



PORT of
vancouver

Noise Monitoring Program Annual Report Summary

PCLC Delta

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Environmental Programs

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NOISE MANAGEMENT PROGRAM

- Noise monitoring network that enables us to:
 - Establish a baseline of port noise levels
 - Monitor trends and measure impacts
 - Provide community with a tool for reporting concerns
 - Provide port users with quantitative data on noise
- Assessment guidelines for evaluating tenant projects
- Advocate for infrastructure projects that reduce noise
- Engage port users on noise impacts
- Engage community to obtain feedback on our approach



11 noise monitoring terminals are located throughout the port, along the North and South Shores of Burrard Inlet and at Roberts Bank.

PORT NOISE MONITORING

What are typical sources?

- Terminal operations
 - Equipment
 - Alarms, beepers, signals
- Construction noise
- Ocean going vessels
 - Auxiliary engines
- Truck traffic
- Rail traffic
 - Locomotive idling, horns
 - Shunting, track squeal

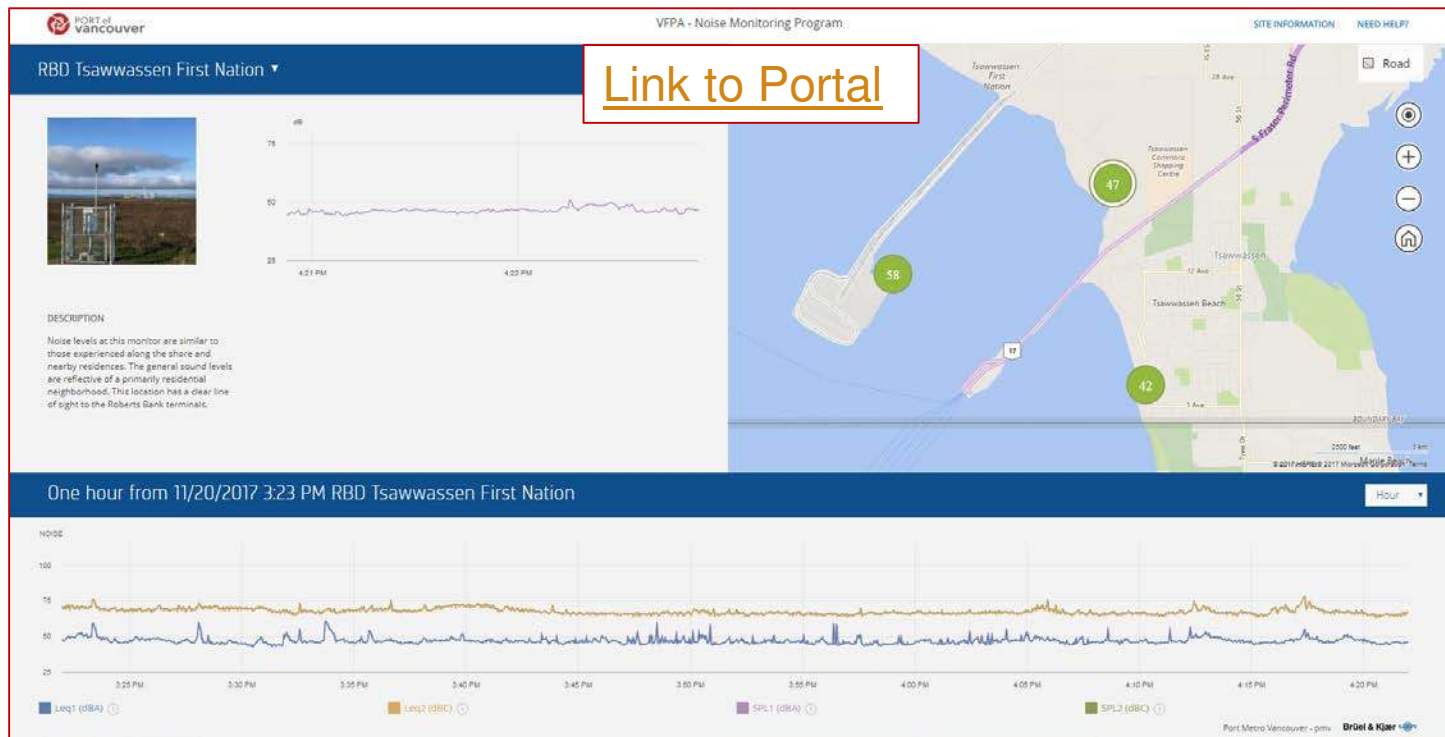
What is measured?

- Continuous sound levels
- # sound events / sound clips

Environmental Noise
relates to ambient sound beyond comfort levels caused by traffic, construction, and industrial activities.

