



***Dryopteris carthusiana***  
toothed wood fern



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***Dryopteris carthusiana***  
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*circinatum*), lady fern (*Athyrium felix-femina*), false lily-of-the-valley (*Maianthemum dilatatum*), and spreading wood fern (*Dryopteris expansa*).

**Ecology:** *Dryopteris carthusiana* appears to be restricted to acidic swamp habitats in this area, although this species may occur in a wider variety of habitats in other portions of its range. *Dryopteris carthusiana* is a tetraploid species that is believed to be the result of a hybridization between *D. intermedia* and a hypothetical ancestral species, *D. semicristata*.

**State Status Comments:** *Dryopteris carthusiana* is at the periphery of its range in Washington, where there are less than twenty occurrences. More information is needed to assign a state status to this species.

**Inventory Needs:** Sphagnum swamps throughout the state should be investigated.

**Threats and Management Concerns:** The greatest threat to *Dryopteris carthusiana* is hydrologic alteration.

**Comments:** *Dryopteris carthusiana* is also known as *Dryopteris austriaca* (Jacq.) Woy. var. *spinulosa* (OF.Müll) Fiori, as found in Hitchcock (1969), and *Dryopteris spinulosa* Roth.

**References:**

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