

**NOTICE – INDICATORS OF THE AMOUNT, DISTRIBUTION AND ATTRIBUTES OF WILDLIFE HABITAT
REQUIRED FOR THE SURVIVAL OF Marbled Murrelet (*Brachyramphus marmoratus*)**

This notice is given under the authority of section 7(2) of the *Forest Planning and Practices Regulation* (B.C. Reg. 14/04) and section 9(3) of the *Woodlot Licence Planning and Practices Regulation* (B.C. Reg. 21/04).

This notice rescinds the following paragraphs for Marbled Murrelet (*Brachyramphus marmoratus*) in Schedule 1 of the following section 7(2) and section 9(3) notices:

- Paragraph 2, December 30, 2004 notice for the South Island Forest District
- 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
- Paragraph 1, March 2, 2006 notice for the Sunshine Coast Forest District
- Paragraph 1, December 30, 2004 notice for the Squamish Forest District

The notice includes indicators of the amount, distribution and attributes of wildlife habitat required for the survival of the species at risk outlined in Schedule 1.

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.

This notice applies to the South Island Forest District, Campbell River Forest District, North Island Central Coast Forest District, Chilliwack Forest District, Squamish Forest District, Sunshine Coast Forest District and Chilcotin Forest District.

Pursuant to section 7(4) of the *Forest Planning and Practices Regulation* (B.C. Reg. 14/04) and 9(4) of the *Woodlot Planning and Practices Regulation* (B.C. Reg. 21/04) of the *Forest and Range Practices Act*, an approved forest stewardship plan or woodlot licence plan must be amended to be consistent with this notice within 6 months from the effective date of this notice.

SCHEDULE 1

1) Marbled Murrelet (*Brachyramphus marmoratus*)

Amount:

1. Table 1 provides the minimum amount of Marbled Murrelet nesting habitat (Suitable Habitat) to be maintained within both Marbled Murrelet Wildlife Habitat Areas (WHAs) and Old Growth Management Areas (OGMAs) combined and the minimum amount of Suitable Habitat to be maintained within Marbled Murrelet WHAs within Forest Districts.

Distribution:

1. Table 2 provides the minimum amount of Suitable Habitat to be maintained within both Marbled Murrelet WHAs and OGMAs combined and the minimum amount of Suitable Habitat to be maintained within Marbled Murrelet WHAs within landscape unit aggregates.

2. Table 3 provides the target and minimum amount of Suitable Habitat to be maintained within both Marbled Murrelet WHAs and OGMAs combined and the minimum amount of Suitable Habitat to be maintained within Marbled Murrelet WHAs within landscape unit portions.

Attributes: Species: Marbled Murrelet

Attribute	Characteristics
Size	Maintain a balanced range of patch sizes including a mix of large (>200 ha), medium (50-200 ha) and small (<50 ha) patches. Minimum patch sizes for Marbled Murrelet WHAs depend on what is available but are generally >20 ha.
Suitable Habitat	Suitable Habitat is Low Level Aerial Survey (LLAS) class 1-3 habitat and, where LLAS are not available, the BC Model.
Nesting Habitat Features	Old seral stage coniferous forests providing large trees with mossy platforms (limbs or deformities >15 cm diameter) with variable canopy structure and small canopy gaps.
Tree Size	Most nesting trees are typically >40 m tall. Nest heights are typically >30 m.
Structural Stage	7: Old Forest ¹ (>250 years - age class 9, but age class 8 is acceptable if stands provide nesting habitat features).

¹ <http://www.env.gov.bc.ca/wld/documents/identified/App05-Interim.pdf>

Sharon Hadway

Signed this

24 day of November, 2021

Sharon Hadway,
Regional Executive Director
West Coast Region

Ministry of Forests, Lands, Natural Resource Operations and Rural Development

Allan Johnsrude

Signed this

22 day of November, 2021

Allan Johnsrude,
Regional Executive Director
South Coast Region

Josh Pressey

Signed this

22 day of November 2021

Josh Pressey,
Regional Executive Director
Cariboo Region

TABLE 1

Forest District	Natural Resource District	MAMU WHA and OGMA Suitable Habitat Minimum (Ha)	MAMU WHA Suitable Habitat Minimum (Ha)
Cariboo	Cariboo-Chilcotin	423	299
Chilliwack	Chilliwack	3,383	1,381
Campbell River	Campbell River	17,391	10,561
North Island Central Coast	North Island Central Coast	8,811	5,191
Sunshine Coast	Sunshine Coast	19,715	10,112
South Island	South Island	9,709	5,936
Squamish	Sea to Sky	3,128	2,059
Total		62,560	35,539

abbreviations key: MAMU=Marbled Murrelet, WHA=Wildlife Habitat Area, OGMA=Old Growth Management Area, Ha=hectares

