

Pre-Harvest Prescription

Stocking Standards / Critical Factors

Woodlot Licence: W1475		Cutting Permit: AB		Block: 15-01		Timber Mark: WBSAB				
Total Area (ha): 1.27		NAR (ha): 1.21		NP NAT (ha): 0.0		NP UNN (ha /%): 0.06/4.7%		P.A.S. Limit (%): 10%		
This prescription is consistent with the WLP for W1475 approved June 15, 2010.										
STOCKING STANDARDS										
SU	Standards ID	NAR (ha)	Biogeoclimatic Ecosystem Classification				Regeneration Method	Preferred Species	Acceptable Species	
			Zone	Subzone	Variant	Site Series				
1	1035452	1.21	CDF	mm		01 ₉ (05 ₁)	Plant	Fd, PI	Cw	
SU	Regen. Date (yrs)	FG Date Late (yrs)	MITD (m)	TSS (sph)	MSSpa (sph)	MSSp (sph)	Min. FG Ht. by Species		Crop Tree to Brush Ratio (%)	
1	3	12	2.0	900	500	400	Fd Cw PI	2.00 1.00 1.25	150	
SOIL DISTURBANCE										
SU	Compaction			Displacement		Surface Erosion		Soil Disturbance Limit (%)		
ALL	Moderate to High			Low		Moderate		8%		
COMMENTS	<p>Soils in this block are relatively well drained but compaction is possible in wet soil conditions.</p> <p>Use puncheon or rubber matting as necessary. Stop work if the following soil disturbances cannot be avoided: >>>Wheel/Track Ruts, Compacted Areas, Gouges, Scalps<<<</p> <p>Rehabilitate compacted areas and roadsides by de-compacting with hoe (preferably grapple attachment) while avoiding scalps larger than 1.5 x 1.5 m. Grass seed exposed mineral soil within 1 year of completion of harvest.</p>									
RIPARIAN MANAGEMENT										
Riparian Class of Feature	S6	Designation on Map	Stream 3				Falling and/or Skidding or Yarding Across a Stream	No		
Stream 3 is located approximately 5m - 15m outside of the east block boundary. Fall and yard away.										
CRITICAL FACTORS AND REGENERATION COMMENTS										
<p>Harvesting: Block boundaries are established with orange flagging and falling corners marked with orange paint and orange and white ribbon. No boundary tree with orange flagging or orange spray paint should be felled or damaged.</p> <p>Safety: Ensure all access points to harvest areas are adequately signed and that operators stay alert for recreational users. Recreation trails are shown on the attached map.</p> <p>Retention: Trees and patches marked for retention are intended to maintain structural and biological diversity within this opening and to provide coarse woody debris and wildlife tree recruitment. In addition to in-block retention 0.12 ha (10% of block area) between the east boundary and Stream 3 has been designated as wildlife tree retention area.</p> <ol style="list-style-type: none"> 1. Retain all trees marked for retention. Twelve (12) individual trees as well as a small leave patch have been marked for retention with blue ribbon and blue painted "LT" below stump height. If a marked tree must be felled due to safety of operational reasons it should be replaced with the nearest suitable tree. Additional trees to those marked may be retained. 2. Retain all trees within the small leave patch flagged in blue ribbon and shown on the attached map. 3. Retain arbutus throughout the block wherever safe and operationally practicable. 4. Retain all veteran Douglas-fir throughout the block where safe and operationally practicable. All veteran fir identified during fieldwork have been marked for retention. 5. Retain as many non-merch trees adjacent (within 5m) of the recreation trail running NW/SE through the block as operationally practicable. <p>Snags: Do not fall snags outside of the block boundary unless they have been assessed as unsafe for workers within the block.</p> <p>Phellinus Root Rot: No root rot was noted during fieldwork.</p> <p>Windthrow: Windthrow risk has been assessed as low due to stand structure, rooting conditions and small fetch.</p>										

Coarse Woody Debris: Retain all existing coarse woody debris as well as a minimum of 4 logs/ha each being a minimum of 5m in length and 30 cm in diameter at one end. These logs should come from the existing stand and, where possible, be evenly distributed throughout the harvest area.

Wildlife: No wildlife habitat features were noted during fieldwork.

