

# Checklist of Plants of Mississippi: Ferns and Fern Allies\*

## March 2007

The number of vascular plant species found in Mississippi is greater than that found in most other states in the United States (NatureServe 2002). The total flora of Mississippi is thought to be around 2,950 species. The Mississippi Natural Heritage Program has built a flora database of Mississippi plants (AFLOA), which includes both introduced and native vascular plants. The list is based on many sources but most importantly that of the Plants Database (USDA, NRCS, 2002). The nomenclature closely follows that developed by the Biota of North America Program (BONAP) (2003), which supports vascular plant treatments for Plants Database.

\*This list should not be considered an all inclusive list and should be viewed as a draft "in progress". This list is not without errors; please report any corrections, changes and/or suggestions.

### **Psilotaceae -- Whisk Fern Family**

- Psilotum nudum* (L.) Beauv.  
whisk fern --native<sup>2</sup>

### **Lycopodiaceae -- Clubmoss Family**

- Lycopodiella alopecuroides* (L.) Cranfill  
foxtail clubmoss --native<sup>1</sup>
- Lycopodiella appressa* (Chapman) Cranfill  
southern bog clubmoss --native<sup>1</sup>
- Lycopodiella caroliniana* (L.) Pichi Sermolli  
slender clubmoss --native<sup>1</sup>
- Lycopodiella cernua* (L.) Pichi Sermolli  
staghorn clubmoss --native<sup>1</sup>
- Lycopodiella prostrata* (Harper) Cranfill & Correll  
featherstem clubmoss --native<sup>1</sup>
- Lycopodiella X copelandii* (Eig.) Cranfill  
a clubmoss --native<sup>3</sup>
- Lycopodium digitatum* Dill. ex A. Braun  
fan clubmoss --native<sup>1</sup>

### **Selaginellaceae -- Spikemoss Family**

- Selaginella apoda* (L.) Spring  
meadow spikemoss --native<sup>1</sup>
- Selaginella ludoviciana* (A. Braun) A. Braun  
gulf spikemoss --native<sup>1</sup>
- Selaginella rupestris* (L.) Spring  
rock spikemoss --native<sup>2</sup>
- Selaginella uncinata* (Desv. ex Poir.) Spring  
blue spikemoss --non-native<sup>2</sup>

### **Isoetaceae -- Quillwort Family**

- Isoetes engelmannii* A. Braun  
Appalachian quillwort --native<sup>1</sup>
- Isoetes louisianensis* Thieret  
Louisiana quillwort --native<sup>1</sup>
- Isoetes melanopoda* Gay & Durieu ex Durieu  
blackfoot quillwort --native<sup>1</sup>

### **Equisetaceae -- Horsetail Family**

- Equisetum arvense* L.  
field horsetail --native<sup>1</sup>
- Equisetum hyemale* L. ssp. *affine* (Engelmann) Calder & Roy L. Taylor  
scouringrush horsetail --native<sup>1</sup>

### **Aspleniaceae -- Spleenwort Family**

- Asplenium pinnatifidum* Nutt.  
lobed spleenwort --native<sup>1</sup>
- Asplenium platyneuron* (L.) B.S.P.  
ebony spleenwort --native<sup>1</sup>
- Asplenium resiliens* Kunze  
blackstem spleenwort --native<sup>1</sup>
- Asplenium rhizophyllum* L.  
walking fern --native<sup>1</sup>

- Asplenium trichomanes* L.  
maidenhair spleenwort --native<sup>1</sup>
- Asplenium X ebenoides* R.R. Scott (pro sp.)  
Scott's spleenwort --native<sup>2</sup>

### **Azollaceae -- Mosquitofern Family**

- Azolla caroliniana* Willd.  
Carolina mosquitofern --non-native<sup>1</sup>

### **Blechnaceae -- Chainfern Family**

- Woodwardia areolata* (L.) T. Moore  
netted chainfern --native<sup>1</sup>
- Woodwardia virginica* (L.) Sm.  
Virginia chainfern --native<sup>1</sup>

### **Dennstaedtiaceae -- Bracken Family**

- Pteridium aquilinum* (L.) Kuhn  
western brackenfern --native<sup>1</sup>

### **Dryopteridaceae -- Woodfern Family**

- Athyrium filix-femina* (L.) Roth ssp. *asplenioides* (Michx.) Hultén  
common ladyfern --native<sup>1</sup>
  - Cyrtomium falcatum* (L. f.) K. Presl  
Japanese netvein hollyfern --non-native<sup>1</sup>
  - Cyrtomium fortunei* J. Sm.  
Asian netvein hollyfern --non-native<sup>1</sup>
  - Cystopteris protrusa* (Weatherby) Blasdel  
lowland bladderfern --native<sup>1</sup>
  - Cystopteris tenuis* (Michx.) Desv.  
upland brittle bladderfern --native<sup>2</sup>
  - Deparia acrostichoides* (Sw.) M. Kato  
silver false spleenwort --native<sup>1</sup>
  - Diplazium pycnocarpon* (Spreng.) Brown  
glade fern --native<sup>1</sup>
  - Dryopteris ludoviciana* (Kunze) Small  
southern woodfern --native<sup>1</sup>
  - Dryopteris marginalis* (L.) Gray  
marginal woodfern --native<sup>2</sup>
  - Dryopteris X australis* (Wherry) Small (pro sp.)  
woodfern --native<sup>1</sup>
  - Onoclea sensibilis* L.  
sensitive fern --native<sup>1</sup>
  - Polystichum acrostichoides* (Michx.) Schott  
Christmas fern --native<sup>1</sup>
  - Woodsia obtusa* (Spreng.) Torr.  
bluntlobe cliff fern --native<sup>1</sup>
- ### **Hymenophyllaceae -- Filmy Fern Family**
- Trichomanes boschianum* Sturm  
Appalachian bristle fern --native<sup>1</sup>
  - Trichomanes membranaceum* L.  
scale edge bristle fern --native<sup>4</sup>
  - Trichomanes petersii* Gray  
dwarf bristle fern --native<sup>1</sup>