TABLE 2

Landscape Unit Aggregate	MAMU WHA and OGMA Suitable Habitat Minimum (Ha)	MAMU WHA Suitable Habitat Minimum (Ha)
Cariboo-Chilcotin Natural Resource District		
Cariboo	423	299
Chilliwack Natural Resource District		
GVWD	44	33
Lower Fraser	3,339	1,348
Campbell River Natural Resource District		
Johnson Strait	4,585	1,637
Kyuquot Sound	3,385	2,595
Nootka	9,421	6,329
North Island Central Coast Natural Resource District		
Cape Scott	3,009	1,400
McNeill	1,533	864
Nimkish	2,379	1,251
Quatsino	1,890	1,676

TABLE 2 *continued*

Landscape Unit Aggregate	MAMU WHA and OGMA Suitable Habitat Minimum (Ha)	MAMU WHA Suitable Habitat Minimum (Ha)
<i>Sunshine Coast Natural Resource District</i>		
<i>Bute</i>	5,215	3,363
<i>Georgia</i>	2,221	695
<i>Homathko</i>	3,408	1,911
<i>Jervis</i>	3,944	2,150
<i>Powell</i>	2,288	843
<i>Sechelt</i>	2,639	1,150
<i>South Island Natural Resource District</i>		
<i>Barkley Sound</i>	4,533	3,366
<i>Central</i>	1,296	1,041
<i>Renfrew</i>	3,880	1,529
<i>Sea to Sky Natural Resource District</i>		
<i>Seatosky1</i>	1,535	1,004
<i>Seatosky2</i>	1,593	1,055
Total	62,560	35,539

abbreviation key: MAMU=Marbled Murrelet, WHA=Wildlife Habitat Area, OGMA=Old Growth Management Area, Ha=hectares

TABLE 3

Landscape Unit Portion	Landscape Unit Aggregate	MAMU WHA and OGMA Suitable Habitat Target (Ha)	MAMU WHA and OGMA Suitable Habitat Minimum (Ha)	MAMU WHA Suitable Habitat Target (Ha)	MAMU WHA Suitable Habitat Minimum (Ha)
Cariboo-Chilcotin Natural Resource District					
Doran Creek	Cariboo	358	286	251	201
Tiedemann	Cariboo	65	52	48	38
Chilliwack Natural Resource District					
Coquitlam	GVWD	44	35	33	26
Alouette	Lower Fraser	87	70	10	8
Chehalis	Lower Fraser	7	5	0	0
Fraser Valley South	Lower Fraser	71	56	21	17
Hatzic	Lower Fraser	914	731	73	59
Pitt	Lower Fraser	1,053	842	634	508
Stave	Lower Fraser	983	787	461	369
Tretheway	Lower Fraser	37	30	25	20
Widgeon	Lower Fraser	187	149	124	99

TABLE 3 *continued*

Landscape Unit Portion	Landscape Unit Aggregate	MAMU WHA and OGMA Suitable Habitat Target (Ha)	MAMU WHA and OGMA Suitable Habitat Minimum (Ha)	MAMU WHA Suitable Habitat Target (Ha)	MAMU WHA Suitable Habitat Minimum (Ha)
Campbell River Natural Resource District					
Adam-Eve	Johnson Strait	844	675	0	0
Naka	Johnson Strait	50	40	0	0
Salmon	Johnson Strait	1,045	836	372	298
Sayward WNV	Johnson Strait	157	126	68	54
Tsitika DCR	Johnson Strait	489	391	197	157
White	Johnson Strait	2,000	1,600	1,000	800
Artlish	Kyuquot Sound	797	637	631	505
Kaouk	Kyuquot Sound	1,246	997	1,017	813
Kashutl	Kyuquot Sound	811	649	605	484
Tahsish	Kyuquot Sound	531	425	342	274
Burman WNV	Nootka	852	682	498	399
Eliza	Nootka	1,219	975	913	731
Gold WNV	Nootka	1,689	1,351	943	754
Kleeptee	Nootka	332	266	245	196
Nootka	Nootka	2,371	1,897	1,708	1,366
Tahsis	Nootka	1,543	1,234	996	797
Tlupana	Nootka	897	718	589	471
Zeballos	Nootka	518	414	437	350
North Island Central Coast Natural Resource District					
Holberg	Cape Scott	532	425	314	251
Nahwitti	Cape Scott	607	486	388	310
Nigei	Cape Scott	7	5	0	0
San Josef	Cape Scott	1,641	1,313	677	542
Shushartie	Cape Scott	98	78	21	17
Tsulquate	Cape Scott	124	99	0	0
Keogh	McNeill	71	57	39	31
Marble	McNeill	783	627	280	224
Neroutsos	McNeill	679	543	545	436
Bonanza	Nimpkish	120	96	120	96
Lower Nimpkish	Nimpkish	680	544	263	210
Tsitika DNI	Nimpkish	100	80	49	39
Upper Nimpkish DCR	Nimpkish	98	79	86	69
Upper Nimpkish DNI	Nimpkish	1,381	1,105	733	586
Klaskish	Quatsino	1,119	895	1,118	894
Mahatta	Quatsino	771	616	558	447