NOISE MONITORING: ROBERTS BANK DELTA

- Noise monitoring stations installed late 2015
- Stations and real-time monitoring provided by Bruel & Kjaer
- Analysis conducted by local firm – BKL Consultants Ltd.



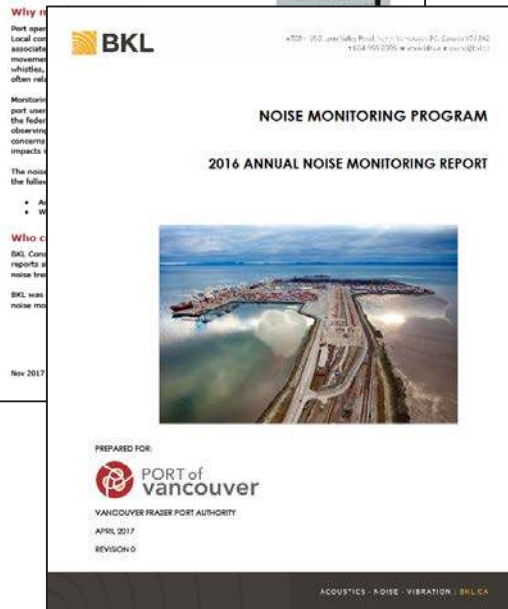
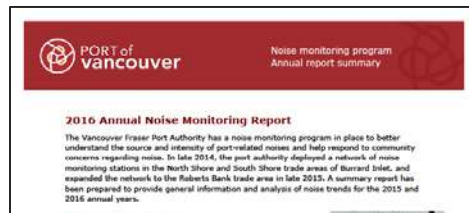
REPORTING NOISE: 2015-2016 SUMMARY

Key Questions

- Are noise levels louder or quieter over time?
- What are the nighttime noise trends?

General Outcome

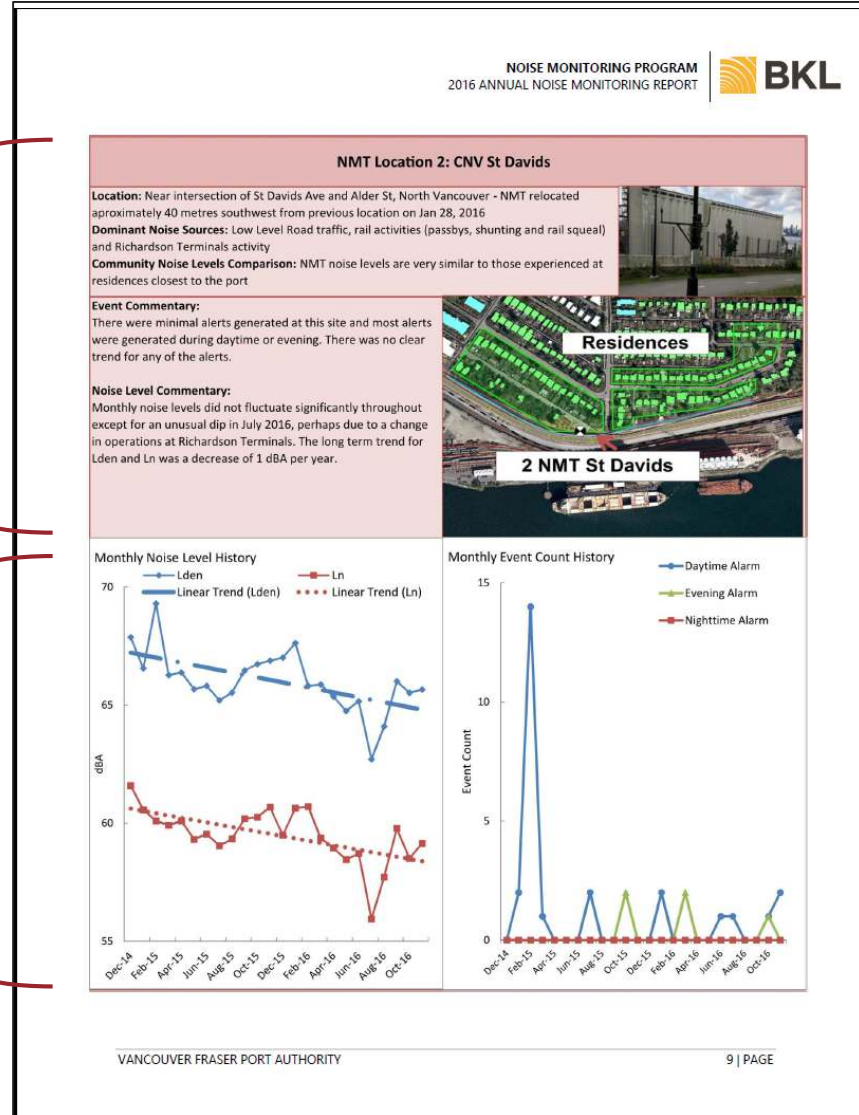
Noise levels remain stable, neither materially increasing nor decreasing over the long term.



