



Western Forest Products Inc.
DEFINING A HIGHER STANDARD™

Timberlands
Management System



Forest Stewardship Plan South Central Coast 2024-2029

Document Owner:

John Deal, RPBio, RPF

Prepared By:

Bruce Vinnedge, RPF

Licensee Signing Authority:

Doug Underhill, RPF

Revision Date: February 20, 2024

Forest Stewardship Plan

South Central Coast 2024-2029

Table of Contents

Table of Contents.....	1
Preamble.....	4
1. Date of Submission	3
2. Interpretation and Definitions	3
2.1 Interpretation	3
2.2 Definitions:	3
3. Application of this FSP	4
3.1 Licences and Licensees (<i>FRPA</i> s.3(4))	4
3.2 Application of this FSP to FPC Obligations (<i>FRPA</i> ss.197(4-5, 7) and <i>FPPR</i> ss.14(1)(d-e)).....	4
3.3 Term of this FSP (<i>FRPA</i> ss.6(1)(a) and (b))	5
4. FSP Map and Forest Development Units (FDUs) (<i>FRPA</i> Act s.5(1)(a), <i>FPPR</i> s.14).....	5
4.1 Boundaries of the FDU	5
4.2 New Forest Development Units (<i>FRPA</i> s.5(1)(a) and <i>FPPR</i> s.14(1)(a)).....	5
4.3 Forest Development Units in Effect on Date of Submission of this FSP (<i>FRPA</i> ss.7(1.1) and (2) and 5(1)(a) and <i>FPPR</i> s.14(1)(b))	5
4.4 Areas to Which s.196(1) of the Act Apply (<i>FRPA</i> s.196(1); <i>FPPR</i> s.14(1)(c)	5
4.5 Designations in Effect Four Months Before Submission of This FSP (<i>FPPR</i> s.14(2)).	5
4.6 Areas Within FDUs Considered to be Approved (<i>FRPA</i> ss.196(1) and (2) and <i>FPPR</i> s.14(1)(c) and s.110).....	5
4.7 Areas within FDU in Which Commercial Timber Harvesting is Prohibited by Another Enactment (<i>FPPR</i> s.14(3)(i)).....	6
4.8 Areas within FDUs Subject to Cutting Permit or Road Permit (<i>FPPR</i> s.14(3)(j)).....	6
5. Great Bear Rainforest Order Results or Strategies	6
5.1 First Nations Objectives	6
5.1.1 First Nation Information Sharing and Engagement.....	6
5.1.2 Identification of Indigenous Forest Values	7
5.1.3 Indigenous Forest Resources	7
5.1.4 Indigenous Heritage Features.....	8
5.1.5 Historical Culturally Modified Trees	9
5.1.6 Indigenous Trees Use	9
5.1.7 Retention of Western Yew	10
5.2 Land Allocation and Biodiversity Objectives.....	11
5.2.1 Managed Forest and Protected and Reserved Forest.....	11
5.2.2 Old Forest Maintenance and Recovery	11
5.2.3 Old Forest Maintenance and Recovery	12

PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

Timberlands
 Management System

South Central Coast 2024-2029

5.2.4	Red Listed and Blue Listed Plant Communities.....	13
5.2.5	Landscape Reserve Design.....	14
5.2.6	Stand Retention	14
5.3	Objectives for Aquatic Habitat and Riparian Forest.....	15
5.3.1	Important Fisheries Watersheds	15
5.3.2	Type 1 Aquatic Habitat.....	16
5.3.3	Type 2 Aquatic Habitat.....	17
5.3.4	Forested Swamps	18
5.3.5	Upland Stream Areas.....	18
5.3.6	Active Fluvial Units.....	19
5.4	Objectives for Wildlife Habitat	20
5.4.1	Grizzly Bear Habitat	20
5.4.2	Grizzly Bear Dens	21
5.4.3	Black Bear Dens	22
6.	FRPA Values and Results or Strategies	23
6.1	Soils.....	23
6.1.1	Soil Disturbance Limits	23
6.1.2	Permanent Access Structures Limits	23
6.2	Timber	23
6.3	Wildlife	24
6.3.1	Species at Risk	24
6.3.2	Winter Survival of Specified Ungulate Species.....	28
6.4	Water, Fish, Wildlife and Biodiversity within Riparian Areas.....	30
6.4.1	Water, Fish, Wildlife and Biodiversity within Riparian Areas	30
6.4.2	Retention of Trees in a Riparian Management Zone.....	30
6.5	Fish Habitat in Fisheries Sensitive Watersheds	31
6.6	Water in Community Watersheds.....	31
6.7	Wildlife and Biodiversity – Landscape Level	32
6.7.1	Cutblock Size and Adjacency Limits	32
6.8	Wildlife and Biodiversity – Stand Level	33
6.8.1	Wildlife Tree Retention.....	33
6.9	Visual Quality	34
6.10	Cultural Heritage Resources.....	35
6.11	FRPA Value: Recreation	36
6.12	FRPA Value: Resource Features	37
7.	FRPA Measures.....	38
7.1	Invasive Plants	38
7.2	Natural Range Barriers	40
8.	Stocking Standards	40

Forest Stewardship Plan

South Central Coast 2024-2029

8.1	Application.....	41
8.2	Application to Cutblocks Where Harvesting Began Before Term Commences (Act s.197(5)) and declaration was not received by MFLNRO within RESULTS.....	41
8.3	Situation or Circumstances that Determine Whether Free Growing is Assessed on a Block Basis.....	41
8.4	Stocking and Related Standards for Stands to which Free Growing Obligations Apply 42	
8.4.1	Species	42
8.4.2	Stocking (Even-Aged Stocking Standards).....	42
8.5	Intermediate Cutting	43
8.6	High Retention Harvesting – SEDRSS.....	43
9.	Signature(s) (FRPA Act s.5(3)).....	46
	Appendix 1 – Stocking Standards	47
	Appendix 1.1 – Species Selection and Stocking Targets	47
	Appendix 1.2 – Minimum Horizontal Inter-Tree Distance	51
	Appendix 1.3 – SEDRSS Stocking Standard.....	52
	Appendix 1.3.1 – SEDRSS Tabular Method for HwCw over HwCw.....	52
	Appendix 1.3.2 - SEDRSS Tabular Method for Second Growth Fdc – Fd(CwHw) over HwCwFd – SI 30	53



Forest Stewardship Plan

South Central Coast 2024-2029

Preamble

This FSP encompasses lands within the traditional territories of many First Nations, as documented by evidence of historical use and the memories of their Elders. The FSP Holder will share information and work collaboratively with Da'naxda'xw/Awaetlala First Nation, Dzawada'enuxw First Nation, Gwa'sala-'Nakwaxda'xw Nations, Gwawaenuk Tribe, K'omoks First Nation, Kwakiutl First Nation, Kwiakah First Nations, Kwikwasut'inuxw Haxwa'mis First Nation, Mamalilikulla First Nation, We Wai Kai First Nation, Wei Wai Kum First Nation, Xwemalhkwa (Homalco) First Nation, and as appropriate, with Nanwakolas Council and Coastal First Nations.

This Forest Stewardship Plan replaces a portion of the Mainland Coast Forest Stewardship Plan (2018-2025), as maintained in the BC Government FSP Tracker system.

FSPs are the key operational plan under the *Forest and Range Practices Act* (FRPA). FSPs identify broad areas called Forest Development Units (FDUs) where timber harvesting and road construction may occur, are subject to public review and comment, and must be approved by government before taking effect. FSPs do not show cutblocks and roads for approval and are generally in effect for a five-year term.

For each of the FRPA values and objectives set by government, such as wildlife and biodiversity, the FSP identifies legally binding results and strategies, measures and standards which will be required to be implemented by each holder of the FSP in the FDU.

This FSP includes FDU A which corresponds to the South Central Coast portion of the Great Bear Rainforest Land Use Objectives Order. This FSP applies where each Holder of the FSP is involved with road and cutblock development, as well as cutblocks with outstanding silviculture obligations.

The WFP South Central Coast FSP with maps and appendices can be found at <https://www.westernforest.com/responsibility/environment/practices-plans/>.

More information on FSPs is available at:

<https://www2.gov.bc.ca/gov/content/industry/forestry/managing-our-forest-resources/forest-stewardship-plans>.

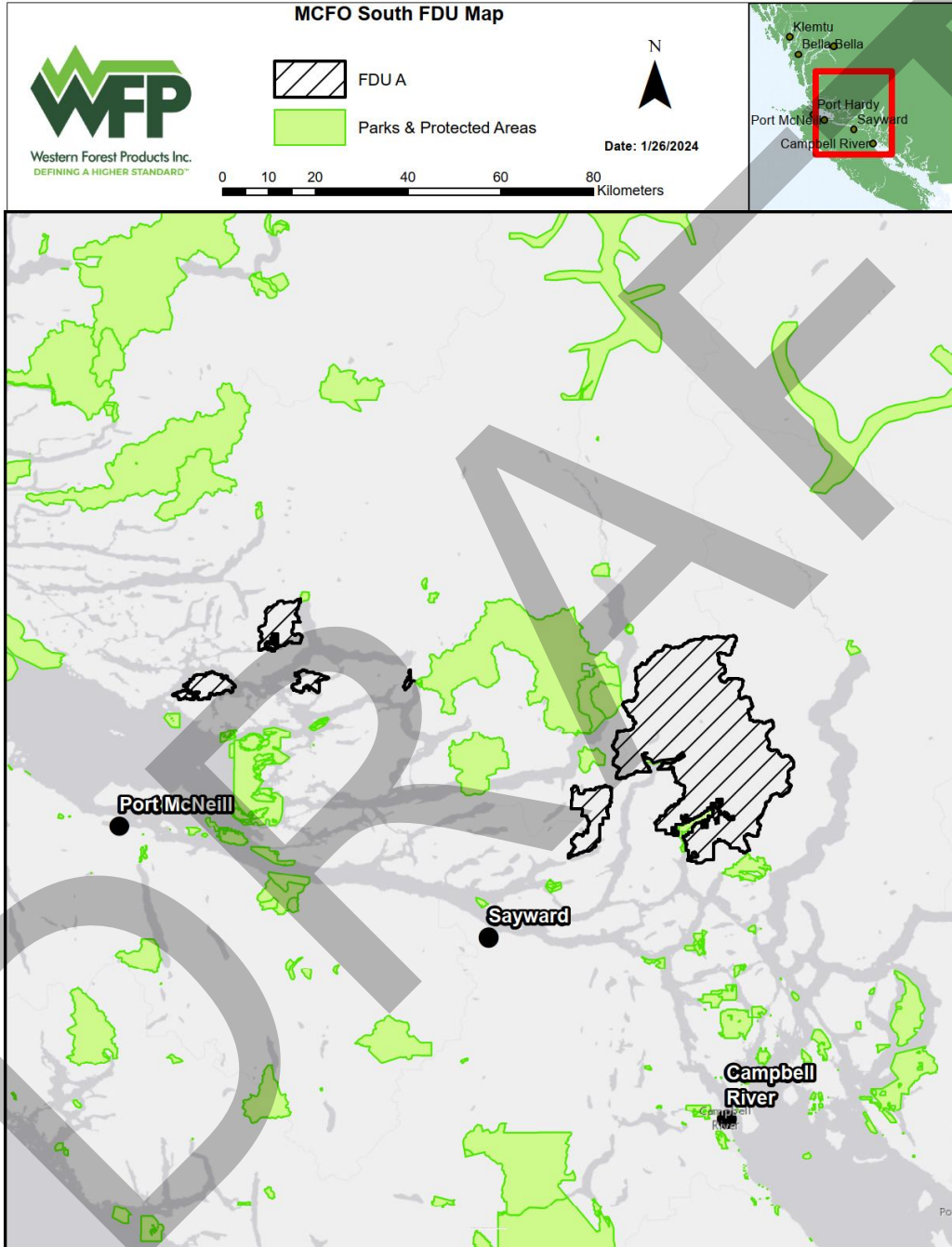
Comments should be directed to:

Western Forest Products Inc.
Mainland Coast Forest Operation
Attn. Bruce Vinnedge, RPF
Sr. Silviculture Forester
fsp@westernforest.com

Forest Stewardship Plan

South Central Coast 2024-2029

Figure 1 – Mainland Coast Forest Operation South Central Coast – FDU Map



PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

South Central Coast 2024-2029

1. Date of Submission

The date of submission will be the date of submission in the Forest Stewardship Plan Tracking System.

2. Interpretation and Definitions

2.1 Interpretation

Results or **Strategies** in this Forest Stewardship Plan (**FSP**) refer Objectives from the Forest Planning and Practices Regulation (**FPPR**), the Great Bear Rainforest Land Use Objectives Order or the Government Actions Regulation (**GAR**) as they were on the date this **FSP** was submitted for approval.

The word “section” or “subsection” or the abbreviations “s.” or “ss.” is used to indicate a numbered section or sections of the indicated Act, Regulation, or Order. An **FSP** section or subsection may also be referred to with “s.” or “ss.” Where no other reference is indicated, “s.” or “ss.” refers to a section or subsection under the current header.

Sections of Orders, Notices, and Objectives are embedded within Objective Source or Background Information tables in this **FSP** for convenience only. If there is a discrepancy between this **FSP** text and a quoted section, the text in the Act, Regulation, Order, or Notice prevails, and should be used in preference to this **FSP** text. Where contained in this **FSP**, the preamble, objective sources and background information are not part of this **FSP** or **Results** or **Strategies**.

Certain terms are intentionally in bold type within the text, to add emphasis and to indicate the specific definition listed below (i.e. “holder” may indicate a holder of a different forest stewardship plan, while “**Holder**” indicates a holder of this **FSP**).

2.2 Definitions:

General definitions that apply to the entire text of the **FSP** are listed here. Where definitions appear under a section or subsection header, those definitions apply in that section or subsection.

“**FDU**” means forest development unit;

“**FPC**” means the *Forest Practices Code of British Columbia Act*.

“**FPPR**” means the Forest Planning and Practices Regulation.

“**FRPA**” means the *Forest and Range Practices Act*.

“**FSP**” means this Forest Stewardship Plan.

“**GAR**” means the Government Actions Regulation.

“**Holder**” means a holder of an agreement under the *Forest Act*, and a signatory to this **FSP**.

“**Licensee**” means an agreement holder under the *Forest Act*, that is a holder of this **FSP**.

“**Measure**” means obligations required by **FPPR** ss.17-18.

PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

South Central Coast 2024-2029

“Order” means, unless stated otherwise, the “Great Bear Rainforest Land Use Objectives Order” (2023), with land use objectives established using authority under the *Land Act*, s.93.4.

