

# Guardian Pilot Program

## *Belcarra Regional Park*



Tsleil-Waututh Nation  
PEOPLE OF THE INLET



**metrovancouver**  
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

**Lindsey Ogston, M.Sc**  
Environmental Programs Manager, Tsleil-Waututh Nation

**Lauren Farmer, M.Sc**  
Parks Planning Specialist, Tsleil-Waututh Nation  
Regional Parks Committee

# Presentation Overview

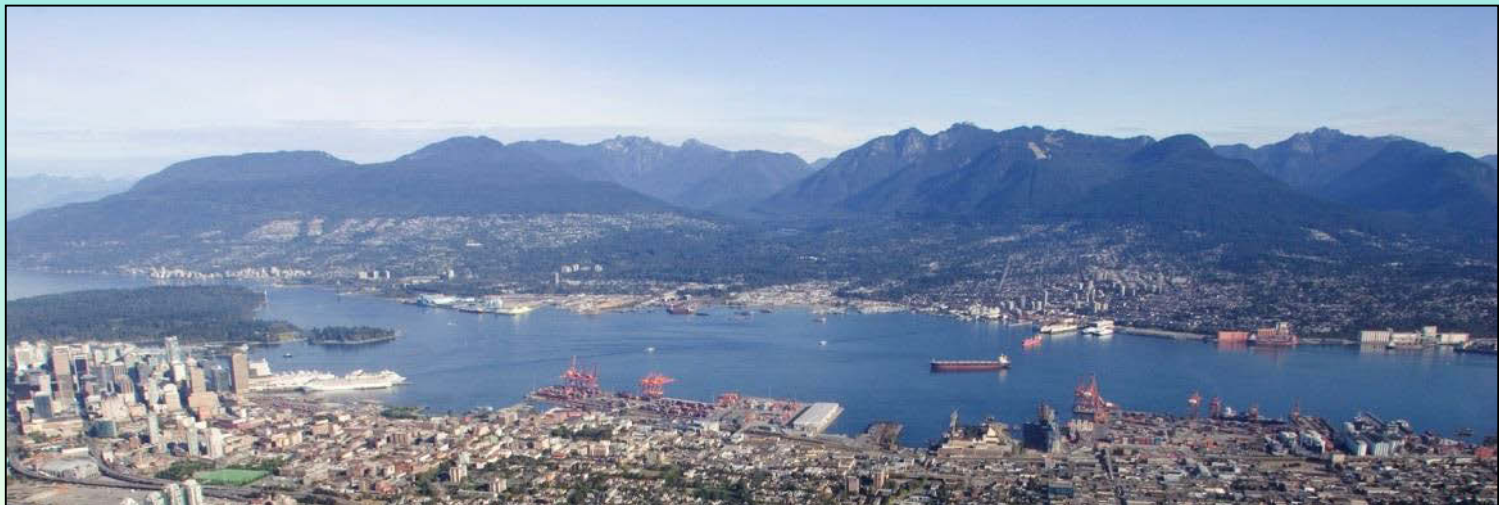
---

- 1. Tsleil-Waututh Vision and Goals**
- 2. Current State of Burrard Inlet**
- 3. Guardian Pilot Program Overview**
- 4. Next Steps**

# Current state of Burrard Inlet

---

- Burrard Inlet closed to bivalve harvesting since 1972
- Herring extirpated in 1885
- General decline in habitat type, function, connectivity and species populations
- Point and non-point sources of pollution
- Lack of coordinated monitoring or environmental stewardship oversight
- General lack of information and regular data collection



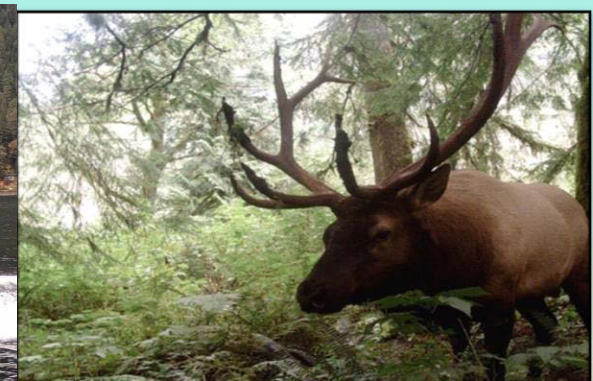
# Tsleil-Waututh Vision and Goals

---

A productive, diverse and resilient ecosystem where:

- ✓ Healthy, wild marine foods can be harvested
- ✓ Water and sediment is safe and clean
- ✓ Important habitats are plentiful, productive, and connected
- ✓ Biodiversity and key species can persist