TABLE 3 *continued*

Landscape Unit Portion	Landscape Unit Aggregate	MAMU WHA and OGMA Suitable Habitat Target (Ha)	MAMU WHA and OGMA Suitable Habitat Minimum (Ha)	MAMU WHA Suitable Habitat Target (Ha)	MAMU WHA Suitable Habitat Minimum (Ha)
Sunshine Coast Natural Resource District					
Brem	Bute	1,412	1,130	1,177	942
Bute East	Bute	1,515	1,212	884	707
Bute West	Bute	1,753	1,402	1,082	866
Quatam	Bute	535	428	220	176
Bunster	Georgia	42	34	19	15
Cortes	Georgia	955	764	66	53
Homfray	Georgia	1,224	979	610	488
Bishop	Homathko	182	146	136	109
Homathko	Homathko	879	703	94	75
Southgate	Homathko	198	159	52	42
Toba	Homathko	2,149	1,719	1,629	1,303
Brittain	Jervis	775	620	620	496
Deserted	Jervis	431	344	431	344
Jervis	Jervis	1,562	1,249	516	412
Narrows	Jervis	621	497	518	414
Skwawka	Jervis	555	444	65	52
Haslam	Powell	1	1	0	0
Lois	Powell	175	140	0	0
Powell Daniels	Powell	1,304	1,043	397	318
Powell Lake	Powell	642	514	329	263
Texada Lasqueti	Powell	9	7	0	0
Texada Texada Isl	Powell	157	125	117	94
Chapman	Sechelt	344	275	139	111
Howe	Sechelt	451	361	449	359
Salmon Inlet	Sechelt	617	493	46	37
Sechelt	Sechelt	1,227	981	516	412

TABLE 3 *continued*

Landscape Unit Portion	Landscape Unit Aggregate	MAMU WHA and OGMA Suitable Habitat Target (Ha)	MAMU WHA and OGMA Suitable Habitat Minimum (Ha)	MAMU WHA Suitable Habitat Target (Ha)	MAMU WHA Suitable Habitat Minimum (Ha)
South Island Natural Resource District					
Barkley Sound Islands	Barkley Sound	183	146	101	81
Effingham	Barkley Sound	779	623	584	467
Escalante	Barkley Sound	249	199	184	147
Henderson	Barkley Sound	231	184	172	138
Klanawa	Barkley Sound	1,578	1,262	1,258	1,006
Maggie	Barkley Sound	103	82	56	45
Sarita	Barkley Sound	853	683	603	483
Toquaht	Barkley Sound	557	446	408	326
Corrigan WNV	Central	171	137	171	137
Cous WNV	Central	115	92	94	75
Nahmint WNV	Central	853	682	712	570
Sproat Lake WNV	Central	157	126	64	51
Caycuse WNV	Renfrew	876	701	119	95
Cowichan WNV	Renfrew	1	1	0	0
Gordon WNV	Renfrew	467	374	231	185
Loss WNV	Renfrew	451	361	371	297
Nitinat WNV	Renfrew	879	703	286	229
San Juan WNV	Renfrew	588	470	217	174
Tugwell WNV	Renfrew	31	25	17	14
Walbran	Renfrew	587	470	288	230
Sea to Sky Natural Resource District					
East Howe	Seatosky1	167	133	23	19
Indian	Seatosky1	143	114	31	25
Lower Squamish	Seatosky1	285	228	225	180
Mamquam	Seatosky1	940	752	725	580
Meager	Seatosky2	322	258	179	143
Ryan	Seatosky2	8	7	0	0
Sloquet - High	Seatosky2	3	2	0	0
Sloquet - South	Seatosky2	213	171	120	96
Soo	Seatosky2	254	203	170	136
Upper Squamish	Seatosky2	567	454	506	405
Whistler	Seatosky2	226	181	80	64
Totals		62,560		35,539	

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