

**PRESENTATION TO THE
PARKS, RECREATION & WELLNESS COMMITTEE**

BY

RICHARD HARDING, DIRECTOR

2016-NOV-23

Harewood Covered Building Update



Parks & Recreation

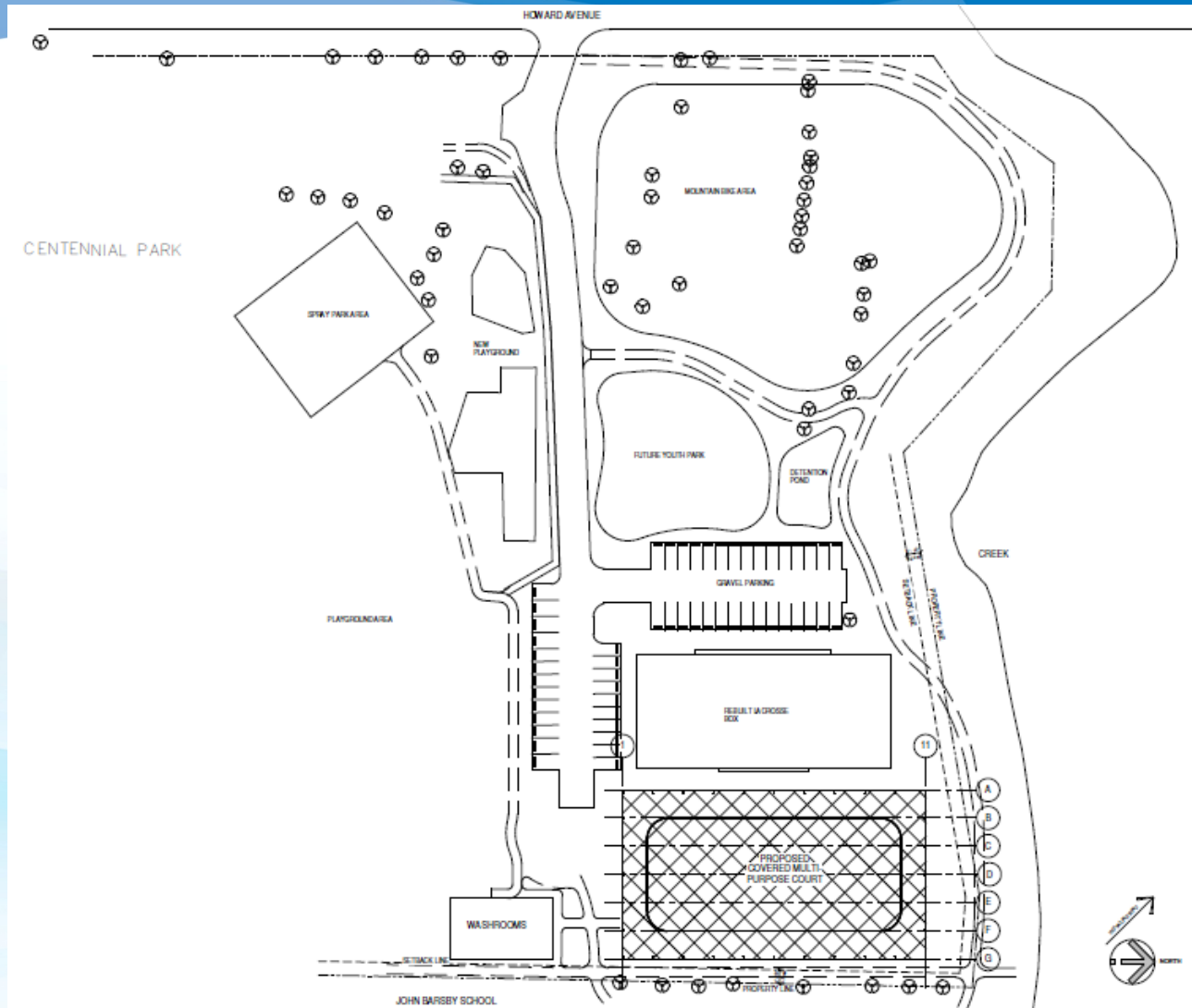
Harewood Covered Building Update



Parks & Recreation

Harewood Covered Building Update

Site Plan

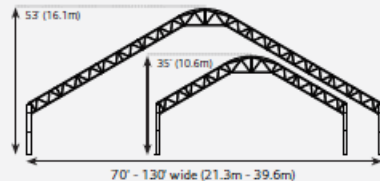


Parks & Recreation

Harewood Covered Building Update

NORSEMAN STRUCTURES IS UNRELENTING IN MEETING ENGINEERING CHALLENGES

Commercial Product Line | F-Series



MODEL	F700	F800	F900	F1000	F1100	F1200	F1300		TRUSS SPACING
Bldg Width	70' (21.3m)	80' (24.3m)	90' (27.4m)	100' (30.4m)	110' (33.5m)	120' (36.5m)	130' (39.6m)		Truss spacing is available in 6' - 20' (1.8m - 6m) widths in 1' (0.3m) increments and is determined using data specific to your site.
Peak Height*	35' (10.6m)	38' (11.5m)	41' (12.4m)	44' (13.4m)	47' (14.3m)	50' (15.2m)	53' (16.1m)		

*Approximate peak heights using standard 18" wide flange column

F-SERIES 70' - 130' WIDTHS (21.3m - 39.6m)

A premier large span building providing massive clear-span space.

The F-Series building line is designed for large scale operations needing massive indoor space. They are ideal for industrial and commercial applications with common uses including oil and gas operations, warehousing, vehicle maintenance, hangars and commodity storage.

It is important to know that all Norseman Structures Commercial buildings are designed using the same building codes as conventional, pre-engineered steel buildings. They are designed in accordance with structural requirements of the International Building Code and the National Building Code of Canada.

- Available with 14' or 18' (4.2m or 5.4m) high straight side walls.
- Side wall height can be further increased to accommodate any application.
- Straight side wall design allows for side overhead door openings; the ability to store product against the walls with maximum clearance and metal cladding.
- Requires less lead and construction time than conventional buildings.



1.855.385.2782 norsemanstructures.com

Commercial Product Line | F-Series