**Recovery goal:** 10% of protein from marine species in Burrard Inlet

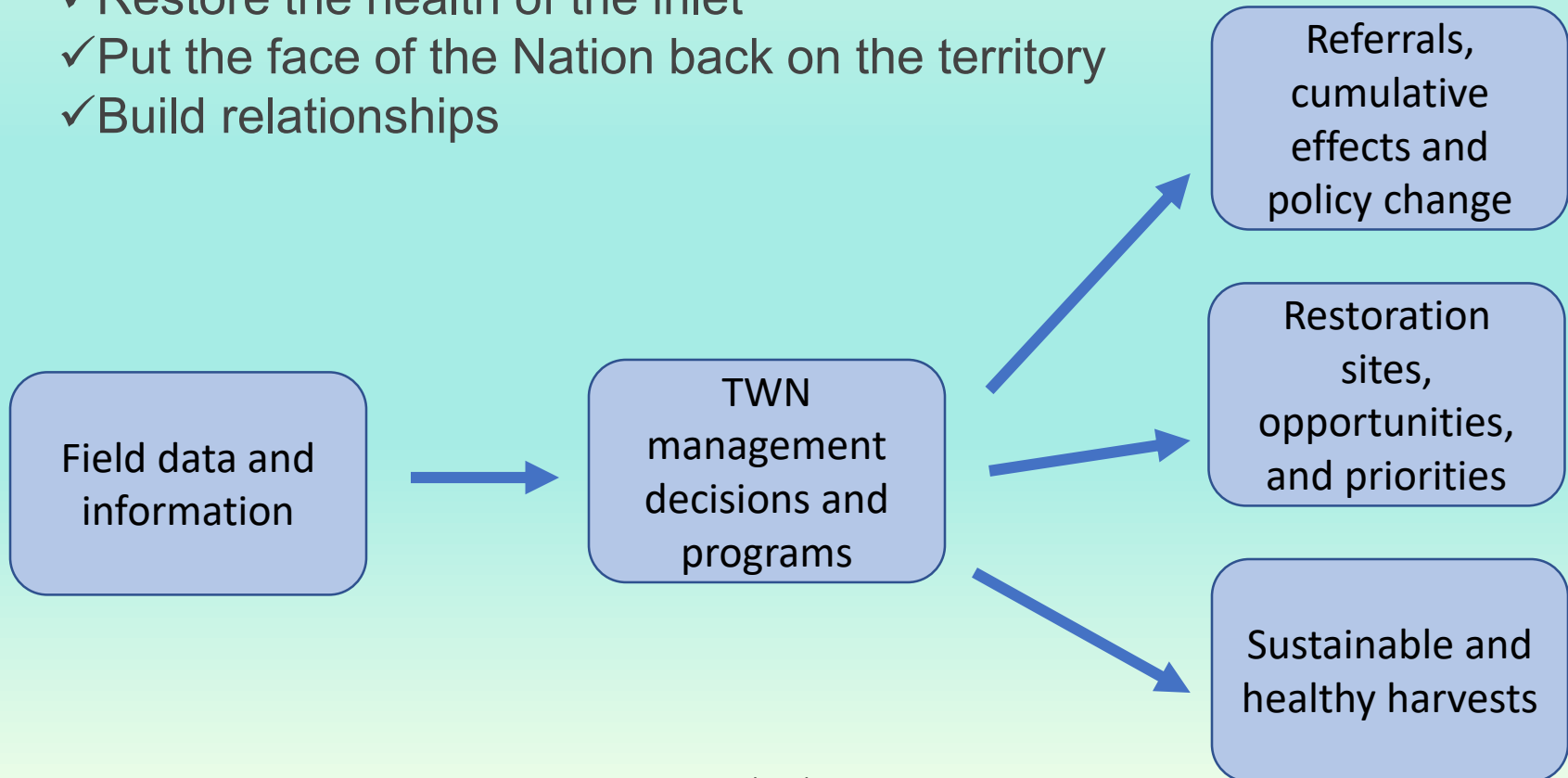


# Importance of TWN field work

---

Boots on the ground to fulfill mandates:

- ✓ Restore the health of the inlet
- ✓ Put the face of the Nation back on the territory
- ✓ Build relationships



# Belcarra: Tum-tumay-whueton

---



Tsleil-Waututh Nation  
PEOPLE OF THE INLET



**metrovancouver**  
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

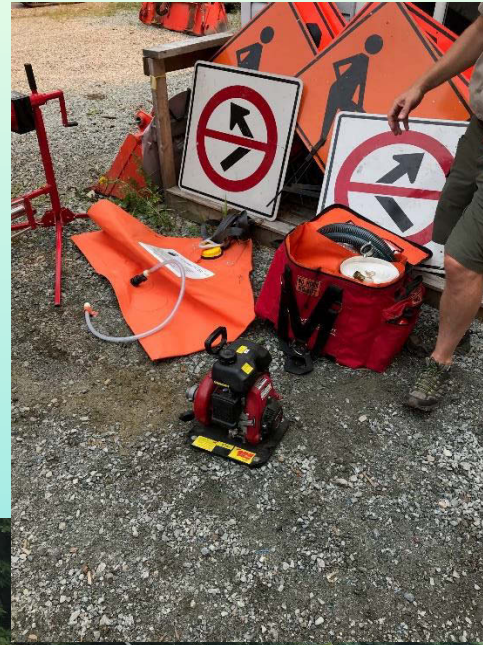
Belcarra Regional Park  
Cultural Planning and Co-operation Agreement

# Guardian Pilot Program

---

- Early 2021: Metro Vancouver approaches TWN
- TWN proposal approved
- **TWN identified priorities**
  - Archaeology
  - Culture
  - Public Education
  - Park Access
  - Environmental Stewardship
  - **Build relationships**
- Alternating Training
- Co-Patrols: 10 Fridays from June 25<sup>th</sup> to September 3<sup>rd</sup>

