

## CROSS-WALK TABLES FOR VARIOUS WFP TENURES ECOSYSTEM MAPPING

### BLOCK 6 OF TFL 25, QCI (Block 1 and 2 of former TFL 24):

This was revised in 2003. The number used in the ecosystem symbol is identical to the site series number; additional breaks are recognized as phases.

*Table 1 Site Series and Phases of CWHwh1.*

BCFS SITE SERIES	ECOSYSTEM & PHASE	HYGROTOPE	TROPHOTOPE
01 HwSs - Lanky moss	Q1, Q1B, Q1C	4 - 5	C
01s - salal phase of 01	Q1s	4 - 5	B - C
02 CwSs - Salal	Q2	2 - 3	B - C
	Q2P (pine phase)	0 - 1	B
03 CwSs - Sword fern	Q3	2 - 4	D
05 CwSs - Foamflower	Q5C	4 - 5	D
	Q5F	5	D
06 CwSs - Conocephalum	Q6	6	D - E
07 Ss - Lily-of-the-valley	Q7	5	D
08 Ss - Trisetum	Q8	5	D - E
10 CwYc - Goldthread	Q10	6	B
12 CwSs - Skunk cabbage	Q12	7	D
15 Ss - Reedgrass	Q15	3 - 5	D - E

*Table 2 Site Series and Phases of CWHwh2.*

BCFS SITE SERIES	ECOSYSTEM & PHASE	HYGROTOPE	TROPHOTOPE
01 HwSs - Lanky moss	QM1, QM1C <sup>1</sup>	3 - 4	B - C
05 CwYc - Goldthread	QM5	6 - 7	B
07 CwSs - Sword fern <sup>2</sup>	QM7	3 - 4	D

<sup>1</sup> Phases: B – beach; C – colluvial; F – fluvial; Fo – folisolic; L – limestone; P – pine; s - salal

<sup>2</sup>

**Table 3 Site Series and Phases of CWHvh2**

BCFS SITE SERIES	ECOSYSTEM & PHASE <sup>3</sup>	HYGROTOPE	TROPHOTOPE
01 CwHw - Salal	H1	4 - 5	B - C
03 CwSs - Salal	H3	3 - 4	B - C
	H3Fo	2 - 3	B - C
04 HwSs - Lanky moss	H4, H4B, H4C, H4F	1 - 2	B - C
	H4Fo	1	B - C
05 CwSs - Sword fern	H5, H5L	0 - 1	E
	H5FoL	0	D - E
06 CwSs - Foamflower	H6, H6F	2 - 3	D
	H6C	2	D
08 Ss - Lily-of-the-valley	H8	2 - 3	D - E
09 Ss - Trisetum	H9	2 - 3	E
11 CwYc - Goldthread	H11	6 - 7	B - C
12 PIYc - Sphagnum	H12	- <sup>4</sup>	A - B
13 CwSs - Skunk cabbage	H13	5 - 6	D
	H13F	6 - 7	D - E
16 Ss - Reedgrass	H16	1 - 3	D - E
32 Non-forested slope/blanket bog	H32	8	B
33 Non-forested fen/marsh	H33	8	D - E

**Table 4 Site Series and Phases of the Montane CWHvh2**

BCFS SITE SERIES	ECOSYSTEM & PHASE	HYGROTOPE	TROPHOTOPE
04 HwSs - Lanky moss	H4M <sup>5</sup>	1 - 2	B - C
	H4FoM	1	B - C
05 CwSs - Sword fern	H5M	0 - 1	D
	H5EM	1 - 2	D
06 CwSs - Foamflower	H6M, H6FM	2 - 3	D
13 CwSs - Skunk cabbage	H13M	5 - 6	D

<sup>3</sup> Phases: B - beach; C - colluvial; F - fluvial; Fo - folisolic; L - limestone; with combinations as indicated  
e.g. FoL - folisolic limestone phase

<sup>4</sup>

<sup>5</sup> Phases: M - montane; C - colluvial; E - erosional; F - fluvial; Fo - folisolic

**BLOCK 5 OF TFL 25 – MAINLAND MID-COAST** (Roderick, Pooley, Yeo, Princess Royal I and adjacent mainland)

In preparation at this time – report draft available; 90% of attributing completed.

The number used in my ecosystem symbol is identical to the site series number; additional breaks are recognized as phases. Since a montane variant of the vh2 is not formally recognized, this is tentatively recognized as a “montane phase” of several site series (Table 6 below).