“Primary Forest Activity” has the same meaning as in **FPPR** s.1(1).

“Result” and “Strategy” have same meanings as in **FPPR** s.1(1).

“Stocking Standards” means obligations required by **FPPR** s.16

3. Application of this FSP

3.1 Licences and Licensees (**FRPA** s.3(4))

1. This **FSP** applies to each cutting permit and road permit issued or granted to the **Licensees** holding this **FSP**:
 - a. after the **FSP** term commences;
 - b. within **FDUs**; and
 - c. under or in respect of the following licences:

Licensee	Licence
Western Forest Products Inc.	TFL 25 Block 2, TFL 39 Block 3 (Portion), TFL 39 Block 5
	FL A19244
	T0344, T0433
CRIBCO Forest Products Limited Partnership	FL A84407, FL A98533, FL A98624

3.2 Application of this FSP to FPC Obligations (**FRPA** ss.197(4-5, 7) and **FPPR** ss.14(1)(d-e))

1. In the **FDU**, this **FSP** applies:
 - a. To all cutblocks and roads subject to cutting permits issued to each **Holder** under the licences referred to in Paragraph 3.1 on or after the date approval of this **FSP**;
 - b. To a cutblock or road permit subject to a cutting permit issued to each **Holder** under a licence referred to in Paragraph 3.1 before this **FSP** term commences, whether the cutting permit is still in effect or not, for which each **Holder** gives written notice to the minister responsible for the Forest Act after this **FSP** term commences, effective the date, and to the extent, specified in the notice;
 - c. To a road, or portion thereof, subject to a road permit in effect before the **FSP** term commences for which each **Holder** gives written notice to government after this **FSP** term commences, effective the date, and to the extent, specified in the written notice;
 - d. Where each **Holder** may elect to, for the purpose of changes to the total area under prescription of cutblock, including wildlife tree patches, under **FRPA** s.197(4) or (7) within the **FDU** as specified by **FPPR** s.14(1)(d), make changes to wildlife tree patches consistent with s.6.8 of this **FSP**; and

Forest Stewardship Plan

South Central Coast 2024-2029

- e. For a cutblock that has not been declared free growing that is within the **FDU** each **Holder** may elect to, for the purpose of otherwise specifying stocking standards, under **FRPA** ss.197(4), (5) or (7) within an **FDU** as specified by **FPPR** ss.14(1)(d) or (e) and where it is ecologically appropriate, to have stocking standards approved under this **FSP** apply to standards units within cutblocks from previous plans. For each standards unit, this election is to be made prior to a free growing declaration.

3.3 Term of this FSP (FRPA ss.6(1)(a) and (b))

1. The term of this **FSP** is specified by the minister or person delegated under **FRPA** s.120.1.

4. FSP Map and Forest Development Units (FDUs) (FRPA Act s.5(1)(a), FPPR s.14)

4.1 Boundaries of the FDU

1. The boundaries of the **FDU** under this **FSP** shown on the **FDU** map (Figure 1), are deemed to follow the chart areas or boundaries of the tenures listed in Section 3.1 within the South Central Coast Area, as shown in Schedule B of the **Order**.

4.2 New Forest Development Units (FRPA s.5(1)(a) and FPPR s.14(1)(a))

1. The **FDU** map (Figure 1) shows the **FDU** boundaries.

4.3 Forest Development Units in Effect on Date of Submission of this FSP (FRPA ss.7(1.1) and (2) and 5(1)(a) and FPPR s.14(1)(b))

1. The **FDU** map shows the **FDU** that is in effect at the time of its submission for approval.

4.4 Areas to Which s.196(1) of the Act Apply (FRPA s.196(1); FPPR s.14(1)(c))

1. Not applicable.

4.5 Designations in Effect Four Months Before Submission of This FSP (FPPR s.14(2))

1. This **FSP** identifies designations and other areas listed in **FPPR** s.14(2) that were in effect 4 months before this **FSP** was submitted for approval.

4.6 Areas Within FDUs Considered to be Approved (FRPA ss.196(1) and (2) and FPPR s.14(1)(c) and s.110)

1. Not applicable.

Forest Stewardship Plan

South Central Coast 2024-2029

4.7 Areas within FDU in Which Commercial Timber Harvesting is Prohibited by Another Enactment (FPPR s.14(3)(i))

1. See s.5.2.5 of this FSP.

4.8 Areas within FDUs Subject to Cutting Permit or Road Permit (FPPR s.14(3)(j))

1. See the FSP map for active cutting permit and road permit areas.

5. Great Bear Rainforest Order Results or Strategies

Definitions for the purposes of s.5 of this FSP

“**EBM Guidance**” means the “Ecosystem-Based Management Planning and Practice Guidance”, as amended from time to time. **EBM Guidance** includes the “Ecosystem-Based Management Supplemental Technical Guidance” where referenced in the “Ecosystem-Based Management Planning and Practice Guidance”.

Adopting EBM Guidance as a Result or Strategy

1. For the purposes of following **EBM Guidance**:
 - a. A **Holder** will apply the version of the **EBM Guidance** that is in effect at least four months before the time of information sharing of proposed block and road development with affected First Nations; or
 - b. A **Holder** will apply the **EBM Guidance** version that is current at the time of cutting or road permit submission; or
 - c. In a site or circumstance where the **EBM Guidance** is determined to be not practicable, a **Holder** will provide a rationale of how the **GBR Order** objective is met, and include this rationale as part of the information sharing of the proposed block and road development with affected First Nations.

5.1 First Nations Objectives

5.1.1 First Nation Information Sharing and Engagement

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 1, Division 2, s.3 & Part 3, Division 2, s.3.	June 9, 2023
(1) For the purpose of implementing and achieving the intent of the objectives in this [land use] order, conduct First Nation engagement with applicable First Nations.		

Strategy – First Nation Information Sharing and Engagement

Forest Stewardship Plan

South Central Coast 2024-2029

1. As a **Strategy**, to comply with the Objective in Part 1, Division 2, s.3 and Part 3, Division 2, s.3 of the **Order**, each **Holder** will follow the guidance contained under the header “Objective for First Nations Information Sharing and Engagement” in s.2.2 of the **EBM Guidance**.¹

5.1.2 Identification of Indigenous Forest Values

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 2, s.4	June 9, 2023
<p>(1) Prior to undertaking road construction or timber harvesting, through field reconnaissance or field assessments and First Nation engagement as appropriate, identify Indigenous forest values that may be altered or adversely impacted by road construction, timber harvesting, or other site development activity.</p>		

Strategy – Identification of Indigenous Forest Values

1. As a **Strategy**, to comply with the Objective in Part 3, Division 2, s.4 of the **Order**, each **Holder** will follow the guidance contained under the header “Objective for Identification of Indigenous Forest Values” in s.2.2 of the **EBM Guidance**.

5.1.3 Indigenous Forest Resources

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 2, s.5	June 9, 2023
<p>(1) Avoid road construction, timber harvesting and other site development activities in areas and sites that contain Indigenous forest resources, to the extent practicable.</p> <p>(2) Despite subsection (1), areas or sites containing Indigenous forest resources may be harvested or altered, provided that measures to identify and manage, or provide access to, the Indigenous forest resources have been developed through a process of First Nation engagement with applicable First Nations.</p>		

¹ At the time of FSP submission, affected First Nations include the Da'naxda'xw/Awaetlala First Nation, Dzawada'enuxw First Nation, Gwa'sala-'Nakwaxda'xw Nations, Gwawaenuk Tribe, K'omoks First Nation, Kwakiutl First Nation, Kwiakah First Nations, Kwikwasut'inuxw Haxwa'mis First Nation, Mamalilikulla First Nation, We Wai Kai First Nation, Wei Wai Kum First Nation, Xwemalhkwu (Homalco) First Nation; and the “Information Sharing Protocol” between the Nanwakolas Council Society and Western Forest Products Inc. remains in effect.

Forest Stewardship Plan

South Central Coast 2024-2029

Strategy – Indigenous Forest Resources

- As a **Strategy**, to comply with the Objective in Part 3, Division 2, s.5 of the **Order**, each **Holder** will follow the guidance contained under the header “Objective for Indigenous Forest Values” in s.2.2 of the **EBM Guidance**.

5.1.4 Indigenous Heritage Features

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 2, s.6	June 9, 2023
<p>(1) <i>Protect Type 1 Indigenous heritage features.</i></p> <p>(2) <i>Adjacent to Type 1 Indigenous heritage features, maintain a reserve zone with a minimum width of 200 metres and an outer edge designed to minimize risk of windthrow to protect the Type 1 Indigenous heritage feature.</i></p> <p>(3) <i>Despite subsections (1) and (2), a Type 1 Indigenous heritage feature and its reserve zone may be modified with the support of, or lack of objection from, the applicable First Nations.</i></p> <p>(4) <i>Despite subsections (2) and (3), a reserve zone may be modified when</i></p> <ol style="list-style-type: none"> <i>the modification is required for road access or other infrastructure or to address a safety concern, and there is no practicable alternative,</i> <i>alternative measures are implemented to avoid, mitigate or otherwise address impacts on the Type 1 Indigenous heritage feature, and</i> <i>the alternative measures have been developed through a process of First Nation engagement with applicable First Nations.</i> <p>(5) <i>Protect Type 2 Indigenous heritage features.</i></p> <p>(6) <i>Adjacent to Type 2 Indigenous heritage features, maintain a reserve zone with a minimum width of 1.5 tree lengths measured from the edge of the feature and an outer edge designed to minimize risk of windthrow and to protect the Type 2 Indigenous heritage feature.</i></p> <p>(7) <i>Despite subsections (5) and (6), a Type 2 Indigenous heritage feature and its reserve zone may be modified with the support of, or lack of objection from, the applicable First Nations.</i></p> <p>(8) <i>Despite subsections (6) and (7), the reserve zone may be modified when</i></p> <ol style="list-style-type: none"> <i>the modification is required for road access, other infrastructure, or to address a safety concern and there is no practicable alternative,</i> <i>alternative measures are implemented to avoid, mitigate or otherwise address impacts on the Type 2 Indigenous heritage feature, and</i> <i>the alternative measures have been developed through a process of First Nation engagement with applicable First Nations.</i> 		

Strategy – Indigenous Heritage Features

- As a **Strategy**, to comply with the Objective in Part 3, Division 2, s.6 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Indigenous Heritage Features” in s.2.2 of the **EBM Guidance**.

Forest Stewardship Plan

South Central Coast 2024-2029

5.1.5 Historical Culturally Modified Trees

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 2, s.7	June 9, 2023
<p>(1) <i>Protect historical culturally modified trees.</i></p> <p>(2) <i>Adjacent to historical culturally modified trees, maintain a management zone of sufficient width and design to protect the historical culturally modified trees from site-specific local hazards and windthrow.</i></p> <p>(3) <i>Despite subsections (1) and (2), historical culturally modified trees and their management zones may be altered or harvested if</i></p> <p style="padding-left: 40px;">(a) <i>the alteration or harvesting is required for road access or other infrastructure, or to address a safety concern, and there is no practicable alternative, or</i></p> <p style="padding-left: 40px;">(b) <i>protection of all historical culturally modified trees in the cutblock area would make harvesting economically unviable, provided that the plans to alter or harvest the historical culturally modified trees have been developed through a process of First Nation engagement with applicable First Nations.</i></p>		

Strategy – Historical Culturally Modified Trees

1. As a **Strategy**, to comply with the Objective in Part 3, Division 2, s.7 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Historical Culturally Modified Trees” in s.2.2 of the **EBM Guidance**.

5.1.6 Indigenous Trees Use

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 2, s.8	June 9, 2023
<p>(1) <i>Maintain a volume and quality, specified during First Nation engagement, of western redcedar, yellow cedar and other tree species to support the applicable First Nations’ present and future Indigenous tree use.</i></p> <p>(2) <i>In cedar stewardship areas, maintain, and recruit as necessary, monumental cedar, western redcedar and yellow cedar, specified during First Nation engagement, to support the applicable First Nations’ Indigenous tree use needs.</i></p> <p>(3) <i>Within development areas, retain monumental cedar and cultural cedar stands with windfirm buffers, specified during First Nation engagement, to support the applicable First Nations’ Indigenous tree use.</i></p> <p>(4) <i>Despite subsection (3), a monumental cedar and its windfirm buffer, or a cultural cedar stand, may be altered or harvested if</i></p>		

Forest Stewardship Plan

South Central Coast 2024-2029

- (a) the alteration or harvesting is required for road access or other infrastructure, or to address a safety concern, and there is no practicable alternative,
- (b) it has been determined by the applicable First Nation that the monumental cedar or cultural cedar stand is not suitable or is not required for a cultural cedar use, or
- (c) the monumental cedar or cedar from the cultural cedar stand will be provided to the applicable First Nation, provided that
- (d) retention of all monumental cedar and cultural cedar stands in the cutblock area would make harvesting economically unviable, and
- (e) the plans to alter or harvest the monumental cedar or cultural cedar stands have been developed through a process of First Nation engagement with applicable First Nations.

Strategy – Indigenous Trees Use

1. As a **Strategy**, to comply with the Objective in Part 3, Division 2, s.8 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Indigenous Tree Use” in s.2.2 of the **EBM Guidance**.

5.1.7 Retention of Western Yew

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 2, s.9	June 9, 2023
<ul style="list-style-type: none"> (1) Retain western yew trees. (2) Despite subsection (1), western yew trees may be altered or harvested if <ul style="list-style-type: none"> (a) alteration or harvesting is required to accommodate operational requirements for road and bridge construction and there is no practicable alternative, or (b) the retention of all western yew trees in a cutblock would make harvesting economically unviable, provided that (c) measures are implemented to provide for use of the altered or harvested western yew trees by applicable First Nations, and (d) the plans to alter or harvest the western yew trees have been developed through a process of First Nation engagement with applicable First Nations. (3) Where practicable, include western yew trees in stand retention. (4) All areas retained or managed in accordance with subsection (1), (2) or (3) must be documented and the documentation submitted by the licensee as digital spatial data at the end of each calendar year to the applicable First Nation and the Province of British Columbia. 		

Strategy – Retention of Western Yew

1. As a **Strategy**, to comply with the Objective in Part 3, Division 2, s.9 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Retention of Western Yew” in s.2.2 of the **EBM Guidance**.

Forest Stewardship Plan

South Central Coast 2024-2029

5.2 Land Allocation and Biodiversity Objectives

5.2.1 Managed Forest and Protected and Reserved Forest

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 1, Division 3, s.6	June 9, 2023
(1) Identify and maintain in the order area (a) a managed forest area of 550,032 hectares, and (b) a protected and reserved forest area that (i) continues to grow older over time subject to natural disturbance and non-forest tenure (ii) activity, and has an area of at least 3,108,876 hectares.		

