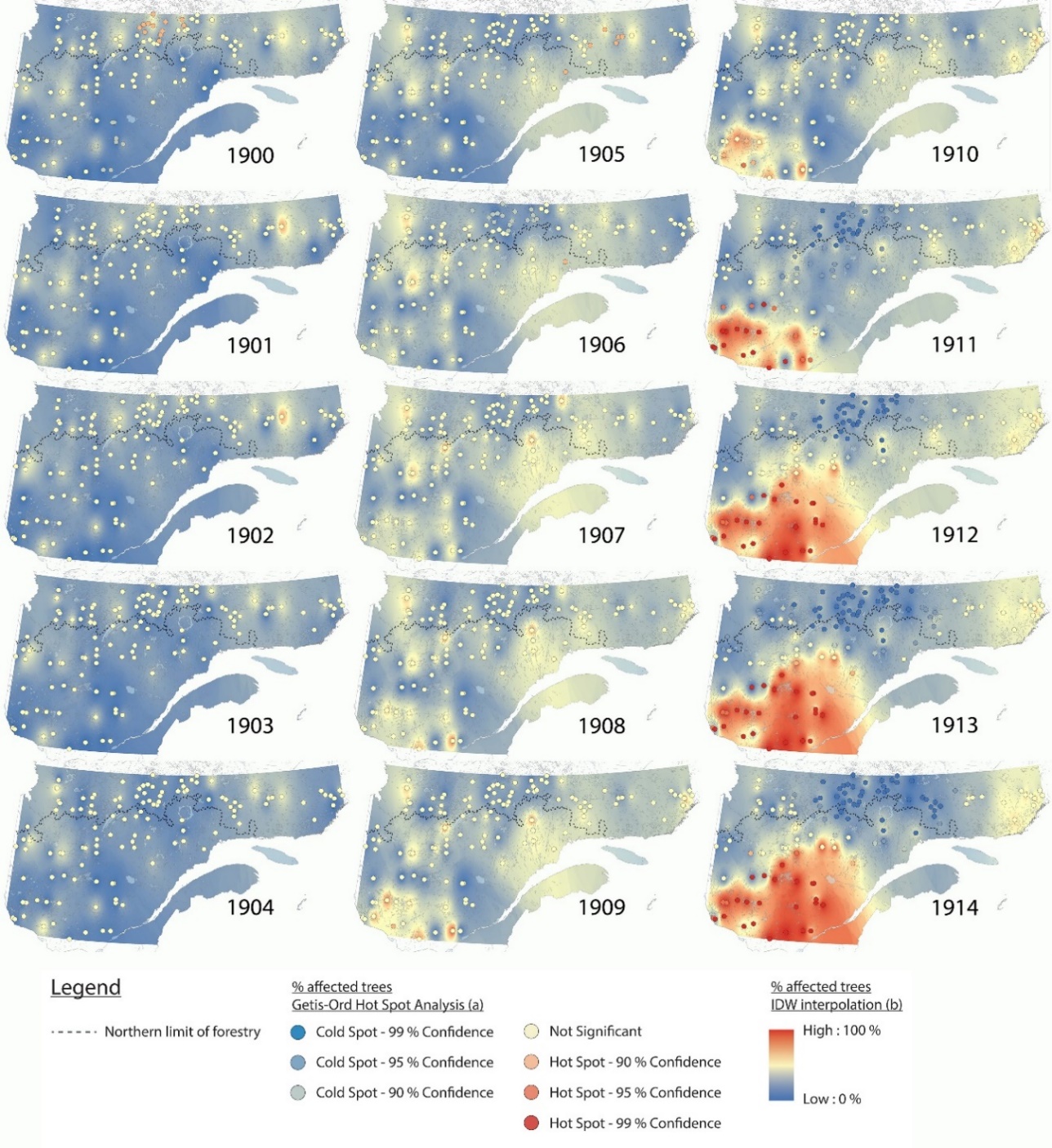
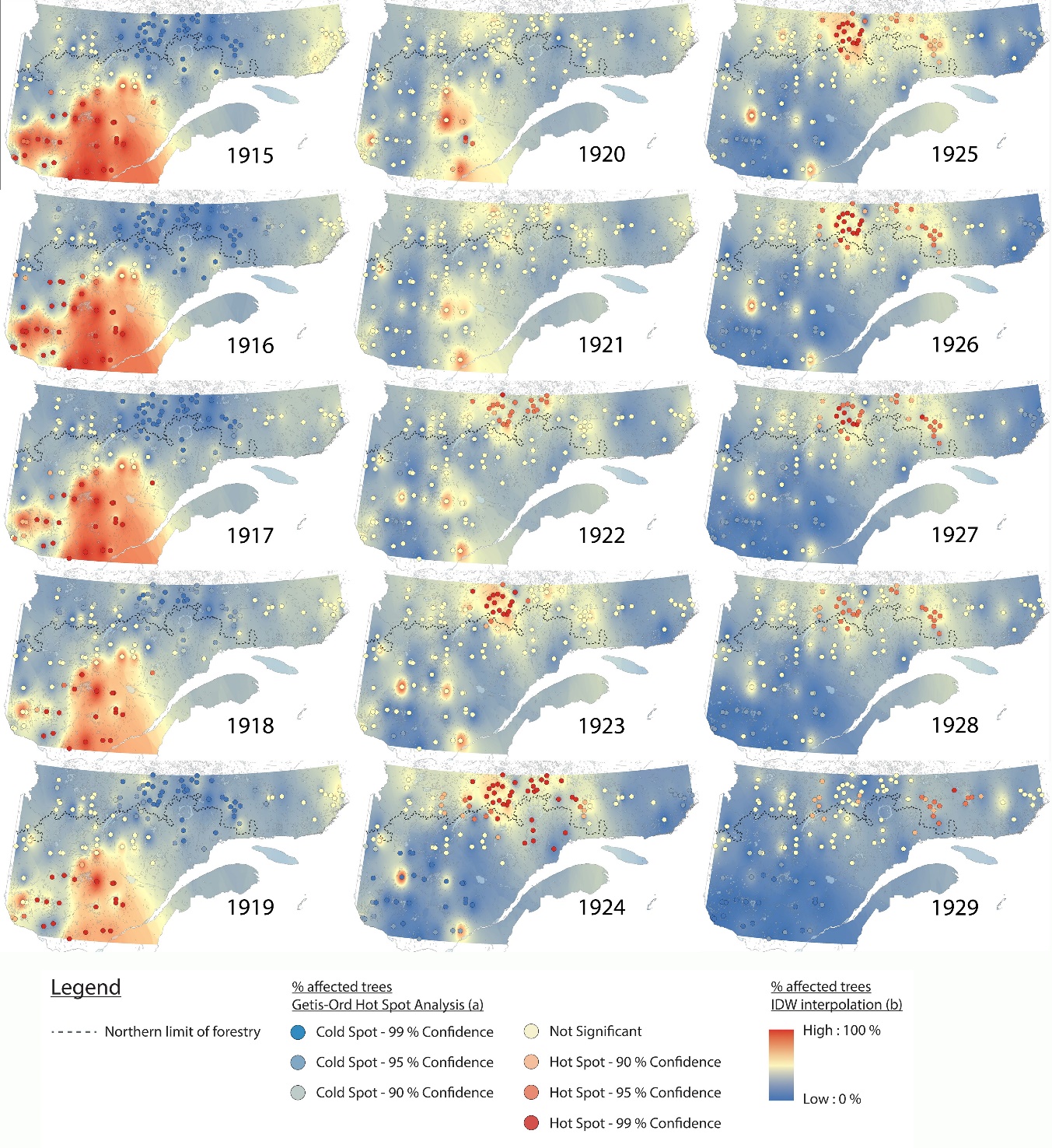
**Supplementary material**