STEEL FRAMEWORK

Norseman Structures' F-Series building is manufactured using high strength galvanized steel that is hot-dipped in a bath of molten zinc. This galvanizing process creates a product that is highly resistant to corrosion and virtually maintenance free for years of worry free use. Main structural support trusses connect to wide flange columns, creating a continuous support system from the ground to the peak.

Building Width	Chord Size	Truss Wall Thickness	Chord Shape	Truss Depth	Web Size	Web Wall Thickness	Web Shape	Coating
70' - 130' (21.3m - 39.6m)	4" x 4" (101.6mm x 101.6mm)	0.188" (4.7mm)	□	44" (1117.6mm)	2.5" x 2.5" (63.5mm x 63.5mm)	0.125" (3.1mm)	□	Hot-Dipped Galv

Steel Specification - CSA G40.21

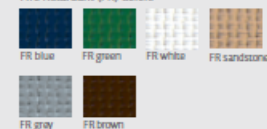
FABRIC COVERS

Our standard 12oz/yd², 23mil high performance cover fabric is manufactured specifically for your building and is available in a variety of colors. Fire retardant (FR) fabric is also available when required by your local building code. Choose from either a highly translucent cover material or blackout fabric when natural light is not required.

Standard Colors



Fire Retardant (FR) Colors



FOUNDATIONS

Foundation options are varied and may include, but are not limited to:

- Concrete piles
- Concrete spread footings
- Poured in place concrete walls
- Precast concrete walls
- Precast concrete blocks
- Screw piles

ACCESSORIES

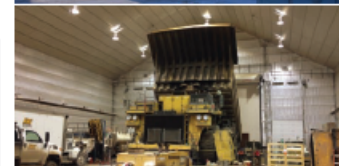
- Heating
- Liners
- Insulation
- Flooring
- Passive ventilation
- Ridge vents
- Electrical
- Reflective insulation
- Air exchange units
- Electric louvers or fans
- Personnel doors
- Fire exit doors
- Emergency lighting
- Metal clad end walls
- Gas detection systems
- Snow break systems
- Overhead doors
- Door canopies

WHY NORSEMAN STRUCTURES

In addition to manufacturing buildings, Norseman Structures provides project management, technical representative services and complete building installations. Our team of experts will work closely with you to design a building solution that will work for you and your business.

