

APPENDIX D

Montana's Herbaria



STATE HERBARIA IN MONTANA

University of Montana Herbarium [MONTU]

Location	<ul style="list-style-type: none"> ▪ Mailing address: Herbarium, Biological Sciences Division, University of Montana, Missoula. MT 59812 ▪ Physical location: 302/303 Natural Sciences, University of Montana, Missoula ▪ Website: https://hs.umt.edu/herbarium/default.php
Curator/ Collection Manager	<p>Giovanna Bishop. Email: giovanna.bishop@mso.umt.edu</p>
Mission Statement	<p>To continue to assemble and maintain a collection of the flora of the Western Cordillera and Great Plains, including those circumboreal genera with representatives in this region.</p>
Collections	<ul style="list-style-type: none"> ▪ Approximately 135,000 vascular plants. Of these, roughly 79,000 specimens and labels are digitized; and roughly 76,000 specimens are imaged and accessible on the Consortium of Pacific Northwest Herbaria portal at: https://www.pnwherbaria.org/data/search.php ▪ Approximately 3,000 mosses. The Montana specimens are accessible at the Consortium of Bryophyte Herbaria at: https://bryophyteportal.org/portal/ ▪ Approximately 2,000 lichens (which are in need of digitizing) ▪ Approximately 6,200 diatom slides representing the Montana Diatom Collection ▪ Approximately 16,000 specimens from the Missoula Research Center [MRC] herbarium, curated by Dr. Peter Stickney and housed at MONTU, are being digitized and will be accessible at: http://hs.umt.edu/herbarium/default.php ▪ Fungal collections are being re-instated in 2024
Support Group	<p>Friends of the University of Montana Herbarium: https://www.umt.edu/herbarium/friends-of-the-herbarium/friends.php</p>
Strategic Plan	<p>The University of Montana Herbarium 2021 Strategic Planning Document: https://www.umt.edu/herbarium/friends-of-the-herbarium/strategic-plan.php</p>
Services	<ul style="list-style-type: none"> ▪ Open to the public by appointment ▪ Herbarium tours ▪ Assistance with plant identification and querying digital data ▪ Specimen loans and digital data by request

STATE HERBARIA IN MONTANA

Montana State University [MONT]

Location	<ul style="list-style-type: none"> ▪ Mailing address: Department of Plant Sciences and Plant Pathology, P.O. Box 173150, Montana State University, Bozeman, MT 59717-3150 ▪ Physical location: 408 Lewis Hall, Montana State University, Bozeman ▪ Website: https://www.montana.edu/mlavin/herb/index.html
Curator	<p>Dr. Matt Lavin, emeritus. Email: mlavin@montana.edu MONT Email Address: msuherbarium@montana.edu</p>
Mission Statement	<p>To focus on the native and introduced flora of Montana and adjacent regions, particularly rangeland and cropland settings. To assist MSU faculty and staff, federal agency staff, and others in plant identification and research, particularly with agricultural and rangeland research. To contribute to efforts that enhance the connectivity of herbaria in Montana and the Pacific Northwest region.</p>
Collections	<ul style="list-style-type: none"> ▪ Approximately 80,000 collections of vascular plants. <ul style="list-style-type: none"> - 55,000 Montana plant collections have been imaged and accessible on the Consortium of Pacific Northwest Herbaria portal at: https://www.pnwherbaria.org/data/search.php, and GBIF at: https://www.gbif.org/dataset/d7c0e1e4-2e93-4e87-8a85-d88b89a4a782 - Yellowstone National Park wetland plant collection duplicates stored at MONT - Type specimens of 253 holotypes and isotypes, primarily collected by such notable botanists as: J.W. Blankenship, P.A. Rydberg, R.S. Williams, L. Constance, C.L. Hitchcock, F.D. Kelsey, J.F. MacBride, M. Mathias, A. Nelson, F.W. Pennel, and R.C. Rollins. ▪ Approximately 8,000 lichen collections are available online through the Consortium of Lichen Herbaria portal at: https://lichenportal.org/portal/, and GBIF at: https://www.gbif.org/dataset/ae9c6967-ba93-4be4-9890-4952fe0941e0 ▪ Former bryophyte collection is on permanent loan to the University of Wisconsin [WISC]. Available by searching on "MONT" at the Consortium of Bryophyte Herbaria at: https://bryophyteportal.org/portal/
Services	<ul style="list-style-type: none"> ▪ Open to the public by appointment for research into the plant diversity of Montana ▪ Assistance with plant identification and querying digital data ▪ Specimen loans to institutions listed in Index Herbariorum, and digital data by request

STATE HERBARIA IN MONTANA

Montana State University-Billings [MSUB]

Location	Physical and mailing address: Montana State University-Billings Herbarium, Yellowstone Science and Health Building, Room 30, Billings, MT 59101
Curator	Dr. Jason Comer. Email: jason.comer@msubillings.edu
Mission	To classify and catalog global floral diversity, prioritizing the Eastern Montana region. MSUB Herbarium provides and promotes botanical education, research, and outreach.
Vision Statement	To become a center for botanical education and research in Eastern Montana. The MSUB herbarium is in a unique position to act as a crossroads for undergraduate students, professionals, and the local community.
Collections	Approximately 12,000 vascular specimens, emphasizing Eastern Montana and the Beartooth Plateau
Services	<ul style="list-style-type: none">▪ Open to the public by appointment▪ Assists MSUB students, MSU Extension Service agents, and government employees in identifying plant specimens. Provides secondary assistance with plant identification. Please email the MSUB Curator to request a Plant ID Request Form and protocol. Citizens should route their plant specimens to their local country extension office first.