# Guardians In Action





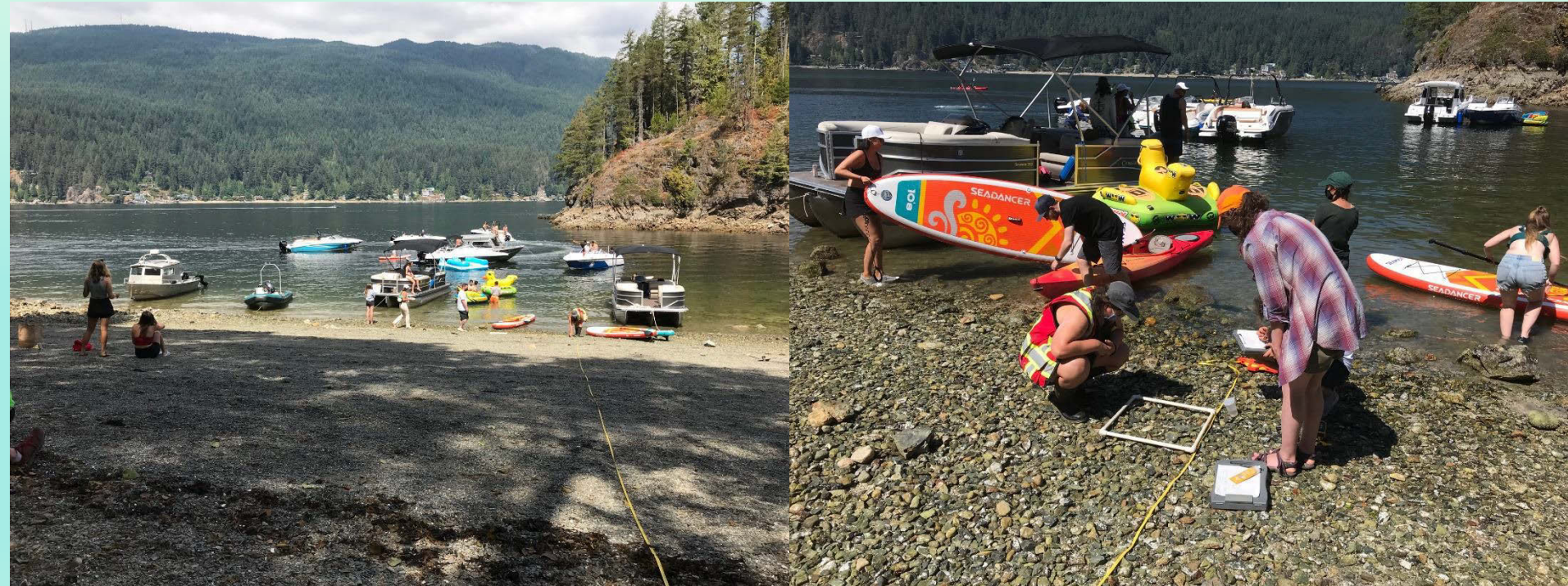
# Beach seining and clam surveys

---



# Enforcement

---



# Next Steps

---

- Identify successes, challenges, and opportunities
- Expand the Program
- Collaborate with Musqueam and Squamish





Hay ce:p q'a

Thanking all of you



Regional Parks Committee



Concession/Washroom, Boundary Bay Regional Park

# Regional Parks Building Strategy Update

Jeff Fitzpatrick

Division Manager, Regional Parks, Design & Development

Regional Parks Committee | September 8, 2021

46846946

Regional Parks Committee

**metro**vancouver

# ASSET MANAGEMENT

- Asset Management Policy (2019)
- State of the Assets Report (2021)
- **Building Strategy**
- Asset Management Plan (*forthcoming*)



Pacific Spirit Regional Park

# BUILTS ASSETS



## Barriers

Quantity: **65 km** fencing  
**1597** gates + bollards  
Average Condition: **GOOD**



## Bridges & Boardwalks

Quantity: **623**  
Average Condition: **GOOD**



## Buildings

Quantity: **33,5**  
Average Condition: **FAIR**



## Trails

Quantity: **290 km**  
Average Condition: **GOOD**



## Land Protection

Quantity: **64 km** linear assets  
**1,415** features  
Average Condition: **GOOD**



## Park Fixtures

Quantity: **1514**  
Average Condition: **GOOD**



## Recreational Facilities

Quantity: **13**  
Average Condition: **FAIR**



## Utilities

Quantity: **93 km** utility lines  
**2430** utility point feature  
Average Condition: **FAIR**



## Roads & Parking Lots

Quantity: **43 km** roads  
**3783** parking stalls  
Average Condition: **FAIR**



## Signs

Quantity: **65** entry signs  
**77** information kiosks  
Average Condition: **GOOD**