Invasive Plants: No invasive plants were identified within this block but Holly is present throughout the woodlot and Scotch broom is present on the nearby power line right of way and adjacent to woodlot access roads. To prevent the further spread of broom, grass seed exposed soil on or adjacent to roads, trails, and landing sites as soon as possible following harvest. Grass seed should be Canada Common #1 or better. Monitor and treat any identified invasive species annually.

Visual Quality Objectives: Block 15-01 is located within a partial retention VQO polygon. While somewhat rectilinear in shape the opening will be very small in scale and only visible from in-block recreation trails due to its low elevation within the woodlot. In block retention will reduce the visual impact for recreationalists somewhat.

Recreation: There is extensive recreational use in this area of the woodlot including a trail running northwest through the block and another running east-west close to the proposed road location. Clear woody debris from the trail running NW/SE through the block following harvest. The E-W trail may be re-established or re-routed onto Leroy main for a short section depending on the post harvest condition.

Ensure all potential access points to harvesting areas are well signed and that operators stay alert for recreational users.

Site Preparation: Pile slash where accumulations limit plantability or where required for fire hazard abatement. If piling is necessary, keep in block piles tall and narrow (<3.0m diameter) to maintain the number of plantable spots. Ensure coarse woody debris retention requirements are met.

Ensure all ditches are cleaned and culverts functioning following harvest completion.

CDF mm: This block is located in the Coastal Douglas-fir biogeoclimatic zone (CDFmm), which contains many red listed (endangered or threatened) species and ecosystems as a result of it's small geographic range and habitat loss associated with residential, commercial and agricultural development and forest harvesting. Block 15-01 is not known to contain any red listed species or ecosystems. However, the red listed ecosystems and plant communities within the CDFmm are primarily associated with old forest conditions that can require centuries to develop. This prescription is intended to maintain some of the elements (species and structural diversity, coarse woody debris, etc) found in old forests in order to allow for the species dependant on these conditions to be maintained.

Regeneration: SU 1 has a moderate risk of post harvest brush competition. Plant promptly following harvest and monitor brush competition.

Plant Cw in wetter depressions and around seepages, particularly towards the east boundary and Stream 3.

Recommended Planting Prescription:

SU	NAR (ha)	Brush Hazard	Species	Percent (%)	Stock Type	Stems/ha	Total Stems
1	1.2	M	Fd	80	410 or larger	960	1152
			Cw	20		240	288
						TOTAL	1,440