**Lygodiaceae -- Climbing Fern Family**

- Lygodium japonicum* (Thunb. ex Murr.) Sw.  
Japanese climbing fern --non-native <sup>1</sup>  
*Lygodium palmatum* (Bemh.) Sw.  
American climbing fern --native <sup>2</sup>

**Marsileaceae -- Waterclove Family**

- Marsilea mutica* Mettenius  
Australian waterclove --non-native <sup>5</sup>  
*Marsilea vestita* Hook. & Grev.  
hairy pepperwort --native <sup>3</sup>

**Ophioglossaceae -- Adderstongue Family**

- Botrychium biternatum* (Sav.) Underwood  
sparselobe grapefern --native <sup>1</sup>  
*Botrychium dissectum* Spreng.  
cutleaf grapefern --native <sup>1</sup>  
*Botrychium jenmanii* Underwood  
Dixie grapefern --native <sup>3</sup>  
*Botrychium lunarioides* (Michx.) Sw.  
winter grapefern --native <sup>1</sup>  
*Botrychium virginianum* (L.) Sw.  
rattlesnake fern --native <sup>1</sup>  
*Ophioglossum crotalophoroides* Walt.  
bulbous adderstongue --native <sup>1</sup>  
*Ophioglossum engelmannii* Prantl  
limestone adderstongue --native <sup>1</sup>  
*Ophioglossum nudicaule* L. f.  
least adderstongue --native <sup>1</sup>  
*Ophioglossum petiolatum* Hook.  
longstem adderstongue --native <sup>1</sup>  
*Ophioglossum vulgatum* L.  
southern adderstongue --native <sup>1</sup>

**Osmundaceae -- Royal Fern Family**

- Osmunda cinnamomea* L.  
cinnamon fern --native <sup>1</sup>  
*Osmunda claytoniana* L.  
interrupted fern --native <sup>2</sup>  
*Osmunda regalis* L. var. *spectabilis* (Willd.) Gray  
royal fern --native <sup>1</sup>

**Parkeriaceae -- Water Fern Family**

- Ceratopteris thalictroides* (L.) Brongn.  
watersprite --native <sup>3</sup>

**Polypodiaceae -- Resurrection Fern Family**

- Pleopeltis polypodioides* (L.) Andrews & Windham var.  
*michauxiana* (Weatherby) Andrews & Windham  
resurrection fern --native <sup>1</sup>

**Pteridaceae -- Maidenhair Fern Family**

- Adiantum capillus-veneris* L.  
common maidenhair --native <sup>1</sup>  
*Adiantum pedatum* L.  
northern maidenhair --native <sup>1</sup>  
*Cheilanthes alabamensis* (Buckl.) Kunze  
Alabama lipfern --native <sup>1</sup>  
*Cheilanthes lanosa* (Michx.) D.C. Eat.  
hairy lipfern --native <sup>1</sup>  
*Cheilanthes microphylla* (Sw.) Sw.  
southern lipfern --native <sup>2</sup>  
*Pellaea atropurpurea* (L.) Link  
purple cliffbrake --native <sup>1</sup>  
*Pteris multifida* Poir.  
spider brake --non-native <sup>1</sup>  
*Pteris vittata* L.  
ladder brake --non-native <sup>1</sup>

**Salviniaaceae -- Floating Fern Family**

- Salvinia minima* Baker  
water spangles --non-native <sup>1</sup>  
*Salvinia molesta* D.S. Mitchell  
kariba-weed --non-native <sup>1</sup>

**Thelypteridaceae -- Marsh Fern Family**

- Macrothelypteris torresiana* (Gaud.) Ching  
swordfern --non-native <sup>1</sup>  
*Phegopteris hexagonoptera* (Michx.) Fée  
broad beechfern --native <sup>1</sup>  
*Thelypteris dentata* (Forsk.) E. St. John  
mountain woodfern --native <sup>1</sup>  
*Thelypteris hispidula* (Dcne.) C.F. Reed var.  
*versicolor* (R. St. John) Lellinger  
roughhairy maiden fern --native <sup>1</sup>  
*Thelypteris kunthii* (Desv.) Morton  
Kunth's maiden fern --native <sup>1</sup>  
*Thelypteris noveboracensis* (L.) Nieuwl.  
New York fern --native <sup>1</sup>  
*Thelypteris palustris* Schott var. *pubescens* (Lawson)  
Fern.  
eastern marsh fern --native <sup>1</sup>

<sup>1</sup> MMNS, MDWFP, MMNS Herbarium. 2007. Access Database.

<sup>2</sup> McCook, L.M., and J. Kartesz. 2000. A preliminary checklist of the plants of Mississippi. Website: [herbarium.olemiss.edu/checklist.html](http://herbarium.olemiss.edu/checklist.html).

<sup>3</sup> MISS, Pullen Herbarium, Department of Biology, University of Mississippi, University, MS 38677 ([herbarium.olemiss.edu](http://herbarium.olemiss.edu)).

<sup>4</sup> Mississippi Natural Heritage Program, 2006. Special Plants Tracking List. Museum of Natural Science, Mississippi Dept. of Wildlife, Fisheries and Parks, Jackson, MS. 8 pp.

<sup>5</sup> Wieland, Ron. 2003. Introduced Vascular Plants of Mississippi. Unpublished.

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