**Table 5. Site Series and Phases of the CWHvh2**

MOF SITE SERIES	ECOSYSTEM & PHASE <sup>6</sup>	HYGROTOPE	TROPHOTOP
01 CwHw - Salal	H1	4 - 5	B - C
02 PIYc - Racomitrium	H2	various	A - B
03 CwYc - Salal	H3	3 - 4	B - C
	H3Fo	2 - 3	B - C
04 HwSs - Lanky moss	H4, H4B, H4C, H4D	1 - 2	B - C
	H4Fo	1	B - C
05 CwSs - Sword fern	H5, H5L	0 - 1	E
	H5FoL	0	D - E
06 CwSs - Foamflower	H6, H6F	2 - 3	D
	H6C	2	D
07 CwSs – Devil's club	H7, H7C, H7F	2 - 3	E
08 Ss - Lily-of-the-valley	H8	2 - 3	D - E
10 Dr – Lily-of-the-valley	H10	2 - 3	E
11 CwYc - Goldthread	H11	6 - 7	B - C
12 PIYc - Sphagnum	H12	Various, mainly 7 -	A - B
13 CwSs - Skunk cabbag	H13	5 - 6	D
	H13F	6 - 7	D - E
32 Blanket bog	H32	8	B
33 Fen	H33	8	D - E

**Table 6. Site Series and Phases of the Montane CWHvh2**

MOF SITE SERIES	ECOSYSTEM & PHASE	HYGROTOPE	TROPHOTOPE
01 CwHw – Salal	H1M	4	B - C
04 HwSs - Lanky moss	H4M, H4CM, H4FM <sup>7</sup>	1 - 2	B - C
	H4FoM	1	B - C
06 CwSs - Foamflower	H6M, H6CM, H6FM	2 - 3	D
07 CwSs - Devil's club	H7M	2 - 3	E
11 CwYc - Goldthread	H11M	6 - 7	B - C
13 CwSs - Skunk cabbage	H13M	5 - 6	D

<sup>6</sup> Phases: B - beach; C - colluvial; F - fluvial; Fo - folisolic; L - limestone; with combinations as indicated  
e.g. FoL - folisolic limestone phase

<sup>7</sup> Phases: M - montane; CM – colluvial montane; FM – fluvial montane; FoM – folisolic montane

**Table 7. Site Series and Phases of the CWHvm1**

MOF SITE SERIES	ECOSYSTEM & PHASE <sup>8</sup>	HYGROTOP	TROPHOTOPE
01 HwBa - Blueberry	VS1 & VS1cs	3 - 4	B - C
03 HwCw - Salal	VS3	1 - 2	A - B
08 BaSs – Devil's club	VS8	5 - 6	D - E
09 Ss - Salmonberry	VS9	3 - 4	D
10 Act – Red-osier dogwood	VS10	2 - 3	D - E
14 CwSs – Skunk cabbage	VS14F	7	D - E
14 CwSs – Skunk cabbage	VS14	7	C - D

Note the area of CWHvm mapped in Block 5 is quite limited, hence a limited range of ecosystems are mapped.

**Table 8. Site Series of the CWHvm2**

MOF SITE SERIES	ECOSYSTEM & PHASE <sup>9</sup>	HYGROTOP	TROPHOTOPE
01 HwBa - Blueberry	VM1 & VM1C	3 - 4	B - C
03 HwCw - Salal	VM3	1 - 2	B
05 BaCw - Foamflower	VM5	3 - 4	D
08 BaSs – Devil's club	VM8	5 - 6	D - E
11 CwSs – Skunk cabbage	VM11	7	C - D

In **MH**, six units are mapped:

- Freely drained, closed forest hypermaritime mountain hemlock — HMH1
- Poorly drained, closed forest hypermaritime mountain hemlock — HMH4
- Freely drained, closed forest maritime mountain hemlock — MH1
- Primary seral, closed forest mountain hemlock — MHs
- Hypermaritime parkland — HP; and
- Maritime parkland — P

Three **AT** Zone units are mapped:

- alpine tundra — AT
- snow avalanche track communities — A
- non-vegetated — NV

<sup>8</sup> Phases: **ch** – cedar-hemlock phase; **F** – richer fluvial phase

<sup>9</sup> Phases: **B** - beach; **C** - colluvial; **F** - fluvial; **Fo** - foliolitic; **L** - limestone; with combinations as indicated

e.g. **FoL** - foliolitic limestone phase

## **TFL 6 OF NORTHERN VANCOUVER ISLAND**

Note the original mapping (1981-85) was of site associations (e.g. S1 is 01 in vm1, 04 in vh1); current revision is using site series. Original ecosystem numbering does not correspond to site series; revision does correspond to site series with additional breaks recognized as phases.

This was also applied to the Naka Creek and Heydon Bay blocks of TFL 25, and to the CWHvm portion of Block 1 of TFL 25, WFP's Jordan River Operation.