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Purposes of the MPCC include:

- Sport and recreation interests
- Shoulder season training – baseball, lacrosse, soccer
- Incremental weather training during regular season – field lacrosse, soccer
- Community groups – leisure events, festivals, shows, markets
- Potential business (corporate) enterprises
- Backup refuge for major events/tournaments at Sherry Field/Harewood Centennial Park in the event of inclement weather

Harewood Covered Building Update

Facility Description:

- Building dimensions - 114' x 204' with a metal roof
- 23,256 total sq. ft
- 30'-35' ceiling height above court
- 180' x 80' floor with boards
- Lighting
- Community group storage spaces

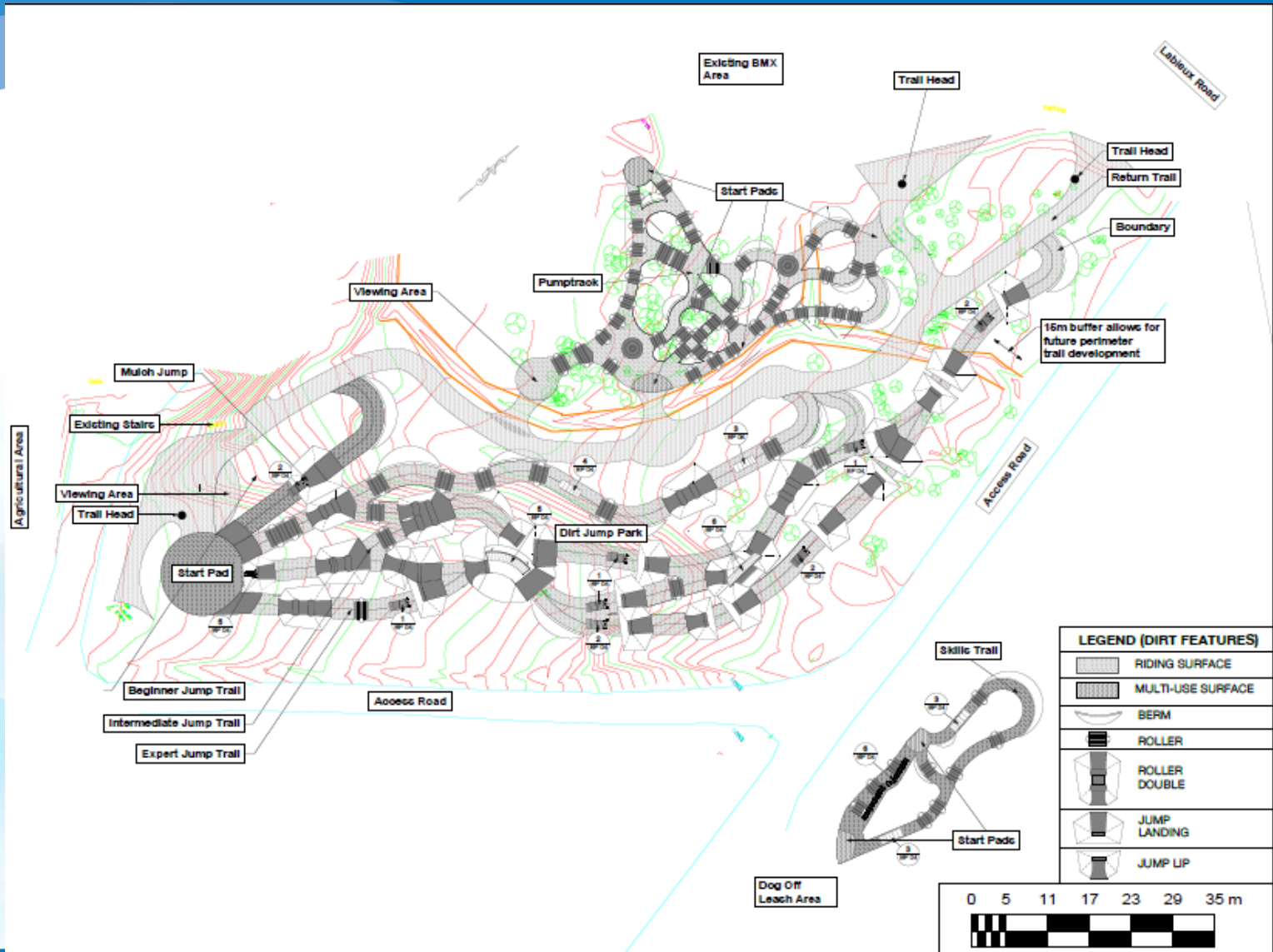
This project is in 2017-2021 Provisional Financial Plan for \$2.6 M (includes renewal of the existing outdoor lacrosse box).