FEDERAL HERBARIA IN MONTANA

Glacier National Park [GLAC]

Location	<p>West Glacier, Montana</p> <ul style="list-style-type: none"> ▪ Mailing address: Glacier National Park, c/o Museum/Archives, PO Box 128, West Glacier, MT 59936 ▪ Physical address: West Glacier ▪ Website: https://www.nps.gov/glac/learn/historyculture/collections.htm
Curator	Jean Tabbert. Email: jean_tabbert@nps.gov
Mission Statement	To continue to assemble and maintain a collection of the Glacier National Park (GNP) flora.
Collections	<ul style="list-style-type: none"> ▪ 1,182 specimens of known vascular plants ▪ 858 specimens of known moss and lichen taxa ▪ More than 140 specimens of identified fungi
Support Group	Glacier National Park Conservancy
Strategic Plan	<i>Glacier National Park 2014 Scope of Collection Statement</i> . Approved by the GNP superintendent.
Services	<ul style="list-style-type: none"> ▪ Research-grade access by appointment only; no specimen browsing is allowed ▪ Assistance in plant identification from the park's botany staff (subject to staff availability) ▪ Loans to institutions that meet National Park Service (NPS) museum standards

Yellowstone National Park [YELLO]

Location	<ul style="list-style-type: none"> ▪ Mailing address: Heidi Anderson, Yellowstone National Park, PO Box 168, Mammoth, WY 82190 ▪ Physical address: Heritage and Resources Center, 20 Old Yellowstone Trail, Gardiner, Montana ▪ Website: https://www.nps.gov/yell/learn/nature/herbarium.htm
Curator/ Collection Manager	Heidi Anderson. Email: Heidi_Anderson@nps.gov
Mission Statement	To continue to assemble and maintain a collection of Yellowstone National Park (YNP) flora.
Collections	<ul style="list-style-type: none"> ▪ Approximately 13,064 vascular plants ▪ Approximately 5,962 mosses and liverworts ▪ Approximately 1,823 lichens, fungi, and other collections. ▪ Extensive collection of wetland plants, including a nearly complete collection of the native aquatic vascular plants found throughout the western United States. ▪ Extensive collection of mosses for YNP and other areas of the Rocky Mountains.
Services	<ul style="list-style-type: none"> ▪ Open to the public by appointment ▪ Herbarium tours (by appointment only) that focus on the YNP flora and a summary of the collection ▪ Access to online specimen data is not yet available

FEDERAL HERBARIA IN MONTANA

Beaverhead-Deerlodge NF Herbarium [BDNF]

Location	Beaverhead-Deerlodge National Forest, Dillon, Montana <ul style="list-style-type: none"> ▪ Mailing address: c/o Jessie Salix, 420 Barrett St., Dillon, MT 59725
Curator/Collection Manager	Jessie Salix, curator. Email: jessica.salix@usda.gov
Mission Statement	To maintain a collection of the flora that represents the Beaverhead-Deerlodge National Forest and surrounding lands.
Collections	<ul style="list-style-type: none"> ▪ Approximately 1,217 vascular plants ▪ Approximately 170 mosses ▪ Approximately 340 lichens
Services	<ul style="list-style-type: none"> ▪ An agency resource herbarium that is not publicly accessible without prior scheduling with Jessie Salix ▪ Access to online specimen data is not yet available

Bitterroot National Forest Herbarium [BNFH]

Location	<ul style="list-style-type: none"> ▪ Mailing address: c/o Lea Tuttle 1801 North 1st Street Hamilton, MT 59840 ▪ Physical address: Bitterroot National Forest, Hamilton
Curators	<ul style="list-style-type: none"> ▪ Lea Tuttle, curator. Email: lea.tuttle@usda.gov ▪ Laura Johnston, assistant curator. Email: laura.johston@usda.gov
Mission Statement	To maintain a collection of the flora that represents the Bitterroot National Forest (BRF).
Collections	<ul style="list-style-type: none"> ▪ Approximately 1,080 vascular plants ▪ Approximately 53 mosses ▪ Approximately 139 lichens ▪ Approximately 7 liverworts ▪ Three sets of Civilian Conservation Corps (CCC) herbarium plant binders, each with approximately 100 specimens
Services	<ul style="list-style-type: none"> ▪ An agency resource herbarium that is not publicly accessible without prior scheduling with Lea Tuttle ▪ Access to online specimen data is not yet available

PRIVATE HERBARIUM IN MONTANA

Tu-Hi Hong and Pum-Hi Hong Herbarium at Great Falls [GFC]

Location	<p>University of Providence, Great Falls, Montana</p> <ul style="list-style-type: none">▪ Mailing address: University of Providence, Biology Department, 1301 20th Street South, Great Falls, MT 59405
Curator / Collection Manager	<ul style="list-style-type: none">▪ Curated by Dr. Won Shic Hong (deceased)▪ Maintained by Yoon-Hee Hong. Email: ms.yoonheehong@gmail.com
Collections	<ul style="list-style-type: none">▪ Small collection of vascular plants from Montana▪ Approximately 30,000 liverwort specimens from Korea, Canada, the United States, and other countries. This collection includes specimens representing the Hepaticae (liverworts) found in the state of Montana.
Services	<ul style="list-style-type: none">▪ A private herbarium not currently open to the public▪ Any requests should be directed to Yoon-Hee Hong



Photo Credit: Jane Olson

Photo D-2: At the end of a plant collecting project, a botany crew in Montana poses with plant collecting press, supplies, and a hori-hori tool.