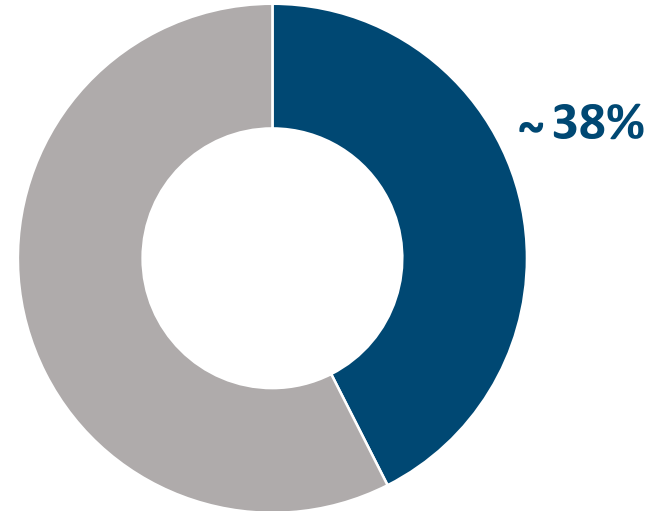


## Structures

Quantity: **99**  
Average Condition: **GOOD**

# BUILT ASSETS

CATEGORY	CONDITIO N	REPLACEMENT VALUE
Barriers	Good	\$7 million
Bridges and Boardwalks	Good	\$33 million
<b>Buildings</b>	<b>Fair</b>	<b>\$114 million</b>
Land Protection	Good	\$32 million
Park Fixtures	Good	\$4 million
Recreational Facilities	Good	\$4 million
Roads and Parking Lots	Fair	\$46 million
Signs	Good	\$4 million
Structures	Good	\$4 million
Trails	Good	\$26 million
Utilities	Fair	\$20 million
<b>TOTAL</b>		<b>\$294 million</b>



Building assets make up approximately 38% of the value of built assets in regional parks





# BUILDING STRATEGY

- To guide decision making and investment maintenance, capital replacement and new construction
- Improve service delivery, identify surplus buildings, and establish a process for the assessment of buildings with historic value

Minnehada Lodge, Minnehada Regional Park



# DRAFT LEVELS OF SERVICE

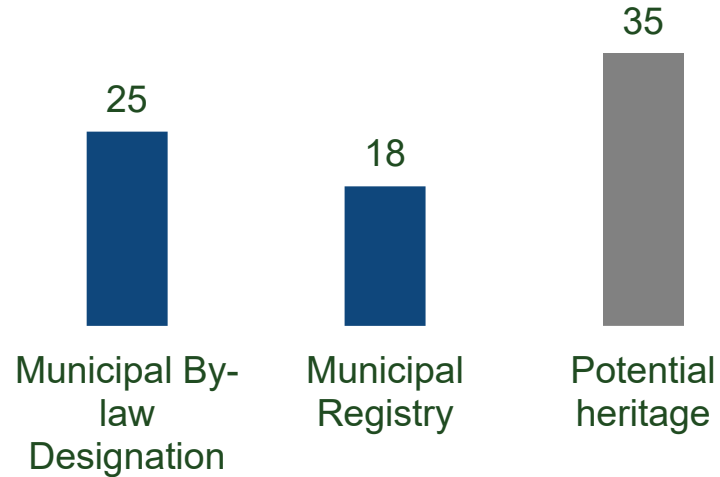
- Objectives for building availability and capacity, function and quality, sustainability, safety and compliance
- Guide building maintenance, replacement and new construction

Kanaka Creek Watershed Stewardship Centre

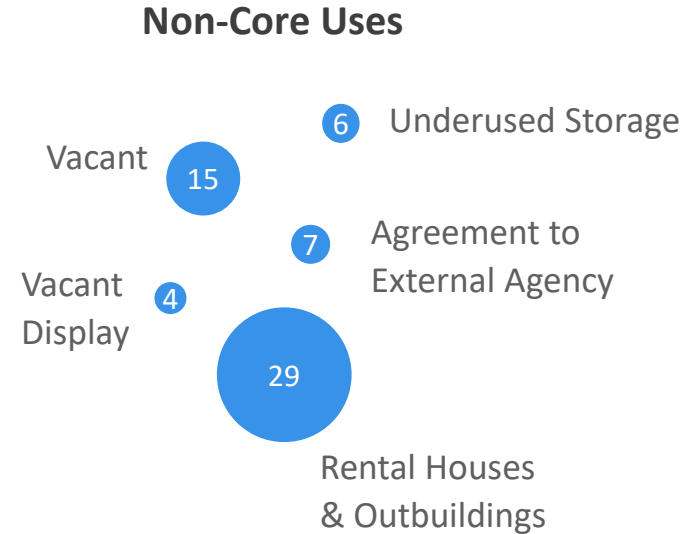
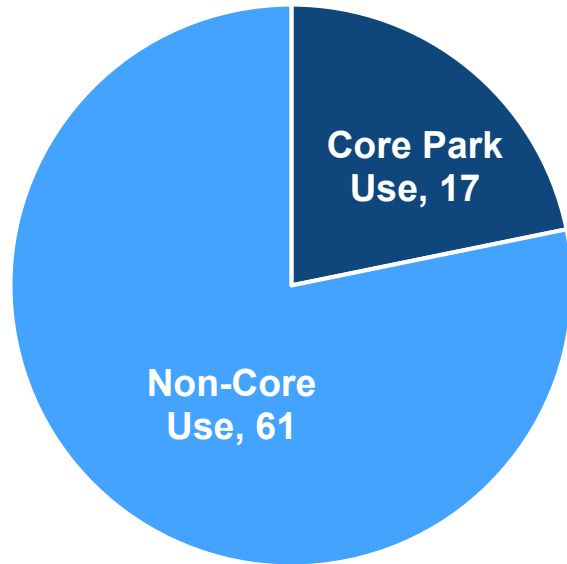
# HISTORIC BUILDING FRAMEWORK - CONTEXT

**78** historic / potentially historic buildings

**\$63 million** asset value



# HISTORIC BUILDING FRAMEWORK - USE





## BUDGET IMPLICATIONS

Building with historic potential or value represent 23% of total buildings portfolio, but 55% of project annual maintenance budget (*\$1.7 million of \$3 million*)