<b>LEWIS – WFP MAPPING</b>		<b>MOF (1994) CLASSIFICATION</b>
<b>Original (1981-85)</b>	<b>Revised (current revision)</b>	
S1ha	VS1	01 HwBa - Blueberry
S1ch	VS1s	01s salal phase of 01
S2	VS3	03 HwCw - Salal
S2F & S2P	VS2	02 HwPI - Cladina
S3 of terraces	VS9	09 Ss – Salmonberry
S3 of fans	VS5F	05 BaCw - Foamflower
S3B	VS4B	04 CwHw - Sword fern
S4	VS10	10 Act – Red-osier dogwood
S5	VS14F	14 CwSs - Skunk cabbage (fluvial)
S6	VS14O	14 CwSs - Skunk cabbage (organic)
S7	VS14WS (forested swamp)	14 – 13 intergrade
S8	VS13 (WB51)	13 PI - Sphagnum
S9	WB52	Open bog
S10	VS6Fo,s	06s salal phase of 06
S11	WF52	Open fen
S12	VS5LS & VS4LS	05 BaCw - Foamflower 04 CwHw - Sword fern
S13	VS5C & VS7C	05 BaCw - Foamflower 07 BaCw - Salmonberry
S15	VS6	06 HwBa - Deer fern
CP	VH1	vh1 01 CwHw - Salal

<b>LEWIS – WFP MAPPING</b>		<b>MOF (1994) CLASSIFICATION</b>
<b>Original</b>	<b>Revised</b>	
M1	VM1	01 HwBa - Blueberry
M2	VM3	03 HwCw - Salal
M3	VM5	05 BaCw - Foamflower
M4	VM11	11 YcHm – Skunk cabbage
M5	VM8	08 BaSs – Devil's club

MH and AT are not differentiated into site series; more generalized map units include:

- MH1 – freely drained, circum zonal closed MH
- MH2 – rocky, discontinuous MH
- MH4 - poorly drained MH forest
- P – MH parkland
- AT – alpine tundra
- A – snow avalanche ecosystems

## **BLOCK 1 OF TFL 25 – JORDAN RIVER OPERATION – DRIER SUBZONES**

See above tables for the CWHvm portion of Jordan River.

CWHxm:

<b>LEWIS – WFP MAPPING</b>	<b>MOF (1994) CLASSIFICATION</b>
A1 - mesic	01 HwFd - Kindbergia
A2 - submesic	01 HwFd - Kindbergia
A3	FdHw - Salal
A4	FdPI - Cladina
A5	Cw – Sword fern
A6	CwSs - Skunk cabbage
A13	Fd – Sword fern

CWHmm1:

<b>LEWIS – WFP MAPPING</b>	<b>MOF (1994) CLASSIFICATION</b>
L1	01 HwBa - Pipecleaner moss
L2	03 FdHw - Salal
L4	05 BaCw - Foamflower 07 BaCw - Salmonberry
L12	CwHw – Sword fern – limestone
L13	04 CwHw – Sword fern

CWHmm2:

<b>LEWIS – WFP MAPPING</b>	<b>MOF (1994) CLASSIFICATION</b>
N1	01 HwBa - Pipecleaner moss
N2	03 FdHw - Salal
N12	05 BaCw – Foamflower - limestone
M4	YcHm – Skunk cabbage

Note no distinction was made between the poorly drained sites in adjacent mm2 and vm2 (same site association)

## **APPLE & STAFFORD VALLEYS OF TFL 25 (Block 2 - South of Knight Inlet)**

These valleys are situated in the easternmost part of the CWHvm, not subarctic but certainly with subarctic influence and some subarctic features (climate, species). Consequently, the vm classification was used but localized for this operating area. Map symbols incorporated a "T" to make this distinction; hence S became ST and M became MT.

Correlations with MOF (1994) are the same as for the S and M ecosystems as mapped on Vancouver Island, in Block 5 (Mainland) and Heydon Bay, Loughborough Inlet. The one notable exception is the ST13 ecosystem, which includes a high component of devil's club sites – CWHvm1/08.

<b>Ecosystem</b>	<b>CWHvm of Apple-Stafford</b>	<b>Vancouver Island Analogue</b>
Average or zonal, mesic	ST1	S1
Dry, shallow soil, rocky - Folisols	ST2	S2
Rich, fluvial - fans, older terraces	ST3	S3
Rich, fluvial - early seral, regularly flooded	ST4	S4
Fluvial, poorly drained	ST5	S5
Wet, gentle slope to depressiona	ST6	S6
Open - semi-open bog wetlands	ST9	S9
Very wet, minerotrophic fen wetlands	ST11	S11
Colluvial, richer, often with seepage	ST13	S13
Moist with seepage, but not rich; non-fluvial	ST15	S15

Analogues to S7, S8, S10 & S12 are not found in the Apple-Stafford area