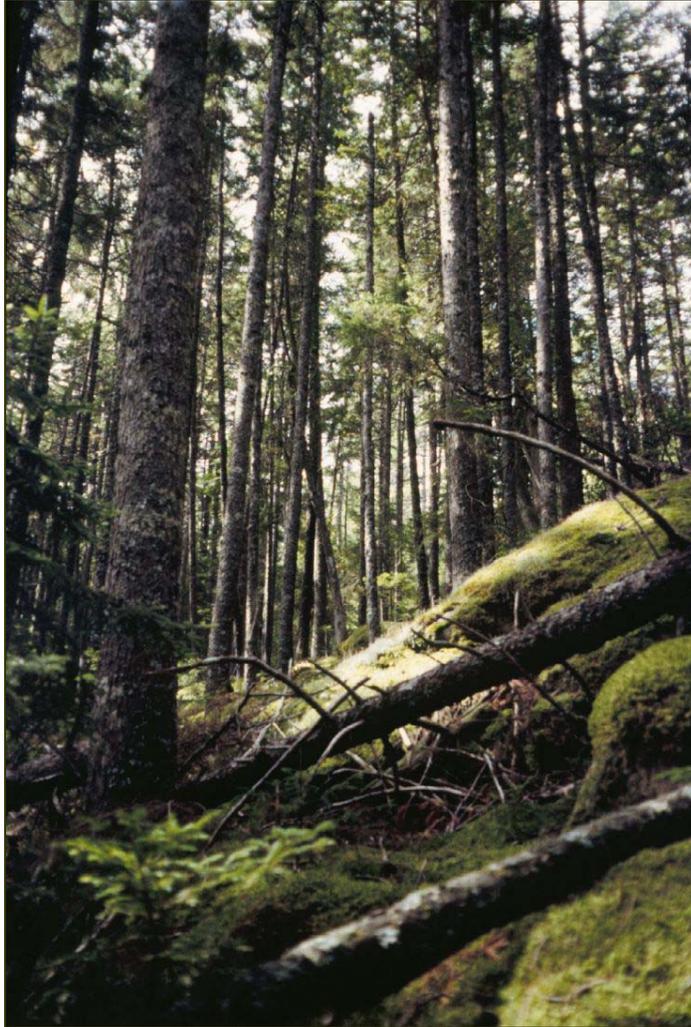


## Spruce - Fir Forest (conifer phase, SF)



The Spruce - Fir Forest (conifer phase) map class (SF) is a red spruce dominated forest with varying proportions of balsam fir and other conifers at relatively low abundance. Deciduous species are sometimes present but together comprise <25% of the relative cover. The canopy cover ranges from closed to sometimes patchy in areas with blowdown openings.

SF has a dark to medium red conifer signature. The texture varies from somewhat fine in areas of continuous cover to a choppy, more open cover in patchy areas. SF grades into SFM, which is the mixed phase (>25% deciduous). It also grades into WPC when white pine reaches about 25% relative cover.

SF was mapped at various landscape positions, aspects, and all elevations, although less frequent at the highest elevations. It is most common outside the 1947 fire area.

The SF map class represents one NVCS association: [Maritime Spruce - Fir Forest](#).

Polygons: 933, Hectares: 12,865, Average size (h): 14

### **Accuracy Assessment Results**

SF was assessed with SFM (mixed phase) for accuracy assessment. From a mapping perspective, SF and SFM are clearly expressed as separate types in some instances, but also grade into one another to such an extent that we allowed inclusions of either one in the other.

**Producers' accuracy: 71%** (Confidence interval 61% - 81%)

**Users' accuracy: 73%** (Confidence interval 63% - 83%)

Errors in **producers' accuracy** were associated with map classes White Pine - Mixed Conifer Forest (WPC, 1 error), Mixed Conifer Woodland (MCW, 7 errors), White Pine - Hardwood Forest (WPM, 7 errors), Beech - Birch - Maple Forest (MDF, 1 error), White Cedar Woodland (WCW, 1 error), Aspen - Birch Woodland/Forest Complex (forest phase, ABF, 1 error), Red Maple - Hardwood Swamp (MAS, 1 error), Conifer Swamp Woodland (spruce-mixed or white cedar phases, CSW or WCS, 1 error). Errors in **users' accuracy** were associated with map classes Mixed Conifer Woodland (MCW, 6 errors), Aspen - Birch Woodland/Forest Complex (forest phase, ABF, 4 errors), Beech - Birch - Maple Forest (MDF, 2 errors), Conifer Swamp Woodland (spruce-mixed or white cedar phases, CSW or WCS, 4 errors), and Red Pine - White Pine Forest (WRP, 1 error).

## Spruce - Fir Forest (conifer phase, SF)

### **Accuracy Assessment Results, cont.**

#### **Special Notes:**

*Many mapping errors were caused by disagreements of "forest" versus "woodland" between the mappers and AA team, and to the closely associated WPM. In addition, mapped stands of SFM were occasionally assessed as the deciduous type ABF even though there was 30 to 50% relative cover of evergreen in the canopy or subcanopy. Polygons missed to CSW/WCS and to WRP were due to photo limitations, or in one case, the interpreter overlooked a black spruce stand.*