Strategy – Managed Forest and Protected and Reserved Forest

- As a **Strategy**, to comply with the Objective in Part 1, Division 3, s.6 of the **Order**, each **Holder** will follow the guidance contained under the header “Objective for Managed Forest and Protected and Reserved Forests” in s.2.3 of the **EBM Guidance**.

5.2.2 Old Forest Maintenance and Recovery

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 1, Division 3, s.4	June 9, 2023
(2) Identify and maintain in the order area (a) a managed forest area of 550,032 hectares, and (b) a protected and reserved forest area that (i) continues to grow older over time subject to natural disturbance and non-forest tenure (ii) activity, and has an area of at least 3,108,876 hectares.		

Strategy – Old Forest Maintenance and Recovery

- As a **Strategy**, to comply with the Objective in Part 1, Division 3, s.4 of the **Order**, each **Holder** will follow the guidance contained under the header “Objective for Managed Forest and Protected and Reserved Forests” in s.2.3 of the **EBM Guidance**.

Forest Stewardship Plan

South Central Coast 2024-2029

5.2.3 Old Forest Maintenance and Recovery

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 1, Division 3, s.4 & Part 3, Division 4, s.16	June 9, 2023
<p><u>GBR Order, Part 1, Division 3, s.4</u></p> <p>(1) Maintain landscape level biodiversity as follows:</p> <ul style="list-style-type: none"> (a) for each site series group in the order area, maintain a distribution of forest stand ages that will achieve the old forest representation targets listed in Column A in Schedule G by no later than 2264; (b) for each site series group in the order area, retain an amount of old forest equal to or greater than the order area minimum old forest retention levels listed in Column B in Schedule G; (c) for the purposes of paragraphs (a) and (b), for each site series group in a landscape unit, retain a minimum of 30% of the total forest area of the site series group as old forest. <p>(2) Despite subsection (1)(c), alteration or harvesting of old forest in a site series group in a landscape unit may occur where less than 30% of the total forest area of the site series group in the landscape unit is old forest, provided that</p> <ul style="list-style-type: none"> (a) within the landscape unit area <ul style="list-style-type: none"> (i) the alteration or harvesting is required for road access or other infrastructure, or to address a safety concern, where there is no practicable alternative, or (ii) the lesser of 20% of the total forest area or the minimum old forest retention level specified in Schedule F is maintained as old forest, (b) the aggregate area of old forest in the order area harvested under paragraph (a) after January 28, 2016 does not exceed 18,650 hectares, and (c) the plans to alter or harvest old forest in a site series group in a landscape unit have been developed through a process of First Nation engagement with applicable First Nations. <p>(3) Where there is not enough old forest available to meet the targets in subsection (1)(b) and (c), or as a result of subsection (2), recruit forest to meet the old forest requirements by no later than 2264.</p> <p><u>GBR Order, Part 3, Division 4, s.16</u></p> <p>(1) Pursuant to section 4 (1) and (2) of Part 1, for each site series group in the South Central Coast area shown in Schedule C, up to 10% of the area required to meet the old forest representation targets specified in section 4 (1)(a) of Part 1 can be met</p> <ul style="list-style-type: none"> (a) in forest in a higher-level site series group in the same biogeoclimatic variant specified in Schedule L, or (b) in forest in an equal or higher-level site series group in a different biogeoclimatic variant in any of the four landscape units specified in schedule M, (c) where this results in an improved outcome for ecological integrity and Indigenous forest values. <p>(2) Pursuant to section 4 (1) and (2) of Part 1, for each site series group in the South Central Coast area shown in Schedule C, up to 10% of the area required to meet the minimum old forest retention level specified in section 4 (1)(c) or (2)(a) of Part 1 can be met</p> <ul style="list-style-type: none"> (a) in forest that is not old forest 		

PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

South Central Coast 2024-2029

<p>(i) in the same site series group, or</p> <p>(ii) in a higher level site series group specified in Schedule L, or</p> <p>(b) in old forest in a higher level site series group specified in Schedule L where this results in an improved outcome for ecological integrity and Indigenous forest values.</p> <p>(3) Pursuant to section 4 (1)(c) and (2)(a) of Part 1, for each site series group in the South Central Coast area where less than 30% of the site series group in a landscape unit is old forest, promote the restoration of landscape level biodiversity by reserving a minimum of 30% of the forest area in the site series group in a landscape reserve design.</p> <p>(4) Despite subsection (3), the minimum amount of forest area of a site series group retained in a landscape reserve design may be reduced to enable flexibilities in subsections (1)(a) and (b) and (2)(b), where this results in an improved outcome for ecological integrity and Indigenous forest values.</p> <p>(5) For the purposes of sections 4 and 5 of Part 1, where because of harvest history or landscape characteristics, or where it is not practicable to meet minimum old forest retention levels in a landscape reserve design,</p> <p>(a) forest that is not old forest may be included in the landscape reserve design, and</p> <p>(b) temporary old forest reserves may be established outside of the landscape reserve design, with an area sufficient to meet the landscape unit minimum old forest retention levels.</p>
--

Strategy – Old Forest Maintenance and Recovery

- As a **Strategy**, to comply with the Objective in Part 1, Division 3, s.4 and Part 3, Division 4, s.16 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Old Forest Maintenance and Recovery” in s.2.3 of the **EBM Guidance**.

5.2.4 Red Listed and Blue Listed Plant Communities

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 4, s.17	June 9, 2023
<p>(1) Protect each occurrence of a red-listed plant community during a primary forest activity in accordance with Schedule N.</p> <p>(2) Despite subsection (1), up to 5% of each occurrence of a red-listed plant community may be disturbed if</p> <p>(a) there is no practicable alternative for road access or other infrastructure, or to address a safety concern, and</p> <p>(b) the plans to disturb the red-listed plant community have been developed through a process of First Nation engagement with applicable First Nations.</p> <p>(3) Despite subsections (1) and (2), more than 5% of a red-listed plant community occurrence smaller than one hectare may be disturbed if it is necessary for critical road access, provided that</p> <p>(a) the total disturbance of that red-listed plant community in a landscape unit does not exceed 5%, and</p> <p>(b) the plans to further disturb the red-listed plant community have been developed through a process of First Nation engagement with applicable First Nations.</p>		

Forest Stewardship Plan

South Central Coast 2024-2029

(4) Reserve a minimum of 70% of each occurrence of a blue-listed plant community during a primary forest activity or reserve a minimum of 70% of the total area of each blue-listed plant community within a landscape unit in accordance with Schedule O.

Strategy – Red-Listed and Blue-Listed Plant Communities

- As a **Strategy**, to comply with the Objective in Part 3, Division 4, s.17 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Red-Listed and Blue-Listed Plant Communities” in s.2.3 of the **EBM Guidance**.

5.2.5 Landscape Reserve Design

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 1, Division 3, s.5	June 9, 2023
<p>(1) For each landscape unit in the order area, a landscape reserve design must be prepared by a qualified professional that addresses the minimum old forest retention levels specified in section 4(1)(c) and (2), and, to the extent practicable, contributes to</p> <ul style="list-style-type: none"> (a) the old forest representation targets specified in section 4(1)(a) and (b), (b) the protection and stewardship of Indigenous forest values, (c) the protection, connectivity and stewardship of red-listed plant communities, blue-listed plant communities, rare and at-risk ecosystems, habitat important for species at risk, ungulate winter range, and habitat for regionally important wildlife including, but not limited to, mountain goats, grizzly bears, black bears, northern goshawks, tailed frogs, and marbled murrelets, and (d) the protected and reserved forest area and the managed forest area specified in section 6(1). <p>(2) For the purposes of subsection (1)(a), the provisions of section 16 (1) and (2) of Part 3 apply.</p> <p>(3) No commercial timber harvesting is permitted in a landscape reserve design.</p>		

Strategy – Landcape Reserve Design

- As a **Strategy**, to comply with the Objective in Part 1, Division 3, s.5 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Landscape Reserve Design” in s.2.3 of the **EBM Guidance**.

5.2.6 Stand Retention

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 4, s.18	June 9, 2023

Forest Stewardship Plan

South Central Coast 2024-2029

- (1) *Maintain forest structure and diversity at the stand level by*
 - (a) *maintaining a minimum of 15% of a cutblock area as stand retention,*
 - (b) *distributing stand retention throughout the cutblock,*
 - (c) *maintaining more than 15% retention as necessary, considering cutblock size, landscape unit context and immediate landscape context, and*
 - (d) *managing windthrow.*
- (2) *To the extent practicable, include the following within stand retention:*
 - (a) *Indigenous forest values;*
 - (b) *habitat elements important for restoration of old forest;*
 - (c) *habitat elements important for wildlife.*

Strategy – Stand Retention

1. As a **Strategy**, to comply with the Objective in Part 3, Division 4, s.18 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Stand Retention” in s.2.3 of the **EBM Guidance**.

5.3 Objectives for Aquatic Habitat and Riparian Forest

5.3.1 Important Fisheries Watersheds

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 3, s.10	June 9, 2023
<p>(1) <i>Within each of the important fisheries watersheds shown in Schedule E, prior to declaring areas or applying for a cutting authority, ensure that</i></p> <ul style="list-style-type: none"> (a) <i>a watershed assessment or similar assessment of watershed sensitivity to forest development disturbance is completed by a qualified professional,</i> (b) <i>an amount, type and distribution of forest cover sufficient to sustain natural hydrological and fluvial processes within the watershed is maintained,</i> (c) <i>the effectiveness of the management strategies implemented pursuant to paragraph (b) is monitored, and</i> (d) <i>the watershed assessment and management strategies have been developed through a process of First Nation engagement with applicable First Nations.</i> <p>(2) <i>Despite subsection (1), forest stewardship plan holders may apply for a cutting authority in an important fisheries watershed if</i></p> <ul style="list-style-type: none"> (a) <i>a preliminary watershed assessment indicates no adverse impact on fish habitat, stream flow quality and quantity, or other watershed health indicators, and</i> (b) <i>applicable First Nations support, or do not object to, the application.</i> 		

Strategy – Important Fisheries Watersheds

1. As a **Strategy**, to comply with the Objective in Part 3, Division 3, s.10 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Important Fisheries Watersheds” in s.2.4 of the **EBM Guidance**.

Forest Stewardship Plan

South Central Coast 2024-2029

5.3.2 Type 1 Aquatic Habitat

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 3, s.11	June 9, 2023
<p>(1) <i>Protect and maintain type 1 aquatic habitat other than stream crossings by, within or adjacent to cutblocks and roads, maintaining an adjacent reserve zone with a minimum width of 1.5 tree lengths and an outer edge designed to minimize risk of windthrow.</i></p> <p>(2) <i>Despite subsection (1), the width of a reserve zone may be decreased at specific locations to address site characteristics and values, provided that</i></p> <p style="margin-left: 40px;">(a) <i>the decrease is no more than 0.5 tree lengths, and</i></p> <p style="margin-left: 40px;">(b) <i>there is no net loss of reserve zone area required by subsection (1) within or adjacent to the cutblock.</i></p> <p>(3) <i>Despite subsections (1) and (2), the width of the reserve zone may be decreased by more than 0.5 tree lengths provided that</i></p> <p style="margin-left: 40px;">(a) <i>there is no net loss of reserve zone area required by subsection (1),</i></p> <p style="margin-left: 40px;">(b) <i>assessments have been prepared by a qualified professional that specify measures</i></p> <p style="margin-left: 80px;">(i) <i>to maintain the geomorphic and hydroriparian characteristics of the stream channel,</i></p> <p style="margin-left: 80px;">(ii) <i>to maintain the life cycle needs of fish in affected stream reaches,</i></p> <p style="margin-left: 80px;">(iii) <i>to maintain local terrestrial habitat needs and linkages to other reserves, and</i></p> <p style="margin-left: 80px;">(iv) <i>to minimize loss of trees in the reserve zone from windthrow,</i></p> <p style="margin-left: 40px;">(c) <i>the measures in paragraph (b) are implemented, and</i></p> <p style="margin-left: 40px;">(d) <i>the plans to decrease the width of the reserve zone have been developed through a process of First Nation engagement with applicable First Nations.</i></p> <p>(4) <i>Despite subsections (1), (2) and (3), for type 1 aquatic habitat that is not on an active fluvial unit, a forest stewardship plan may provide for riparian reserve zones in accordance with Schedule K, provided that</i></p> <p style="margin-left: 40px;">(a) <i>there has been First Nation engagement with applicable First Nations resulting in the support of, or lack of objection from, the applicable First Nations,</i></p> <p style="margin-left: 40px;">(b) <i>indicators to be tracked have been identified and strategies are in place to evaluate the effectiveness of the recommended riparian strategies, and</i></p> <p style="margin-left: 40px;">(c) <i>the indicators and strategies in paragraph (b) have been developed through a process of First Nation engagement with applicable First Nations.</i></p> <p>(5) <i>Despite subsections (1), (2) and (3), for the lower portion of the Klinaklini River and its tributaries identified in Schedule P, and for the lower portion of Viner Creek identified in Schedule P, maintain a reserve zone with a width of 100 metres on each side of the natural boundary, unless there is no practicable alternative for future road access or other infrastructure, or to address a safety concern, except with respect to existing road access and infrastructure.</i></p> <p>(6) <i>Where some or all of the forest required under subsection (1) or (2) has been previously altered or harvested, to the extent practicable, recruit or create functional riparian forest in the reserve zone in the shortest time practicable.</i></p>		

Strategy – Type 1 Aquatic Habitat

Forest Stewardship Plan

South Central Coast 2024-2029

1. As a **Strategy**, to comply with the Objective in Part 3, Division 3, s.11 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Type 1 Aquatic Habitat” in s.2.4 of the **EBM Guidance**.