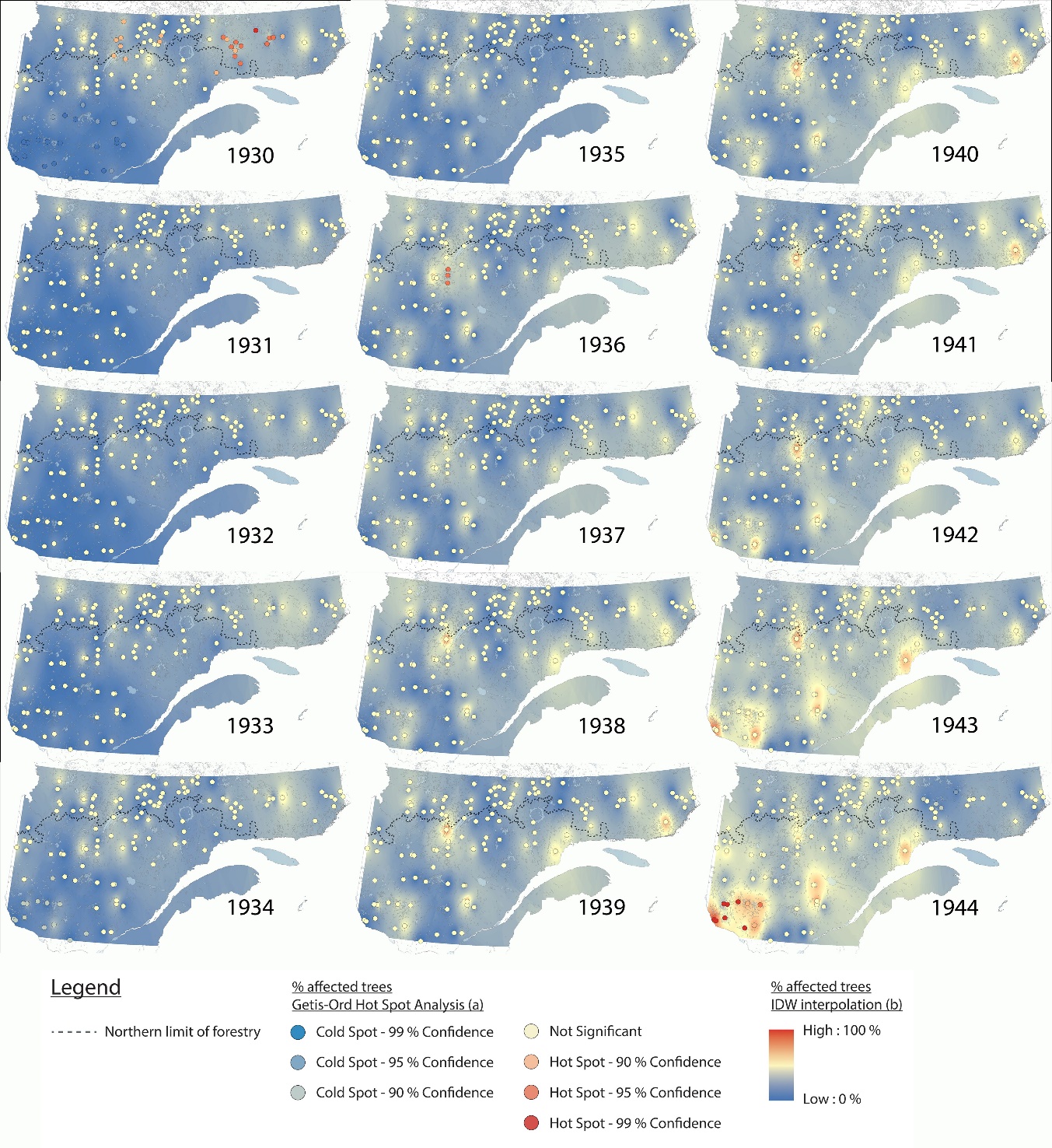
**Figure S1a.** Spatiotemporal pattern of spruce budworm impacts (percentage of affected trees) and synchrony (Getis-Ord hotspot analysis) in eastern Canadian boreal forests for the period 1900–1914.



