# KEY TO THE *SPHAGNUM* SPECIES OF VANCOUVER BOG USING MICROSCOPIC FEATURES

# **KEY TO SECTIONS:** 2a Chlorophyllose cells of branch leaves exposed more broadly on the **2b** Chlorophyllose cells of branch leaves exposed more broadly on the

## KEY TO SPECIES OF SECTION ACUTIFOLIA

la	Stem leaves fringed
	2a Stem leaf fringed along most of margin
	2b Stem leaf fringed along apex
lb	Stem leaves not fringed (sometimes toothed at tip)
	<b>3a</b> Stem leaves oblong-lingulate, broad-bordered at base4
	4a Plants brown (stem "wood" distinctly brown) Sphagnum fuscum
	4b Plants red
	3b Stem leaves oblong to oblong-triangular, not broad-bordered at base  Sphagnum capillifolium
	Spragnum capingonum
	/

#### KEY TO SPECIES OF SECTION CUSPIDATA



- - **2b** Stem and branch leaves not similar in size, shape, and structure.....3
    - **3a** Stem leaves less than 0.8mm long, small capitulum..........Sphagnum angustifolium
    - **3b** Stem leaves more than 0.8mm long ......4





#### KEY TO SPECIES OF SECTION SPHAGNUM

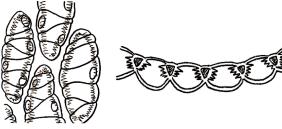




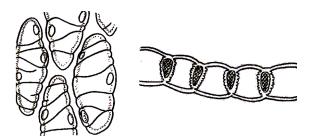


**3a** Inner cell walls of branch leaf hyaline cells with ridge-like comb-fibrils...

..... Sphagnum austinii



**3b** Inner cell walls of branch leaf hyaline cells papillose...Sphagnum papillosum



### KEY TO SPECIES OF SECTION SQUARROSA

Sphagnum squarrosum