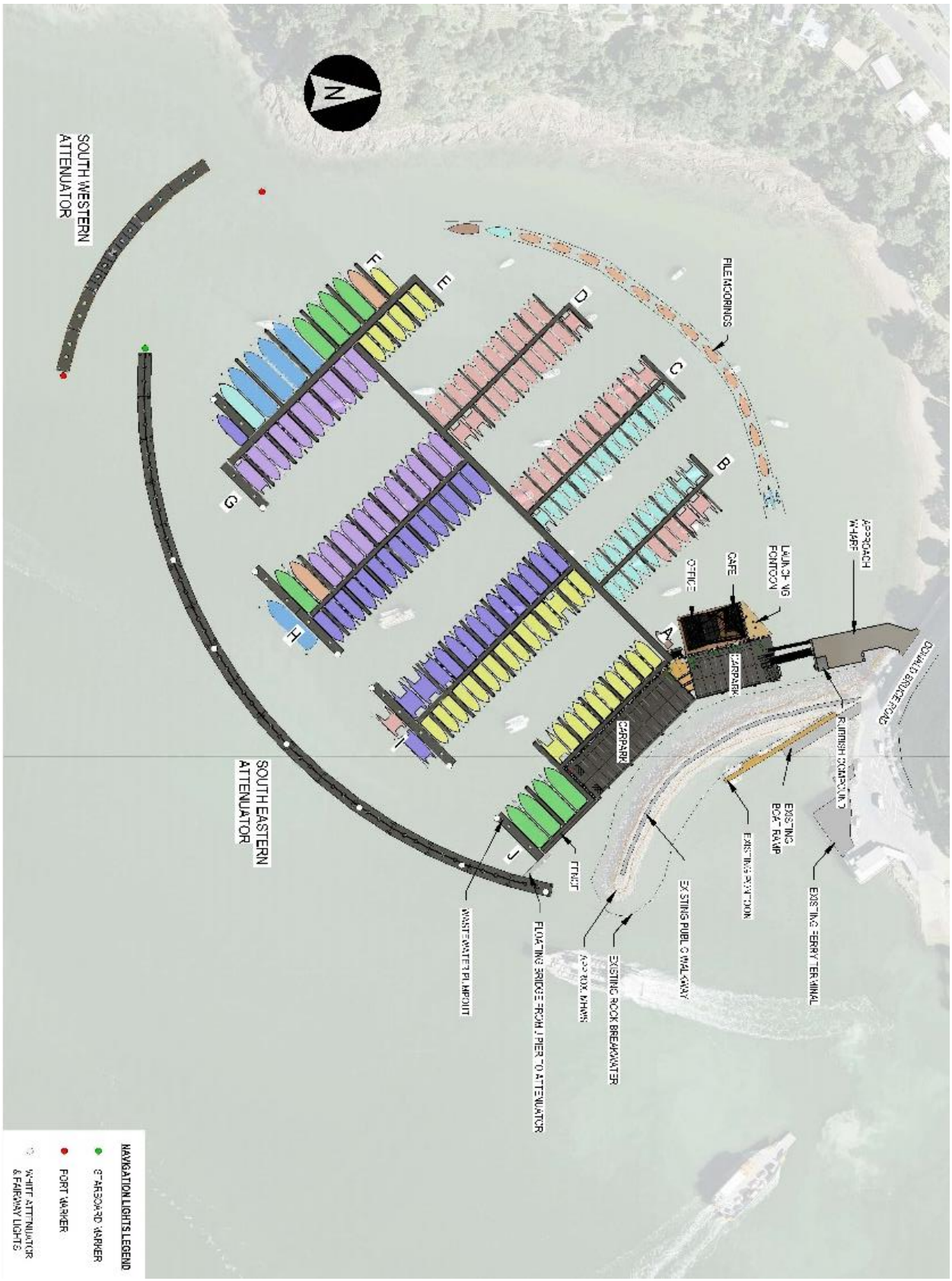
NZS 6801:2008	New Zealand Standard NZS 6801:2008 Acoustics – Measurement of environmental sound
NZS 6802:2008	New Zealand Standard NZS 6802:2008 Acoustics - Environmental Noise
A-weighting	A set of frequency-dependent sound level adjustments that are used to better represent how humans hear sounds. Humans are less sensitive to low and very high frequency sounds. Sound levels using an "A" frequency weighting are expressed as dB LA. Alternative ways of expressing A-weighted decibels are dBA or dB(A).
dB	Decibel. The unit of sound level.
L_{Aeq}	The equivalent continuous A-weighted sound level. Commonly referred to as the average sound level and is measured in dB.
L_{AFmax}	The A-weighted maximum sound level. The highest sound level which occurs during the measurement period. Usually measured with a fast time–weighting i.e. L_{AFmax}

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APPENDIX B SITE

Figure 1: Kennedy Point Marina



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APPENDIX C CONDITIONS OF CONSENT

The CST60082321-B Consent Conditions relevant to noise are reproduced in part below:

Noise Management Plan

93. Prior to any vessels being berthed at the completed marina the consent holder shall submit to the Team Leader for approval a Noise Management Plan (**NMP**). The NMP shall include the following:

(a) Details of required procedures to minimise the effects of noise from marina activities including time restrictions, if necessary, on amplified music, and the use of septic tank pumps, and recycling facilities and prevention of halyard slap;

(b) Details of procedures for community liaison and handling of noise complaints;

(c) Schedule and methods for monitoring and reporting on marina noise; and

(d) Contact numbers for key staff responsible for the implementation of the NMP and complaint investigation.

94. The approved NMP shall be implemented on an ongoing basis by the consent holder.

Marina Rules

99. Prior to any vessels being berthed at the completed marina, the consent holder shall provide proposed Marina Rules to the Team Leader for approval. As a minimum, the Marina Rules shall include rules dealing with the following matters:

(b) Noise and lighting, where that can reasonably be controlled by the consent holder, including;

(i) The measures to be taken to prevent halyard slap:

(ii) A prohibition on the use of wind-driven electricity generators on all vessels whilst berthed in the marina;

(iii) That trolleys shall be fitted with rubber tyres, wherever practicable;

(iv) The management of lighting; and

(v) Restrictions on people living on boats.

Operation of Public facilities building

103. The public facilities building shall be limited to a maximum occupancy of 30 persons (including staff), and shall be subject to the following operating times:

Limits on Noise from Marina Activities

106. The Consent Holder shall ensure that noise from the operation of the marina complies with the following noise levels as measured within the boundary of any residential site or the notional boundary of any dwelling.

(a) 50 dB LA_{eq} between 7 a.m.-10 p.m.; and

(b) 40 dB LA_{eq} and 75 dB LAF_{max} at all other times.

107. Noise shall be measured and assessed in accordance with the provisions of New Zealand Standards NZS 6801:2008 Acoustics – Measurement of Environmental Sound and NZS 6802:2008– Acoustics Environmental Noise.

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