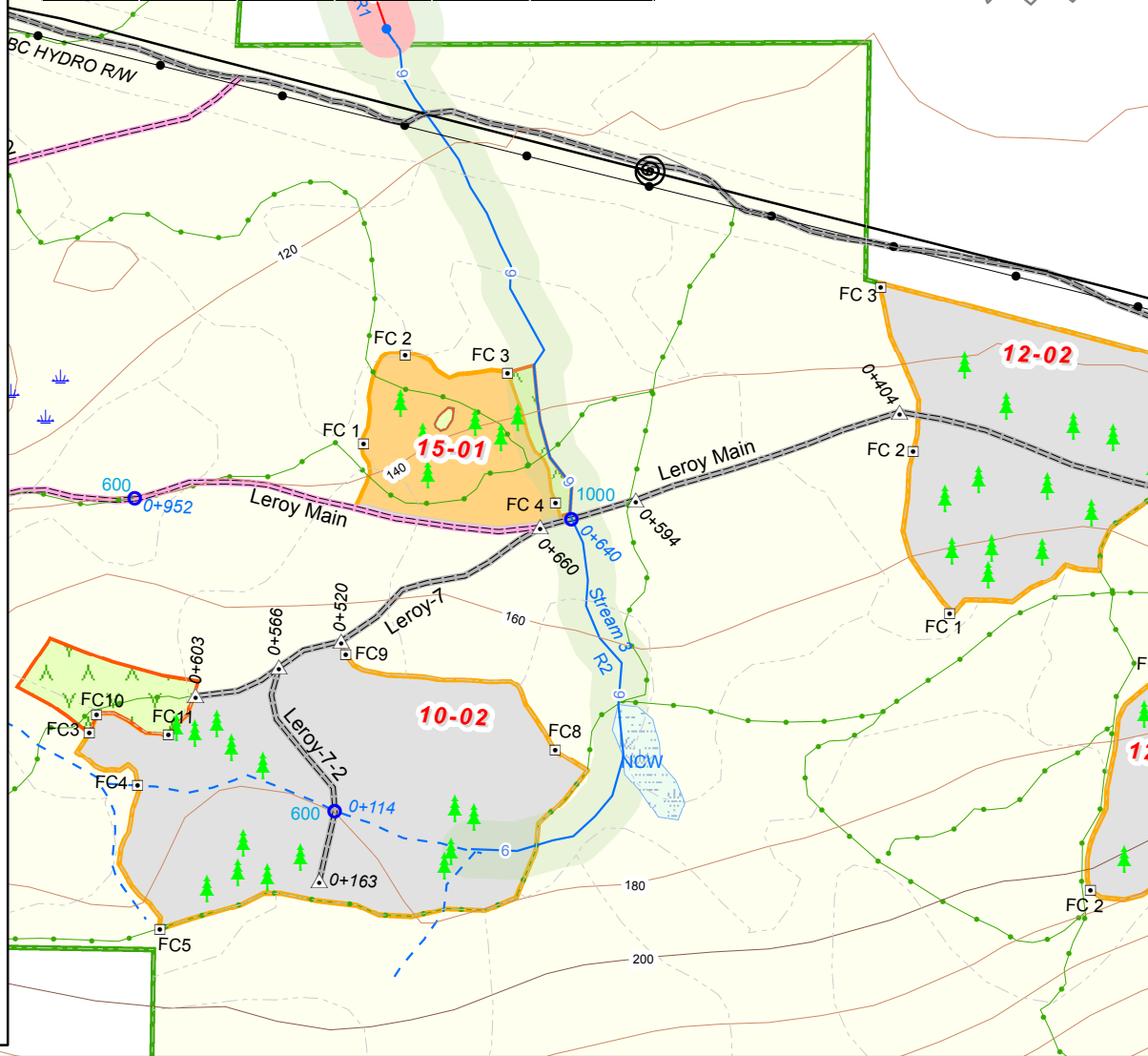
Use only seed registered, stored, selected and transferred in accordance with the standards established by the chief forester and keep a record of the registration numbers of the seed that is used, if any, and a map of the location where the trees grown from the seed are planted.

Cultural Heritage Resources: No archaeological evidence was found during fieldwork. If, during harvesting, any evidence of archaeological resources is found notify John Gregson and cease work within a 30m radius of the area.

RPF SIGNATURE AND SEAL

- Leave Tree
- Bear Den
- Falling Corner
- Station
- Permanent Landing
- Temporary Landing
- Culvert
- Bridge
- Quarry
- RP
- Swamp
- Gate/Barrier
- Legal Monument
- S4 Non-Fish Stream
- S6 Non-Fish Stream
- NCD
- Yarding Direction
- Existing Road
- Engineered Road
- Deactivated Rd
- Projected Road
- Existing Trail
- Projected Trail
- Old Trail
- Old Road
- Recreation Trail
- Wetland
- Lake
- Management Zone
- WTP/Reserve
- Block
- Woodlot Area
- SU - 1
- SU - 2
- Root Rot

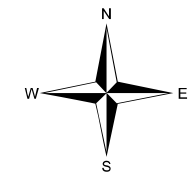
BLOCK	SU	NAR (ha)	BEC	ECO SITE	STOCKING STANDARD ID
15-01	A	1.21	CDFmm	1	1035452
	Total	1.21			
	AREA (ha)				
	PAS	0.06			
	NPNAT	0.00			
TAUP	1.27				
SU	MITD	TSS	MSS (P+A)	MSS (P)	MIN FTG HEIGHT
A	2	900	500	400	Fd (P) 2.00m
(P) = Preferred Species					Pl (PI) 1.25m
(A) = Acceptable Species					Cw (A) 1.00m



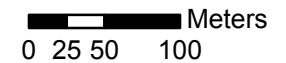
Woodlot Licence W1475

Ministry of Forests and Range
South Island District

Pre-Harvest Map Block 15-01



1:5,000



Licensee: John Gregson
Reference Map: 092F030
Datum: NAD 83
UTM Zone: 10
Forest Region: 01 Coast
Forest District: South Island
TSA: 38 Arrowsmith
TSB: B Nanaimo
FIZ: B
P.S.Y.U.: 235 E&N
Inv. Reg.: R7
Comp.: 23D
Drafted by: ECON
Date: June 8, 2015