5.3.3 Type 2 Aquatic Habitat

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 3, s.12	June 9, 2023
<p>(1) <i>Maintain the natural ecological function of type 2 aquatic habitat except for stream crossings by, within or adjacent to cutblocks and roads, retaining 90% of the forest in an adjacent management zone with a minimum width of 1.5 tree lengths and an outer edge designed to minimize risk of windthrow.</i></p> <p>(2) <i>Despite subsection (1), the width of the management zone in any cutblock may be decreased by up to 0.5 tree lengths to address site characteristics and values, provided there is no net loss of management zone area within the cutblock.</i></p> <p>(3) <i>Despite subsections (1) and (2), the width of the management zone may be increased or decreased by more than 0.5 tree lengths and alteration or harvesting within the management zone may occur, provided that</i></p> <p style="padding-left: 40px;">(a) <i>there is no net loss of management zone area required by subsection (1) in the cutblock,</i></p> <p style="padding-left: 40px;">(b) <i>an assessment has been prepared by a qualified professional that specifies measures</i></p> <p style="padding-left: 80px;">(i) <i>to maintain the geomorphic and hydroriparian characteristics of the stream channel,</i></p> <p><i>to maintain the life cycle needs of fish in affected stream reaches,</i></p> <p><i>to maintain local terrestrial habitat needs and linkages to other reserves, and</i></p> <p><i>to minimize loss of trees in the management zone from windthrow,</i></p> <p style="padding-left: 40px;">(c) <i>the measures required by paragraph (b) are implemented, and</i></p> <p style="padding-left: 40px;">(d) <i>the plans to increase or decrease the width of the management zone by more than 0.5 tree lengths and have alteration or harvesting within the management zone have been developed through a process of First Nation engagement with applicable First Nations.</i></p> <p>(4) <i>(4) Despite subsections (1), (2) and (3), for type 2 aquatic habitat that is not on an active fluvial unit, a forest stewardship plan may provide for riparian management zones in accordance with Schedule K, provided that</i></p> <p style="padding-left: 40px;">(a) <i>there has been First Nation engagement with applicable First Nations resulting in the support of, or lack of objection from, the applicable First Nations,</i></p> <p style="padding-left: 40px;">(b) <i>indicators to be tracked have been identified and strategies are in place to evaluate the effectiveness of the recommended riparian strategies, and</i></p> <p style="padding-left: 40px;">(c) <i>the indicators and strategies in paragraph (b) have been developed through a process of First Nation engagement with applicable First Nations.</i></p> <p>(5) <i>Where some or all of the forest required in subsection (1) or (4) has been previously altered or harvested, to the extent practicable, recruit or create functional riparian forest in the management zone or riparian management area in the shortest time practicable.</i></p>		

Strategy – Type 1 Aquatic Habitat

Forest Stewardship Plan

South Central Coast 2024-2029

- As a **Strategy**, to comply with the Objective in Part 3, Division 3, s.12 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Type 2 Aquatic Habitat” in s.2.4 of the **EBM Guidance**.

5.3.4 Forested Swamps

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 3, s.13	June 9, 2023
<p>(1) <i>Maintain the ecological characteristics and function of forested swamps.</i></p> <p>(2) <i>Adjacent to forested swamps greater than 0.25 hectares, retain 70% of the functional riparian forest in a management zone with a minimum width of 1.5 tree lengths and an outer edge designed to minimize risk of windthrow.</i></p> <p>(3) <i>Despite subsection (2), the width of the management zone adjacent to a forested swamp may be decreased by up to 0.5 tree lengths to address site-specific characteristics and values.</i></p> <p>(4) <i>Despite subsections (2) and (3), the width of the management zone may be decreased by more than 0.5 tree lengths and additional harvesting within the management zone may occur, provided that</i></p> <p style="padding-left: 40px;">(a) <i>a forested swamp assessment has been prepared by a qualified professional that specifies measures</i></p> <p style="padding-left: 80px;">(i) <i>to maintain local terrestrial habitat needs and linkages to other reserves, and</i></p> <p style="padding-left: 80px;">(ii) <i>to minimize loss of trees in the management zone from windthrow,</i></p> <p style="padding-left: 40px;">(b) <i>the measures in paragraph (a) are implemented, and</i></p> <p style="padding-left: 40px;">(c) <i>the plans to decrease the width of the management zone and have additional harvesting within the management zone have been developed through a process of First Nation engagement with applicable First Nations.</i></p> <p>(5) <i>Where some or all of the forest within the management zone required by subsection (2), (3) or (4) has been previously altered or harvested, to the extent practicable, recruit or create functional riparian forest in the management zone in the shortest time practicable.</i></p>		

Strategy – Forested Swamps

- As a **Strategy**, to comply with the Objective in Part 3, Division 3, s.13 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Forested Swamps” in s.2.4 of the **EBM Guidance**.

5.3.5 Upland Stream Areas

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 3, s.14	June 9, 2023

Forest Stewardship Plan

South Central Coast 2024-2029

- (1) *Maintain the hydrologic and hydrogeomorphic processes in watershed planning units within the range of natural variation by maintaining a minimum of 70% of the forest in the upland stream area as functional riparian forest.*
- (2) *For the purposes of subsection (1), to the extent practicable, preferentially retain the functional riparian forest to create windfirm reserves and management zones adjacent to streams in the upland stream area that*
 - (a) *are located upstream from type 1 aquatic habitat or type 2 aquatic habitat,*
 - (b) *have sensitive hydrogeomorphic attributes,*
 - (c) *are stream reaches with known tailed frog habitat, or*
 - (d) *have unique microclimate or other rare ecological characteristics.*
- (3) *Despite subsections (1) and (2), an alternative plan to maintain hydrologic and hydrogeomorphic processes in a watershed planning unit within the range of natural variability may be prepared as a result of a watershed assessment conducted by a qualified professional, consistent with professional practice guidelines, provided that*
 - (a) *the effectiveness of strategies implemented in accordance with the plan under this subsection is monitored,*
 - (b) *the watershed assessment and plan are updated to reflect the results of such monitoring, and*
 - (c) *the strategy has been developed through a process of First Nation engagement with applicable First Nations.*

Strategy – Upland Stream Areas

1. As a **Strategy**, to comply with the Objective in Part 3, Division 3, s.14 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Upland Streams” in s.2.4 of the **EBM Guidance**.

5.3.6 Active Fluvial Units

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 3, s.15	June 9, 2023
<ol style="list-style-type: none"> (1) <i>Reserve all forest on active fluvial units.</i> (2) <i>Adjacent to active fluvial units, retain a minimum of 90% of the forest in a management zone with an average width of 1.5 tree lengths.</i> (3) <i>Despite subsections (1) and (2), forest on an active fluvial unit may be altered or harvested, and less than 90% of the forest in the management zone may be retained, to allow for road access or to address a safety concern, provided that</i> <ol style="list-style-type: none"> (a) <i>(a) there is no practicable alternative to access a development area,</i> (b) <i>(b) an active fluvial unit assessment has been prepared by a qualified professional that</i> <ol style="list-style-type: none"> (i) <i>specifies measures to maintain stream flow patterns and flow capacity and geomorphic stability of the active fluvial unit for roads or other infrastructure, or</i> (ii) <i>where the removal of four or more live trees is proposed for safety reasons, provides an assessment of the potential impact on geomorphic stability,</i> (c) <i>the measures in paragraph (b) are implemented in a manner that will maintain the flow patterns, flow capacity and geomorphic stability of the active fluvial unit, and</i> 		

PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

South Central Coast 2024-2029

(d) the plans to alter or harvest an active fluvial unit or to retain less than 90% of the forest in the management zone have been developed through a process of First Nation engagement with applicable First Nations.

(4) Where some or all of the forest required to be retained by subsections (1) and (2) has been previously altered or harvested, to the extent practicable, recruit or create functional riparian forest on the active fluvial unit in the shortest time practicable.

Strategy – Upland Stream Areas

1. As a **Strategy**, to comply with the Objective in Part 3, Division 3, s.15 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Active Fluvial Units” in s.2.4 of the **EBM Guidance**.

5.4 Objectives for Wildlife Habitat

5.4.1 Grizzly Bear Habitat

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 5, s.19	June 9, 2023
<p>(1) Maintain 100% of class 1 grizzly bear habitat</p> <p style="margin-left: 20px;">(a) shown in Schedule D, or</p> <p style="margin-left: 20px;">(b) identified in the field by a qualified professional.</p> <p>(2) Maintain a minimum of 50% of class 2 grizzly bear habitat</p> <p style="margin-left: 20px;">(a) shown in Schedule D, or</p> <p style="margin-left: 20px;">(b) identified in the field by a qualified professional, and that provides a mix of habitat type, seasonal value, and distribution within a watershed or landscape unit.</p> <p>(3) Despite subsection (1), class 1 grizzly bear habitat may be altered or harvested, provided that</p> <p style="margin-left: 20px;">(a) a qualified professional</p> <p style="margin-left: 40px;">(i) completes an assessment that identifies the characteristics of the habitat and linkages, where appropriate, to other grizzly bear habitat, and</p> <p style="margin-left: 40px;">(ii) confirms that the alteration or harvesting will result in no net loss of class 1 grizzly bear habitat and connectivity and no functional loss of habitat connectivity,</p> <p style="margin-left: 20px;">(b) measures are implemented that will ensure the alteration or harvesting will not cause a material adverse impact to the suitability of the class 1 grizzly bear habitat, and</p> <p style="margin-left: 20px;">(c) the plans to alter or harvest class 1 grizzly bear habitat have been developed through a process of First Nation engagement with applicable First Nations.</p> <p>(4) Despite subsection (1), class 1 grizzly bear habitat may be altered or harvested for road access or other infrastructure, or to address a safety concern, provided that</p> <p style="margin-left: 20px;">(a) there is no practicable alternative for road access or other infrastructure, or the alteration or harvesting is required to address a safety concern,</p> <p style="margin-left: 20px;">(b) that the road right-of-way clearing width is the minimum safe width necessary to accommodate the road,</p>		

Forest Stewardship Plan

South Central Coast 2024-2029

- (c) *measures are implemented that, to the extent practicable, will ensure the alteration or harvesting will not cause a material adverse impact to the suitability of the class 1 grizzly bear habitat, and*
- (d) *the plans to alter or harvest class 1 grizzly bear habitat have been developed through a process of First Nation engagement with applicable First Nations.*
- (5) *All identified grizzly bear habitat polygons must be documented and the documentation submitted to the applicable First Nations and the Province of British Columbia at the end of each calendar year.*

Strategy – Grizzly Bear Habitat

1. As a **Strategy**, to comply with the Objective in Part 3, Division 5, s.19 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Grizzly Bear Habitat” in s.2.5 of the **EBM Guidance**.

5.4.2 Grizzly Bear Dens

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 5, s.20	June 9, 2023
<ul style="list-style-type: none"> (1) <i>Protect grizzly bear dens.</i> (2) <i>Adjacent to grizzly bear dens, maintain a reserve zone with a minimum width of 50 metres.</i> (3) <i>Despite subsections (1) and (2), alteration or removal of a grizzly bear den or its reserve zone, or both, may occur, provided that</i> <ul style="list-style-type: none"> (a) <i>the alteration or removal is required for road access or to address a safety concern and there is no practicable alternative,</i> (b) <i>the alteration or removal does not occur during the winter hibernation season, and</i> (c) <i>the plans to alter or remove a grizzly bear den or reserve zone have been developed through a process of First Nation engagement with applicable First Nations.</i> (4) <i>Adjacent to any reserve zone required by subsection (2), maintain a management zone with an average width equal to 1.0 tree lengths, measured from the outer edge of the reserve zone, to protect the integrity of the reserve zone.</i> (5) <i>Within the management zone required by subsection (4), alteration or removal of trees may occur outside of the winter hibernation season to</i> <ul style="list-style-type: none"> (a) <i>accommodate operational requirements for road and bridge construction, if there is no practicable alternative,</i> (b) <i>accommodate road maintenance and deactivation, the removal of danger trees, and brushing and clearing within the right-of-way, for safety purposes, on any existing road under active tenure, or</i> (c) <i>mitigate the impact of windthrow,</i> <i>provided that the plans to alter or remove trees have been developed through a process of First Nation engagement with applicable First Nations.</i> (6) <i>All found grizzly bear dens must be documented and the documentation submitted to the applicable First Nations and the Province of British Columbia at the end of each calendar year.</i> 		

Forest Stewardship Plan

South Central Coast 2024-2029

Strategy – Grizzly Bear Dens

1. As a **Strategy**, to comply with the Objective in Part 3, Division 5, s.20 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Grizzly Bear Dens” in s.2.5 of the **EBM Guidance**.

5.4.3 Black Bear Dens

OBJECTIVE SOURCE: GREAT BEAR RAINFOREST LAND USE OBJECTIVES ORDER		
Type	Source	Effective Date of Objective
Land Act, s.93.4	Great Bear Rainforest Land Use Objectives Order, Part 3, Division 5, s.21	June 9, 2023
<p>(1) <i>Protect black bear dens.</i></p> <p>(2) <i>Adjacent to black bear dens, maintain a reserve zone with a minimum width of 30 metres.</i></p> <p>(3) <i>Despite subsections (1) and (2), alteration or removal of a black bear den or its reserve zone, or both, may occur, provided that</i></p> <p style="padding-left: 40px;">(a) <i>alteration or removal is required for road access or to address a safety concern and there is no practicable alternative,</i></p> <p style="padding-left: 40px;">(b) <i>the alteration or removal does not occur during the winter hibernation season, and</i></p> <p style="padding-left: 40px;">(c) <i>the plans to alter or remove a black bear den or reserve zone have been developed through a process of First Nation engagement with applicable First Nations.</i></p> <p>(4) <i>Adjacent to any reserve zone required by subsection (2), maintain a management zone of sufficient width and design to protect the integrity of the black bear den and the reserve zone.</i></p> <p>(5) <i>Within the management zone required by subsection (4), alteration or removal of trees may occur outside of the winter hibernation season to</i></p> <p style="padding-left: 40px;">(a) <i>accommodate operational requirements for road and bridge construction, if there is no practicable alternative,</i></p> <p style="padding-left: 40px;">(b) <i>accommodate road maintenance and deactivation, the removal of danger trees, and brushing and clearing within the right-of-way, for safety purposes, on any existing road under active tenure, or</i></p> <p style="padding-left: 40px;">(c) <i>mitigate the impact of windthrow, provided that the plans to alter or remove trees have been developed through a process of First Nation engagement with applicable First Nations.</i></p> <p>(6) <i>Where practicable, include suitable future and additional black bear denning habitat in management zones and in stand retention.</i></p> <p>(7) <i>All found black bear dens must be documented and the documentation submitted to the applicable First Nations and the Province of British Columbia at the end of each calendar year.</i></p>		

Strategy – Black Bear Dens

1. As a **Strategy**, to comply with the Objective in Part 3, Division 5, s.21 of the **Order**, each **Holder** will follow the guidance contained under the header “Objectives for Black Bear Dens” in s.2.5 of the **EBM Guidance**.

Forest Stewardship Plan

South Central Coast 2024-2029

6. FRPA Values and Results or Strategies

6.1 Soils

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Type	Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.5	January 31, 2004
<i>The objective set by government for soils is, without unduly reducing the supply of timber from British Columbia's forests, to conserve the productivity and the hydrologic function of soils.</i>		

6.1.1 Soil Disturbance Limits

Exemption from Result or Strategy – FPPR s.5

- For the purposes of **FPPR s.12.1(1)**, each **Holder** undertakes to comply with **FPPR s.35**, and is exempt from specifying an intended **Result** or **Strategy**.

6.1.2 Permanent Access Structures Limits

Definitions for the Purposes of s.6.1.2 of this FSP

“**Cutblock**” means the total area specified in a cutblock site plan.

Exemption from Result or Strategy – FPPR s.5

- For the purposes of **FPPR s.12.1(1)**, each **Holder** undertakes to comply with **FPPR s.36**, and is exempt from specifying an intended **Result** or **Strategy**.

6.2 Timber

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.6	January 31, 2004
<i>The objectives set by government for timber are to</i> <ol style="list-style-type: none"> <i>maintain or enhance an economically valuable supply of commercial timber from British Columbia's forests,</i> <i>ensure that delivered wood costs, generally, after considering the effect on them of the relevant provisions of this regulation and of the Act, are competitive in relation to equivalent costs in relation to regulated primary forest activities in other jurisdictions, and</i> <i>ensure that the provisions of this regulation and of the Act that pertain to primary forest activities do not unduly constrain the ability of a holder of an agreement under the Forest Act to exercise the holder's rights under the agreement.</i> 		

Forest Stewardship Plan

South Central Coast 2024-2029

Exemption from Result or Strategy – FPPR s.6

1. In accordance with **FPPR s.12(8)**, each **Holder** is exempt from the requirement to prepare a **Result** or **Strategy** for an objective set by government for timber in **FPPR s.6**.

6.3 Wildlife

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.7	January 31, 2004
<ol style="list-style-type: none"> 1. <i>The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for</i> <ol style="list-style-type: none"> a) <i>the survival of species at risk,</i> b) <i>the survival of regionally important wildlife, and</i> c) <i>the winter survival of specified ungulate species.</i> 2. <i>A person required to prepare a forest stewardship plan must specify a result or strategy in respect of the objective stated under subsection (1) only if the minister responsible for the Wildlife Act gives notice to the person of the applicable</i> <ol style="list-style-type: none"> a) <i>species referred to in subsection (1), and</i> b) <i>indicators of the amount, distribution and attributes of wildlife habitat described in subsection (1).</i> 3. <i>If satisfied that the objective set out in subsection (1) is addressed, in whole or in part, by an objective in relation to a wildlife habitat area or an ungulate winter range, a general wildlife measure, or a wildlife habitat feature, the minister responsible for the Wildlife Act must exempt a person from the obligation to specify a result or strategy in relation to the objective set out in subsection (1) to the extent that the objective is already addressed.</i> 4. <i>On or after December 31, 2004, a notice described in subsection (2) must be given at least 4 months before the forest stewardship plan is submitted for approval.</i> 		

6.3.1 Species at Risk

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 17/2004 s.11(1)	Order – Categories of Species at Risk (2004)	May 6, 2004
BC Reg. 582/2004 s.13(1)	Order – Categories of Species at Risk (2011 Update)	July 18, 2011
BC Reg. 14/2004 s.7(2)	Notice – Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Survival of the Species at Risk in the Campbell River Forest District. [northern goshawk, marbled murrelet, red-	July 27, 2004

PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

South Central Coast 2024-2029

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
	legged frog, Keen's long-eared myotis, great blue heron, coastal tailed frog]	
BC Reg. 14/2004 s.7(2)	Notice – Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Survival of the Species at Risk in the North Island – Central Coast Forest District. [northern goshawk, marbled murrelet, coastal tailed frog, grizzly bear, great blue heron]	March 2, 2006

Definitions for the purposes of s.6.3.1 of this FSP

“**DCR s.7 Notice**” means the “Notice - Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Survival of the Species at Risk in the Campbell River Forest District” (2004).

“**DNI s.7 Notice**” means the “Notice – Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Survival of the Species at Risk in the North Island – Central Coast Forest District” (2006).

“**Non-Contributing Landbase (NCLB)**” means that portion of the forest management land-base assumed to be unavailable for harvesting, given objectives for all forest values.

6.3.1.1 Northern Goshawk (*Accipiter gentilis laingi*)

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 582/2004 ss.9(2) and 10(1)	Government Actions Regulation Order, Wildlife Habitat Areas, Northern Goshawks, <u>North Island-Central Coast and Campbell River Forest District Wildlife Habitat Areas</u>	November 28, 2018

Exemption from Result or Strategy – Northern Goshawk (DCR and DNI)

1. Pursuant to **FPPR s.7(3)**, each **Holder** is exempt from specifying a **Result** or **Strategy** for the survival of Northern Goshawk. Each **Holder** will comply with General Wildlife Measures associated with the applicable **WHA** Orders.

Forest Stewardship Plan

South Central Coast 2024-2029

6.3.1.2 Red-Legged Frog (*Rana aurora*)

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 582/2004 ss.9(2) and 10(1).	Order – Wildlife Habitat Areas – WHA 1-481, I-482, I-483, 1-484, I-485, I-486 Red-legged Frogs, Campbell River Natural Resource District	April 1, 2014

Exemption from Result or Strategy – Red-Legged Frog (DCR)

1. Pursuant to **FPPR** s.7(3), each **Holder** is exempt from specifying a **Result** or **Strategy** for the survival of Red-Legged Frog. Each **Holder** will comply with General Wildlife Measures associated with the applicable **WHA** Orders.

6.3.1.3 Marbled Murrelet (*Brachyramphus marmoratus*)

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004 s.7(2)	Notice – Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Survival of Marbled Murrelet (<i>Brachyramphus marmoratus</i>)	December 2, 2021
<p><i>This notice rescinds the following paragraphs for Marbled Murrelet (<i>Brachyramphus marmoratus</i>) in Schedule 1 of the following section 7(2) and section 9(3) notices:</i></p> <ul style="list-style-type: none"> • Paragraph 2, July 27, 2004 notice for the Campbell River Forest District • Paragraph 3, March 2, 2006 notice for the North Island Central Coast Forest District <p><i>Suitable habitat within approved Wildlife Habitat Areas is included in the indicators of the amount, distribution and attributes for each of the species outlined in Schedule 1. As per section 7(3) of the Forest Planning and Practices Regulation, forest tenure holders are exempt from the obligation to specify a result or strategy in relation to the objective set out in section 7(1) of the Forest Planning and Practices Regulation, for approved Wildlife Habitat Areas.</i></p>		

Exemption from Result or Strategy – Marbled Murrelet (DCR and DNI)

1. Pursuant to **FPPR** s.7(3), each **Holder** is exempt from specifying a **Result** or **Strategy** for the survival of Marbled Murrelet. Each **Holder** will comply with General Wildlife Measures associated with the applicable **WHA** Orders.

6.3.1.4 Great Blue Heron (*Ardea herodias fannini*)

Strategy – Great Blue Heron (DCR)

Forest Stewardship Plan

South Central Coast 2024-2029

1. To comply with s.5 of Schedule 1 of the **DCR s.7 Notice**, as a **Strategy**, each **Holder** will maintain suitable habitat with attributes required in the **DCR s.7 Notice** which will update as new **WHAs** that are subsequently established are subtracted from the amount.

Strategy – Great Blue Heron (DNI)

2. To comply with s.2 of Schedule 1 of the **DNI s.7 Notice**, as a **Strategy**, each **Holder** will maintain suitable habitat with attributes required in the **DNI s.7 Notice** which will update as new **WHAs** that are subsequently established are subtracted from the amount.

6.3.1.5 Coastal Tailed Frog (*Ascaphus truei*)

Strategy – Coastal Tailed Frog (DCR)

1. To comply with s.6 of Schedule 1 of the **DCR s.7 Notice**, as a **Strategy**, each **Holder** will maintain suitable habitat with attributes required in the **DCR s.7 Notice** which will update as new **WHAs** that are subsequently established are subtracted from the amount.

Strategy – Coastal Tailed Frog (DNI)

2. To comply with s.1 of Schedule 1 of the **DNI s.7 Notice**, as a **Strategy**, each **Holder** will maintain suitable habitat with attributes required in the **DNI s.7 Notice** which will update as new **WHAs** that are subsequently established are subtracted from the amount.

6.3.1.6 Keen’s Long-Eared Myotis (*Myotis Keenii*)

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 582/2004 ss.9(2) and 10(1)	ORDER - WILDLIFE HABITAT AREAS, WHA 1-391, 1-392 and 1-395 - Keen’s Long-eared Myotis, Campbell River and North Island Central Coast Natural Resource District	April 1, 2014

Exemption from Result or Strategy – Keen’s Long-Eared Myotis (DCR)

1. Pursuant to **FPPR s.7(3)**, each **Holder** is exempt from specifying a **Result** or **Strategy** for the survival of Keen’s Long-Eared Myotis. Each **Holder** will comply with General Wildlife Measures associated with the applicable **WHA** Orders.

6.3.1.7 Grizzly Bear (*Ursus arctos*)

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 582/2004 ss.9(2) and 10(1)	Order – Wildlife Habitat Areas in the Ministry of Environment Region 5, North Island-Central Coat Forest District, Mid-Coast TSA	February 27, 2007

Forest Stewardship Plan

South Central Coast 2024-2029

Strategy – Grizzly Bear (DNI)

- To comply with s.5 of Schedule 1 of the **DNI s.7 Notice**, as a **Strategy**, each **Holder** will maintain suitable habitat with attributes required in the **DNI s.7 Notice** which will update as new **WHAs** that are subsequently established are subtracted from the amount. Each **Holder** will comply with General Wildlife Measures associated with the applicable **WHA** Orders.

6.3.2 Winter Survival of Specified Ungulate Species

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	Forest Planning and Practices Regulation, s.7	October 17, 2004
<ol style="list-style-type: none"> <i>The objective set by government for wildlife is, without unduly reducing the supply of timber from British Columbia's forests, to conserve sufficient wildlife habitat in terms of amount of area, distribution of areas and attributes of those areas, for</i> <ol style="list-style-type: none"> <i>the survival of species at risk,</i> <i>the survival of regionally important wildlife, and</i> <i>the winter survival of specified ungulate species.</i> <i>A person required to prepare a forest stewardship plan must specify a result or strategy in respect of the objective stated under subsection (1) only if the minister responsible for the Wildlife Act gives notice to the person of the applicable</i> <ol style="list-style-type: none"> <i>species referred to in subsection (1), and</i> <i>indicators of the amount, distribution and attributes of wildlife habitat described in subsection (1).</i> <i>If satisfied that the objective set out in subsection (1) is addressed, in whole or in part, by an objective in relation to a wildlife habitat area or an ungulate winter range, a general wildlife measure, or a wildlife habitat feature, the minister responsible for the Wildlife Act must exempt a person from the obligation to specify a result or strategy in relation to the objective set out in subsection (1) to the extent that the objective is already addressed.</i> 		

6.3.2.1 Winter Survival of Specified Ungulate Species - Black-Tailed Deer (*Odocoileus hemionus columbianus*), Roosevelt Elk (*Cervus elaphus roosevelti*), Moose (*Alces alces*) and Mountain Goat (*Oreamnus americanus*)

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 582/2004 ss.9(1-2) and 12(1)	"Order – Ungulate Winter Range #U-1-003" for TFL 25 Block 2	May 23, 2006

Forest Stewardship Plan

South Central Coast 2024-2029

Exemption from Result or Strategy – “Order – Ungulate Winter Range #U-1-003” for TFL 25 Block 2

1. Pursuant to **FPPR** s.7(3), each **Holder** is exempt from specifying a **Result** or **Strategy** for the survival of ungulate species in TFL 25 Block 2. Each **Holder** will comply with General Wildlife Measures associated with the applicable **UWR** Orders.

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 582/2004 ss.9(1), 9(2) and 12(1)	“Amended Order – Ungulate Winter Range #U1-011” for the Kingcome TSA	March 17, 2009

Exemption from Result or Strategy – “Amended Order – Ungulate Winter Range #U1-011” for Kingcome TSA

2. Pursuant to **FPPR** s.7(3), each **Holder** is exempt from specifying a **Result** or **Strategy** for the survival of ungulate species in the Kingcome TSA. Each **Holder** will comply with General Wildlife Measures associated with the applicable **UWR** Orders.

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/04 s.7(2)	“Notice – Indicators of the Amount, Distribution and Attributes of Wildlife Habitat Required for the Winter Survival of Ungulate Species in the Mid Coast Timber Supply Area”	March 17, 2009

No Result or Strategy Required – Mid Coast TSA

3. No **Result** or **Strategy** is required for the for the survival of ungulate species in the Mid Coast TSA. The total amount specified in the Section 7 Notice is managed as a forest cover constraint, or contained in the **NCLB**. Each **Holder** will comply with General Wildlife Measures associated with the applicable **UWR** Orders.

No Result or Strategy Required – TFL 39 Block 3 (Portion)

4. There is no Section 7 Notice for the survival of ungulate species for TFL 39 Block 3. No **Result** or **Strategy** is required.

No Result or Strategy Required – TFL 39 Block 5

5. There is no Section 7 Notice for the survival of ungulate species for TFL 39 Block 5. No **Result** or **Strategy** is required.

Forest Stewardship Plan

South Central Coast 2024-2029

6.4 Water, Fish, Wildlife and Biodiversity within Riparian Areas

6.4.1 Water, Fish, Wildlife and Biodiversity within Riparian Areas

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.8	January 31, 2004
<i>The objective set by government for water, fish, wildlife and biodiversity within riparian areas is, without unduly reducing the supply of timber from British Columbia's forests, to conserve, at the landscape level, the water quality, fish habitat, wildlife habitat and biodiversity associated with those riparian areas.</i>		

Exemption from Result or Strategy – Objective set by government for water, fish, wildlife and biodiversity within riparian areas (FPPR ss.8)

1. For the purposes of **FPPR s.12.1(2)**, each **Holder** undertakes to comply with **FPPR ss.47 to 51, 52(2) and 53**, and is exempt from specifying an intended **Result** or **Strategy**.

6.4.2 Retention of Trees in a Riparian Management Zone

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.12(3)	January 31, 2004
<i>(3) Despite section 12.1 (2) and (6), a person who prepares a forest stewardship plan must specify in it, for the objective set out in section 8, a result or strategy that addresses retention of trees in a riparian management zone.</i>		

Strategy – FPPR s.12(3)

1. For the purposes of **FPPR s.12(3)**, as a **Strategy**, to address the retention of trees in a riparian management zone, each **Holder** will:
 - a. Ensure that prior to harvesting, retention levels within RMZs are determined by a qualified professional through a riparian assessment that considers:
 - i. All the factors listed in Schedule 1, s.2 of the **FPPR**; and
 - ii. Potential site-specific safety and operational issues;
 - b. Design cutblocks and roads in a manner that is consistent with the retention levels as determined by the qualified professional as described in s.1.a;
 - c. Minimize new coarse woody debris and sediment inputs into streams to the extent practicable; and
 - d. Plan and conduct **Primary Forest Activities** consistent with the assessment and design in this **Strategy**.

Forest Stewardship Plan

South Central Coast 2024-2029

6.5 Fish Habitat in Fisheries Sensitive Watersheds

No Result or Strategy Required– FPPR s.8.1

1. No Fisheries Sensitive Watersheds identified in **FPPR** Schedule 2 exist within the **Plan** area. No **Result** or **Strategy** is required for this objective. See section 5.3 of this **Plan**, regarding aquatic habitat.

6.6 Water in Community Watersheds

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 240/2009	FPPR s.8.2	October 22, 2009
<ol style="list-style-type: none"> 1. <i>In this section, "community watershed" means a community watershed</i> <ol style="list-style-type: none"> a. <i>that is continued under section 180 (e) of the Act, and</i> b. <i>for which a water quality objective has not been</i> <ol style="list-style-type: none"> i. <i>continued under section 181 of the Act, or</i> ii. <i>established under the Government Actions Regulation.</i> 2. <i>The objective set by government for water being diverted for human consumption through a licensed waterworks in a community watershed is to prevent to the extent described in subsection (3) the cumulative hydrological effects of primary forest activities within the community watershed from resulting in</i> <ol style="list-style-type: none"> a. <i>a material adverse impact on the quantity of water or the timing of the flow of the water to the waterworks, or</i> b. <i>the water from the waterworks having a material adverse impact on human health that cannot be addressed by water treatment required under</i> <ol style="list-style-type: none"> i. <i>an enactment, or</i> ii. <i>the licence pertaining to the waterworks.</i> 3. <i>The objective set by government under subsection (2) applies only to the extent that it does not unduly reduce the supply of timber from British Columbia's forests.</i> 		

Definitions for the purposes s.6.6 of this FSP

“Equivalent Clear-Cut Area (ECA)” means, for the purposes of tracking ECA, the R1b hydrologic recovery curve from TR-032² will be applied to harvested stands and cumulated over the total watershed area.

“Hydrologic Evaluation” is an evaluation form prepared by a qualified professional, that addresses site-specific hydrologic considerations and practices including terrain stability, riparian condition, roads, and streams flows for cutblocks or groups of cutblocks in a Community Watershed. The **Hydrologic Evaluation** will be consistent with the applicable **Watershed Assessment**.

“Watershed Assessment” means an assessment prepared by a qualified professional to investigate watershed hydrologic and geomorphic processes and provide guidance for forest

² Hudson, R. and G. Horel, 2007.

Forest Stewardship Plan

South Central Coast 2024-2029

management activities, and is consistent with the EGBC/ABC FP Joint Professional Practice Guidelines, Watershed Assessment and Management of Hydrologic and Geomorphic Risk in the Forest Industry, v.1.0 (2020). A **Watershed Assessment** will be consistent with applicable Community Watershed objectives.

Strategy – FPPR s.8.2

1. To comply with **FPPR s.8.2**, as a **Strategy**, in a Community Watershed, each **Holder** will:
 - a. Complete a **Watershed Assessment** if **Primary Forest Activities** are planned in the Community Watershed during the term of this **FSP**;
 - b. Complete a **Hydrologic Evaluation** for a proposed cutblock or group of cutblocks; and
 - c. Conduct **Primary Forest Activities** in a manner that is consistent with the recommendations in the applicable **Watershed Assessment** and **Hydrologic Evaluation**.

6.7 Wildlife and Biodiversity – Landscape Level

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.9	January 31, 2004
<i>The objective set by government for wildlife and biodiversity at the landscape level is, without unduly reducing the supply of timber from British Columbia's forests and to the extent practicable, to design areas on which timber harvesting is to be carried out that resemble, both spatially and temporally, the patterns of natural disturbance that occur within the landscape.</i>		

Definitions for the purposes of s.6.7 of this FSP

“**Adjacent**” has the same meaning as in **FPPR s.65(1)**.

“**Existing Cutblock**” has the same meaning as in **FPPR s.65(1)**.

“**New Cutblock**” has the same meaning as in **FPPR s.65(1)**.

“**Non-Conforming Portion**” has the same meaning as in **FPPR s.65(1)**.

6.7.1 Cutblock Size and Adjacency Limits

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.12.1(3)	January 31, 2004
<i>An agreement holder who is required to prepare a forest stewardship plan is exempt for that plan from the requirement under section 5 of the Act that the plan specify intended results or strategies in relation</i>		

Forest Stewardship Plan

South Central Coast 2024-2029

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
<p>to the objective for wildlife and biodiversity at the landscape level set out in section 9 of this regulation if the person</p> <p>(a) prepares the plan, including in it an undertaking that the person will comply with sections 64 and 65 of this regulation, during the term of the plan, and</p> <p>(b) receives the minister's approval to the plan.</p>		

Exemption from Result or Strategy – FPPR s12.1(3)

1. For the purposes of **FPPR s.12.1(3)**, each Holder will conduct Primary Forest Activities in compliance with **FPPR ss.64 and 65**, and is exempt from specifying an intended Result or Strategy.

6.8 Wildlife and Biodiversity – Stand Level

6.8.1 Wildlife Tree Retention

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 580/2004	FPPR s.9.1	June 25, 2012
<p>The objective set by government for wildlife and biodiversity at the stand level is, without unduly reducing the supply of timber from British Columbia's forests, to retain wildlife trees.</p>		

Definitions for the Purposes s.6.8.1 of this FSP

“**Equivalent Forested Area**” means replacement forest of equivalent age, structure and area that is within or immediately adjacent to the cutblock to which the **WTRA** relates.

“**Mature Seral Condition**” means at least 80 years old in the CWH biogeoclimatic zone, or at least 120 years old in the MH biogeoclimatic zone.³

“**WTP**” means a wildlife tree patch established under the *Forest Practices Code of BC Act*.
Synonymous with **WTRA** except in s.2.c, below.

“**WTRA**” means wildlife tree retention area, has the same meaning as in **FPPR s.1(1)**.

Strategy – FPPR ss.9.1 and 12.5(1-2)

³ Biodiversity Guidebook, 1995. p.16. <https://www.for.gov.bc.ca/hfd/library/documents/bib19715.pdf>.

Forest Stewardship Plan

South Central Coast 2024-2029

1. For the purposes of **FPPR s.12.5(1)**, as a **Strategy**, each **Holder** will ensure that for each cutblock, the area⁴ set aside for a **WTRA**:
 - a. Is a minimum of 7% of the sum total area of a cutblock; and
 - b. Is within or immediately adjacent to the Cutblock to which the **WTRA** relates;
 and
2. For the purposes of **FPPR s.12.5(2)**, as a **Strategy**, each **Holder** must not harvest timber from a **WTRA** unless the trees on the net area to be reforested of the cutblock to which the wildlife tree retention area relates have reached a **Mature Seral Condition**, except:
 - a. Timber may be harvested for establishment of tail holds or guy line tiebacks;
 - b. Danger trees may be felled; and
 - c. Where a **Holder** modifies a previously established **WTP** or **WTRA**, the **Holder** will specify a replacement **WTRA** that is an **Equivalent Forested Area** if the modified **WTRA** or **WTP** is not reduced below the minimum area requirements listed in s.1 of this **Strategy**;
 and
3. Despite ss.1-2 of this **Strategy**, if a cutblock has been declared free-growing:
 - a. The practice requirement in **FPPR s.67** applies; and
 - b. Proposed modifications to a **WTRA** or **WTP** established for a free growing cutblock are subject to an exemption request pursuant to **FPPR s.91(2)**.

6.9 Visual Quality

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 580/2004 s.7	Establishment of Scenic Areas and Visual Quality Objectives for the Campbell River Forest District	December 14, 2005
BC Reg. 580/2004 s.7	Visual Quality Objective Order [Kingcome TSA, DNI]	August 19, 2005

Strategy – FPPR s.9.2

1. For the purposes of **FPPR s.9.2**, as a **Strategy**, each **Holder** will comply with the “Order to Establish Visual Quality Objectives for Tree Farm Licence 6 and Block 7 of the Pacific TSA within the North Island Central Coast Forest District” or subsequently established under s.7(2) of the Government Actions Regulation;
2. Where required, a Visual Impact Assessment (VIA) will be conducted according to the ‘Visual Impact Assessment Handbook’ (Ministry of Forests, May 2022), as amended from time to time;

⁴ For the purposes of calculating WTRA requirements, a cutblock is considered to be the total of the net area to be reforested and the road area within a cutblock boundary.

Forest Stewardship Plan

South Central Coast 2024-2029

3. Each **Holder** will ensure that the recommendations in an applicable VIA are followed, including mitigation measures such as tree crown modification of timbered edges; and
4. The scenic areas and VQOs apply to a road permit, cutting permit or area declared under **FPPR** s.14(4), as the scenic areas and VQOs were on the date of submission. This **Strategy** applies to new objectives established under **GAR** s.7 on the effective date of the Order.

6.10 Cultural Heritage Resources

OBJECTIVE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.10	January 31, 2004
<p><i>The objective set by government for cultural heritage resources is to conserve, or, if necessary, protect cultural heritage resources that are</i></p> <ol style="list-style-type: none"> a) <i>the focus of a traditional use by an aboriginal people that is of continuing importance to that people, and</i> b) <i>not regulated under the Heritage Conservation Act.</i> 		

Definitions for the purposes of s.6.10 of this FSP

“**CHR**” means Cultural Heritage Resource.

“**Cedar**” includes both western red-cedar (*Thuja plicata*) and yellow-cedar (*Chamaecyparis nootkatensis*)

“**First Nation CHR Information**” means information regarding a potentially affected CHR within the **FDU** provided to each **Holder** by a First Nation affected by this **FSP**:

- a. Prior to review and comment pertaining to the proposed form of this **FSP** under **FPPR** s.20;
- b. During review and comment pertaining to the proposed form of this **FSP**, in accordance **FPPR** s.21; or
- c. During the term of this **FSP**.

“**Potentially Affected CHR**” means a Cultural Heritage Resource that is:

- a. Subject to **FPPR** s.10;
- b. Not conserved or protected by other arrangements;
- c. Capable of being addressed in the context of this **FSP**; and
- d. Important, valuable and scarce, as determined by government:
 - i. Based on traditional use by an aboriginal people, and
 - ii. From consultation with a First Nation regarding **First Nation CHR Information**, that government has provided.

Strategy – FPPR s.10

1. For the purposes of **FPPR** s.10, as a **Strategy**, each **Holder** will:

PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

South Central Coast 2024-2029

- a. At least once each calendar year for each affected First Nation with asserted traditional territory within the **FDU**:
 - i. Identify the approximate location of planned cutblocks and roads, if any, to which this **FSP** applies that are within that asserted traditional territory and not previously identified by each **Holder** to that First Nation;
 - ii. Request from that First Nation information, regarding any **Potentially Affected CHR** and the historical extent of traditional use, not previously provided by the First Nation to each **Holder**; and
 - iii. If information has been identified under s.1.b of this **Strategy**, request a meeting or communicate with that First Nation to review the access, conservation or, if necessary, protection of the **Potentially Affected CHR**;
 and
 - iv. Provide to the Crown any **First Nation CHR Information** not previously provided by each **Holder**;
- b. Plant or promote natural regeneration of **Cedar** as a component of future stands on areas where:
 - i. Each **Holder** has an obligation under **FRPA s.29(1)**;
 - ii. **Cedar** is ecologically suited;
 and
- c. If requested by a First Nation with asserted traditional territory within the **FDU** that has historically utilized western red-cedar or yellow-cedar from that traditional territory for making paddles, masks, totems, canoes or other similar traditional use items, and to the extent of such historical use, develop **Cedar** strategies and assist that First Nation in identifying or locating **Cedar** trees and obtaining logs suitable for such purpose.

6.11 FRPA Value: Recreation

VALUE SOURCE: FOREST AND RANGE PRACTICES ACT		
Authority	Category/Source	Effective Date of Objective
Act s.56	FRPA Value	November 21, 2002

Forest Stewardship Plan

South Central Coast 2024-2029

VALUE SOURCE: FOREST AND RANGE PRACTICES ACT		
Authority	Category/Source	Effective Date of Objective
<ol style="list-style-type: none"> 1. <i>The minister may order</i> <ol style="list-style-type: none"> a) <i>the establishment of Crown land as an interpretive forest site, a recreation site or a recreation trail, except Crown land that is subject to another enactment and is being administered by another minister, branch or agency of government,</i> b) <i>the variance of the boundaries of an interpretive forest site, a recreation site or a recreation trail, and</i> c) <i>the disestablishment of an interpretive forest site, a recreation site or a recreation trail.</i> 2. <i>[Repealed 2003-55-31.]</i> 3. <i>The minister may establish an objective for an interpretive forest site, recreation site or recreation trail established under subsection (1).</i> 4. <i>An objective established under subsection (1) must be consistent with objectives set by government that pertain to the area.</i> 		

FRPA Value – Recreation

1. Each **Holder** manages **FRPA** s.56 and **FPC** s.102 established sites in accordance with the **FRPA** s.56 or grandfathered **FPC** s.102 agreement for the site, as amended from time to time. See s.6.12 of this **FSP**.

6.12 FRPA Value: Resource Features

VALUE SOURCE: FOREST AND RANGE PRACTICES ACT		
Authority	Category/Source	Effective Date of Objective
BC Reg. 582/2004	Order to Identify Recreation Resource Features for the Campbell River Forest District	April 12, 2006
BC Reg. 582/2004	Order to Identify Karst Resource Features for the Campbell River Forest District	June 30, 2007
<p><i>Pursuant to Section 5 of the Government Actions Regulation of the Forest and Range Practices Act (FRP A), I hereby identify the following surface or subsurface elements of a karst system as resource features wherever they are found within the Campbell River Forest District, effective June 30, 2007.</i></p> <ul style="list-style-type: none"> • <i>Karst caves</i> • <i>Significant surface karst features</i> • <i>The important features and elements within very high or high vulnerability karst terrain</i> 		
BC Reg. 580/2004	FPPR s.70(1)	January 31, 2004
<p><i>An authorized person who carries out a primary forest activity must ensure that the primary forest activity does not damage or render ineffective a resource feature.</i></p>		

FRPA Value – Resource Features

1. Resource features include practice requirements that are not within the scope of an FSP and are mentioned here only as background information supporting this **FSP**. No objectives

PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

South Central Coast 2024-2029

are specified in resource feature orders; therefore, **Results** or **Strategies** are not required. Current Orders are listed in the objective source table above. Each **Holder** will ensure that **Primary Forest Activities** do not damage or render ineffective a resource feature subject to an Order.

7. FRPA Measures

7.1 Invasive Plants

MEASURE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 580/2004	FPPR s.17	January 31, 2004
<p><i>For the purpose of section 47 [invasive plants] of the Act, a person who prepares a forest stewardship plan must specify measures in the plan to prevent the introduction or spread of species of plants that are invasive plants under the Invasive Plants Regulation, if the introduction or spread is likely to be the result of the person's forest practices.</i></p>		

Table 7.1 – Priority Species

Priority	Species
Provincial EDRR (Early Detection and Rapid Response)	Black henbane, Dense-flowered cordgrass, Eggleaf spurge, English cordgrass, European common reed, Giant reed, Perennial pepperweed, Portuguese broom, Salt meadow cordgrass, Slender false brome, Yellow floating heart
Regional EDRR	All knapweeds (incl. <i>Centaurea montana</i>), Blueweed, Spurge laurel, Garlic mustard, Giant hogweed, Gorse, Japanese butterbur, Jewelweed, Poison hemlock, Purple loosestrife, Princess tree, Tree of Heaven, Wild chervil, Yellow flag iris
Containment	Bohemian knotweed, Giant knotweed, Japanese knotweed, Scotch broom
Control	Canada thistle, Himalayan knotweed, Himalayan balsam/Policeman's Helmet, Orange hawkweed, Scotch thistle, Sweet fennel, Tansy ragwort, All yellow hawkweeds, Yellow archangel
Management	Common burdock, Common tansy, English holly, English ivy, Himalayan blackberry

Table 7.2 – Priority Categories and Provincial Objectives for Invasive Plants⁵

⁵ Adopted from the definitions contained in the document titled 'Provincial Priority Invasive Species – BC Inter-Ministry Invasive Species Working Group' (March 2021).

Forest Stewardship Plan

South Central Coast 2024-2029

Priority Category	Category Description	Management Objective
Prevent	Species determined to be high risk and not yet established.	Prevent introduction and establishment.
Provincial EDRR	Species is high risk and is new to the Province	Eradication.
Provincial Containment	Species is high risk with limited extent but significant potential to spread.	Prevent further expansion into new areas with the ultimate goal of reducing the overall extent.
Regional Containment/Control	Species is high risk and well established, or medium risk with high potential to spread.	Prevent further expansion into new areas within the region through establishment of occurrences outside the line to control
Management	Species is more widespread by may be of concern in specific situations with certain high values – e.g. conservation lands or specific agriculture crops.	Reduce the invasive species impacts locally or regionally, where resources are available.

Definitions for the purposes Measures in s.7.1 of this FSP

“**Applicable Area**” means an area of exposed mineral soil that is at least a contiguous 0.1 ha.

“**Priority Categories**” means the priority categories listed in Table 7.2 of s.7.1 of this **FSP**.

“**Priority Species**” means those invasive species listed in Table 7.1 of s.7.1 of this **FSP**.

Measure – FPPR s.17

1. For the purposes of **FPPR s.17**, each **Holder** will, as a **Measure**:
 - a. Incorporate known invasive **Priority Species** into development plans and report new sites as they are discovered, by
 - i. In the planning process, consulting the map display module of the Invasive Alien Plant Program (IAPP) online database for known invasive **Priority Species** (www.for.gov.bc.ca/hra/plants/application.htm);
 - ii. Distribute information to staff and contractors on **Priority Species** that exist or threaten to establish within the plan area, on an annual basis;
 - iii. Monitoring areas for the presence of invasive species while conducting road and cutblock layout, road reactivation surveys, site plan fieldwork, contractor inspections, and silviculture surveys; and
 - iv. Reporting new incidences of invasive plants in the company’s spatial database and through Report-a-Weed or similar technology to the Invasive Alien Plant Program (IAPP) within 30 days of discovery;
 - b. Work in uninfested sites before moving to infested sites;
 - c. Clean equipment within existing infestations of **Priority Species**, to the extent practicable, before moving to a new work site or region, by

PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

South Central Coast 2024-2029

- i. Pressure-washing mud from vehicles and equipment, while preventing run-off from contaminating waterways and riparian areas; or
- ii. Visually inspecting vehicles and equipment and removing lodged plant parts found;
- d. Inspect and ensure fill and erosion-control materials are not taken from sites infested with **Priority Species**;
- e. Direct all contractors and staff to not brush or mow **Priority Species**;
- f. Minimize unnecessary soil disturbance and maintain native vegetation, especially in areas infested with **Priority Species**;
- g. Revegetate a disturbed site that is an **Applicable Area** as soon as possible with weed-free Common No.1 Forage Mixture or better; and
- h. Promptly control infestations of **Priority Species** resulting from **Primary Forest Activities**, if in the infestation is a knotweed species, or in the **Prevent, Provincial EDRR** or **Provincial Containment Priority Categories**, or after consultation with a Provincial Invasive Species Specialist if in the Regional Containment/Control priority category.

7.2 Natural Range Barriers

MEASURE SOURCE: FOREST PLANNING AND PRACTICES REGULATION		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.18	January 31, 2004
<i>For the purpose of section 48 [natural range barriers] of the Act, a person who prepares a forest stewardship plan must specify measures to mitigate the effect of removing or rendering ineffective natural range barriers.</i>		

Measure – FPPR s.18

1. For the purposes of **FPPR s.18**, as a **Measure**, each **Holder** will:
 - a. Each year under the term of this **FSP**, identify any areas within the **FDU** that are subject to or adjacent to agreements under the *Range Act* in respect of grazing livestock;
 - b. Inform each of the affected holders of agreements under the *Range Act* of planned harvest and road construction within or adjacent to their agreement; and
 - c. Where the affected holder of an agreement under the *Range Act* indicates that the planned harvest and road construction will remove or render ineffective a natural range barrier:
 - i. Design cutblocks and roads to mitigate the effect of the removal or ineffectiveness; and
 - ii. Carry out **Primary Forest Practices** only if the **Primary Forest Practices** are consistent with the design in s.1.c.i of this **Measure**.

8. Stocking Standards

Definitions for the purposes of s.8 of this FSP

PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

South Central Coast 2024-2029

“**Assessment Area**” or “**AA**” means an unmappable area within a standards unit with a uniform site series or phase.

“**Standards Unit**” or “**SU**” has the same meaning as in **FPPR** s.1(1)

8.1 Application

1. These stocking standards apply to:
 - a. areas harvested under this **FSP** within the **FDU**; and
 - b. areas identified in a cutblock site plan as the “net area to be reforested”, as that term is defined in **FPPR** s.1(1).

8.2 Application to Cutblocks Where Harvesting Began Before Term Commences (Act s.197(5)) and declaration was not received by MFLNRO within RESULTS

1. See s.3.2.1.e of this **FSP**.

8.3 Situation or Circumstances that Determine Whether Free Growing is Assessed on a Block Basis

BACKGROUND INFORMATION: SITUATION OR CIRCUMSTANCES THAT DETERMINE WHETHER FREE GROWING IS ASSESSED ON A BLOCK BASIS		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.16(1)	January 31, 2004
<i>A person required to prepare a forest stewardship plan must ensure that the plan specifies the situations or circumstances that determine when section 44 (1) or section 45 will apply to an area.</i>		
BC Reg. 580/2004	FPPR s.44(1)	June 25, 2012
<p><i>A person who has an obligation to establish a free growing stand must establish, for areas that have been identified under section 16 (1) [stocking standards] as areas to which this section will apply, a stand that:</i></p> <p><i>(a) meets the applicable stocking standards set out in the forest stewardship plan for the area, by the applicable regeneration date specified for the area, and</i></p> <p><i>(b) meets the applicable stocking standards and free growing height set out in the forest stewardship plan for the area by a free growing date that is no more than 20 years from the commencement date, unless the minister permits a later free growing date.</i></p>		

1. **FPPR** s.44(1) applies in all situations or circumstances under this **FSP** where a free growing stand is required to be established under **FRPA** s.29.

Forest Stewardship Plan

South Central Coast 2024-2029

8.4 Stocking and Related Standards for Stands to which Free Growing Obligations Apply

1. There may be relatively uniform conditions or mosaics (ecosystem complexes), transitional ecosystem sites, and varying site conditions within the net area to be reforested, for each cutblock. The net area to be reforested will be stratified into areas of similar characteristics for the purposes of stocking standards, or **Standards Units (SUs)**. A **Standards Unit** will be assigned the applicable stocking standard from Appendix 1.1, based on the dominant ecosystem site series and, if applicable, phase. Management intent will also govern the choice of a stocking standard. The stocking standard includes species, target and minimum stocking levels (TSS and MSS), minimum intertree distance (MITD), and free growing heights.
2. Optionally, to accommodate unmappable site series components in a **Standards Unit**, elements of a stocking standard may be assigned at an **Assessment Area** level.

8.4.1 Species

1. Species selection to determine compliance with **FPPR s.44(1)** of the **FPPR** will be based on the ecosystem classification and be evaluated at the **SU** or **AA** level. Species which are ecologically suitable and commercially valuable for each site series are listed in Appendix 1.1. All listed species are preferred.

8.4.2 Stocking (Even-Aged Stocking Standards)

8.4.2.1 Target Stocking Standards

1. Target Stocking Standards (TSS) are listed in Appendix 1.1; and
2. TSS is assigned at the **SU** level.

8.4.2.2 Minimum Stocking Standard

1. Minimum Stocking Standards (MSS) are listed in Appendix 1.1; and
2. MSS is assigned at the **SU** level.

8.4.2.3 Minimum Horizontal Intertree Distance

1. Minimum intertree distances (MITDs) are listed in Appendix 1.2, along with application conditions; and
2. MITD may be assigned at the **SU** or **AA** level.

8.4.2.4 Regeneration Date

1. The regeneration date is 6 years.

Forest Stewardship Plan

South Central Coast 2024-2029

8.4.2.5 Minimum Free Growing Height

1. The minimum free growing heights listed in Appendix 1.1 will be used to demonstrate that the trees are adapted to the site, are growing well and can reasonably be expected to continue to do so, and
2. Minimum free growing height may be assigned at the **SU** or **AA** level.

8.4.2.6 Damage Criteria at Free Growing

1. Damage criteria at the time of the free growing assessment will be assessed as indicated in FS 660, Section 22.

8.5 Intermediate Cutting

BACKGROUND INFORMATION: INTERMEDIATE CUTTING		
Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.16(4)	January 31, 2004
<i>A person required to prepare a forest stewardship plan must ensure that the plan specifies stocking standards for areas referred to in section 44 (4), and the situations or circumstances that determine when the stocking standards will be applied.</i>		

Stocking Standard for Intermediate Cutting (FPPR ss.44(4))

1. Where a **Holder** of this FSP applies intermediate cutting as a silviculture system in an area within the **FDU**, that Holder will not cause stocking within that area to fall below 40 m²/ha for a period of at least 12 months after harvest completion;
2. Intermediate cutting rules apply to conifer management only;
3. Openings greater than 0.1 ha will be managed using even-aged stocking standards;
4. Intermediate cutting as a single entry may only be applied in:
 - a. Areas where harvest is constrained by visual quality objectives under s.6.9 of this **FSP**; or
 - b. In riparian management zones, where prescribed in a site plan, consistent with s.6.4.2 of this **FSP**;
5. Where intermediate cutting is applied, the residual stand will consist of ecologically suitable species that will be viable for future harvest opportunities, and
6. A stocking standard ID will be assigned for CWHvm1-01 and additional site series may be added to the standard, as required, using the approved variation mechanism. Suitable species will match the species listed in Appendix 1.1.

8.6 High Retention Harvesting – SEDRSS

OBJECTIVE SOURCE: HIGH RETENTION HARVESTING – SEDRSS

Forest Stewardship Plan

South Central Coast 2024-2029

Authority	Category/Source	Effective Date of Objective
BC Reg. 14/2004	FPPR s.16(4)	January 31, 2004
<p><i>A person required to prepare a forest stewardship plan must ensure that the plan specifies stocking standards for areas referred to in section 44 (4), and the situations or circumstances that determine when the stocking standards will be applied.</i></p>		

- SEDRSS (Single Entry Dispersed Retention Stocking Standard) standards may be applied where basal area retention following harvest is between 5 and 40 m²/ha;
- Justification for high retention harvesting will be documented in the Cutblock Site Plan, consistent with High Retention Management Decision table below;
- The Single Entry Dispersed Retention Stocking Standard Framework Implementation Guide (Coastal), 2014, provides guidance for high retention harvesting (as revised by CRIT from time to time), and
- See Appendix 1.2 for the stocking standard to be approved with this FSP.

High Retention Management Decision (SEDRSS)

Situations or Circumstances	Standard
1. Type of Silviculture System	Partial Cutting with Regeneration Obligation – Use SEDRSS (Single Entry Dispersed Retention Stocking Standard). The silviculture system is Retention.
2. Stocking standards applicable	SEDRSS outlines stocking standard criteria based on basal area retained and site index. Additional biogeoclimatic subzones and site series may be added through approved variations. Survey methodology will be consistent with the SEDRSS Implementation Guide (Feb. 14, 2014). SEDRSS includes stratification, overstory, understory, survey methodology, and stocking decision (Option 2 will be used in the FDU). RESULTS reporting will be as outlined in the Implementation Guide.
3. Species to be retained	Conifer species only.
4. Maximum Basal Area % Reduction (Quantity)	SEDRSS are to be applied where the residual basal area (RBA) within a selected harvest area is 5 – 40 m ² /ha for Fdc sites, and 8 – 40 m ² /ha for HwCw sites, per Appendix 1.2.
5. Maximum Opening size (Distribution)	Openings larger than 0.1 ha will be stratified and even-aged stocking standards will be applied.
6. Characteristics of Retained Trees or Remaining Stand	Leave tree form, health, and vigour will conform to the SEDRSS Damage Criteria in the Implementation Guide.

PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

South Central Coast 2024-2029

Timberlands
 Management System

Situations or Circumstances	Standard
7. Scope	Non-timber values and objectives are the primary management focus (visuals, recreation, terrain stability, riparian and cultural). The specific value will be indicated in the Cutblock Site Plan.
8. Scale	0-1% of the harvest volume during the lifetime of this FSP.

DRAFT

PRINTED COPY IS UNCONTROLLED

Forest Stewardship Plan

South Central Coast 2024-2029

9. Signature(s) (FRPA Act s.5(3))

CERTIFICATION OF SIGNING PROFESSIONAL

I certify that the work described herein fulfills the standards expected of a member of the Association of British Columbia Forest Professionals and that I did personally supervise the work.

FSP signed

Bruce Vinnedge, RPF
Senior Silviculture Forester

Date

LICENSEE SIGNATURE

Doug Underhill, RPF
GM, Planning and Process Improvement

Date

PRINTED COPY IS UNCONTROLLED

FOREST STEWARDSHIP PLAN

Mainland Coast Forest Operation

Appendix 1 – Stocking Standards

The stocking standards IDs (SSIDs) in RESULTS are:

Even-aged conifer management: **xxxxxxx**

Intermediate Cut: **xxxxxxx**

SEDRSS for HwCw over HwCw: **xxxxxxx**

SEDRSS for Second Growth Fd: **xxxxxxx**

Species selection will occur at the Standards Unit level based on the dominant site series in the SU or AA. Ecologically suitable species for each site series are listed in the table below. Appendix 1.1 defines even-aged stocking standards for use in RESULTS.

Appendix 1.1 – Species Selection and Stocking Targets

BEC	Site Series	TSS	MSS	Species Selection	Minimum Free Growing Heights
CWHvm1	01	1000	500	Ba ¹ , Cw, Fd ⁵ , Hw, Ss ⁴ , Yc ⁶	Ba-1.75, Cw-1.5, Fd-3.0, Hw-3.0, Ss-3.0, Yc-1.5
	02	800	400	Cw, Fd, Hw, Pl, Yc	Cw-1.0, Fd-2.0, Hw-2.0, Pl-1.25, Yc-1.0
	03	800	400	Ba ^{1,2} , Cw, Fd ⁵ , Hw, Pl, Yc ⁶	Ba-1.25, Cw-1.0, Fd-2.0, Hw-2.0, Pl-1.25, Yc-1.0
	04	1000	500	Ba ^{1,2} , Cw, Fd ⁵ , Hw, Ss ⁴ , Yc ⁶	Ba-2.0, Cw-1.5, Fd-3.0, Hw-3.0, Ss-3.0, Yc-1.5
	05	1000	500	Ba ¹ , Cw, Fd ⁵ , Hw, Ss ⁴ , Yc ⁶	Ba-1.75, Cw-1.5, Fd-3.0, Hw-3.0, Ss-3.0, Yc-1.5
	06	1000	500	Ba ¹ , Cw, Fd ⁵ , Hw, Ss ⁴ , Yc ⁶	Ba-1.75, Cw-1.5, Fd-3.0, Hw-3.0, Ss-3.0, Yc-1.5
	07	1000	500	Ba ¹ , Cw, Fd ⁵ , Hw, Ss ⁴ , Yc ⁶	Ba-2.25, Cw-2.0, Fd-4.0, Hw-4.0, Ss-4.0, Yc-1.5
	08	1000	500	Ba ¹ , Cw, Hw, Ss ⁴ , Yc ⁶	Ba-2.25, Cw-2.0, Hw-4.0, Ss-4.0, Yc-1.5
	09	1000	500	Ba ¹ , Cw, Hw, Ss ⁴ , Yc ⁶	Ba-2.25, Cw-2.0, Hw-4.0, Ss-4.0, Yc-1.5
	10	1000	500	Ba ¹ , Cw, Ss ⁴ , Yc ⁶	Ba-2.25, Cw-2.0, Ss-4.0, Yc-1.5

PRINTED COPY IS UNCONTROLLED

FOREST STEWARDSHIP PLAN

Mainland Coast Forest Operation

BEC	Site Series	TSS	MSS	Species Selection	Minimum Free Growing Heights
	12	1000	500	Cw, Hw, Hm, Pl, Yc	Cw-1.0, Hw-2.0, Hm-2.0, Pl-1.25, Yc-1.0
	13	400	200	Cw, Pl, Yc ⁶	Cw-1.0, Pl-1.25, Yc-1.0
	14	800	400	Cw, Hw, Pl, Ss, Yc ⁶	Cw-1.5, Hw-3.0, Pl-2.0, Ss-3.0, Yc-1.5
CWHvm2	01	1000	500	Ba, Bp ³ , Cw, Fd, Hm ⁶ , Hw, Yc	Ba-1.75, Bp-2.25, Cw-1.5, Fd-2.25, Hm-2.5, Hw-2.5, Yc-1.5
	02	800	400	Cw, Fd, Hm ⁶ , Hw, Pl, Yc	Cw-1.0, Fd-1.5, Hm-1.75, Hw-1.75, Pl-1.25, Yc-1.0
	03	800	400	Ba ⁶ , Cw, Fd, Hm ⁶ , Hw, Pw, Pl, Yc	Ba-1.5, Cw-1.0, Fd-1.5, Hm-1.75, Hw-1.75, Pw-2.5, Pl-1.25, Yc-1.0
	04	1000	500	Ba, Cw, Fd, Hm ⁶ , Hw, Pw, Yc	Ba-1.5, Cw-1.0, Fd-1.5, Hm-1.75, Hw-1.75, Pw-2.5, Yc-1.0
	05	1000	500	Ba, Bp ³ , Cw, Fd ⁵ , Hm, Hw, Yc	Ba-1.75, Bp-2.25, Cw-1.5, Fd-2.25, Hm-2.0, Hw-2.5, Yc-1.5
	06	1000	500	Ba, Cw, Fd ⁵ , Hm ⁶ , Hw, Yc	Ba-1.75, Cw-1.5, Fd-2.25, Hm-2.0, Hw-2.5, Yc-1.5
	07	1000	500	Ba, Cw, Fd ⁵ , Hm ⁶ , Hw, Yc	Ba-2.25, Cw-2.0, Fd-3.5, Hm-2.5, Hw-3.5, Yc-2.0
	08	1000	500	Ba, Cw, Fd ⁵ , Hm ⁶ , Hw, Yc	Ba-2.25, Cw-2.0, Fd-3.5, Hm-2.5, Hw-3.5, Yc-2.0
	09	800	400	Ba, Cw, Hm, Hw, Pl, Yc	Ba-1.5, Cw-1.0, Hm-0.75, Hw-1.75, Pl-1.75, Yc-1.0
	10	400	200	Hm, Pl, Yc	Hm-0.75, Pl-1.25, Yc-1.0
	11	800	400	Cw, Hm, Hw, Yc	Cw-1.0, Hm-0.75, Hw-1.75, Yc-1.0
MHm1	01	1000	500	Ba, Bp ³ , Cw, Hm, Hw, Yc	Ba-0.6, Bp-1.25, Cw-1.0, Hm-1.0, Hw-1.0, Yc-1.0
	02	800	400	Ba, Hm, Hw ⁵ , Yc	Ba-0.6, Hm-0.75, Hw-1.0, Yc-0.75
	03	800	400	Ba, Bp ³ , Hm, Hw, Yc	Ba-0.6, Bp-1.25, Hm-1.0, Hw-1.0, Yc-1.0
	04	1000	500	Ba, Hm, Hw, Yc	Ba-0.6, Hm-1.0, Hw-1.0, Yc-1.0
	05	1000	500	Ba, Hm, Hw, Yc	Ba-0.6, Hm-1.0, Hw-1.0, Yc-1.0

PRINTED COPY IS UNCONTROLLED

FOREST STEWARDSHIP PLAN

Mainland Coast Forest Operation

BEC	Site Series	TSS	MSS	Species Selection	Minimum Free Growing Heights
	06	800	400	Ba, Hm, Hw ⁵ , Yc	Ba-0.6, Hm-0.75, Hw-1.0, Yc-0.75
	07	1000	500	Ba, Hm, Hw ⁵ , Yc	Ba-0.6, Hm-0.75, Hw-1.0, Yc-0.75
	08	400	200	Hm, Hw ⁵ , Yc	Hm-0.75, Hw-1.0, Yc-0.75
	09	800	400	Hm, Hw ⁵ , Yc	Hm-0.75, Hw-1.0, Yc-0.75

* - Refers to SUs which are may be managed for hardwoods under FSP s.8.5. For site series 01, hardwood management may only be applied on nutrient medium sites.

Notes for Appendix 1.1:

- 1 – Risk of balsam woolly adelgid. Ba or Bg will be counted last in a survey for the silviculture layer.
- 2 – Suitable on cool aspects.
- 3 – Suitable on warm aspects, nutrient medium to very rich soils.
- 4 – Suitable on nutrient medium sites.
- 5 – Suitable at lower elevations or warm aspects.
- 6 – Suitable at upper elevations or cool aspects.
- 7 – Suitable on fresh sites.
- 8 – Elevated microsites only.
- 9 – Viable option where ungulate browse is a factor.

General Species Notes

Bp – Initial regeneration of Bp (noble fir) is restricted to nutrient medium sites or better. Northerly aspects are to be avoided. Initial regeneration of Bp will not comprise more than a 20% component, to mitigate risk.

Pw – Use seed which has been selected to be resistant to *Cronartium ribicola*. Use major gene resistant stock when available, especially below 1000 m elevation. Pw will be planted at not more than 200 trees per ha, evenly distributed. Use caution regarding the use of Pw for browse resistance, since ungulates may select other crop trees, increasing the reliance on Pw for stocking.

PI – Refers to Plc. The use of PI to meet the MSS is limited to 20%.

PRINTED COPY IS UNCONTROLLED

FOREST STEWARDSHIP PLAN

Mainland Coast Forest Operation

Timberlands
Management System

Ss – If Ss is from seed sources selected for high resistance to *Pissodes strobi*, the use of Ss to meet the MSS is unlimited in areas of moderate and high risk of spruce weevil damage; otherwise, the use of natural Ss to meet the MSS is limited to 20% in moderate-high spruce weevil risk areas.

DRAFT

PRINTED COPY IS UNCONTROLLED

Document Owner:
Doc Code:
File Code:

Approved By:
Revision Date:
Page 50 of 58

FOREST STEWARDSHIP PLAN

Mainland Coast Forest Operation

Appendix 1.2 – Minimum Horizontal Inter-Tree Distance

Minimum Horizontal Inter-Tree Distance (MITD) will be assigned at the Assessment Area level as per the table below.

MITD (m)	Site Series
1.6	(i) < 20 metres from road centreline; (ii) immediately adjacent to any: (A) stream – riparian area; (B) natural non-productive area; (C) unplantable slash; or (iii) on any: (A) talus site, landslide or avalanche track (B) hygric or wetter site; (C) very harsh site where protected microsites are critical; (D) area where stump avoidance is necessary on a root rot site; (E) area extensively utilized for elk, deer or other wildlife habitat or browse (heavy elk use areas) for survival and to utilize slash; or (F) microsites that are preferable given the tree species or damaging agents, to those sites existing at regular 2.0 meters spacing. (iv) in SUs that are being managed for a target stocking of 1500 stems per hectare.
2.0	All other sites.

PRINTED COPY IS UNCONTROLLED

FOREST STEWARDSHIP PLAN

Mainland Coast Forest Operation

Timberlands
Management System

Appendix 1.3 – SEDRSS Stocking Standard

Appendix 1.3.1 – SEDRSS Tabular Method for HwCw over HwCw

BGPU	Layer	Regeneration Guide								Free Growing Guide	
		Species	Site Occupancy					Regen Delay (max yrs.)	MITD	Species	Height(m)
			All BA combinations are applicable to survey plots								
			Only used during plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS obligations			Only used during plots				
CWHvm1 - 01	Residual Layer (L1) (≥12.5dbh)	Per Appendix 1.1 by Site Series	0-8	9-15	16-22	23-28	29-39	≥ 40	N/A	N/A	N/A
	BA (m ² /ha)										
	Regen Layer (L2-L4)	Per Appendix 1.1 by Site Series ¹							6	L1 Drip line or 2.0 m (L2-L4)	Per Appendix 1.1 by Site Series
	TSS Target (WS /ha)		900	800	700	500	400	0			
MSS Minimum (WS/ha)		500	400	300	200	100	0			Per Appendix 1.1 by Site Series	

¹ Fdc

- ecologically suitable only in areas with <8 m²/ha BA;
- restricted to a maximum of 200 WS or FG/ha in plots with >=8 m² and <=15 m² BA;
- not suitable in plots with >15 m² BA, and
- not suitable on north aspects.

Stocking Decision – The SU is found to have met its regen obligation or free growing obligation if the mean regen or FG sph >= the MSS sph for the corresponding average crop BA from the table.

PRINTED COPY IS UNCONTROLLED

FOREST STEWARDSHIP PLAN

Mainland Coast Forest Operation

Appendix 1.3.2 - SEDRSS Tabular Method for Second Growth Fdc – Fd(CwHw) over HwCwFd – SI 30

BGPU	Layer	Regeneration Guide						Free Growing Guide			
		Species	Site Occupancy					Regen Delay (max yrs)	MITD	Species	Height (m)
			All BA combinations are applicable to survey plots					Regen Delay (max yrs)	MITD	Species	Height (m)
			Only used during plots	One of these 4 BA combinations are applicable to final SU REGEN / FG SEDRSS			Only used during plots				
CWHxm - 01	Residual Layer (L1) (≥12.5dbh)	Per Appendix 1.1 by Site Series	0-4	5-10	11-16	17-23	24-39	≥ 40	N/A	N/A	N/A
	BA (m ² /ha)										
	Regen Layer (L2-L4)	Per Appendix 1.1 by Site Series ^{1,2}	900	800	700	500	400	0	6	L1 Drip line or 2.0 m (L2-L4)	Per Appendix 1.1 by Site Series
TSS Target (WS / ha)	500		400	300	200	100	0				
	MSS Minimum (WS/ha)										

¹ Fdc

- ecologically suitable only in areas with <10m²/ha BA;
- restricted to a maximum of 200 WS or FG/ha in plots with ≥10 m² and ≤16 m² BA;
- not suitable in plots with >16 m² BA, and
- not suitable on north aspects unless there are no residual trees within 2 stand tree lengths.

²Cw (n.b. For Cw and Hw dominated retention stands of SI <30, use the table in Appendix 1.3.1).

- ecologically suitable only in areas with <10m²/ha BA;
- restricted to a maximum of 200 WS or FG/ha in plots with ≥10 m² and ≤23 m² BA, and
- not suitable in plots with >23 m² BA.

Stocking Decision – The SU is found to have met its regen obligation or free growing obligation if the mean regen or FG sph ≥ the MSS sph for the corresponding average crop BA from the table.

PRINTED COPY IS UNCONTROLLED

FOREST STEWARDSHIP PLAN

Mainland Coast Forest Operation

Timberlands
Management System

DRAFT

PRINTED COPY IS UNCONTROLLED

Document Owner:
Doc Code:
File Code:

Approved By:
Revision Date:
Page 54 of 58