Stevie Smith Community Bike Park at Beban Park



Parks & Recreation

Stevie Smith Community Bike Park at Beban



Central Beban Park Proposed Improvements

MAP 7 - Central Facility Development Opportunity Area Concept Plan



City of Nanaimo

Legend

- Central Facility Development Opportunity Area Boundary
 - Washroom
 - Flexible Space and Storm water Management
 - Trees - Existing and Proposed
 - Shrubs - Proposed
- | | |
|--|---------------------------|
| ① Multi-modal Beban Parkway Extension with Traffic calming | ⑦ Multipurpose Building |
| ② Grand Avenue | ⑩ Gardens |
| ③ The Atrium | ⑪ Greenhouses |
| ④ Improved Agriplex | ⑫ Multipurpose Building |
| ⑤ Multipurpose Building | ⑬ Multipurpose Space |
| ⑥ Multipurpose Building | ⑭ Gardens and Green Space |
| ⑧ Multipurpose Building | ⑮ Grand Stage |
| ⑨ Red Barn | |

New Flexible Building Space Framework



Master Plan Concept 43

Central Beban Park Proposed Improvements



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Harewood Skate Park Update

LOCATION PLAN



NTS

SKATEPARK LOCATION



Located at Harewood Centennial Park, across from John Barsby School off Harewood Ave.

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Harewood Skate Park Update

PERSPECTIVE VIEW

Note: perspective drawing not for construction reference.
Alterations have been made to model during detailed design phase.
Image shown to display broader design concept only.



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Introduction to Hometown Hockey



Parks & Recreation

Introduction to Hometown Hockey

Rogers Hometown Hockey Added Events

- Pro-D Day Hockey Themed Programming at Arenas, Recreation Centres, and Pools (Monday & Tuesday)
- “Face Off” Event at Nanaimo Museum (Wednesday)
- Welcoming Ceremony & Traditional Feast with Snuneymuxw First Nation & VIU (Wednesday)
- Open Skate with the Nanaimo Buccaneers (Wednesday)
- Nanaimo Buccaneers Home Game (Thursday)
- NDSS Theatre Performance at the Port Theatre (Thursday & Friday)
- Rogers Hometown Hockey School Visit at John Barsby School (Friday)
- Nanaimo Clippers Tailgate Celebration & Home Game (Friday)
- *Saturday Events yet to be confirmed.*
- Fireworks Display following the Broadcast (Sunday)
- Tom Cochrane Performance at The Port Theatre (Monday)

Colliery Dam Improvement Plan



Colliery Dam Improvement Plan

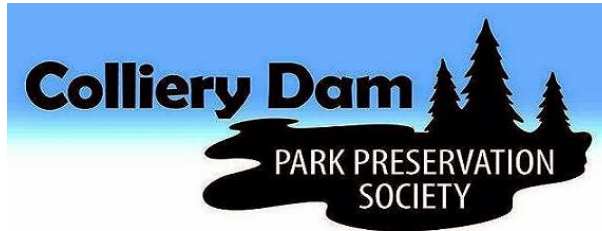
Background



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Colliery Dam Improvement Plan

Public Process



HNA
Harewood
Neighbourhood
Association



Parks & Recreation

Colliery Dam Improvement Plan

Snuneymuxw' First Nations



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Colliery Dam Improvement Plan

Restoration Planting for the Spillway Site



Spillway Replanting Plan
* This plan was shared for public input in spring 2016.



Colliery Dam Improvement Plan Community Workshop



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Colliery Dam Improvement Plan

Improvement Action Plan



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Colliery Dam Improvement Plan

Improvement Action Plan



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Colliery Dam Improvement Plan

Schedule B – Detailed Improvement List

2016 - \$31,250 Operating

2017 - \$196,000 Capital and Operating

2018 - \$19,000 Operating

2020 - \$45,000 Capital

Colliery Dam Improvement Plan

Council Motion

At their meeting held on 2016-JUL-11, Council unanimously passed the following motion:

It was moved and seconded that Council (in accordance with Option 1):

- 1. approve the Colliery Dam Park Improvement Action Plan; and,**
- 2. direct Staff to develop budgets for consideration in future years.**

Maffeo Sutton Park Plan Update



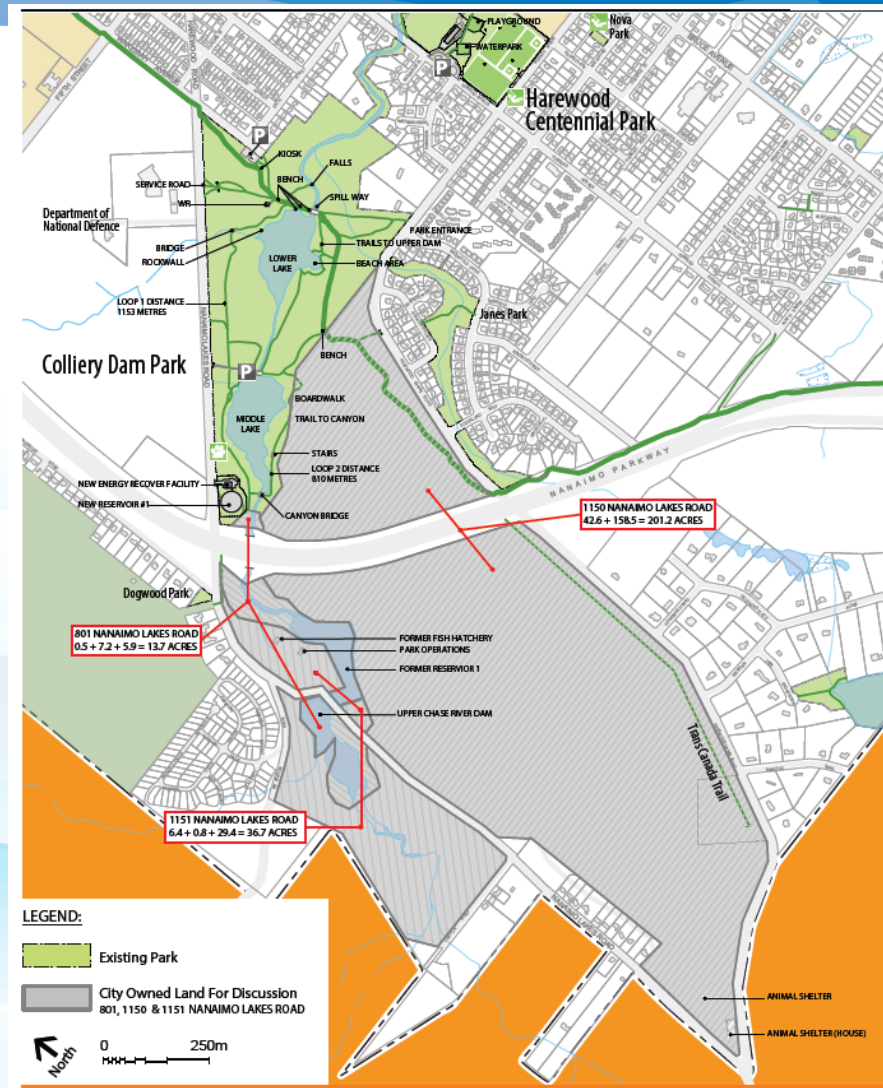
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Greater Nanaimo Water District Plan Update



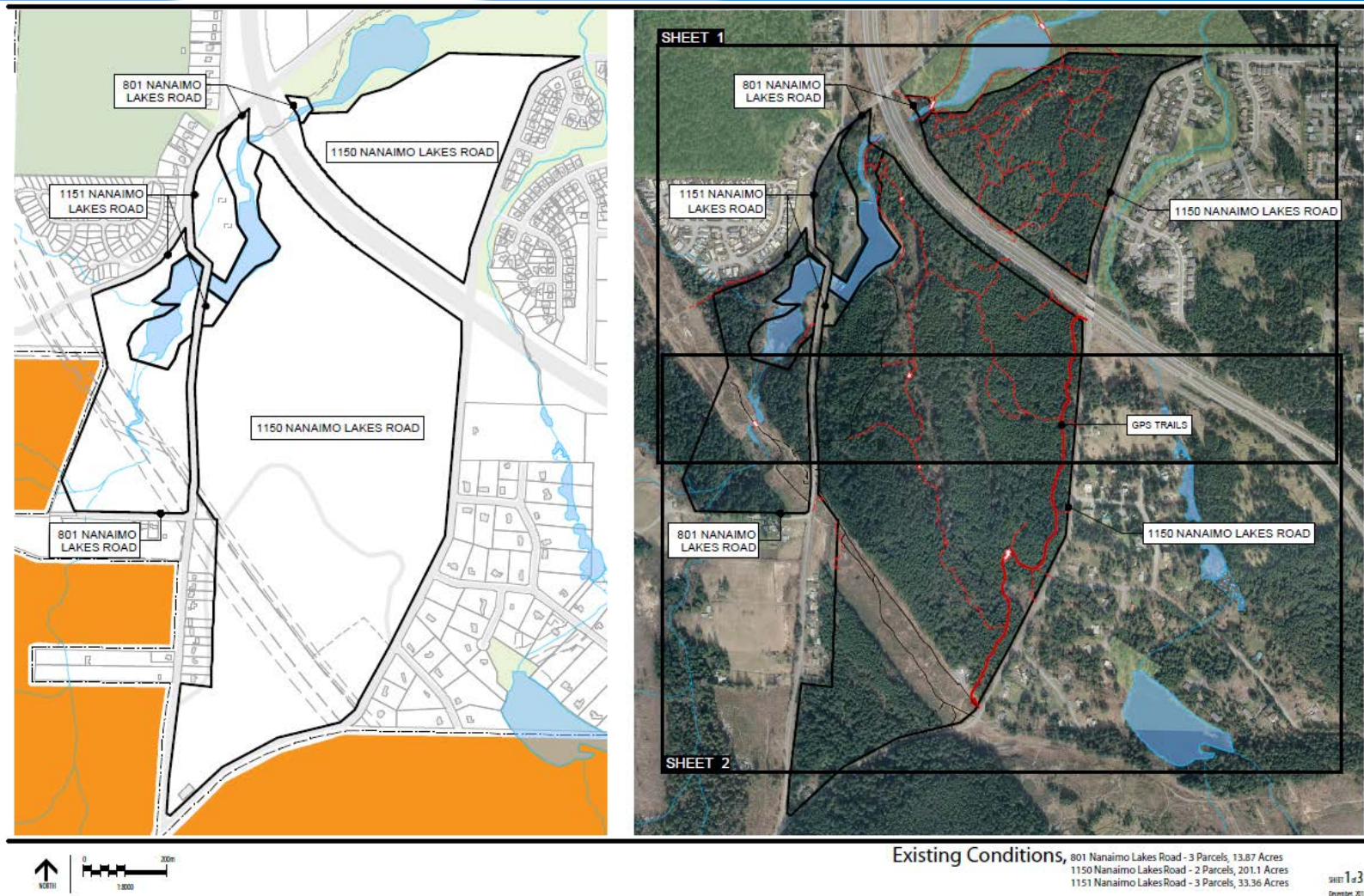
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Greater Nanaimo Water District Plan Update



Parks & Recreation

Greater Nanaimo Water District Plan Update



Greater Nanaimo Water District Plan Update

Background

Council approved initial Planning Process July 2012:

Stage 1: Review Existing Conditions.

**Stage 2: Assess Priorities for Recreational Opportunities.
Obtain public and stakeholder input.**

Stage 3: Plan Preparation.

Greater Nanaimo Water District Plan Update

Archaeological Overview Assessment



Archaeological Overview Assessment for Proposed Park Land at 1150 and 1151 Nanaimo Lakes Road, Nanaimo, BC

for:

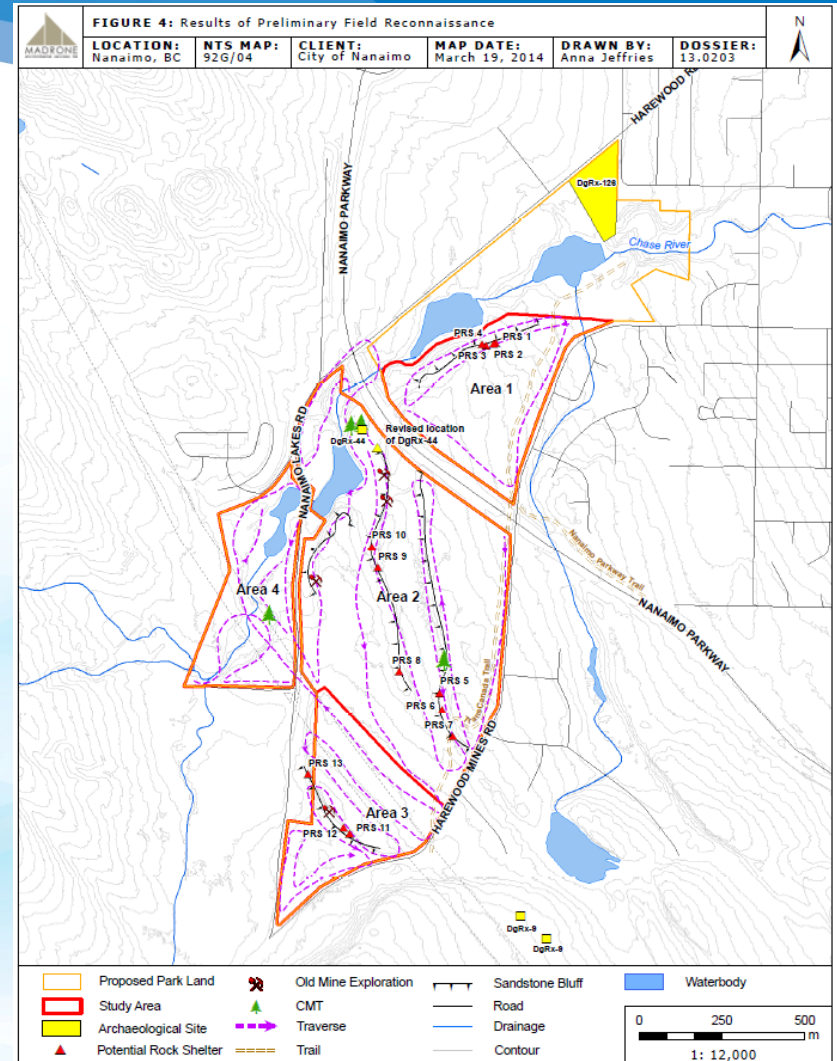
City of Nanaimo
c/o Kirsty MacDonald
Parks and Open Space Planner
455 Wallace Street
Nanaimo, BC, V9R 5J6

by:

Madrone Environmental Services Ltd.
1081 Canada Avenue, Duncan, BC, V9L 1V2

March 26, 2014

Dossier 13.0203



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Greater Nanaimo Water District Plan Update

Archaeological Significance

Potential Rock Shelters



Greater Nanaimo Water District Plan Update

Archaeological Significance

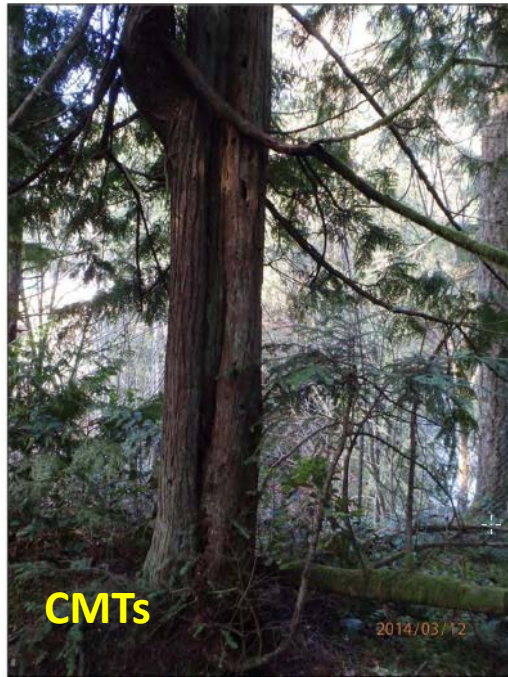


Plate 30. CMT facing trail on the terrace above Chase River.



old well? Harewood Mines Road visible through trees



Former Bathing Pool



Plate 24. Looking southwest at possible old rail bed from PRS 9, stream crossing.



Recent History

Plate 37. Area of coal exploration between PRS 12 and 13.

Greater Nanaimo Water District Plan Update

Biophysical Site Assessment



GREATER NANAIMO WATER DISTRICT LANDS (GNWD) BIOPHYSICAL ASSESSMENT – PHASE II

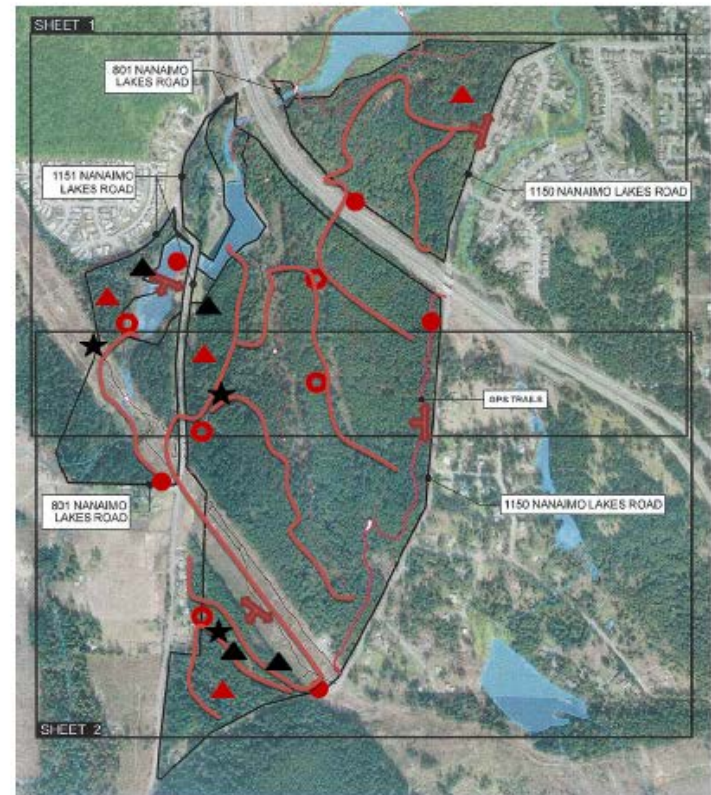


Prepared for:
Kirsty MacDonald
City of Nanaimo, Parks, Recreation and Culture
500 Bowen Road, Nanaimo, BC, V9R 1Z7
January 7, 2014

503 Comox Road Nanaimo, BC V9R 3J2, 250-591-2258
Cell SARAH BONAR 250-714-8446 CHRIS ZAMORA 250-714-8864

GNWD Lands
Biophysical Assessment
January 7, 2014

35



LEGEND:

- Foot reconnaissance routes
- Owl call-playback stations
- Eagle/heron stand-watch locations
- Lentic amphibian egg mass search locations
- Terrestrial amphibian search locations
- Bat detector listening post
- TrailMaster TM1500 remote camera system

Greater Nanaimo Water District Plan Update

Biophysical Site Significance



Sandstone Ridges (3)



Ridge / Shelter



Greater Nanaimo Water District Plan Update

Biophysical Site Significance



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Greater Nanaimo Water District Plan Update

Site Infrastructure



Former Reservoir No. 1



Natural Gas Right of Way



Former Fish Hatchery



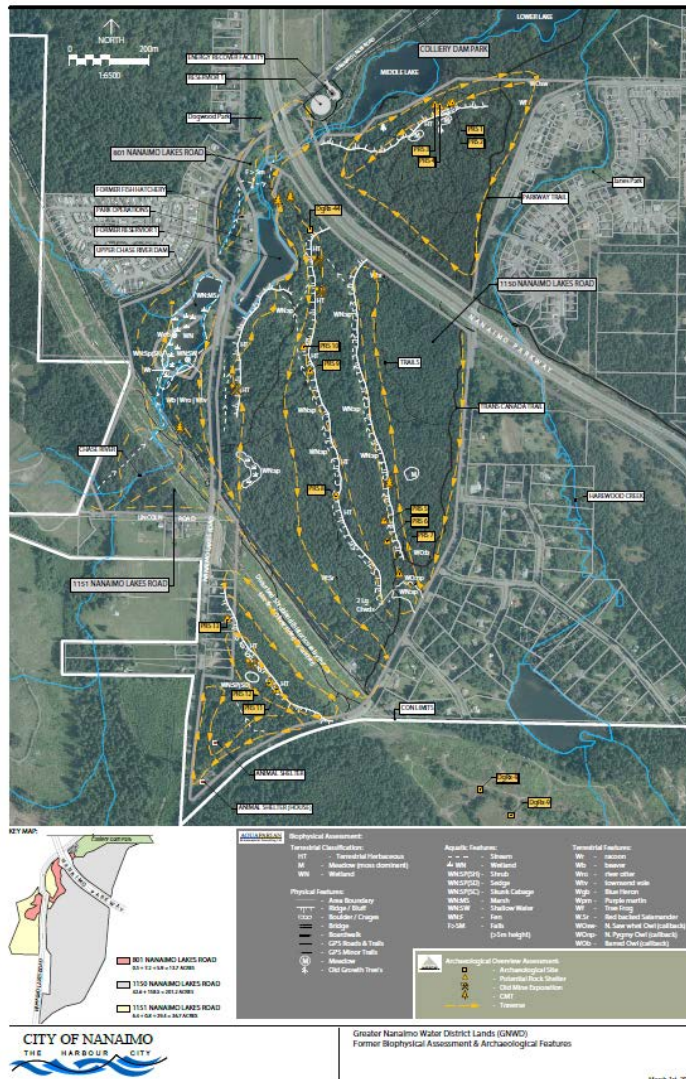
SPCA Animal Shelter



Trans Canada Trail

Greater Nanaimo Water District Plan Update

Overall Site Features



- **Chase River and Riparian Corridor**
- **Five distinct vertical ridges with significant habitat and archeological value**
- **Culturally Modified Trees Identified**
- **Evidence of past mining activity**
- **High value habitat found throughout the properties supporting:**
 - **10 species of mammals,**
 - **27 species of birds and**
 - **Three species of amphibians**