Inverholme Schoolhouse, Deas Island Regional Park



Burrville, Deas Island Regional Park

# HISTORIC BUILDINGS FRAMEWORK

- Framework will guide decision making for buildings with confirmed or potential historic value
- Historic buildings are assessed based on condition, potential park use, heritage value and protection status, partner/municipal engagement



# HISTORIC BUILDING STRATEGY OUTCOMES

1. Buildings maintained by Metro Vancouver
2. Partnership with external agency
3. Buildings maintained for display value
4. Buildings relocated / removed

Gerow Barn, Tynehead Regional Park



Washroom Building, Campbell Valley Regional Park

## NEXT STEPS

- Finalize Levels of Service and Historic Building Strategy
- Fall / winter final Regional Parks Building Strategy
- Implementation begins in 2022





B.C. Mills House & Pit Toilets, Lynn Headwaters Regional Park

Thank you

Regional Parks Committee

**metrovancouver**  
Together we make our region strong



# Lynn Headwaters Regional Park

## PROVINCIAL LEASE RENEWAL

Paul Brar, MPA

Division Manager, Regional Parks, West Area

Regional Parks Committee Meeting, September 8, 2021

Regional Parks Committee

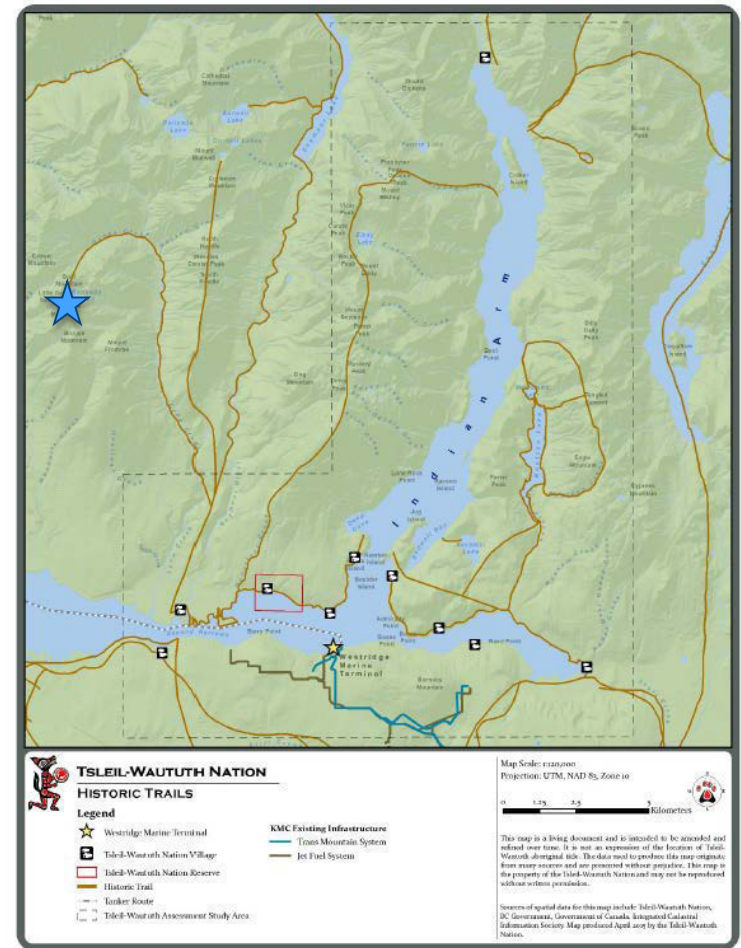
**metro**vancouver

# Metro Vancouver Regional Parks On the North Shore



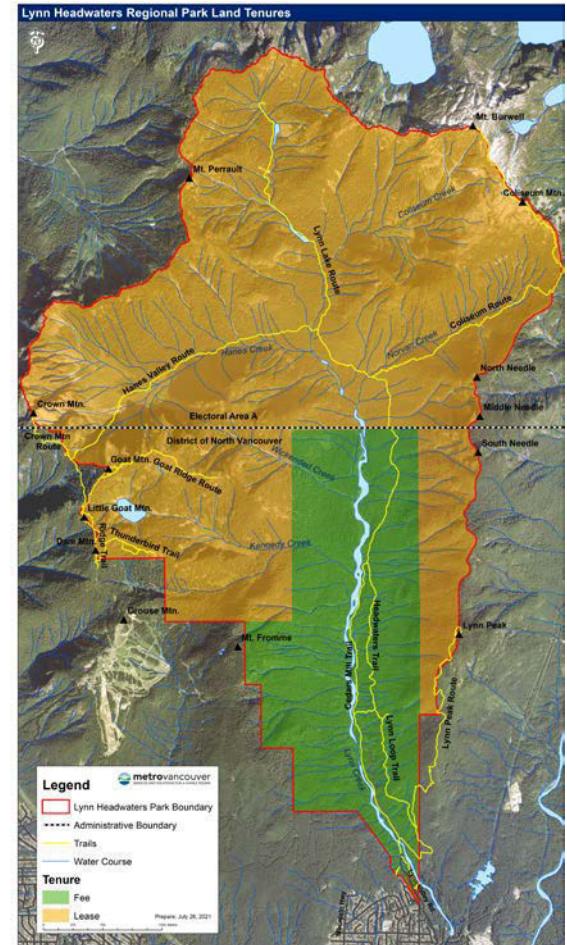
# TERRITORY ACKNOWLEDGEMENT

Metro Vancouver acknowledges that the Lynn Headwaters Regional Park Provincial lease lands are located within the territories of the **Musqueam**, **Squamish**, and **Tsleil-Waututh** Nations, as well as the **Seabird Island Band**, **Shxw'ow'hamel** First Nation, **Skawahlook** First Nation, **Soowahlie** First Nation, **Stó:lō** Nation, and **Stó:lō** Tribal Council.



# PROJECT BACKGROUND

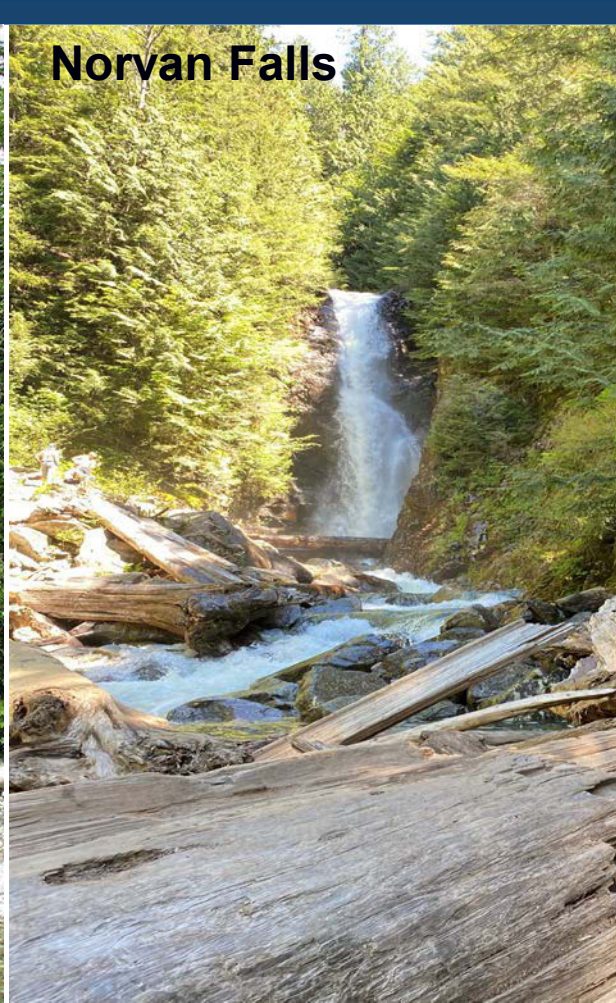
- The existing Provincial lease was established on June 28, 1992 and is set to expire on **June 28, 2022**
- As part of the lease renewal application a Management Plan is required by the Province, referred to as the **Lynn Headwaters Regional Park Backcountry Management Plan**



**Lynn Creek**



**Norvan Falls**



**Hanes Valley**



# Crown and Camel Mountains



# Goat Peak



# Coliseum Mountain



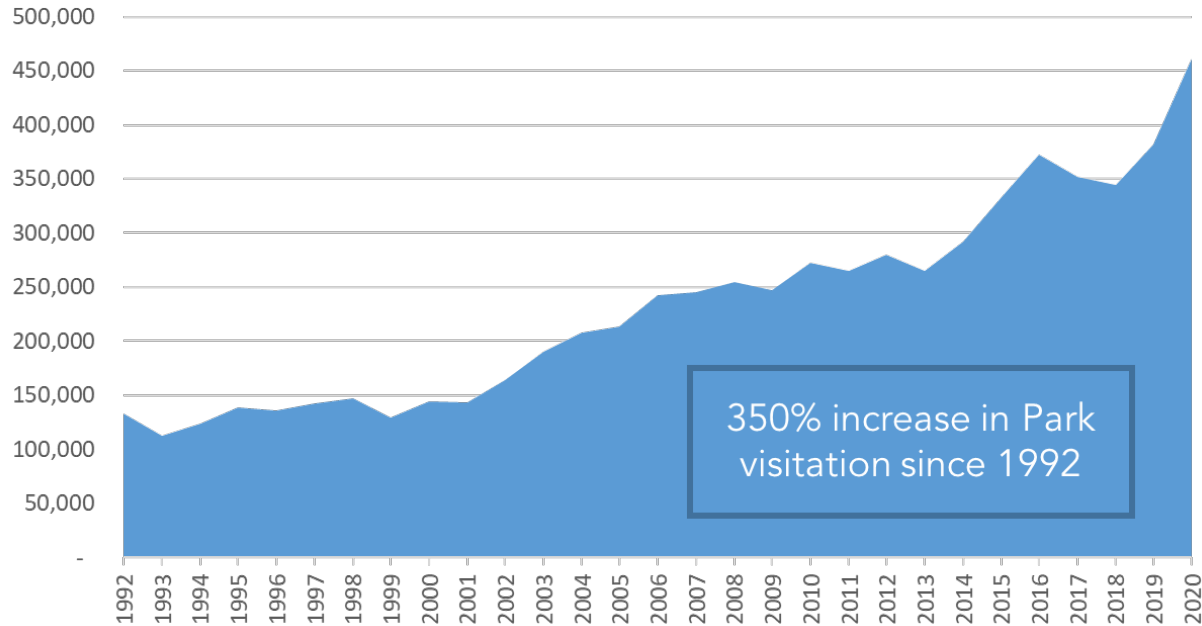
# The Needles





# VISITATION OVERVIEW

## LYNN HEADWATERS VISITATION




350% increase in Park visitation since 1992

# Lynn Headwaters Regional Park Sensitive Ecosystems Inventory

## Legend

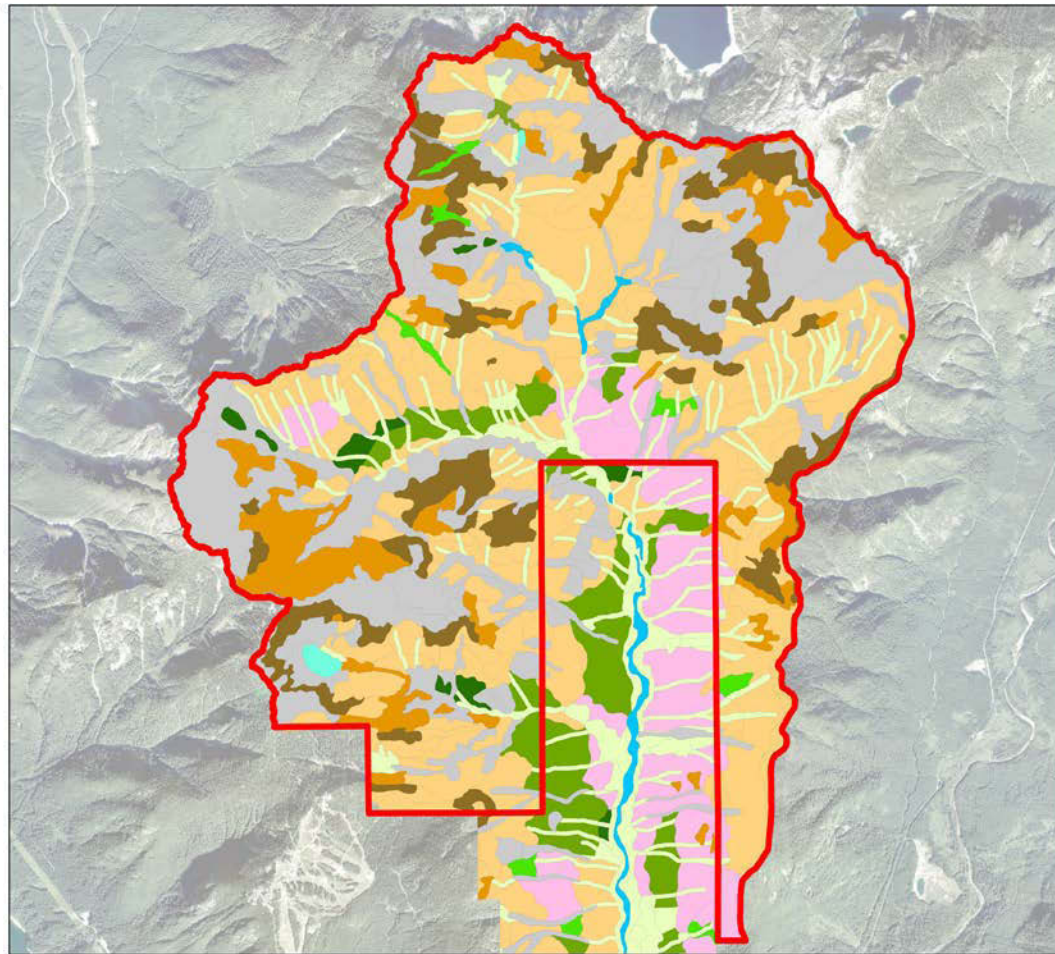
 Crown Lease Parcel

### SEI

-  Alpine
-  Freshwater
-  Mature Forest (ME)
-  Mature Forest (SE)
-  Non SE/ME
-  Old Forest
-  Riparian
-  River (Riparian subclass)
-  Sparsely Vegetated
-  Wetland
-  Woodland
-  Young Forest



0 0.5 1 2 Kilometers

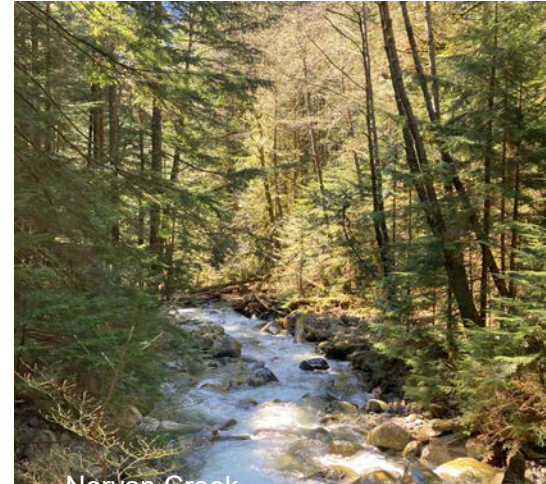


# VISION STATEMENTS

1. The backcountry provides **refuge for wildlife** and natural ecosystems as a large, intact, protected **wilderness**.
2. The backcountry is a vast, beautiful, and dynamic environment with opportunities for people to appreciate the scenery and enjoy the **restorative effects of being in nature**.
3. The backcountry enables visitors to access the **physical and mental health benefits** of completing challenging hikes in a wilderness environment.



Lynn Headwaters Regional Park



Nanvan Creek

# VISION STATEMENTS

4. The backcountry is **responsibly managed** in a way that balances environmental protection, recreational access, and public safety.
5. The backcountry is a place where **First Nations** culture and history is acknowledged and protected.



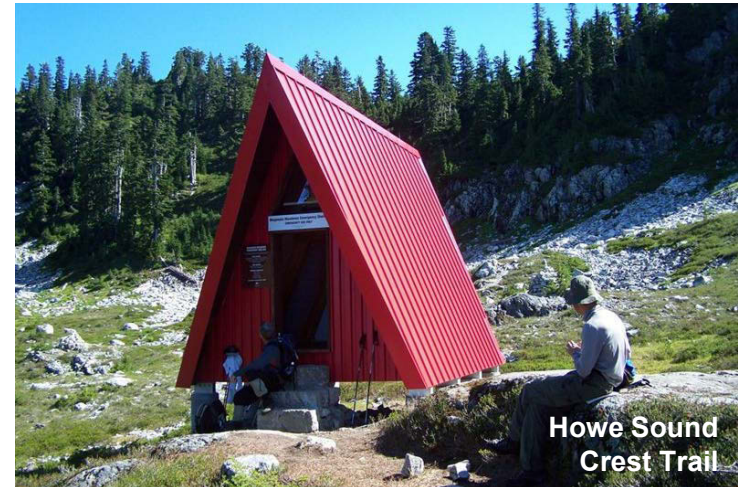
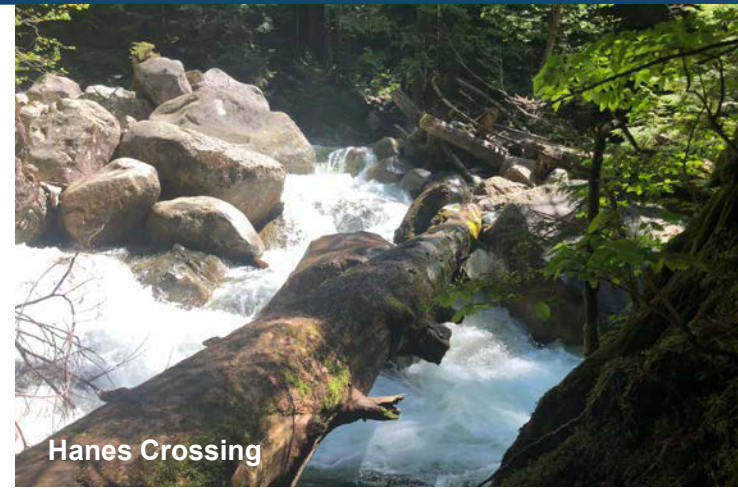
# IMPROVEMENTS TO EXISTING INFRASTRUCTURE

1. Trail and Route Improvements
2. Emergency Helicopter Landing Pads
3. Emergency Caches
4. Norvan Creek Suspension Bridge
5. Wooden Bridge on Headwaters Trail

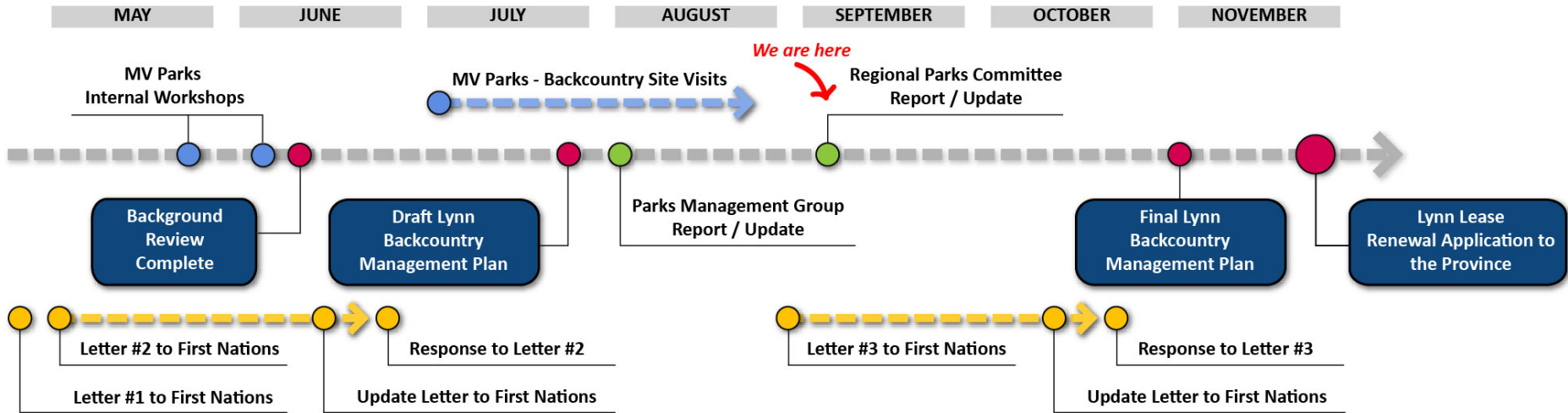


# POTENTIAL NEW INFRASTRUCTURE

1. Hanes Valley Crossing over Lynn Creek
2. Pit Toilet at Norvan Falls
3. Backcountry Emergency Huts
4. Tent Pads and Pit Toilets in the Backcountry



# PROJECT SCHEDULE





Lynn Headwaters Regional Park

Thank you!

Regional Parks Committee

**metrovancouver**  
Together we make our region strong