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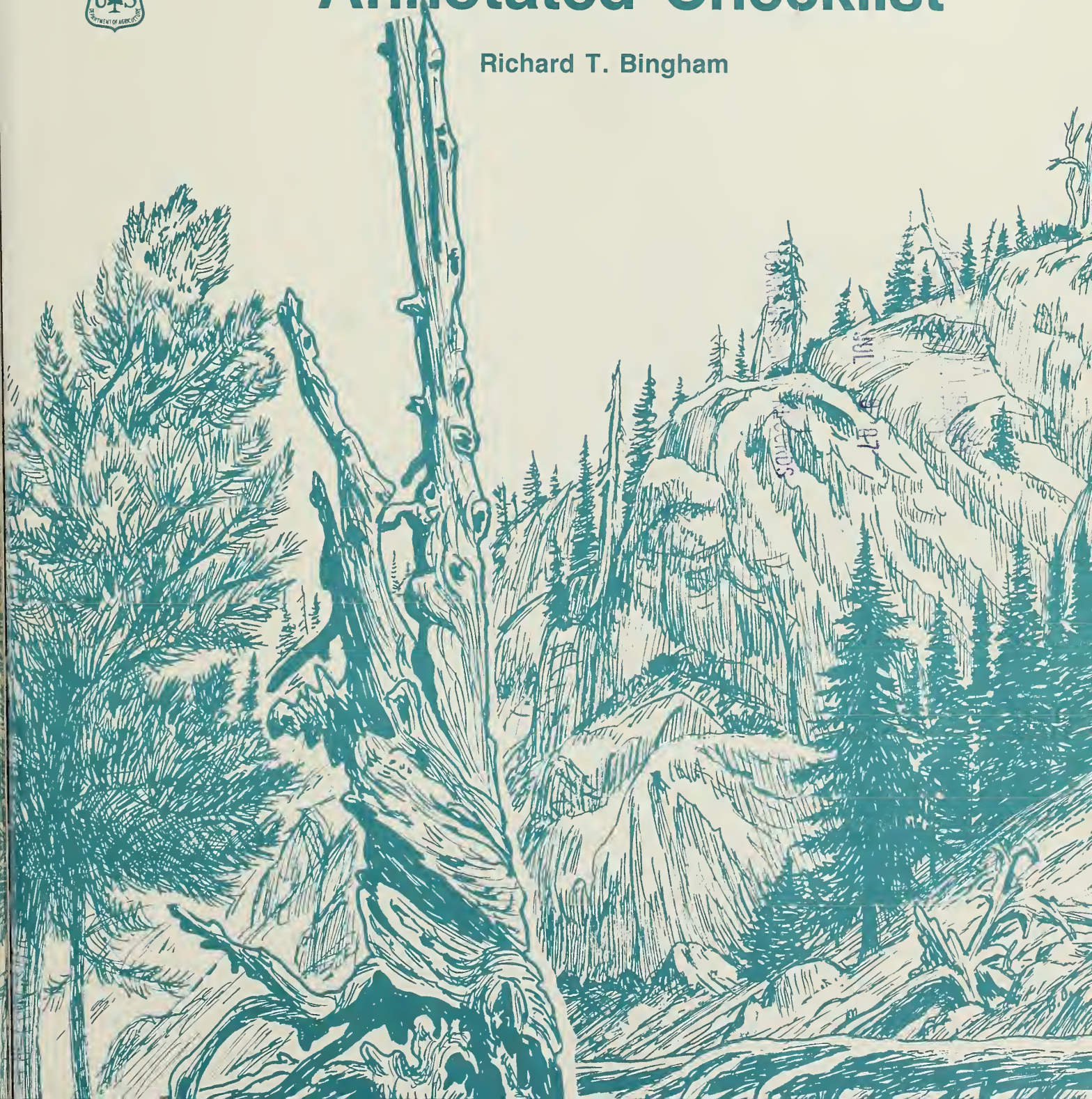
Intermountain  
Research Station

General Technical  
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# Plants of the Seven Devils Mountains of Idaho—An Annotated Checklist

Richard T. Bingham



## THE AUTHOR

**RICHARD T. (DICK) BINGHAM** retired from the Intermountain Station in 1974, after 34 years with the Forest Service. The greater part of his research career was spent leading a successful, 25-year program of breeding for blister rust resistance in western white pine. This work is summed up in his General Technical Report INT-146, "Blister Rust Resistant Western White Pine for the Inland Empire," 1978, and in *American Forests*, December 1984, "New Beginning for the Western White Pine," by Louise Kingsbury. Since retirement, Dick has continued to work as a Forest Service volunteer, both for the Intermountain Station and the Hells Canyon National Recreation Area. In this capacity, he has coauthored two local plant floras written for the NRA—with D. M. Henderson of the University of Idaho, a "Guide to the Common Plants of Hells Canyon" (1978), and with C. J. Miller, Forest Service volunteer from St. Maries, ID, a "Guide to the Common Plants of the Seven Devils Mountains" (in press).

## RESEARCH SUMMARY

The author has assembled a checklist of 722 plant taxa found above 5,000 ft elevation in the Seven Devils Mountains and along the Wild River Corridor of the Rapid River of west-central Idaho. This list is based on the author's and Clyde J. Miller's field work and on data compiled from the labels of specimens of seven regional herbaria, altogether representing 45 individuals who collected plants in the Seven Devils Mountains between 1899 and 1984. The checklist rates taxa for frequency of occurrence and general geographic and elevational distribution.

The checklist includes annotations for almost 2,700 plant collections from the Seven Devils and deposited in seven Inland Northwest herbaria (BKR, BOIS, Council R.D., ID, IDF, OGDF, and WS; see text, table 2). Each plant collection cited is accompanied by the following annotations: collector's name, his or her accession number, herbarium of deposition, specific locality and elevational data, and habitat information where available from the herbarium label.

The checklist will be of interest to vegetation managers and researchers, including systematic botanists, forest ecologists, silviculturists, range conservationists, and those who monitor rare plants.

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# Plants of the Seven Devils Mountains of Idaho—An Annotated Checklist

Richard T. Bingham

## INTRODUCTION

During the summers from 1977 through 1983, the author and fellow Forest Service volunteer Clyde J. Miller (formerly of the St. Joe National Forest) traveled most of the trails and roads of west-central Idaho's Seven Devils Mountains—observing, collecting, and identifying the plants found there. The first objective of this pleasant work has been to produce a layman's guide to the common plants of these scenic, wilderness mountains, and this goal is largely in hand, with the completion of the manuscript "Guide to the Common Plants of the Seven Devils Mountains," submitted to the Hells Canyon National Recreation Area in February 1983. A second objective has been to provide a solid foundation—this checklist—toward a technical and complete flora of the Seven Devils Mountains.

For purposes of this checklist, the Seven Devils Mountains include those forest and grass lands lying above 5,000 ft elevation along the divide between the Snake River on the west and the Salmon, Little Salmon, or Weiser rivers on the east, from Camp Howard (5 mi southwest of White Bird, ID, lat. 45° 43' N.) on the north, to Sheep Peak, also known as Sheep Mountain, on the south but not Sheep Rock (5 mi south-southeast of the Snake River Oxbow and 1½ mi northwest of the Wildhorse River, lat. 44° 54' N.). (See Nez Perce National Forest map.) More specifically, proceeding southward and clockwise from Camp Howard Cow Camp along its east side, the study area is defined by Big Canyon Saddle, Grave Point, Cow Creek Saddle, Buckhorn Spring, Papoose Saddle, Aitken Spring, Rattlesnake Spring, Lockwood Point, Campbell Cow Camp, Pollock Mountain, Ant Butte, Lick Creek Lookout, Huckleberry Camp, heads of Grouse and Fawn Creeks, and the divides between Bear and Indian Creeks, then the Wildhorse and Snake Rivers to Sheep Peak (or Sheep Mountain) on the south. Then going north along its west side, the study area is defined by Horse Mountain, Lockwood Saddle, Kinney Point, Sheep Rock, Cliff Mountain, Granite Mountain, the west side of Potato Hill, Timbered Bench, Three Creek Point, Dry Diggins Lookout, McGaffee Cow Camp, Low Saddle, Sawpit Saddle, Forest Service road 2060, Kirkwood Corrals, Dixon Corrals, and Wild Horse Butte back to Camp Howard.

This often narrow strip of extremely rough and broken country runs for about 60 mi north and south but averages less than 5 mi wide east and west (from less than 1 mi to more than 13 mi). Most of it lies within the Hells Canyon Wilderness of the Hells Canyon National Recreation Area, while perhaps a third of it, on the north, east, and south, falls in the Slate-Salmon Ranger District of the Nez Perce National Forest or in the Council Ranger District of the Payette National Forest. Also included is the Rapid River Wild River Corridor, running between 2,200 and 7,400 ft in elevation, upstream from the Circle C State Fish Hatchery. Most of the typically low-elevation plant taxa in the checklist were found along trail 113 in the lower Rapid River Corridor. Probably fewer than 5 mi<sup>2</sup> of private lands are included—patented mining claims or high grazing lands, the latter almost exclusively on the south.

This checklist includes 722 plant taxa, 293 genera, and 71 families, represented by 2,700 different, mounted herbarium collections and 5,470 sight records made by experienced observers. The checklist has been assembled over 4 years, as follows:

1. A core list of about 535 taxa was developed using the field collection notes of four contemporary collectors, or parties of collectors. The list included 500 taxa from the 620 collections and 3,600 sight records of Bingham and Miller, and 35 additional taxa from the 74 collections and 123 sight records of D. M. Henderson, E. W. Tisdale, and C. A. Wellner (see table 1 for more information on these collectors).

2. The 535-taxon list then was checked through the three local herbaria (the University of Idaho Herbarium, acronym ID; the University of Idaho College of Forestry, Wildlife and

**Table 1**—Seven Devils Mountains plant collectors with notes on their places of work and affiliated herbaria, date, locality and number of their plant collections, and on their field collection records

**Legend:**

- (A) Name of collector(s) (if underlined, deceased)
  - (B) Years collected
  - (C) Affiliated herbaria
  - (D) Place of work when collections were made
  - (E) Description and disposition of any field collection records
  - (F) Localities where collections were made (see Nezperce and Payette N.F. maps)
  - (G) Number of collections: G1 = Number seen,  
G2 = Approximate total number
- (A) Aase, Hannah C. (B) 1940 (C) WS (D) Botany Department, Washington State University, Pullman (E) Collections dated, not numbered, no records found at WSU botany department or library archives (F) Vicinity of Heavens Gate Lookout (G1) 1 (G2) 1<sup>+</sup>
  - (A) Aldrich, John (B) 1907 (C) ID (D) Entomology Department, University of Idaho, Moscow (E) Collections dated, not numbered, no records found at ID or university (F) Camp Howard (probably the Cow Camp) (G1) 14 (G2) 14<sup>+</sup>
  - (A) Baird, Dan (B) 1971-72 (C) Council R.D. (D) Council Ranger District, Payette National Forest, Council, ID (E) No notes found at Council but complete herbarium search made there (F) Rds. 108 and 106 Horse Mountain to Sheep Rock, rd. 105 Bear Guard Station to Cuprum, rd. 002 Summit Creek and Huntley Gulch to top of Kleinschmidt Grade, rd. 112 Placer Basin to Black Lake, trail 214 Black Lake to Horse Heaven Lookout, and trail 227 Helena to head of Camp Creek (G1) 52 (G2) 52<sup>+</sup>
  - (A) Baker, William H. (B) 1953, 1954, 1955 (C) ID (D) Herbarium, University of Idaho, Department of Biological Sciences, (E) Collection notebooks at ID (F) rd. 106 to Sheep Rock; Rd. 517 in Papoose and Shingle Creeks; Windy Saddle to Heavens Gate L.O.; Seven Devils Gd. Station; White Bird Ridge and lower Rapid River (G1) 196 (G2) 219
  - (A) Bingham, Richard T. and Miller, Clyde J. (B) 1977-83 (C) ID, IDF, WS (D) Intermountain Research Station, USFS, Moscow, ID (E) Records at Bingham's home (bequeathed to ID), Seven Devils trail and road plant surveys produced 3,592 sight records (F) All of Seven Devils except extreme south (Sheep Peak) or east (Pollock Mountain plus White Bird Ridge to Lick Creek L.O.) (G1) 620 (G2) 620
  - (A) Brewer, Vernon M. (B) 1928-31 (C) IDF, Council R.D. (D) Bear Ranger District, Weiser (now Guard Station, Payette) National Forest (E) 95 of 142 collections found in IDF or Council R.D. herbaria, but no records there (F) Rds. 106 to Helena and 112 to Black Lake; trails 190, 191, 217 and 219; Sheep Peak or Mountain; heads of Summit Gulch and Boulder Creek (G1) 47 (G2) 100<sup>-</sup>
  - (A) Burkhardt, J. Wayne (B) 1968 (C) IDF (D) College of Forestry, University of Idaho, Moscow (E) No records found, correspondence unanswered (F) Kleinschmidt Grade; 5,000 ft (G1) 1 (G2) 1<sup>+</sup>
  - (A) Christ, John H. (B) 1937, 1940, 1941 (C) ID, NY, WS (D) Idaho Agric. Exp. Stn., Sandpoint, ID and Soil Conservation Service, Portland, OR (E) Collection ledgers at ID, main collection at NY (F) Black Lake, Pyramid Peak, vicinity Cuprum, Seven Devils Lake, Windy Saddle, Heavens Gate L.O., trail 112 Windy Saddle to Hibbs Cow Camp, 123 to Lily Pad Lake, "Sheep Creek Swamp," and Sheep Lake, and 124 to Baldy Lake (G1) 115 (G2) 435
  - (A) Comstock, Verne E. (B) 1939 (C) WS (D) Agronomy Department, Washington State University, Pullman (E) Records lost, teste Comstock (F) Lightning Creek (off Sheep Creek), ? trails 52 or 53 (G1) 6 (G2) 10
  - (A) Cusick, William C. (B) 1899 (C) GH, WS, ORE (D) Self-employed farmer and plant collector with farm near Union, OR (E) Supposedly at ORE, but 1899 records missing, teste D. H. Wagner, curator (F) Kleinschmidt Grade from Snake River to Old Helena and Peacock Mines (G1) 7 (G2) 8<sup>+</sup>
  - (A) Davis, Ray J. (B) 1940 (C) IDF, IDS, WS (D) Idaho State University, Pocatello (E) Records discarded in 1982, teste his son, H. W. Davis (F) Grave Point, Heavens Gate, trails 112 and 56 to Dry Diggins L.O. and Bernard Lakes (G1) 43 (G2) 154<sup>-</sup>
  - (A) Gentry, Johnnie L. and Davidse, Gerrit (B) 1967 (C) F, ID (D) Field Museum of National History, Chicago, IL (E) No reply to two inquiries (F) Rd. 517 east of Heavens Gate L.O. (G1) 1 (G2) 1<sup>+</sup>
  - (A) Henderson, Douglass M. (B) 1977 (C) ID (D) University of Idaho Herbarium, Department of Biological Sciences, Moscow (E) Records obtained from Henderson at ID (F) Goat Pass manway to Sheep Lake, trail 123 Sheep Lake to trail 112, trail 112 Hibbs Cow Camp to Windy Saddle (G1) 19 (G2) 19

(con.)



Table 1. (Con.)

- (A) Hermann, Frederick J. (B) 1955 (C) MICH, NA, RM, US, WS (D) Rocky Mountain Forest and Range Experiment Station, Fort Collins, CO (E) Field records photocopied and sent by MICH (F) Cold Springs L.O., Shingle Creek along road 517, Heavens Gate L.O. (G1) 18 (G2) 18
- (A) Hibbs, Esther C. (Mrs. Earl E. Hibbs) (B) 1937 (C) WS (D) Department of Fine Arts, Washington State University, Pullman (E) Collections dated, not numbered, no records kept, teste Hibbs (F) Dry Diggins area, Hibbs Cow Camp, "The Swamps" (G1) 6 (G2) 6<sup>+</sup>
- (A) Holmgren, Arthur H., and Tillett, Stephen S. (B) 1953, 1954 (C) UTC, WS (D) Intermountain Herbarium, Biology Department, Utah State University, Logan (E) No reply to two inquiries (F) Kleinschmidt Grade, vicinity of Cuprum, and Kinney Point (G1) 5 (G2) 8<sup>+</sup>
- (A) Howell, L. (B) 1974 (C) ID (D) Unknown (probably University of Idaho student) (E) Unable to locate (F) 6 mi up Rapid River (G1) 1 (G2) 1<sup>+</sup>
- (A) Johnson, Charles G., Jr. (B) 1982-84 (C) BKR, ID, WS (D) Wallowa-Whitman National Forest, Baker, OR (E) Records for fifteen 1982 and seventy-seven 1983 recon. plots, included 1,550 sight records, sent by Johnson; list of collections, dated only but mostly identified by BKR Herbarium numbers (F) All of Seven Devils except extreme south (Sheep Peak), southwest (rd. 106 to Kinney Point and Sheep Rock), and east (Pollock Mountain to Lick Creek L.O.) (G1) 74 (G2) 74
- (A) Johnson, E. C. (B) 1931 (C) Unknown (D) Unknown (E) Single collection cited by Hitchcock and others, Part 2, p. 131, 1964 (F) Rds. 105 and 112, Black Lake to Bear P.O. (G1) 1 (G2) 1<sup>+</sup>
- (A) Johnson, Frederic D. (B) 1962, 1964, 1968 (C) IDF (D) College of Forestry, University of Idaho, Moscow (E) Collections dated, not numbered, no other collections recalled, teste Johnson (F) Heavens Gate, Cow Creek Saddle, Pittsburg Saddle (G1) 5 (G2) 5<sup>+</sup>
- (A) Jones, Marcus E. (B) 1899 (C) RSA (D) Consulting geologist to Pacific and Idaho Northern R.R. and commercial plant collector (E) Presumably no records exist since these kept only late in Jones' life, teste L. W. Lenz, Director, RSA. A single collection is cited by Hitchcock and others, Part 3, p. 327, 1961 (F) Southern Seven Devils (probably near Cuprum) (G1) 1 (G2) 1<sup>+</sup>
- (A) Jones, Quentin (B) 1950 (C) ID, WS (D) Botany Department, Washington State University, Pullman (E) 1950 records lost, teste Jones (F) Heavens Gate L.O. and rd. 517 near Shingle Creek (G1) 36 (G2) 40<sup>+</sup>
- (A) Kruckeberg, Arthur R. (B) 1951, 1952 (C) WTU, WS, etc. (D) Botany Department, University of Washington, Seattle (E) 1951 records missing (4<sup>+</sup> collections), teste Kruckeberg, but 1952 records photocopied and sent by Kruckeberg (F) Windy Saddle, Seven Devils Guard Station, trail 112 and 56 to Dry Diggins L.O., trail 123 to Shelf Lake (G1) 36 (G2) 38<sup>+</sup>
- (A) LaZelle, Monta C. (B) 1963 (C) ID (D) University of Idaho, herbarium, Department of Biological Sciences, Moscow (E) No records kept, teste LaZelle (F) Seven Devils Campground, Lake, and Gd. Station (G1) 17 (G2) 22<sup>±</sup>
- (A) Lewis, Mont E. (B) 1972 (C) BOIS (D) Retired, division range management, U.S. Forest Service, Ogden, UT (E) Lewis can't find 1972 records but 1967 records found (F) Rd. 105 and 108 and rd. 002 at Bear-Cuprum Creeks divide north of Cuprum (G1) 26 (G2) 30<sup>+</sup>
- (A) McDowell, W. A. (B) 1926 (C) Council R.D. (D) Hornet Ranger District, Weiser National Forest (now Hornet Guard Station, Payette National Forest) Council, ID (E) No notes found at Council but complete herbarium search made there (F) Placer Creek (fork of Indian Creek) (G1) 1 (G2) 1<sup>+</sup>
- (A) Meyer, Frederick G. (B) 1936, 1937, 1939 (C) WS (D) Botany Department, Washington State University, Pullman (E) No reply to two inquiries (F) Ridges above lower Sheep Creek, McGaffee Cow Camp, "Seven Devils Mountains" (G1) 10 (G2) 19<sup>±</sup>
- (A) Moore, William R. (B) 1936 (C) WS (D) Department of Forestry, Washington State University, Pullman (E) Original field notes sent by Moore (F) Bernard Creek, McGaffee Cow Camp, ridge above McGaffee Cow Camp (G1) 20 (G2) 23
- (A) Munro, Gerald W. (B) 1937 (C) WS (D) Horticulture Department, Washington State University, Pullman (E) No reply to two inquiries (F) "Foot of Seven Devils Mountains," McGaffee Cow Camp, and ridge north of McGaffee Cow Camp (G1) 10 (G2) 12<sup>+</sup>
- (A) Nelson, Aven, and Nelson, Ruth A. (B) 1938 (C) RM, WS (D) Rocky Mountain Herbarium, University of Wyoming, Laramie (E) Records photocopied and sent by RM, 16 of 65 collections verified as there and nearly all believed there, teste B. E. Nelson, herbarium manager (F) "Rapid River trail," summit He Devil Mountain, Dry Diggins Area, Dry Diggins "Ranger Station or Camp," Horse Heaven, "Silver Springs trail" (G1) 18 (G2) 65

(con.)

Table 1. (Con.)

- (A) Owney, Marion, and Meyer, Frederick G. (B) 1940 (C) WS (D) Botany Department, Washington State University, Pullman (E) Collection records photocopied at WSU Library Archives, four collections unidentified (F) Papoose Creek along rd. 517, trail 112 from Windy Saddle to Hibbs Cow Camp, vicinity of Heavens Gate (G1) 30 (G2) 35
- (A) Packard, Jacqueline (Mrs. William R. Moore) (B) 1936-39 (C) WS (D) Botany Department, Washington State University, Pullman (E) 1937 field collection notebook and fragmentary 1936, 1938, 1939 records sent by Mrs. Moore (F) McGaffee Cow Camp, Little Granite Creek, trail 112, Hibbs Cow Camp, Dry Diggins Area, Lily Pad Lake, Basin, Shelf, Gem, and Sheep Lakes, "The Swamps," Stormy Point and Low Saddle (G1) 110 (G2) 123<sup>+</sup>
- (A) Pennell, Francis W. (B) 1937 (C) PH, WS (D) Philadelphia Academy of Natural Sciences, Philadelphia, PA (E) Collection records photocopied and sent by PH Archives, three collections verified by PH assistant curator A. E. Schuyler (F) "Mailbox Saddle," Smith Mountain, Black Lake (G1) 5 (G2) 30
- (A) Peters, Don L. (B) 1936 (C) WS (D) College of Agriculture, Washington State University, Pullman (E) Search for records still proceeding (F) Vicinity McGaffee Cow Camp (G1) 3 (G2) 22<sup>+</sup>
- (A) Sharp, Lee A., and McKendrick, Jay D. (B) 1965 (C) IDF (D) Range Management Department, College of Forestry, University of Idaho, Moscow (E) Collections dated, not numbered, Sharp has no recollection of other collections (F) Heavens Gate Lookout (G1) 2 (G2) 2<sup>+</sup>
- (A) Sharsmith, Carl W. (B) 1939 (C) WS (D) Botany Department, Washington State University, Pullman (E) Collection records photocopied at WSU Library Archives (F) Rim of Snake River Canyon in Sheep Creek, ridge overlooking upper basin of Sheep Creek (G1) 2 (G2) 2
- (A) Simon, Steven (B) 1984 (C) BKR (D) Wallowa-Whitman National Forest, Baker, OR (E) All Seven Devils collections seen at BKR (F) Horse Heaven Lookout and vicinity of Haas Lake (G1) 4 (G2) 4
- (A) Spellenberg, Richard, and Spellenberg, Marie (B) 1967 (C) ID, WS, WTU (D) Botany Department, University of Washington, Seattle (E) Photocopies of records sent by Spellenberg (F) Rd. 106, 5 mi north of Cuprum to Kinney Point (G1) 1 (G2) 2
- (A) St. John, Harold, and Mullen, Lowell A. (B) 1927 (C) WS (D) Botany Department, Washington State University, Pullman (E) Photocopies of field collection records sent by St. John (F) Lime Saddle, The Narrows, trail 110 from Papoose Creek to McGaffee Cow Camp, Bernard Creek, trail 140 from McGaffee Cow Camp to trail 112, Dry Diggins, Lily Pad Lake, head of the Echo Lake fork of Little Granite Creek, He Devil Mountain (G1) 159 (G2) 176
- (A) Steele, Robert (B) 1972, 1974, 1981 (C) BOIS, ID, IDF (D) Intermountain Research Station, Boise, ID (E) Photocopies of seven BOIS labels sent by Steele, also of 203 sight records from seven plots, all known Seven Devils taxa searched for at BOIS by author (F) Rd. 517 below the south fork of Papoose Creek, Heavens Gate, Cuprum rds. 105 and 002, and heads of Fawn Creek and Grouse Creek along rd. 127 (G1) 14 (G2) 14<sup>+</sup>
- (A) Taylor, Ronald J. (B) 1967 (C) WWB (D) Department of Biology, Western Washington University, Bellingham (E) List of collections sent by Taylor (F) Vicinities of Shelf, Gem, and Sheep Lakes (G1) 8 (G2) 8
- (A) Tisdale, Edwin W. (B) 1978, 1979 (C) IDF (D) Department of Range Management, College of Forestry, University of Idaho, Moscow (E) Collections dated, not numbered. No serial records kept but probably most collections found in IDF, records of 118 sight records from nine plots provided by Tisdale (F) Low Saddle, Cold Springs Cow Camp, Cold Springs L.O., Bald Mountain, and Seven Devils Guard Station pasture (G1) 29 (G2) 29<sup>+</sup>
- (A) Tucker, Helen M. (B) 1932 (C) CIC, ID (D) College of Idaho, Caldwell (E) No records at CIC, search continuing, collections dated, not numbered (F) Rapid River (G1) 2 (G2) 2<sup>+</sup>
- (A) Wellner, Charles A. (B) 1978 (C) ID, IDF (D) Intermountain Research Station, Moscow, ID (E) Wellner's records copied by author (F) Pollock Mountain, vicinities of Sheep, Gem, Echo, Baldy and Little Baldy Lakes (G1) 26 (G2) 26
- (A) Wherry, Edgar T. (B) 1940 (C) PH (D) Philadelphia Academy of Natural Sciences, Philadelphia, PA (E) No records at PH, search continuing at University of Pennsylvania (F) Black Lake (G1) 1 (G2) 1<sup>+</sup>

Range Sciences Research Herbarium, IDF; and the Marion Ownbey Herbarium of Washington State University, WS). These herbarium searches provided much more information confirming the presence of the 535 taxa and extending their known distributions in the Seven Devils. More importantly, it uncovered the names of many others who had collected in the Seven Devils.

3. Notable among these collectors were four botanists whose collections, as found in the herbaria, could be augmented with additional collections reported in their field collection notes. These botanists were John H. Christ of the Soil Conservation Service, U.S. Department of Agriculture (collection ledgers at ID, 435 collections); William H. Baker, former Director, ID (accession books at ID, 219 collections); Harold St. John, Professor of Botany at Washington State [then] College and author of the "Flora of Southeastern Washington and Adjacent Idaho" (1937) (photocopies of Seven Devils field collection notes obtained by correspondence with St. John, 176 collections); and Jacqueline Packard, Washington State College botany graduate student (fragmentary field collection notes obtained by correspondence with Mrs. Jacqueline Packard Moore, 123 collections). These 950 collections included 130 additional taxa, which when checked through the three local herbaria, generated additional names and collections.

4. In addition to the eight collectors or collection parties above, successive herbarium searches, including those at BOIS and OGDF, generated the names of another 37 collectors or parties (table 1). All but two (E. C. Johnson and L. Howell, each having made only one known collection) were located. Thus 35 additional field collection records might be accessible, either through personal correspondence, or if deceased (11 collectors), through an agency. Aided by Steiber's (1982)<sup>1</sup> register of collector's field notes, inquiries were mailed to 34 collectors, their agencies, or herbaria. This effort produced the following results: photocopies of pertinent field notes for 12 collectors; evidence that field records had not been made or had been lost for 10 collectors; a reconstruction of the collection record for four collectors (Baird, Brewer, McDowell, and Simon) by complete searches of the Council R.D. and BKR herbaria; no answers from four presumably living collectors; and inquiries still underway with five collectors.

These inquiries and resultant copies of field records generated the few remaining (17) taxa of the checklist. The 45 individuals or parties known to have collected in the Seven Devils Mountains are listed in table 1, along with summary information on their collections, affiliated herbaria, and places of work.

The 722 taxa checklisted include 72 (10.0 percent) represented only by sight records, which are visual records made by several different plant collectors. Sight records indicate that a given plant was believed to occur, on a given date, on a given sample plot, a section of a road or trail, or in the plant community near a collected plant. Such records are included to cover plant taxa not represented by mounted herbarium collections, to augment the record for rare or scarce taxa, and to contribute to the general statement about the frequency and distribution of each taxon. The preponderance of the sight records came from the sample plot work of Edwin W. Tisdale, emeritus professor of range management at the University of Idaho College of Forestry, Wildlife and Range Sciences; from Charles G. Johnson, Jr., plant ecologist, Wallowa-Whitman National Forest; from Robert Steele, plant ecologist, Intermountain Research Station, Boise, ID; and the trail and roadside surveys of Bingham and Miller as made for their layman's flora of the Seven Devils. The 5,463 sight records are summarized below:

| Worker(s)             | Years                  | Number | Types and localities of plots or units sampled   |
|-----------------------|------------------------|--------|--|
| Tisdale               | 1979                   | 118    | Nine sample plots, 15 × 30 m, 5,200-7,800 ft elev., Low Saddle south to Seven Devils Guard Station.  |
| Johnson               | 1982-<br>1983          | 1,550  | Ninety-one 10.93-m radius circular reconnaissance plots preliminary to habitat typing, 5,100-8,070 ft, Wild Horse Ridge south to the head of Deep Creek. |
| Steele                | 1972,<br>1974,<br>1981 | 203    | Seven plots, same size and purpose as Johnson, 5,000-6,960 ft, Papoose Creek south to Huntley Gulch (see Steele and others 1981).                        |
| Bingham<br>and Miller | 1981-<br>1982          | 3,592  | Thirty-eight 1- to 5-mi long trail or road segments, 2,200-9,400 ft, Camp Howard south to Landore.   |

<sup>1</sup>In the checklist dates or names and dates, in parentheses, when not tied to collectors, refer to literature cited.

Accuracy of the identity of collections and sight records undoubtedly varies with the training and experience of the collector or observer, and the expertise the collector enlisted in confirming identifications. In terms of reliability of identification, the collections would rank as follows:

1. Collections identified or verified by specialists in the particular families, sections, or genera.
2. The more recently identified collections (say post-1975) that have been accepted by a recognized herbarium, for the identity of almost all of these are now verified by well-trained taxonomists before being deposited in the herbarium. For example, the 1977-83 collections of Wellner, Henderson, Tisdale, and Bingham and Miller were all verified by such taxonomists.
3. The pre-1975 collections found in recognized herbaria.
4. Collections identified by the collector only in his field notes and not seen or found recorded elsewhere by the author.
5. Mostly unsupported sight records.

Undoubtedly some of the unseen collections are incorrectly identified by the collector in his or her field notes, and they will have been reidentified by taxonomists at the various herbaria. This checklist includes only a few such reidentifications where known to the author through correspondence or through his examination of reidentified collections in the various herbaria searched. The checklist also includes at least 20 taxa that are of questionable identity because they fall outside the known distribution of the taxa. These "off-range" taxa, as well as about 10 other taxa of uncertain identity, are indicated by a question mark preceding the Latin name.

Field notes also vary widely in quality. Christ, for instance, provided only skimpy habitat and locality data for his collections. But he was meticulous in updating his field notes following confirmation of the identity of many of his plants, recording them by collection numbers in a separate set of beautifully handwritten ledgers. Field notes of other collectors, however, commonly included plants known to have been misidentified, numbered plants identified only as to genus, and even unidentified plants.

This checklist includes more than 100 collections by seven different collectors who merely dated, and did not number, their collections. In many cases it has been possible to definitely recognize these dated collections by substituting a given herbarium's number for the missing collector's number, as follows: Aldrich 7/4/07, ID 7824, and so forth. These unnumbered collections undoubtedly occur under different numbers in other herbaria.

Henderson, Kruckeberg, and Wellner (table 1) each entered a few sight records in the course of recording data on other plant collections. In this checklist, about half of the taxa represented by sight records alone are the often-ignored and seldom-collected, common and introduced weeds, or low-elevation taxa seen by Bingham and Miller along the Rapid River.

## Checklist Format

Plant taxa are checklisted alphabetically, first by family names, then by genus, species, subspecies, and variety, all in Latin. (Phylogenetic arrangement of families is not attempted.) Latin names are followed by the authorities (usually abbreviated) and the taxon's common name, amplified as necessary to distinguish subspecies and varieties. Latin names and most of the common names follow "Flora of the Pacific Northwest, an Illustrated Manual" (Hitchcock and Cronquist 1973), except as follows: For the *Artemisia tridentata* varieties see Winward and Tisdale (1977), for the *Hieracium* species and varieties of Section Thyrsoida see Deardorff (1977), for the *Poa sandbergii* (or *P. secunda*) complex see Arnow (1981) or Kellogg (1983), for the North American *Salix* species of Section Cordatae see Dorn (1975), and for the *Thlaspi fendleri* (or *T. montanum*) complex see Holmgren (1971).

Next follows a general statement covering the relative frequency of the taxon and outlining its locality and elevational distribution, based on all known collections and sight records. Relative frequency of a taxon is given in terms of the number of known occurrences (collections and/or sight records), as follows:

**Rare**—currently listed by Steele and others (1981) among endangered, threatened, or plants of concern in Idaho, not exotics.

**Scarce**—only one or two known occurrences, often because the taxon normally occurs at elevations either lower or higher than found in the Seven Devils Mountains.

**Occasional**—three to four known occurrences, sometimes because it usually occurs at lower or higher elevations.

**Uncommon**—five to nine known occurrences.

**Frequent**—10 to 19 known occurrences.

**Common**—20 to 39 known occurrences.

**Abundant**—40 or more known occurrences.

Elevations do not apply to the Rapid River unless the plant was collected or seen only there. General localities are given as northern Seven Devils (north of Crater Lake), central Seven Devils (Crater Lake south to Emerald Lake), southern Seven Devils (south of Emerald Lake), and Rapid River (lower and west fork along trail 113 up to Rankin Mill). Occasionally, in successively numbered collections, the locality and elevational information has been inferred from the collector's field notes for previously or subsequently numbered collections.

Next follows a list, alphabetically by collector's names and then numerically by collector's numbers, of all known collections of the taxon. As mentioned above, sight records may be included in certain cases, and their number is included in most cases. Each collection number is followed by the abbreviations (table 2) for the herbaria known or assumed to hold the collection, and is accompanied by a brief description of habitat, locality, elevation, and date of the collection, as available from notes and herbarium label.

A single asterisk preceding the collector's name signifies a collection known only from the collector's field notes, and identified there only by the collector. In most cases it is known that the collectors deposited specimens of given periods in certain herbaria, while in other cases a collector donated or sold part or all of his personal herbarium to a particular institutional herbarium. For instance, the Washington State University botanists St. John, Meyer, Packard, Comstock, Aase, Munro, Jones, and others are known to have deposited their Seven Devils plant collections in the Ownbey Herbarium at that institution, while Christ, late in his life, is known to have sold his principal and personal collection to the

**Table 2**—List of abbreviations for herbaria where Seven Devils Mountains plants have been deposited

| Abbreviations   | Herbarium address  |
|-----------------|--|
| ASC             | Deaver Herb., No. Ariz. Univ., Flagstaff                 |
| BKR             | District Herb., Baker, OR Dist., Bur. Land Manage.       |
| BOIS            | Intermountain Res. Stn., USFS, Boise, ID                 |
| CAS             | Calif. Acad. Sci., San Francisco                         |
| CIC             | Helen M. Tucker Herb., College of Idaho, Caldwell        |
| Council R.D.    | Council Ranger District, Payette NF, Council, ID         |
| F               | Field Museum of Natural History, Chicago, IL             |
| GH              | Gray Herbarium, Harvard Univ., Cambridge, MA             |
| ID              | Dept. Biol. Sciences, Univ. Idaho, Moscow                |
| IDF             | Coll. For., Wildlife and Range Sci., Univ. Idaho, Moscow |
| IDS             | Ray Davis Herb., Idaho State University, Pocatello       |
| MICH            | University of Michigan, Ann Arbor                        |
| MO              | Missouri Botanical Garden, St. Louis                     |
| MONTU           | University of Montana, Missoula                          |
| NA              | U.S. National Arboretum, Washington, DC                  |
| NY              | New York Botanical Garden, Bronx Park, New York City     |
| OGDF            | Forest Service, Intermountain Region, Ogden, UT          |
| ORE             | University of Oregon, Eugene                             |
| OSC             | Oregon State College, Corvallis                          |
| PH              | Phila. Acad. Natural Sci., Philadelphia, PA              |
| RM (incl. USFS) | Rocky Mt. Herb., University of Wyoming, Laramie          |
| RSA (old POM)   | Rancho Santa Ana Botanic Garden, Claremont, CA           |
| US              | U.S. National Herb., Smithsonian Inst., Washington, DC   |
| USFS            | See RM, above  |
| UTC             | Intermountain Herb., Utah State University, Logan        |
| WS              | Marion Ownbey Herb., Wash. State University, Pullman     |
| WTU             | University of Washington, Seattle                        |
| WWB             | Western Washington University, Bellingham                |

New York Botanical Garden. In cases where the author has not seen the collection, but has assumed it to be deposited in a given herbarium, or where the collection has not been seen because it is out on loan or lost from a local herbarium, the herbarium acronym is preceded by a question mark. These collections then appear in the checklist as follows:

\*Christ 12733, ?NY, . . . \*

Where locality may have been refined, updated, and amplified by the author, such information is enclosed in parentheses. Local or obsolete place names appearing more than twice in this checklist are defined below. Interpretation of most of these names was provided for the central Seven Devils by Ace (Ralph A.) Barton of Riggins, ID, or by Earl E. or Esther C. Hibbs of Pullman, WA, and for the southern Seven Devils by Walter W. Pierson, one of the range management veterans still with the Payette National Forest, McCall, ID.

**“Brundage Trail”**—a name used by Packard (1937 and 1938 collections) that refers to the original (and several-times-relocated) Forest Service trail 112, as located and partly constructed by Ranger Lew Bundige about 1911. The misspelling is Packard’s.

**“Camp Howard, 5,000 ft”** of Aldrich (Colls. of 1907), probably refers to the general area of the Camp Howard Cow Camp in the headwaters of Getta Creek on Camp Howard Ridge about 5 mi west-southwest of the town of White Bird, ID. The present Cow Camp lies at 5,700 ft elevation.

**“Dry Diggins”** or **“Dry Diggins Area”** referred to by St. John and Mullen (Colls. of 1927), Packard (Colls. of 1937 and 1938), Nelson and Nelson (Colls. of 1938), Esther Hibbs (Colls. of 1937), and Kruckeberg (Colls. of 1952) is a name conferred by the early stockmen. It refers to a mostly lava-capped plateau extending southwest from the south end of Dry Diggins Ridge and Lily Pad Lake toward Hibbs Cow Camp along the divide between Bernard Creek to the northwest and the west fork of Sheep Creek or Little Granite Creek to the southeast. It does not refer to the area around Jack Hasting’s Dry Diggins Ridge mining claim to the north along trail 140, nor to the area in the immediate vicinity of Dry Diggins Lookout.

**“Dry Diggins Camp”** or **“Dry Diggins Ranger Station”** as referred to by Nelson and Nelson (Colls. of 1938), apparently was a name coined on the spot and it cannot be located. This place (or places) may have been a temporary lookout, fire camp, or fencing camp. It was not Dry Diggins Lookout because the Nelsons collected there and specifically identified the lookout.

**“Granite Creek, White Cabin”** of Ranger Brewer (Colls. of 1928), may refer to a white-painted cabin or one occupied by a person named White. The site is one of the abandoned cabins at or near Deb’s Corral at the junction of trails 192 and 189, just east of Granite Creek and Stevens Saddle, but in the head of the west fork of the Rapid River; or it is some unknown cabin on the Granite Fork of the Lake Fork of the main Rapid River, possibly lying along either Black Lake road 112 or the Lake Fork trail 188. Brewer’s data as to General Land Office sections, townships, and ranges often were in error. Here he gave the locality either as sec. 11, T. 22 N., R. 2 W., or as sec. 10, T. 22 N., R. 3 W.

**“Heavens Gate”** of Ownbey and Meyer (Colls. of 1940), Aase (Colls. of 1940), Davis (Colls. of 1940), and to some extent Baker (Colls. of 1954) and Christ (Colls. of 1941), may include part or even all of the ridge along the Snake-Salmon Rivers divide between Windy Saddle and Heavens Gate Lookout.

**“Horse Heaven Saddle”** of Bingham and Miller (Colls. of 1980 and 1981) is the author’s name for the somehow unnamed but major saddle at the heads of Two Creek and the north fork of Mill Creek, where the Old Boise Trail joins trails 114 and 124 about one-fourth mi north of Horse Heaven Lookout cabin.

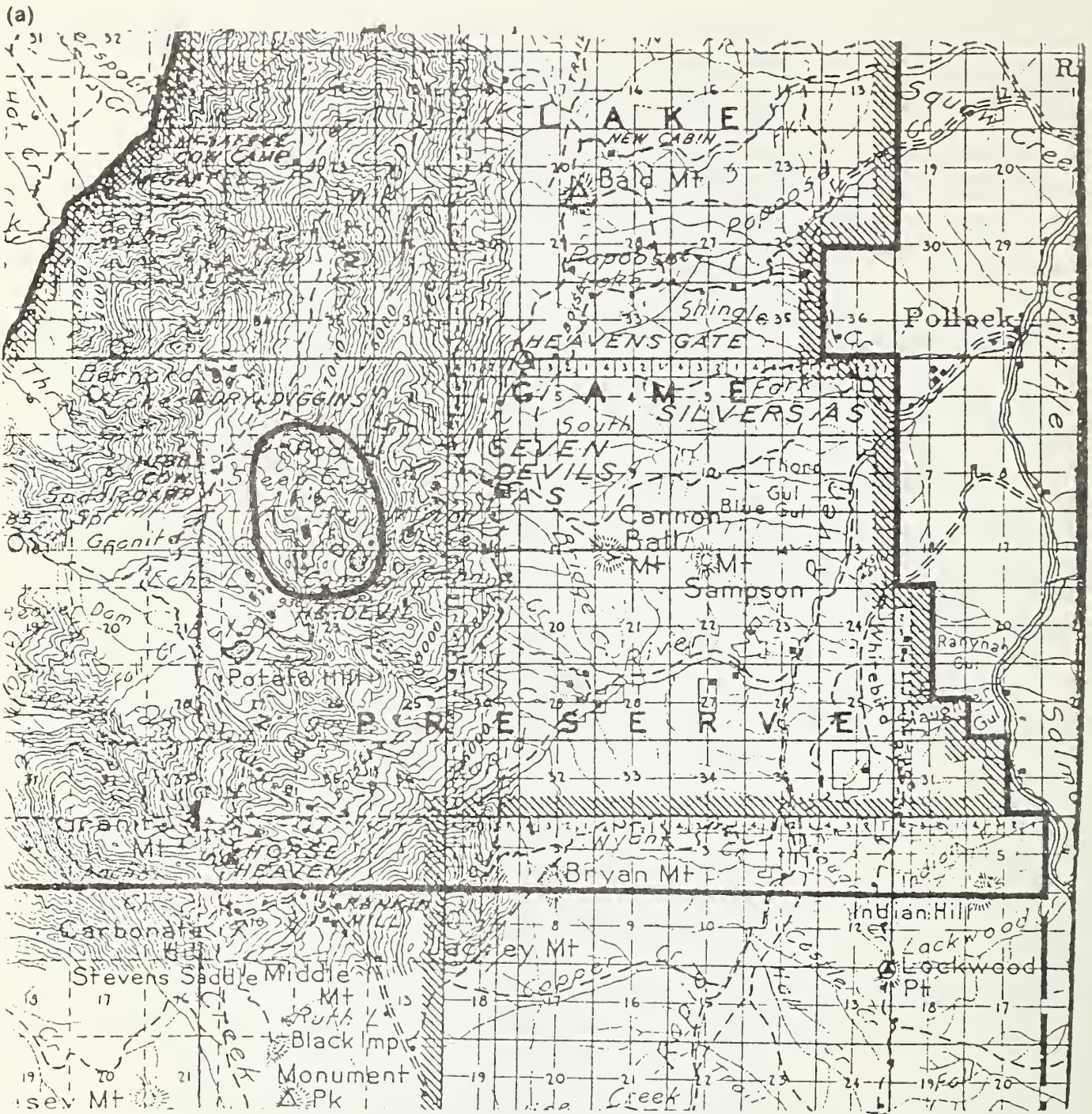
**“Iron Springs Ranger Station or Camp”** of Brewer (Colls. of 1928) was an early Forest Service camp located at the spring about 0.2 mi north of Holbrook Saddle near the junction of trails 190 and 191. According to Walter Pierson it was not at the site of the old town of Iron Springs on upper Paradise Creek.

**“Jackley Guard Station or Guard Camp”** of Brewer (Colls. of 1930) was a tent camp located near Jackley Mountain.

**“Krammer, or Krammer Cabins”** of Brewer (Colls. of 1929) apparently was near the junction of roads 105 and 112, about 1¼ mi north of Bear Guard Station. This was the Kramer (stage) station discussed by Pam Gardner (March 1986) in the Forest Service Region Four Intermountain Reporter.

- “**Patrolman Creek**” of Brewer (Colls. of 1928) was a small and now apparently unnamed creek lying to the north of Jackley Mountain and probably draining into Oxbow Creek and the west fork of the Rapid River.
- “**Rapid River Trail**” of the Nelsons (Colls. of 1938) could be their name for the main Rapid River trail 113, or for any of the trails (55, 61, and 62) which parallel the river or leave the west fork to climb up to the Old Boise Trail, above.
- “**Seven Devils Camp**” of Christ (Colls. of 1941) and Baker (Colls. of 1954) was the old unimproved campsite at the former terminus of road 517 at Windy Saddle. The present-day camp (as referred to by Bingham and Miller 1979, 1981; or LaZelle 1963) was not constructed until about 1959-62.
- “**Seven Devils Forest Station**” of Kruckeberg (Colls. of 1952) or “**Administrative Site**” of LaZelle (Colls. of 1963) was the present-day Guard Station about one-fourth mi southeast of Windy Saddle.
- “**Seven Devils Ridge**” of Christ (Colls. of 1941) apparently is a name coined by Christ and defies interpretation. It could be either the ridge between Windy Saddle and Heavens Gate Lookout or the ridge along the divide between Bridge and the west fork of Sheep Creeks. From Christ’s other collections of the same day near Seven Devils Lake, it would appear to be the latter.
- “**Sheep Creek**” of Davis (Colls. of 1940), “**Headwaters of Sheep Creek**” of Ownbey and Meyer (Colls. of 1940), and “**Sheep Creek Trail**” of Christ (Colls. of 1941) all refer to the east and west forks of Sheep Creek where traversed by trail 112 between Windy Saddle and the south end of Dry Diggins Ridge.
- “**Sheep Creek Lakes No. 1 to 4**” of Packard (Colls. of 1937), Christ (Colls. of 1941), and Kruckeberg (Colls. of 1952) are names reflecting the fact that—aside from Lily Pad Lake—the lakes in the head of the west fork of Sheep Creek which, although mapped, remained unnamed until the early 1940’s (see portion of Packard’s 1931 Nez Perce NF map, fig. 1a). Ace Barton says (Barton 1984): “There was no trail into Sheep Lake at that Time, just a way through. My folks and the Hibbs got to calling the lakes 1-4 and the name stayed until Lithicum did his survey in the Forties. As far as I know he named them with the present day names. . . . The numbers corresponded with lakes as you came on them from the Dry Diggins side.” Thus as one proceeded south from Lily Pad Lake, alongside or across “The Swamps” (see below) on some forerunner of trail 123, Basin Lake became Lake No. 1, Shelf Lake No. 2, and Gem Lake No. 3. Apparently the other two lakes (Rock Island and Appendix) above Gem Lake in the very head of the west fork of the west fork of Sheep Creek were hidden from view on the old trail 123 (as with the present trail), and thus were not numbered. The trail then crossed the divide between the east fork and the west fork of the west fork of Sheep Creek, and descended to Lake No. 4 (Sheep Lake).
- “**Sheep Peak or Rock**” of Brewer (Colls. of 1928) is the 5,257-ft Sheep Peak (or Mountain) lying about 1¼ mi northwest of the Wildhorse River and about 5 mi south-southeast of the Snake River Oxbow. It is not the present-day Sheep Rock at the northern terminus of road 106, about 7 mi north of Cuprum.
- “**Squaw Creek**” of Meyer (Colls. of 1937), Moore (Colls. of 1936), Munro (Colls. of 1937), Packard (Colls. of 1936), Peters (Colls. of 1936), and St. John and Mullen (Colls. of July 17-19, 1927) is an old name now changed to Bernard Creek to avoid confusion with the Squaw Creek entering the Little Salmon River just south of Riggins.
- “**The Swamps**” of Packard (Colls. of 1937), E. Hibbs (Colls. of 1937), and Christ (Colls. of 1941) is another well-deserved name conferred by the early stockmen to the long and often very wet sedge meadow lying along the west side of present trail 123 between Lily Pad and Basin Lakes.

The checklist includes 13 of Idaho’s rare plants, so designated by Idaho’s official rare plant group, The Rare and Endangered Plant Technical Committee of the Idaho Natural Areas Council. These rare plants are identified by a double asterisk preceding the Latin name. Among the 13 rare plants, two have been recommended for the Federal-Threatened category. These plants are rare in the United States and likely to become endangered due to declining populations or to the likelihood that their habitat area will decrease under present land use or management practices. Another six plants are recommended for a “Federal Watch List,” and another five plants for a “State Watch List.” These are plants the Committee feels should be monitored. They are rare, either in the United States or in the State of Idaho, even though not now threatened unless major changes occur in the management of lands where they occur. See Steele and others (1981, rev. 1983) for more



(b) PLANTS OF THE SEVEN DEVILS MOUNTAINS

IDAHO COUNTY, IDAHO

Adiantum pedatum L. var. aleuticum Rupr.

growing in clefts of the rocks, springy soil, 4th Sheep Creek Lake, at the foot of the He Devil.

Elev. 9000 feet

JUNE 13-30, 1917.

Jacqueline Packard, 309

Figure 1—(a) Jacqueline Packard's 1931 Nez Perce National Forest map showing the then unnamed lakes (circled) south of Lily Pad Lake in the head of Sheep Creek; and (b) her personal herbarium label, this one covering the new and rare maidenhair fern taxon from the Sheep Lake (4th Sheep Creek Lake).



details on the status and distribution of these rare plants. Seventeen other plants, previously considered as potentially rare, currently are known to range in frequency from fairly common to scarce and are not designated otherwise (see Henderson and others 1977).

Last, the checklist includes 52 plants introduced from Eurasia. These are identified as to continent of origin by parenthetical notes following the common name. The introductions make up just over 7 percent of the Seven Devils Mountains flora.

## GEOLOGICAL HISTORY AND GEOLOGY OF THE SEVEN DEVILS MOUNTAINS

Some 14 to 17 million years ago in the Miocene Geologic Period two extensive and now rather well-defined basalts were extruded from a volcanic chain located near the junction of Washington and Oregon with Idaho. These were the older Imnaha and the younger Grande Ronde Basalts, and they spread to cover most of the southeastern portion of the ancestral Columbia River Basin, including the ancestral Snake River and its tributary Salmon, Little Salmon, and Weiser River drainages (Hooper 1982). Then, probably about 11 to 13 million years ago (still in the Miocene) the Seven Devils, Wallowas, Owyhees, and other mountain ranges ringing the upper Snake River Basin were uplifted, trapping the Snake River and backing it up to form ancestral Lake Idaho (Livingston 1928). The rising lake, which stretched from Oxbow to Twin Falls, may for a time have drained westward through southern Oregon or farther to the south through Nevada and northern California. Eventually, however, it found a northerly outlet near Oxbow. Then in only the last 2 million years the new Snake River, following a series of north-south fault lines, very rapidly cut down the magnificent, present-day Hells Canyon (Wheeler and Cook 1954). This process was greatly hastened by Pleistocene-Era glaciation of 1 to 2 million years ago.

To the northwest and west of the Seven Devils in the northern Blue Mountains and often-plateaued Wallowa Mountains, and to the south in the smaller and lower, plateaued Cuddy Mountains, the uplifted basalt cap often remains in place over fairly large areas between 6,000 and 8,000 ft elevation (Livingston 1928). This is not the case, however, in the much narrower and consequently much more severely eroded Seven Devils Mountains. Exemplifying the severity of this erosional stress, a 13-mi east-west transect through 9,393-ft He Devil Mountain rises 7,000 ft in 7 mi from the Rapid River on the east, and then falls 8,000 ft in 6 mi into Hells Canyon on the west. Under these conditions it is easy to visualize the erosional undermining and removal of most of the basalt cap from atop the central Seven Devils. In areas of lesser uplifting and erosional stress, as, for instance, in the northern Seven Devils at 5,000 to 6,000 ft along the Snake-Salmon Rivers divide between Buckhorn Spring and Camp Howard Triangulation Station, the basalt mantle has yet to be eroded away. Continuous stretches of Imnaha Basalt, occasionally overlain by the younger Grande Ronde Basalt, remain in place along that divide today. Similarly, in the southern Seven Devils, some fairly large or continuous areas of these same basalts are found in two general areas. One of these areas is along the Snake-Weiser Rivers divide on either side of the Black Lake road near Placer Basin. Here, at 5,500 to 6,500 ft, the younger and higher Grande Ronde Basalt, if ever there, is gone, but the older and lower Imnaha Basalt remains atop several half-square-mile to square-mile areas. And in the other area farther to the south and west, on the 4,500- to 5,200-ft plateaued ridges constituting the Indian Creek-Snake River and the Wildhorse-Snake Rivers divides from west of Cuprum on the north to Sheep Peak (not Rock) on the south, even the Grande Ronde Basalt remains uneroded atop the older Imnaha Basalt.

Only one, perhaps third-square-mile, patch of Imnaha Basalt (severely weathered) remains in the central Seven Devils—on the 7,300- to 7,600-ft plateau which forms the Bernard Creek-Little Granite Creek divide and lying between the junction of trails 112 and 140 (south end of Dry Diggins Ridge one-half mile north of Lily Pad Lake on the northeast) and trails 112 and 56 about one-fourth mile north-northeast of Hibbs Cow Camp (Gaston and Bennett 1979). This remnant of basalt is the substrate for one of the few disjunct plant communities of the Seven Devils. This is the only central Seven Devils locality where one finds dagger pod (*Phoenicaulis cheiranthoides* Nutt.), Bolander's yampa (*Perideridia bolanderi* (Gray) Nels. and Macbr.), barestem desert parsley (*Lomatium nudicaule* (Pursh) Coult. and Rose), and the hairy-bracted variety of Eatons daisy (*Erigeron eatonii* Gray var. *villosus* Cronq.). Except for the subalpine components (subalpine fir, mountain bog gentian, etc.), the plant community is almost as if lifted piecemeal from the basalts of Midvale Summit along U.S. Highway 95 about 55 mi to the south-southeast.

Thus, remaining atop most of the central Seven Devils are the uplifted and metamorphosed, "undifferentiated" (meaning little known) rocks called the Seven Devils Group (Gaston and Bennett 1979). Even casual observation shows that there is considerable variation in these rocks, but they remain unclassified.

Glacial moraines lie both east and west of the central Seven Devils, mostly below 6,500 ft elevation. On the east an extensive moraine perhaps 5 mi<sup>2</sup> or more in area extends for more than 5 mi between the Old Boise Trail 101 and the West Fork of the Rapid River, from about Horse Heaven Creek on the southwest to Bridge Creek on the northeast. On the west, another much smaller, perhaps half-square-mile moraine lies in Little Granite Creek below Baldy Lake and trail 124, mostly between the main forks of the creek. Other breaks in the seeming monotony of the Seven Devils Group rocks are the granitelike, usually light-colored, igneous intrusives (granodiorites, quartz diorites and monzonites, diorites, and gabbros) found covering several square miles in upper Devils Farm Creek and extending northwestward across Little Granite Creek to the Three Creek Divide. Similar light-colored intrusives are highly visible in another 5-mi<sup>2</sup> area—the White Monument area of the Southern Seven Devils—lying between the Sheep Rock road 106 on the west and reaching into the head of Deep Creek below High Dive on the Black Lake road 112 on the east (from 5,400 ft to 8,300 ft), as well as in a 2-mi<sup>2</sup> area surrounding Echols Mountain (6,800 ft to 8,300 ft). There are no obvious vegetational changes associated with either the moraines or the granitelike intrusives.

There is no true alpine timberline even on the highest of the Seven Devils Mountains (He Devil, to 9,400 ft; She Devil, 9,300 ft). Weatherbeaten and runty whitebark pines (*Pinus albicaulis* Engelm.) and subalpine firs (*Abies lasiocarpa* [Hook.] Nutt.) grow in the rock crevices atop these highest peaks. And because of the steep upper slope gradients characterizing the severe erosional stress of the central Seven Devils, there appear to be none of the perched and poorly drained small plateaus that might support the tundralike vegetation often found elsewhere at these elevations.

## BOTANICAL HISTORY OF THE SEVEN DEVILS MOUNTAINS

Over the past 88 years, more than 40 plant collectors or two-person collection parties have collected in the Seven Devils Mountains and have deposited plants in many herbaria across the United States. The pioneer collectors seem to have been the two self-taught, but skilled and recognized botanists, William C. Cusick and Marcus E. Jones. Both of them collected in the southern Seven Devils in 1899.

Cusick, who made most of his living from a farm near Union, OR, collected plants over much of eastern Oregon, particularly in the Wallowa Mountains. In July and again in September of 1899, however, he crossed the Snake River into Idaho (almost certainly at Ballard's Ferry 3 mi below Homestead) and collected plants along the then 10-year-old Kleinschmidt Grade, from the Snake River via Cuprum to Old Helena and the nearby Peacock mines. That grade, viewed today as frighteningly steep, had been completed in 1891 by mining entrepreneur Albert Kleinschmidt. But as late as 1920 it was described by visiting geologists as "well located. . . by far the best graded road the writers have seen in the state" (Carrey and others 1979). Among the more interesting plants Cusick collected on these two trips were the type collections of the Idaho variety of the white-stemmed frasera (*Frasera albicaulis* Dougl. var. *idahoensis* [St. John] Hitchc.), of which an isotype is held at WS, as well as the scarce tall phacelia (*Phacelia procera* Gray). The frasera now is recommended for a "Federal Watch List" by the Idaho Rare and Endangered Plants Technical Committee (Steele and others 1981, rev. 1983).

Marcus E. Jones was a mining engineer-botanist. From July through December of 1899 he collected plants, while secretly he prospected for coal deposits for the then new Pacific and Idaho Northern Railroad (now the Union Pacific line from Weiser to Tamarack) (Lenz 1983a). In that year, the new railroad was starting a line from Weiser, supposedly to the Helena (Peacock) mines (Carrey and others 1979). Work on the Helena end of that grade had begun in 1900 (Carrey and others 1979), and before the railroad diverted its line to New Meadows, and as pointed out by the Payette National Forest sign along road 106 south of Kinney Point, over a million dollars was wasted on the Helena-end grade. To the author's knowledge, Jones collected only one plant in the Seven Devils: No. 26583, collected at 6,000 ft elevation August 5, 1899, and much later designated by C. P. Smith as the type of a supposedly new lupine, named after the Seven Devils as *Lupinus diaboli-septem* (Smith 1951). Jones' journal, transcribed by Rancho Santa Ana Botanic Garden Director Lenz, indicates that he was constantly collecting plants in the summer and fall of 1899; also that he

often was in the Cuprum area. But, because Jones kept no field collection notes until later in his life (Lenz 1983a) and because his journal is blank for the period July 19 to September 19, 1899, we do not know where in the Seven Devils he might have been on August 5, 1899, let alone what else he might have collected there. Jones' journal does reveal that while visiting mining claims near Baker, OR, he made a circuitous and probably difficult, 3-day side trip (March 6-8, 1900) to visit William Cusick. Jones describes Cusick as "a farmer, poor, a Christian man, widower, 58 years old, and a very fine man." He and Cusick spent more than a day going over the latter's plants (Jones' journal as transcribed and provided by Lenz).

The next known collector of Seven Devils plants, in 1907, was John M. Aldrich, a Professor of Biology (1903-1913) and founder of the Department of Entomology at the University of Idaho. He was a close friend of the first University of Idaho botanist and plant collector Louis F. Henderson. Henderson (undated) reported having eight 45-minute classes every school day shortly after he reported to the new university in 1893, and that his colleague Aldrich carried a similar load. Henderson attributes to Aldrich, in answer to an inquiry as to which chair he occupied at the university, the remark, "We didn't any of us occupy 'chairs'—we all occupied settees!" Henderson (undated) also describes the burning of the University's main building in March 1906 as "when a disastrous fire swept off our large University building, and with it went all my equipment and my herbarium which had taken 25 years to make and was one of the joys of my life." Of course, Aldrich's 1907 collections escaped the fire and now are among the oldest at Idaho with accession numbers as low as 2264. Only 14 of Aldrich's Seven Devils collections have been found so far, all from the Camp Howard area in the extreme northern Seven Devils. Even so, they attest to Aldrich's diligence, since 12 of the 14 were made on the 4th of July.

There then occurred a 20-year hiatus in Seven Devils Mountains plant collecting. Serious plant collection began in the area in 1927. It was then that Harold St. John, a young Harvard Ph.D. and professor, and Lowell A. Mullen, student in the Washington State (then) College Department of Botany, mounted an 11-day plant collecting foray into the Seven Devils. They hired a packer-guide and rented saddle and pack stock, probably at the Reeves Ranch 2 mi southwest of Riggins at the mouth of Papoose Creek. Starting from there (2,400 ft elevation) in the early morning of July 17, 1927, they first ascended Squaw Creek about 3 mi on trail 110, then branched off to the right on the Indian Springs trail 46 and ascended past Lime Saddle about 3 more miles to the Old Boise Trail 101 on the Snake-Salmon Rivers divide about one-third mile south of Fire Camp Saddle. Then they proceeded southward 2 mi up the divide until they rejoined trail 110 just south of the treacherous stretch of trail 101 called The Narrows (7,600 ft). Here they turned westward again and proceeded down past the Old Timer Mine and the Forks of Sheep Creek (4,000 ft) and up the Sawyer-Bear Trap Creeks ridge to the Sheep-Bernard Creeks divide (7 mi, to 6,000 ft). Finally they descended, still westward, down the quarter-mile of trail 110 remaining for them to reach their first night's goal at the McGaffee Cow Camp (5,700 ft). Earl Hibbs, the youngest son (now in his mid-seventies) of the Martin Hibbs family (Granite Creek and Hibbs Cow Camp cattlemen) assures me that the old-timers often made **round** trips like that in those days (Hibbs 1984), but it would be a safe bet that the greenhorn botanists were tired and saddle-sore that night. They had collected only 15 plants during the long but busy day, but they had ridden about 15 rough, horizontal miles and  $1\frac{2}{3}$  vertical miles.

On July 18 and 19, the two botanists, belying any exhaustion, logged another  $1\frac{2}{3}$  miles vertically, westward down trail 110 to the Snake River at the mouth of Bernard Creek (1,400 ft) and back up to the Cow Camp, meanwhile collecting another 40 plants. Then on July 20 they headed south toward the high country, ascending the Dry Diggins Ridge trail 140 into the central Seven Devils. Considering that they had only the old-fashioned vasculums (loose-lidded, cylindrical, sheetmetal cans) for holding plants while preventing their withering prior to pressing, it is remarkable that they were able to collect and press more than 60 different collections that day. Some of the plants must have been pressed en route. On July 20 and 21, working on what they called the "Dry Diggins Area" (see discussion under "Checklist Format") at elevations they gave as 7,500 ft to 8,000 ft, they collected and pressed another 35 plants.

The high point of St. John's and Mullen's trip, literally and figuratively, came on July 24, when they climbed He Devil Mountain. Starting point, route, and mode of travel are uncertain, but either going or returning to the vicinity of Lily Pad Lake they apparently

descended into the head of the Echo Lake Fork of Little Granite Creek. About 50 collections were made while approaching or on He Devil Mountain. The taxa they collected as well as the elevations (for instance, 8542, *Eriogonum ovalifolium* Nutt. var. *depressum* Blank., summit of He Devil, 9,200 ft) certainly attest to their reaching the summit—and long before the Mazama Club established a climber's register there. Among the more interesting collections made on or near He Devil Mountain was the initial collection of what may prove to be a new variety of maidenhair fern (*Adiantum pedatum* L.; see body of checklist for more details on this taxon). Other uncommon plants collected that day were the alpine lily (*Lloydia serotina* [L.] Sweet), and dwarf hulsea (*Hulsea nana* Gray). On July 25 and 26, they broke camp near Lily Pad Lake and returned to the Reeves Ranch via McGaffee Cow Camp and Sheep Creek, making more than 35 collections en route. They must have made a side trip well down Sheep Creek, for a timothy (*Phleum pratense* L.) collection of July 26 is labeled "garden clearing by cabin in Sheep Creek, 2,000 ft." Altogether, they made over 240 collections on the 11-day trip, 176 of them from above 5,000-ft elevation. Almost all of these collections remain in WS. The above four paragraphs are based on photocopies of St. John's field collection notes and his letter of October 18, 1982 (St. John 1982).

Although St. John remained at Washington State College only through 1929, his "Flora of Southeastern Washington and of Adjacent Idaho" (St. John 1937) was not published until 8 years later. This flora includes treatment of St. John's Seven Devils collections. St. John must have imparted a real appreciation of Hells Canyon and the Seven Devils Mountains to his students and instructors at Washington State College. He states (St. John 1982) that he made "eight or nine trips by boat from Lewiston up into Hells Canyon and made numerous collections." These annual field trips led by St. John, Hannah Aase, Lincoln Constance, Reed Rollins, Frederick Meyer, and probably other professors and instructors of botany were staged by the Natural History Club and continued for more than 15 years, up to World War II. This checklist includes collections made off the river, but from above 5,000 ft, by seven different Washington State College graduate or undergraduate students from 1936 to 1939 (see Comstock, Meyer, Moore, Munro, Packard, Peters, and Sharsmith, table 1). Lincoln Constance and Reed C. Rollins, then professors at Washington State College, also collected extensively in Hells Canyon in 1936 and named the uncommon or rare Snake River Canyon endemics *Arabis crucisetosa* and *Mirabilis macfarlanei*. Constance, in the spring of 1937, attempting to reach the higher elevations along road 517, drove up Squaw Creek and lower Papoose Creek on May 29. He made at least five collections (1,848-52) between 2,500 ft and 4,000 ft elevation, but was stopped above that by snow.

Next among the early Seven Devils plant collectors was Vernon M. Brewer, who was the Ranger at the Weiser (now Payette) National Forest's Bear Ranger Station (now Guard Station) 25 mi northwest of Council, ID. The district had a large acreage of summer rangeland, and, undoubtedly, range management problems made heavy demands on Ranger Brewer's time. In any event, he became a plant collector, sending a few of his plants to the College of Forestry at Moscow for identification or verification. His known collections made between 1928 and 1931 have numbers between 5 and 147, and 95 of them have been found (73 by supervisory forestry technician James N. Camp in the Council R.D. herbarium, and 22 by the author in IDF and Council R.D. herbaria). Later, while ranger at the old Hornet Station 12 mi northwest of Council, Brewer became so embroiled in controversy with grazing permittees that he was transferred to Wyoming (Pierson 1983).

Jacqueline Packard, another member of the Washington State College Botany Department, was also an early and important plant collector in the Seven Devils Mountains. Packard became friends with Esther and Earl Hibbs as an undergraduate at WSC and on collecting trips into Hells Canyon. In 1938 she embarked on a Master of Science program, with the thesis to be a flora of the Seven Devils Mountains (see copy of herbarium label, fig. 1b). This thesis, however, was destined never to be finished, for at the University and on Hells Canyon field trips she met forestry student William R. Moore (table 1). With the Natural History Club, they collected plants together near McGaffee Cow Camp in May 1936, and (the whole Club staying at the Hibbs Ranch) in lower Granite Creek and along the Snake River as far up as Brush Creek in April 1938. In 1940 Packard married Moore, a graduate forester, and moved with him to a job with the Border Patrol in Texas. She was thus forced to abandon her Master of Science degree. Beginning as an undergraduate in 1936, and continuing as a graduate student in 1938 and 1939, Packard had made over 400 collections in the Snake River Canyon and in the Seven Devils. More than 120 of these were from above 5,000 ft elevation in the Seven Devils and were made mostly in 1937 and 1938 while staying with the Hibbs. Almost all of these collections remain in WS.

Packard sent the author a typed account of her June 13-30, 1937, collection trip, when she lived with the Hibbs at the Granite Creek ranch and their Cow Camp in the head of the north fork of Little Granite Creek. This "journal" contains many interesting anecdotes, only one of which will be repeated here. Packard had written friend Esther Hibbs, then at the Granite Creek ranch, that she (Packard) would arrive on a certain day at Johnson Bar on the Snake River via the riverboat "Chief Joseph." But on arrival no one met her with the expected saddle horse. Somehow she tied her heavy and bulky plant press on her packsack and began the 10-mi hike upriver to Granite Creek. She saw no one until she accidentally met Earl Hibbs on horseback near the mouth of Granite Creek, only a half-mile short of her destination. Earl now suggests that she may have arrived on the same boat as her letter.

As indicated by the herbarium label illustrated in figure 1, Packard was the second person to collect the rare maidenhair fern of the Seven Devils. Her collection likely is from the identical locality as St. John and Mullen's 1927 collection, and Wellner's or Bingham and Miller's later collections, west of Sheep Lake.

The Moores, now retired and living in Novato, CA, mailed the author a large packet of materials, including Packard's thesis outline and map, photos, some of their original field collection notebooks, rough herbarium labels covering collections other than 1937-38, plus many notes on the collections of others (Comstock, Constance, Hibbs, Meyer, Munro, Peters, Sharsmith, and St. John; table 1). With the Moores' permission, eventually these will be deposited with the Marion Ownbey Herbarium or the Washington State University Library archives.

Eminent among plant collectors of the 1930's to 1950's, and in order of number of plants collected in the Seven Devils, were (1) John H. Christ, USDA Soil Conservation Service, Portland, OR; (2) William H. Baker, Department of Biological Sciences and former Director of the University of Idaho Herbarium, Moscow, ID; and (3) Ray J. Davis, founder and first director of the Idaho State University (now Ray J. Davis) Herbarium, Pocatello, ID. Christ, who spent a lifetime collecting mostly Idaho plants, often as a backpacker in the most remote areas, indeed was indefatigable—his collections totaled over 19,000 (collection ledgers, beautifully handwritten and updated after verification of plant identities, are at ID). His industry as a collector is exemplified by the fact that in a single day, covering several miles of extremely rough and broken terrain near Black Lake in the southern Seven Devils, he gathered and pressed 128 separate collections. Late in his life, Christ sold his personal and main herbarium to the New York Botanical Garden (NY), although about a quarter of his collections can be found in ID and WS.

Baker was the only early collector known to have covered the White Bird Ridge portion of the Seven Devils, between the Little Salmon and Rapid Rivers. His rough accession notebooks, covering over 19,170 collections, are at ID, and almost all of his Seven Devils collections remain there. Davis, author of the "Flora of Idaho" (1952), apparently made only one whirlwind collection trip into the Seven Devils, from June 24 to July 3, 1940. On the June 26-28 part of this trip, he probably joined Marion Ownbey, Hannah Aase, and Frederick Meyer of the Washington State College Botany Department (then with students on a spring field trip), and collected with them at Heavens Gate, along trail 112, at Dry Diggins Lookout and at Bernard Lakes. It is very uncertain from Davis' collection numbering, but he could have made as many as 100 to 150 collections in the Seven Devils. Only about 45 of these have been found in ID and WS, however. Most of the remainder can only become known through a herbarium search at IDS because Davis' field collection notebooks were discarded when his Pocatello home was closed by his children in 1982 (Davis 1983). Davis' northern Idaho collections were quite skimpy, and in "Flora of Idaho" he relied heavily on the collections of John H. Christ and C. Epling. Details of the range of Christ, Baker, and Davis collections will be found in table 1.

Five other well-known botanists, each of whom collected 30 to 65 plants while spending 1 to 6 days in the Seven Devils, include:

1. Aven Nelson, whose field records and almost all of his 65 Seven Devils collections are at RM (B. E. Nelson 1983).
2. Quentin Jones, in 1950 working toward a masters degree at the Washington State College Department of Botany.
3. Arthur R. Kruckeberg, Department of Botany, University of Washington, who visited the Seven Devils twice, the second time (1952) leading a field trip of University of Washington students.

4. Marion Ownbey, later director of the WSC (now Ownbey) Herbarium, with Frederick Meyer and Hannah Aase, leading a 1940 WSC botany field trip.

5. Francis W. Pennell, monographer of the Scrophulariaceae, whose 1937 Black Lake area foray was chronicled by his field notes deposited at and obtained from the Philadelphia Academy of Natural Sciences (PH). Most of his Seven Devils collections remain there (Spawn 1983; Schuyler 1984). See table 1 for details on the Seven Devils collections of these five collectors.

Among the 31 remaining Seven Devils plant collectors, and aside from Bingham and Miller, only 10 have gathered from 10 to 29 collections. These collectors are Verne E. Comstock, a WSC agronomy student; Douglass M. Henderson, director, ID; Frederick J. Hermann of the Forest Service, whose personal herbarium recently was deposited at the University of Michigan Herbarium; Monta C. LaZelle, an herbarium assistant at ID, who started a Seven Devils flora; Frederick G. Meyer, then a WSC botany graduate student, who visited the Seven Devils in four different years with the natural history club and with Marion Ownbey; William R. Moore, a WSC forestry student, later husband of Jacqueline Packard, who also made many St. Joe National Forest plant collections while on summer work near Avery, ID; Gerald W. Munro, a WSC horticulture student; Don L. Peters, a WSC agriculture student; Edwin W. Tisdale, emeritus professor of range management at the College of Forestry, Wildlife and Range Sciences, University of Idaho, then establishing study plots for grassland habitat typing; and Charles A. Wellner, Forest Service, first chairman of the Idaho Natural Areas Council and largely responsible for establishment work on the proposed Little Granite Creek Research Natural Area, also the only person known to have collected atop Pollock Mountain. The details of the collections of these 10 collectors, along with those of the collections of the remaining 20 known Seven Devils collectors, will be found in table 1.

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## CHECKLIST

### Aceraceae

- Acer glabrum* Torr. var. *douglasii* (Hook.) Dippel, Douglas Maple.  
Common, encircling entire Seven Devils and along lower Rapid River, 5,000-7,200'.  
Bingham and Miller 562, ID and WS, Douglas-fir-Ninebark h.t. on dry, open, southeast-facing forest slope on lower McClinery Ridge, ca. 1 mi up rd. 517 from its 2d crossing of Papoose Cr. in sec. 26, 5,150', 8/17/72.  
Brewer 34, Council R.D., Patrolman Cr. (small creek north of Jackley Mt.), sec. 1, T. 22 N., R. 2 W., 6,000', 8/30/28.  
Plus 31 Sight Records by Bingham and Miller and C. Johnson and Steele.

### Anacardiaceae

- Rhus glabra* L., Smooth Sumac.  
Scarce, lower Rapid River only, 2,300' ±.  
Bingham and Miller Sight Record, along the lower Rapid River trail 113 ca. ¼ mi above the trailhead gate at the southwest end of the Circle C State Fish Hatchery, 2,300', 6/8/82.
- Rhus radicans* L., Poison Oak or Ivy.  
Scarce, lower Rapid River only, 2,200' ±.  
Bingham and Miller Sight Record, at the trail 113 trailhead gate in the southwest corner of the Circle C State Fish Hatchery, 2,200', 6/8/82.

### Apiaceae

- Angelica arguta* Nutt., Sharp tooth Angelica.  
Scarce, central Seven Devils, 7,000' ±.  
Brewer 38, Council R.D., Iron Springs Ranger Station (at the spring north of Holbrook Saddle), sec. 24, T. 22 N., R. 3 (?2) W., 6,500' (actually nearer 7,000'), 9/2/28.
- Cymopterus terebinthinus* Wats. var. *foeniculatus* (Torr. and Gray) Cronq., Turpentine Cymopterus.  
Uncommon, central Seven Devils, 5,700-8,300'.  
Bingham and Miller 78 and 388, ID, and 420, ID and WS, edge of open sedge meadow in valley ca. ½ mi directly north of the summit of He Devil Mt., 8,300', 7/25/79; south-facing rocky hillside in an open subalpine fir-lodgepole pine forest ca. ½ mi up Hanson Cr. from the Old Boise Trail, 7,300', 7/29/81; and flat, marshy area on the plateau at the very head of Bernard Cr. ca. ¼ mi southwestward along trail 112 from the jct. of trails 112, 140, and 57 at the Iron Phone, 7,400', 8/10/81; respectively.  
Christ 12673, ID, on sliderock along the Sheep Cr. trail, 7/17/41.  
\*St. John and Mullen 8406, ?WS, vicinity of McGaffee Cow Camp, ? elev., 7/18/27.  
Plus 4 Sight Records by Bingham and Miller: Dog Cr., Bridge Cr. below Mirror Lake, trail 123 just northwest of Lily Pad Lake, and shores of Bernard Lakes, 7,200-7,600'.
- Heracleum lanatum* Michx., Cow Parsnip.  
Frequent, entire Seven Devils and Rapid River, 5,000-7,500'.  
Bingham and Miller 262, ID, open north-facing slope protected by cliffs to south, rocky loam, along trail 112 ca. ½ mi west-northwest of the Windy Saddle trailhead, 7,200', 8/29/80.  
Brewer 124, Council R.D., Lost Basin Cr., sec. 22, T. 21 N., R. 2 W., 7,500', 7/17/31.  
Plus 10 Sight Records by Bingham and Miller, Cold Springs Lookout site to Rankin Mill, 5,850-7,300'.
- ?*Ligusticum filicinum* Wats., Fern-leaved Licorice-root.  
\*Christ 12639 and 12716, ?NY, bank of Sheep Cr. Lake No. 2 (Shelf Lake), 7/16/41; and in marsh, Sheep Cr. Swamp,



- 7/17/41; respectively (but range of this taxon is generally to the south and east of the Seven Devils, likely to be *L. tenuifolium* Wats.).
- Ligusticum tenuifolium* Wats., Slender-leaved Licorice-root.  
Scarce, central and southern Seven Devils, 7,200-7,900' ±.  
 \*Christ 8712, ?NY, under edges of huge rocks on slopes above Black Lake, 8/8/37.  
 \*Taylor 1666, WWB, mountain meadow near snowline above Sheep Lake, 7,875' ±, 9/17/67.
- Lomatium ambiguum* (Nutt.) Coult. and Rose, Swale Desert Parsley.  
Scarce, northern Seven Devils, 5,100-5,700'.  
 Bingham 272, ID and WS, ca. 0.3 mi northwards along rd. 2060 from Meyer Cr., 5,720', 7/8/81.  
 Tisdale 7/13/78, IDF 78358, near Low Saddle in the upper Clark's Fork of Sheep Cr., 7/13/78.
- Lomatium cous* (Wats.) Coult. and Rose, Cous Biscuitroot.  
Uncommon (mostly at lower elevs.), northern and central Seven Devils, 5,000-7,800'.  
 Baker 12281, ID, open, gravelly slopes west of Seven Devils Camp, 7/31/54.  
 Bingham 281, ID, and Bingham and Miller 507, ID and WS, on reddish, weathered basalt ca. 0.2 mi east-northeast across rd. 1819 from Cold Springs Cow Camp cabin, 6,620', 8/8/81; and along trail 104 at Big Canyon Saddle, 5,000', 6/11/82; respectively.  
 Christ 12487, ID, windswept, rocky ridge, Seven Devils Ridge, 7/11/41.  
 Munro 71, WS, ridge above McGaffee Cow Camp at head of Bernard Cr., 4,500' (but the Cow Camp is at 5,700'), 5/14/37.  
 Plus 3 Sight Records by Bingham and Miller, Cow Cr. Saddle to Cold Springs Lookout site, 5,000-6,800'.
- Lomatium cusickii* (Wats.) Coult. and Rose, Cusick's Desert Parsley.  
Common, central and southern Seven Devils, 5,500-8,200'.  
 Baker 12279, ID, open, gravelly slopes west of Seven Devils Camp, 7/31/54.  
 Bingham and Miller 211, ID and WS, and Bingham 335, ID, along the Old Boise Trail 101 just north of the Horse Heaven Lookout cabin, 8,150', 8/25/80; and along trail 214 ca. 0.2 mi south of Purgatory Saddle, 7,800', 7/17/81; respectively.  
 \*Christ 12649, ?NY, soil pockets on ridges between Sheep Cr. Lakes 3 and 4 (between Gem and Sheep Lakes), 7/16/41.  
 Christ 12486 and 12656, ID and WS, windswept ridge, Seven Devils Ridge, 7/11/71; and on talus slope above Sheep Cr. Lake No. 4 (Sheep Lake), 7/16/41; respectively.  
 Cusick 2228, WS, dry ridge near Peacock Mine (5 mi north-northeast of Cuprum at the head of the Copper Cr. fork of Deep Cr.), 7/11/1899 (flowers) and 9/5/1899 (prob. 9/15/99, fruits).  
 C. Johnson 8/30/83, BKR 2598, Joes Gap, 8,000', 8/30/83.  
 Q. Jones 228, WS, ¼ mi south of Heavens Gate Lookout, 7/13/50.  
 Meyer 1614, WS, east side of Sheep Cr. 2 mi from Snake River, 5,500', 5/12/39.  
 St. John and Mullen 8480, WS, Dry Diggins Ridge, 7,300', 7/20/27.  
 Plus 12 Sight Records by Bingham and Miller.
- Lomatium dissectum* (Nutt.) Math. var. *eatonii* (Coult. and Rose) Cronq., the long-pediciled and less finely leafleted variety of Fernleaf Desert Parsley.  
Occasional, northern and central Seven Devils, 5,100-6,400'.  
 C. Johnson Sight Records, Plot 791, above rd. 2060 ca. ¼ mi west of Lost Valley Cr., 5,100', 6/29/82; Plot 792, above rd. 2060 just northeast of Lost Valley Cr., 5,200', 6/29/82; and Plot 7044, east of trail 214 ca. 1½ mi north of Emerald Lake, 6,400', 8/19/83.
- Lomatium dissectum* (Nutt.) Math. var. *multifidum* (Nutt.) Math. and Const., the long-pediciled and fine-leafleted variety of Fernleaf Desert Parsley.  
Frequent (mostly at lower elevs.), entire Seven Devils and Rapid River, 5,000-7,800'.

Bingham and Miller 261 and 493, ID and WS, and 479, ID, along trail 112 in the talus slopes ca.  $\frac{1}{4}$  mi east of the jct. of trails 112, 140 and 57 at the Iron Phone, 7,000', 8/29/80; along the lower Rapid River trail 113 across from the mouth of Blue Gulch, 2,400', 6/8/82 (flowers yellow); and along the lower Rapid River trail 113 ca. 1 mi above Blue Gulch, 2,600', 6/8/82 (flowers maroon); respectively.

\*Christ 8613, ?NY, gravelly mountainside, Smith Mt., 8/8/37.

Plus 6 Sight Records by Bingham and Miller and C. Johnson, Big Canyon Saddle and Wild Horse Butte to Black Lake, 5,000-7,800'.

*Lomatium grayi* Coult. and Rose, Gray's Desert Parsley.

Occasional, northern and southern Seven Devils, 5,000-5,600'.

Christ 11076, ID and WS, mountainside in Snake River Gorge west of Cuprum, 5/30/40.

Lewis 2272, BOIS, OGDF, Steele Stand 72-Pa-24, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, sec. 21, T. 20 N., R. 3 W., 5,700', 6/12/72.

Steele 114, BOIS, Stand 72-Pa-25, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,130', 6/12/72.

C. Johnson Sight Record, Plot 793, below the rd. just southwest of Grave Point Lookout, 5,550', 6/29/82.

Steele Sight Record, Stand 72-Pa-26, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,100', 6/12/72.

*Lomatium nudicaule* (Pursh) Coult. and Rose, Barestem Desert Parsley.

Occasional (on weathered basalt), central Seven Devils, 7,300-7,400'.

Bingham and Miller 418, ID and WS, on weathered Imnaha Basalt along trail 112 ca.  $\frac{1}{4}$  mi south of its jct. with trails 140 and 57 at the Iron Phone, 7,400', 8/10/81.

Christ 12710, ID and WS, basalt scab outcrops near Lily Pad Lake, 7/17/41.

Lewis 2267, BOIS, OGDF, near Steele Stand 72-Pa-25, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, sec. 21, T. 20 N., R. 3 W., 5,730', 6/12/72.

St. John and Mullen 8527, WS, dry gravel flat on Dry Diggins, 8,000', 7/22/27.

Plus 1 Sight Record by Bingham and Miller, basalt outcrops northwest of Lily Pad Lake, 7,300', 8/11/81.

*Lomatium serpentinum* (Jones) Math., Snake River Canyon Desert Parsley.

Occasional (mostly at lower elevs.), central and southern Seven Devils and Rapid River, 5,000-7,000'.

Bingham and Miller 485, ID and WS, ca. 1.1 mi up the lower Rapid River trail from the Circle C State Fish Hatchery trailhead gate, 2,350', 6/8/82.

Meyer 1615, WS, above the east side of Sheep Cr. 2 mi from the Snake River, 5,500', 5/12/39.

St. John and Mullen 8458, WS, Dry Diggins Ridge, 7,000', 7/20/27.

Bingham and Miller Sight Record, north end of rd. 106 at Sheep Rock, 6,800', 6/27/83.

*Lomatium tritermatum* (Pursh) Coult. and Rose ssp. *tritermatum* var.

*anomalum* (Jones) Math., the broad-leaf-segmented variety of Nine-leaf Desert Parsley.

Uncommon, northern and southern Seven Devils, 5,000-6,400'.

Bingham and Miller 506, ID and WS, along trail 104 at Big Canyon Saddle, in *Festuca idahoensis* - *Agropyron spicatum* h.t., 5,000', 6/11/82.

Davis 2283, WS, dry ridge, Grave Point Lookout, 6/24/40.

C. Johnson 6/29/82, WS, Plot 793, below rd. just southwest of Grave Point Lookout, 5,550', 6/29/82.

Plus 2 Sight Records by Bingham and Miller and C. Johnson; south of Lockwood Saddle, 6,400'; and above rd. 2060  $\frac{1}{4}$  mi west of Lost Valley Cr., 5,100'.

*Lomatium tritermatum* (Pursh) Coult. and Rose ssp. *tritermatum* var. *tritermatum*, Nine-leaf Desert Parsley.

Occasional, central Seven Devils, 7,000-8,200'.

?Bingham and Miller 74, ID, edge of sedge meadow and *Pinus albicaulis* stand, valley ca.  $\frac{1}{2}$  mi directly north of the

- summit of He Devil Mt., 8,250', 7/25/79 (mature fruits absent).
- Bingham and Miller 423, ID and WS, open forb meadow on north-facing rocky hillside, ca. ½ mi east of the jct. of trails 112 and 56 north-northeast of Hibbs Cow Camp, 7,400', 8/10/81.
- Bingham and Miller Sight Record, along the north fork of Little Granite Cr. trail 112 ca. 2/3 mi south of Hibbs Cow Camp, 7,000', 8/11/81.
- Lomatium triternatum* (Pursh) Coult. and Rose ssp. and var. undet., Nine-leaf Desert Parsley.
- C. Johnson Sight Record, Plot 7076, east of the Heavens Gate Lookout rd. ca. 1/3 mi south of the lookout parking area, 7,930', 9/2/83.
- Osmorhiza chilensis* Hook. and Arnott, Mountain Sweet Cicely.
- Common, entire Seven Devils, 5,100-7,600'.
- Baker 12255, ID, moist woods along Shingle Cr. (along rd. 517), 7/31/54.
- Christ 12686, WS, timbered slopes along the Sheep Cr. trail, 7/17/41.
- C. Johnson 6/29/82, BKR 2034, Plot 789, above rd. 2060 ca. ¼ mi, east of Kirkwood Cr., 5,220', 6/29/82.
- Plus 17 Sight Records by C. