

# Woodlot Licence W1611 – Site Plan (Original) Block GH14 – Open Bay



## TENURE IDENTIFICATION

Licence	C.P.	Block	Region	District	Location	Mapsheets
Woodlot W1611	JA	GH14	Coast	Campbell River	Quadra Island – Gowlland Harbour	92J 014

Total Area Under Plan (TAUP) (ha)	Net Area to be Reforested (NAR) (ha)	Max Soil Disturbance In NAR (%)	Maximum Permanent Access Structure (%)	Wildlife Tree Retention Requirement (stand level biodiversity) (%)
0.9	0.8	8%	8%	N/A

SU	NAR (ha)	MOF Stocking Standard ID #
1	0.8	106681

## MANAGEMENT STRATEGIES

Strategies for objectives prescribed under WLP.	Applicable to site (Y/N)	Indicate how strategy applies to site
Riparian Management (WLPPR, Sec.36(4)) (WLP, Sec. 2.11.5, Sec 2.11.6, Sec 2.11.7, Sec 2.11.8, Sec 2.11.9)	N	There are no streams in block GH14.
Wildlife Tree Retention (WLPPR, Sec 52(1)) (WLP, Sec. 2.11.10)	Y	2-3 dominant or co-dominant trees are planned for retention at SU1 for the purpose of biodiversity management, old growth recruitment and visual management along the “Old B&B Trail”.
Coarse Woody Debris (WLPPR, Sec. 54(1)) (WLP, Sec. 2.11.11)	Y	Minimum retention or 4 logs per ha $\geq 5.0\text{m}$ in length and $\geq 30\text{cm}$ diameter at one end.
Resource Features (WLPPR, Sec. 56(1)) (WLP, Sec. 2.11.12)	Y	There are no ‘Resource Features’ within block GH14. The ‘Old B&B Trail’ is visible from the block and the access road (Arran’s Avenue) crosses the trail.

## AREA SUMMARY

	AREA (ha)							
	TOTAL AREA UNDER PLAN	NP NATURAL Rock / Water / Swamp	PERMANENT ACCESS STRUCTURES	SLR* (Stand Level Retention)	WTP (Wildlife Tree Patch)	RMA RESERVE ZONE	RESERVE(S) / IMMATURE PATCHES	NET AREA TO BE REFORESTED (NAR)
<b>1</b>	0.9	-	0.1	-	-	-	0.0	0.8
<b>BLOCK TOTAL</b>	<b>0.9</b>	-	<b>0.1</b>	-	-	-	<b>0.0</b>	<b>0.8</b>

### ECOLOGICAL INFORMATION AND SITE CHARACTERISTICS

SU	Site Index Spp/S <sub>iso</sub>	SI Source Code	SU AREA DESCRIPTION								
1 01ss	Fd / 30	Field Measure	SU1 GH14 is a zonal site (3/B-C) site with relatively well drained SL soils and is bounded on the west, south, and east sides by a rocky ridgeline. The mature forest is primarily douglas fir and the shrub layer is dominated by salal ( <i>Gaultheria shallon</i> ) and some huckleberry ( <i>vaccinium parvifolium</i> ). Fd height is 30m and the stand age is 95 years.								
			ELEVATION (m)			SLOPE (%)			ASPECT	BEC	
SU	Min	Max	Avg.	Min	Max	Avg		ZONE/SUBZONE/VARIANT	SITE SERIES		
1	105	130	120	15	40	30	North	CWH xm	01 (3 / B-C)		
PREHARVEST STAND TYPE (est.) – SU 1											
Species Composition (by volume)			Age Distribution		Age Class	Height Class	Average diameter (cm)	Volume / ha (m <sup>3</sup> /ha)	Stems / ha		
Fd100%			second growth		5	4	50	650	400		

### RESOURCE VALUES, MANAGEMENT STRATEGIES, AND RATIONALE

SOILS
<b>Soil Disturbance Limits</b> – 5% - SU 1 are: Compaction – Moderate / high; Displacement – Moderate, Erosion – Low.
<b>Ground Based Yarding</b> – Block will be harvested via hoe-forwarding.

SU	SILVICULTURE SYSTEM	DESCRIPTION
1	Patch Cut	2-3 Large Diameter Fd trees to be retained post-harvest

### SILVICULTURE PLAN

SILVICULTURE TREATMENT REGIME

STOCKING STANDARDS **										
SU	NET AREA TO REFOREST (NAR)(ha)	SSID	SPECIES		WELL SPACED TREES/HA			MINIMUM INTERTREE SPACING (m)	REGEN DELAY (years)	LATE FREE GROWING (years)
			PREF. (height – m.)	ACC. (height– m.)	TSS PREF. & ACC.	MSS PREF. & ACC.	MSS PREF. ONLY			
1	0.8	1066681	Fd – 3.0	Hw – 2.0 Pw – 2.5 Cw – 1.5	900	500	400	2.0	3	12

#### Forest Health Factors:

**Biotic** – NA – no significant disease or pest infestations are observed at block GH14

**Abiotic** – NA – No significant signs of blowdown is observed in the vicinity of block GH14

All seed and vegetative material used in accomplishing this plan will be used in accordance to the Chief Forester's Standards for Seed Use, and Changes to Seed Transfer Limits.

**Standards Unit 1: 0.8ha NAR CWHxm 01 (3-4/B-C) Stocking Method: Plant**

**Harvesting**

2-3 Dominant or Co-dominant trees / ha retained for OG / Biodiversity Mngt. The remaining trees at SU1 are to be harvested.

**Silviculture - Artificial Reforestation**

The recommended regeneration strategy is artificial (planting) to immediately reforest the site. The area should be planted the first spring following harvest with a combination of Fd and Cw. The area should then be surveyed following two growing seasons and fill planted at that time if required.

**Vegetation Management Strategies**

Monitor brushing, during scheduled surveys. Block GH13 is considered to have a low / moderate brush hazard. Prompt reforestation is recommended to minimize the necessity for brush control operation. Should surveys indicate that stocking / free-growing obligations will not be met, a brushing treatment will be scheduled. The method of brush control will be manual. Providing successful planting operations are completed, brush control at block GH14 is not anticipated.

**ACTIVITY TIMELINE**

Harvest (H)

Plant (if prescribed) - H + 1

Survey - H + 3

Brushing - H + ? – based on block visits

Free Growing – H + 20 years pending brush treatments and conifer height requirements

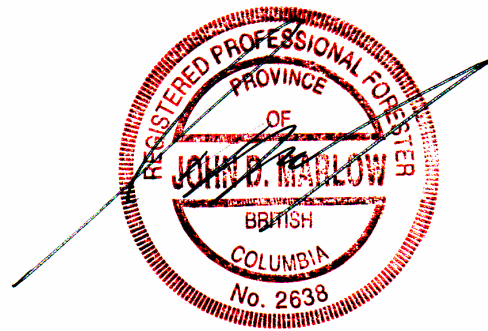
**SEEDLING REQUIREMENTS \***

Species	Age Class	Stock Types	Seed Zone	Elevation (m)	Trees per ha	Total Trees
Fd	1 + 0	410A	M	40	<b>800</b>	<b>640</b>
Cw	1 + 0	410A	M	40	<b>200</b>	<b>160</b>

**ANCILLIARY DOCUMENTS ON FILE:**

- 1:5000 SITE PLAN MAP
- FIELD DATA CARDS (e.g., SP cards, forest health evaluations, site information, plantability, etc.)
- TERRAIN STABILITY ASSESSMENT
- ARCHAEOLOGICAL OVERVIEW ASSESSMENT
- VISUAL IMPACT ASSESSMENT
- SOIL HAZARD ASSESSMENT
- RIPARIAN ASSESSMENTS/RATIONALE
- FOREST HEALTH / PEST INCIDENCE ASSESSMENT
- PERMANENT ACCESS CALCULATION SHEET
- CRUISE SUMMARY
- WINDTHROW FIELD ASSESSMENT CARD

Site Plan prepared by: John Marlow, RPF



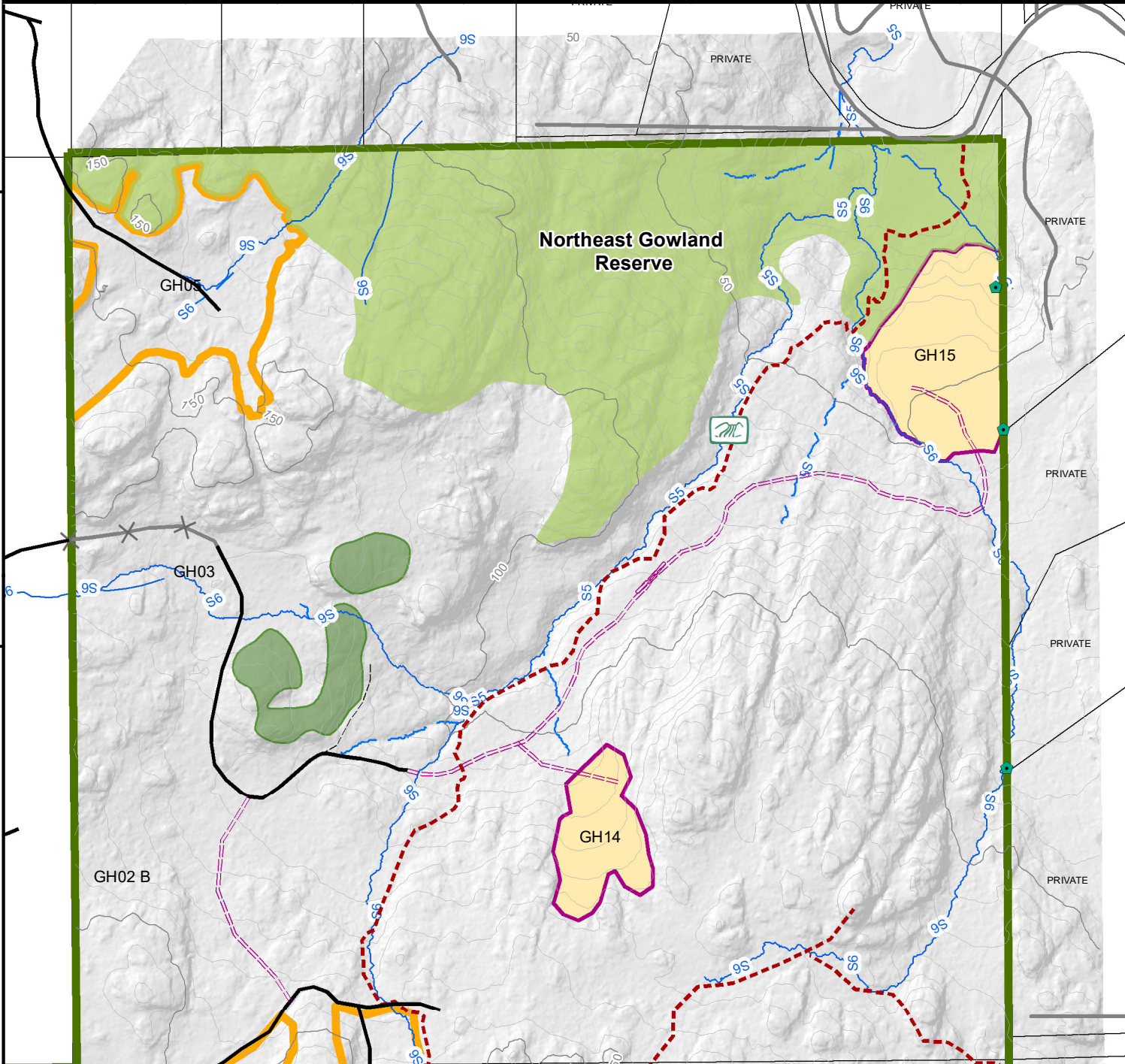
Registered Professional Forester Signature

Date: January 21, 2021

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Block	SU	Gross	NAR (ha)	PAS	BEC	Site Series	SSID	Lat	Long
GH14	1	0.9	0.8	0.1	CWHvm	01	1066681	50.112856	-125.236853
Total		0.9	0.8	0.1					
Block	SU	Gross	NAR (ha)	PAS	BEC	Site Series	SSID	Lat	Long
GH15	1	1.8	1.7	0.1	CWHvm	05	1066685	50.116650	-125.232538
Total		1.8	1.7	0.1					



**Woodlot Licence W1611 Pre-Harvest Instructions**  
**Blocks GH14 & GH15**

**Licensee:** Rockview Resources Ltd.  
**Forest Region:** Coast  
**Forest District:** Campbell River  
**Ref. Map:** 92J014  
**Datum, UTM Zone:** Nad 83  
**Projection:** BC Albers  
**Drafted By:** Rockview Resources Ltd.  
**Date:** January 2021