REPORTING NOISE: LOCATION SUMMARY

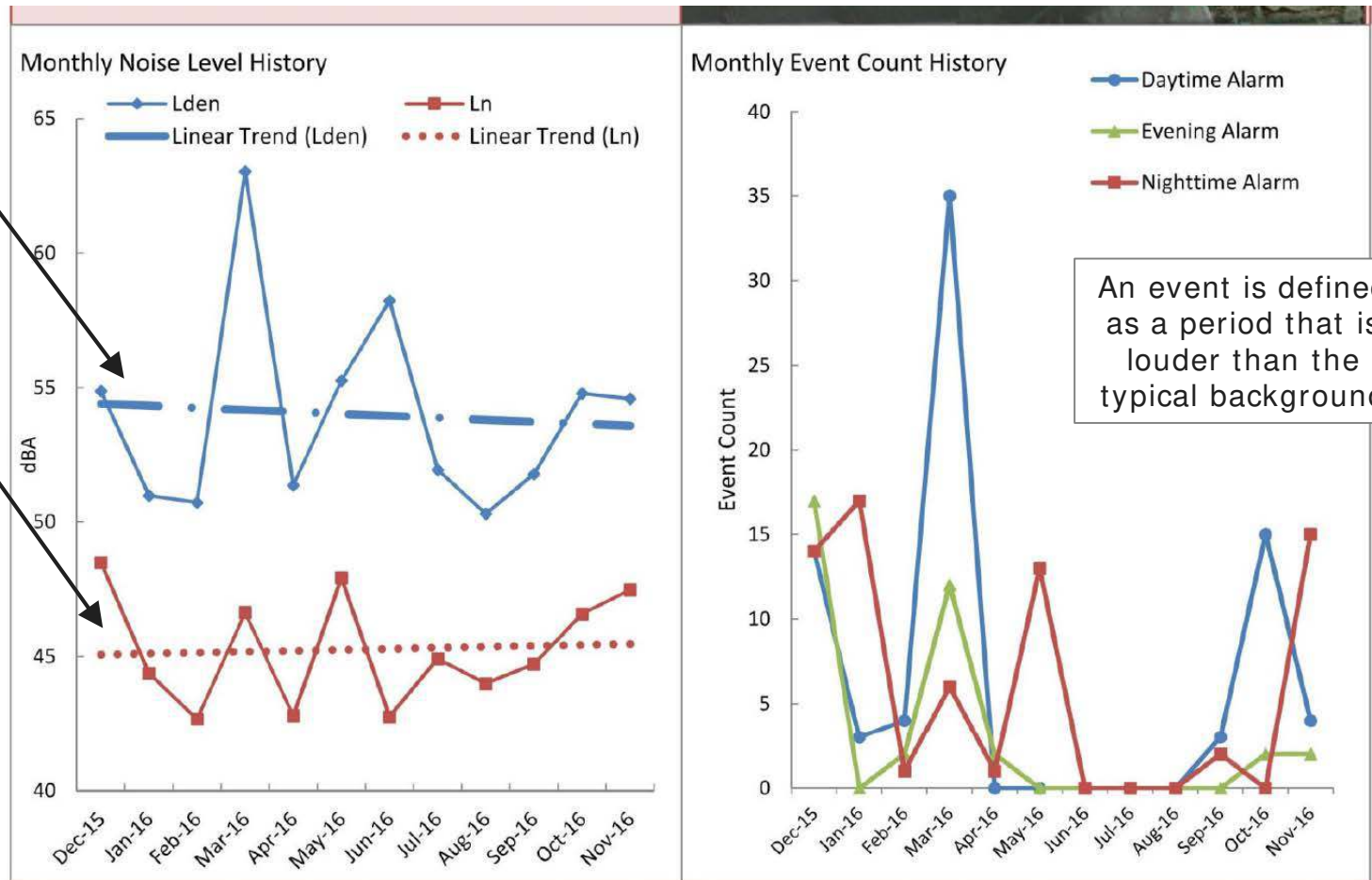
Description of each location, relationship to community, and general comments

Monitored data results and trends



REPORTING NOISE: REPORTED METRICS

NMT Location 10: RBD Gingell Park



24 hour day-evening-night adjusted level

Nighttime level (10 pm to 7 am)

An event is defined as a period that is louder than the typical background

NEXT STEPS

- Prepare 2017 noise report
 - Planned to release March-April of 2018
 - Continue comparison with 2015 – 2016 results, and
 - Provide update to liaison committees
- Obtain feedback on our approach to
 - Sustainability reporting, and
 - Noise reporting



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Discussion Questions