



Restoring Socioecological Integrity in Mannion Bay, Bowen Island

July 4, 2018

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History



- First Nations historical use
- Once a thriving recreational area



History



Mannion Bay, Summer 1994

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History



A Familiar Cycle

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History



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History



A Familiar Cycle



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History



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History

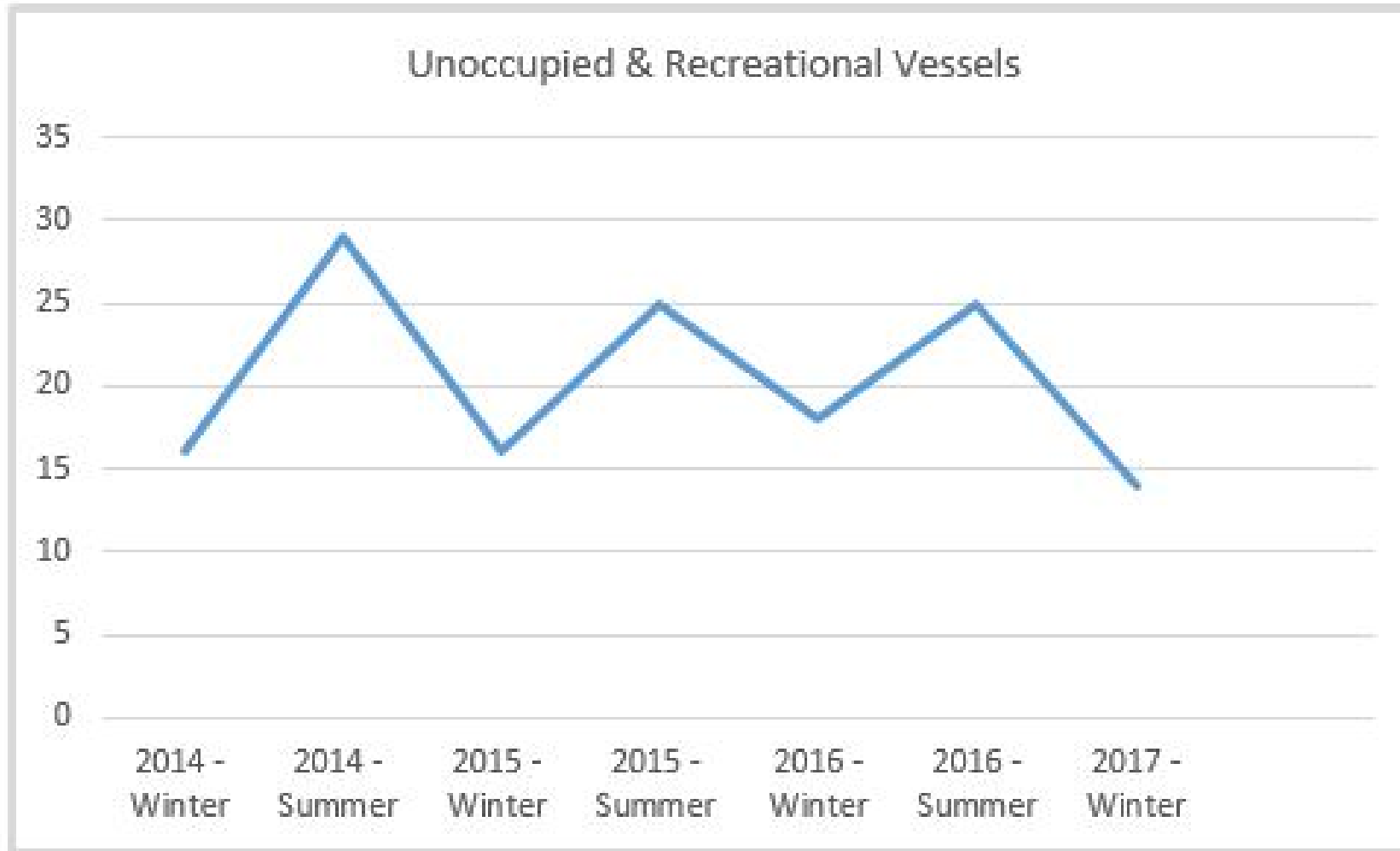


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History

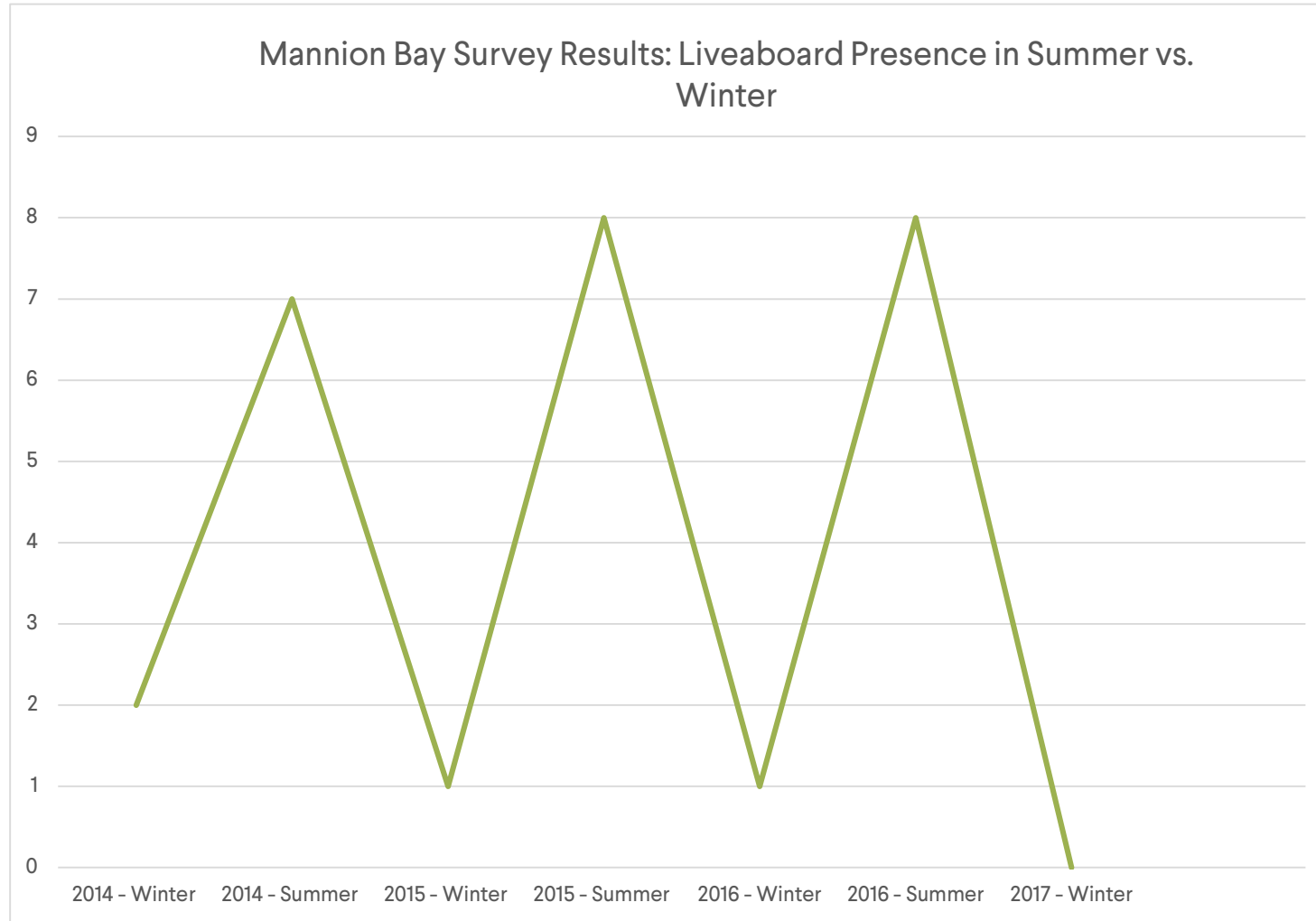


Data Collection



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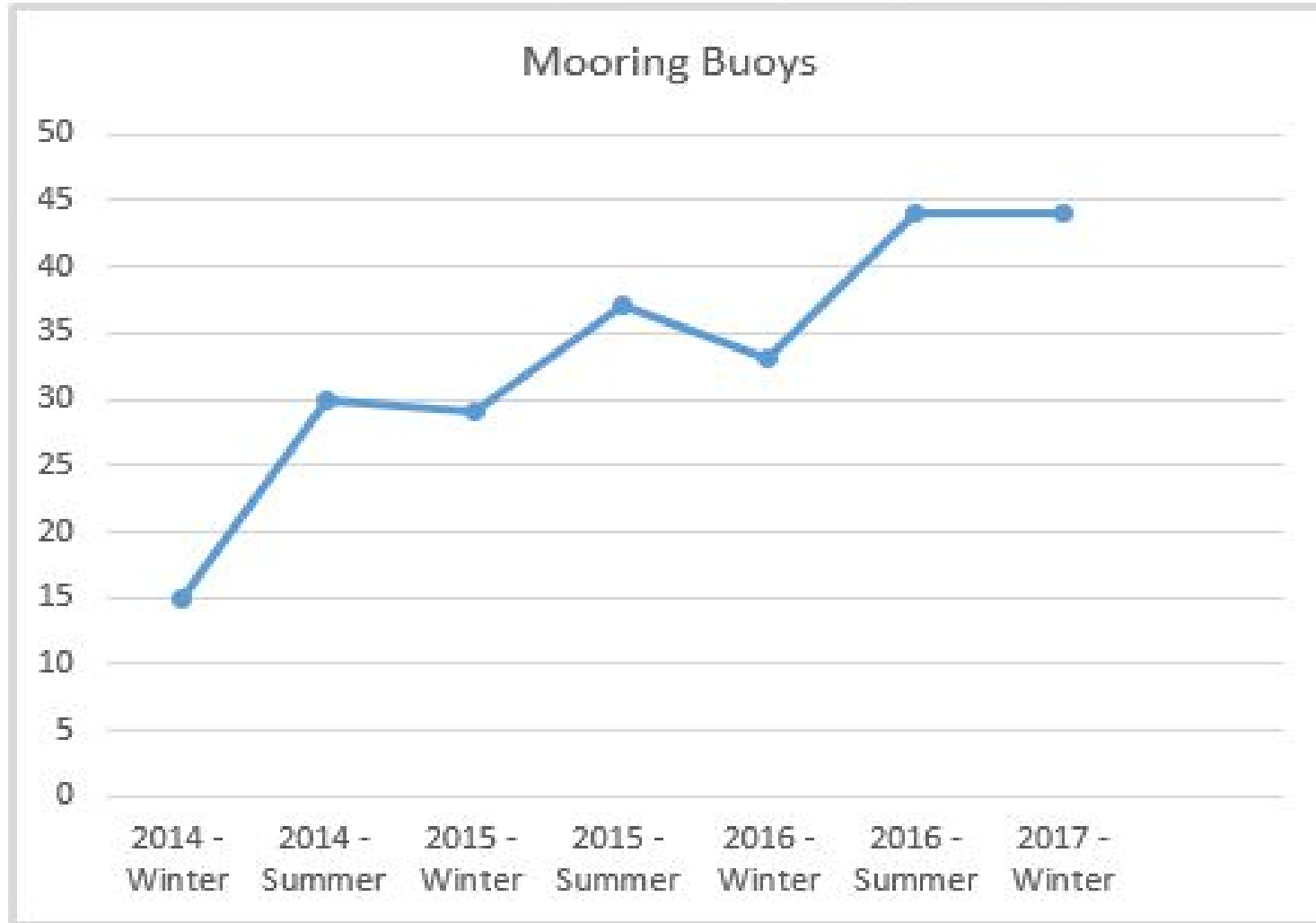
Data Collection



Data Collection



Data Collection



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Action and Improvements



EELGRASS A Vital Marine Nursery



- Take care of the nursery
- Keep anchors out of the eelgrass
 - Keep pollutants out of the water
 - Anchor docks away from eelgrass



Action and Improvements



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Action and Improvements



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Restoration Costs

From 2013 to 2017 (inclusive)

- \$80,000 – BIM
- \$30,000 – Transport Canada
- RCMP, Province of BC, Coast Guard – staff resources and other incurred costs
- Social and environmental costs (not quantified)

Restorative Steps

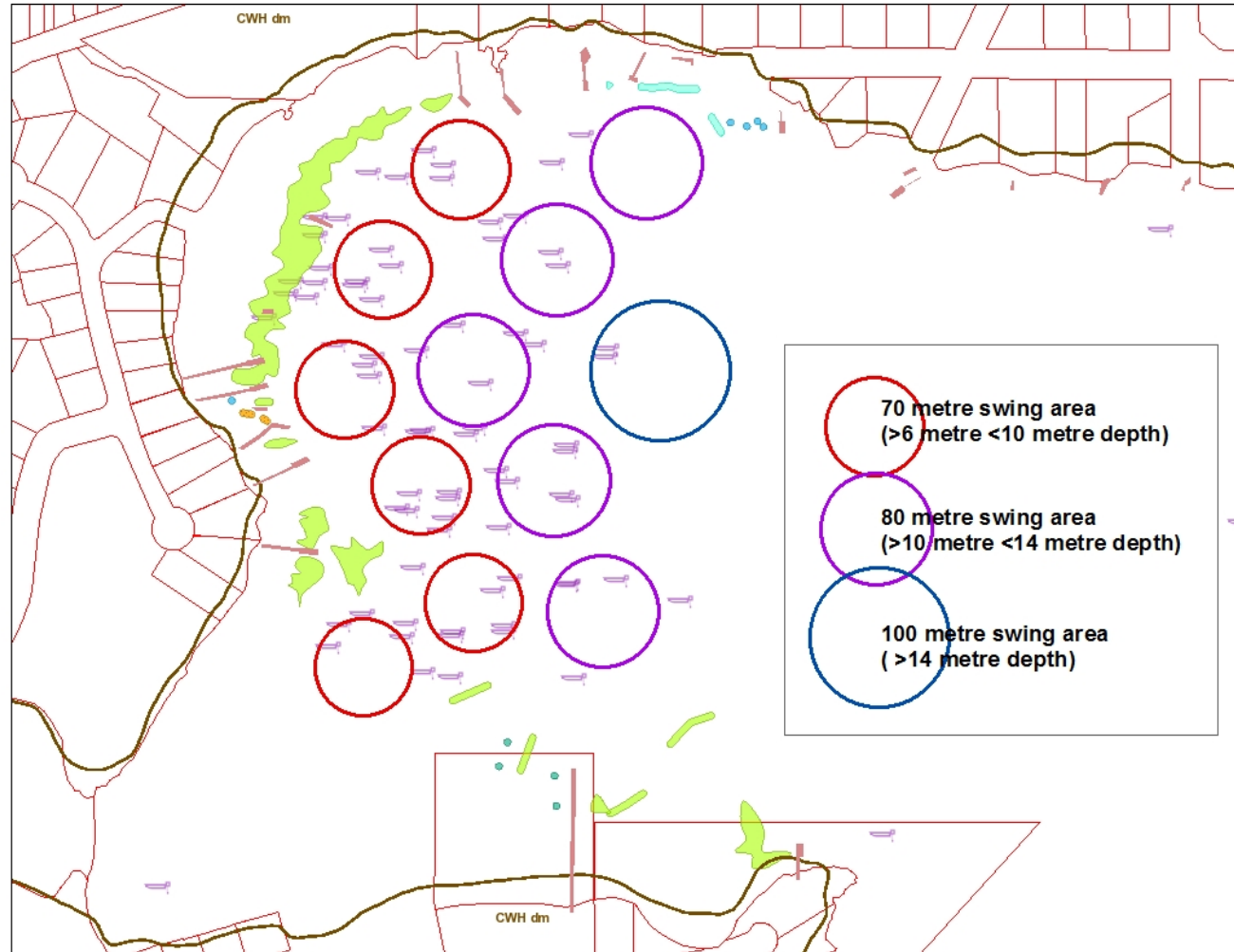
Provincial Tenure

- Licence of Occupation obtained in late 2016
- As of January 2018, all mooring buoys in Mannion Bay are subject to a nominal annual fee (e.g. \$240/year)
- Owners of unoccupied and recreational vessels mooring in the Bay for greater than 48 hours in a 30 day period are required to provide Bowen Island Municipality (BIM) with proof of insurance, name, phone number, address and email address to BIM.

Restorative Steps

- Adoption of Bowen Island Municipality (BIM) Use of Beaches and Water Areas Bylaw 418, 2016
- Stakeholder meeting April 2017
- BIM communication materials developed

Restorative Steps



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Current Activities



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Current Activities

Enforcement strategy related to Bowen Island Municipality Use of Beaches and Water Areas Bylaw 418, 2016 has been developed and is currently being implemented

Licence of Occupation provisions that include obtaining proof of vessel insurance and contact information from each boat owner are being “enforced”

A fees and charges bylaw that includes a fee of \$240 per year for each mooring buoy in Mannion Bay was recently adopted by Council and implementation is underway

Amendments to Bowen Island Municipality Land Use Bylaw No. 57, 2002 to limit the use of mooring buoys in Mannion Bay are being considered

Sandy Beach

2015



2017



Thanks for Listening



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