**Woodlot Bdy**

**Existing Block**  
**Engineered Block**

**Standard Units**

SU1  
 SU2

**Reserves**

Old Growth Reserve  
 RRZ  
 RMZ  
 WTP

**Road Station**

FC

Culvert

Landing

Barrier

**Road Feature**

Road, Existing

Road, Engineered

Road, Deactivated

Trail

**Water Feature**

NCD

S# 1 - S4 Fish Creek

S# 5 - S6 Non Fish Creek

Lake

Wetlands

**Resource Feature**

Water Intake

Slope >60 %

Contour - Index

Contour - Intermediate

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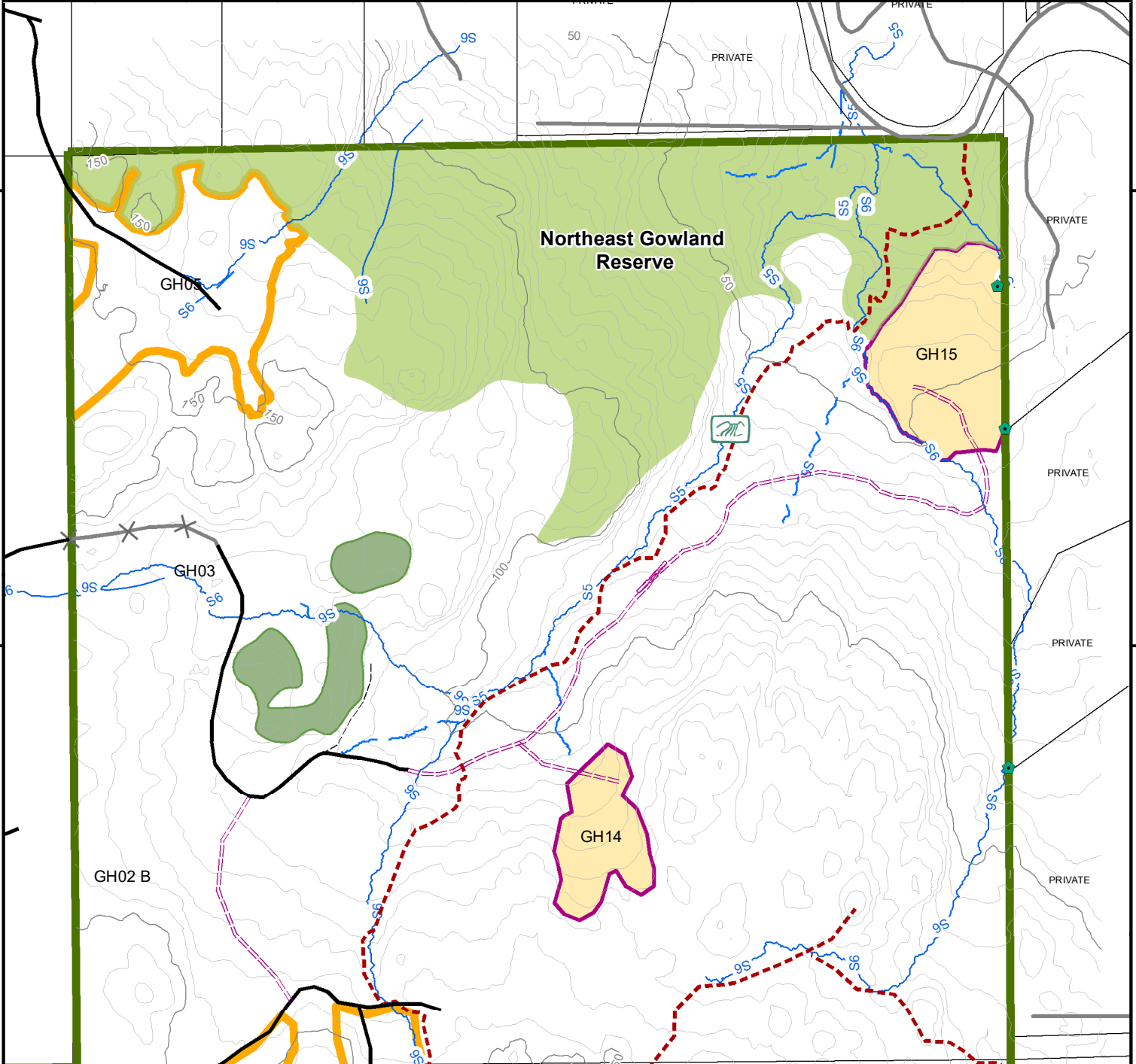
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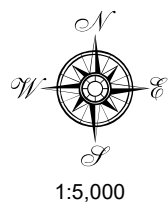
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<ul style="list-style-type: none"> <li>Woodlot Bdy</li> <li>Existing Block</li> <li>Engineered Block</li> </ul>	<ul style="list-style-type: none"> <li>Road Station</li> <li>FC</li> <li>Culvert</li> <li>Landing</li> <li>Barrier</li> </ul>	<p><b>Water Feature</b></p> <ul style="list-style-type: none"> <li>NCD</li> <li>S# 1 - S4 Fish Creek</li> <li>S# 5 - S6 Non Fish Creek</li> <li>Lake</li> <li>Wetlands</li> </ul>
<p><b>Standard Units</b></p> <ul style="list-style-type: none"> <li>SU1</li> <li>SU2</li> </ul> <p><b>Reserves</b></p> <ul style="list-style-type: none"> <li>Old Growth Reserve</li> <li>RRZ</li> <li>RMZ</li> <li>WTP</li> </ul>	<p><b>Road Feature</b></p> <ul style="list-style-type: none"> <li>Road, Existing</li> <li>Road, Engineered</li> <li>Road, Deactivated</li> <li>Trail</li> </ul>	<p><b>Resource Feature</b></p> <ul style="list-style-type: none"> <li>Water Intake</li> <li>Slope &gt;60 %</li> <li>Contour - Index</li> <li>Contour - Intermediate</li> </ul>

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