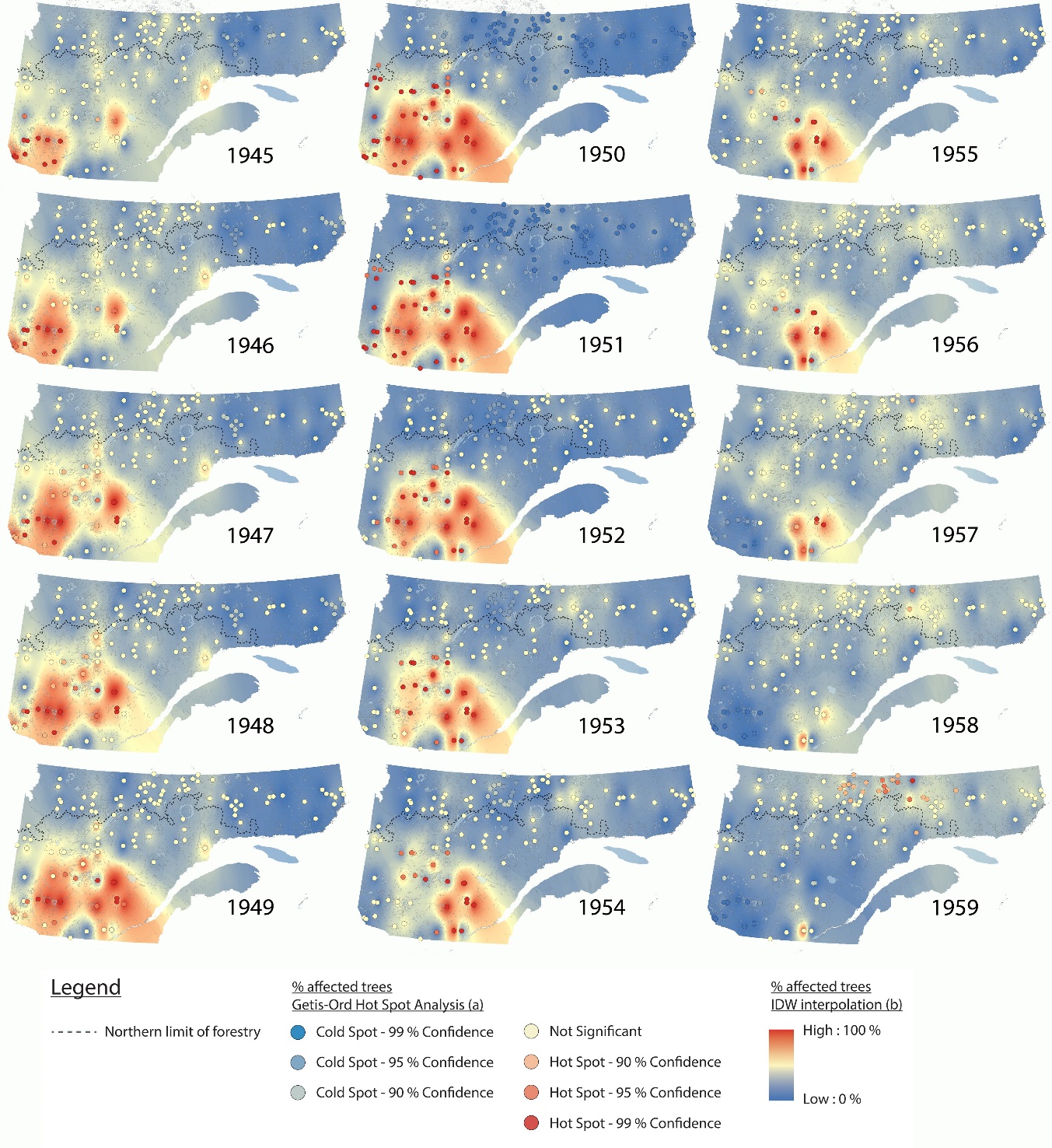
**Figure S1b.** Spatiotemporal pattern of spruce budworm impacts (percentage of affected trees) and synchrony (Getis-Ord hotspot analysis) in eastern Canadian boreal forests for the period 1915–1929.



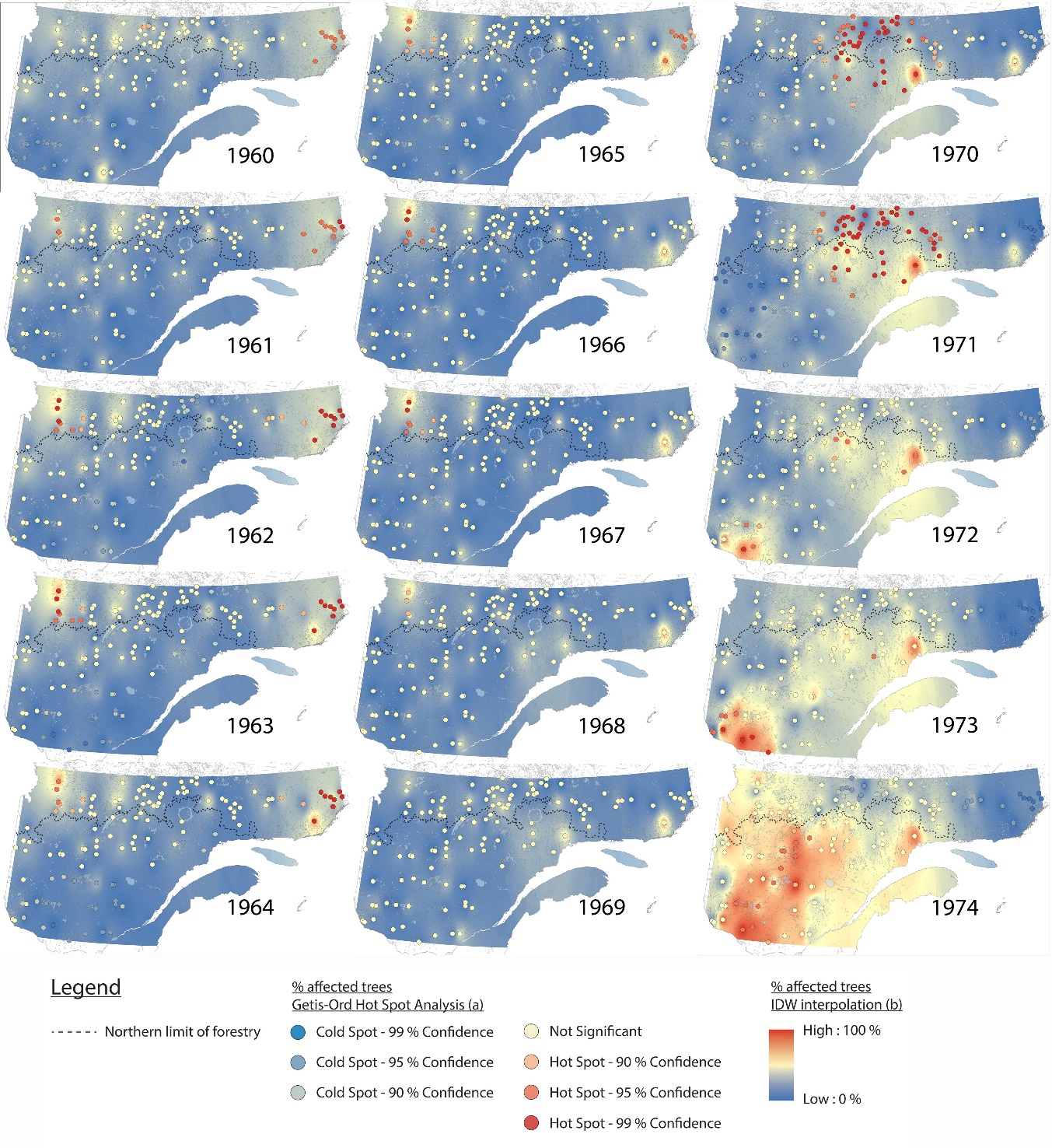
**Figure S1c.** Spatiotemporal pattern of spruce budworm impacts (percentage of affected trees) and synchrony (Getis-Ord hotspot analysis) in eastern Canadian boreal forests for the period 1930–1944.



**Figure S1d.** Spatiotemporal pattern of spruce budworm impacts (percentage of affected trees) and synchrony (Getis-Ord hotspot analysis) in eastern Canadian boreal forests for the period 1944–1959.



**Figure S1e.** Spatiotemporal pattern of spruce budworm impacts (percentage of affected trees) and synchrony (Getis-Ord hotspot analysis) in eastern Canadian boreal forests for the period 1960–1974.



**Figure S1f.** Spatiotemporal pattern of spruce budworm impacts (percentage of affected trees) and synchrony (Getis-Ord hotspot analysis) in eastern Canadian boreal forests for the period 1975–1989.

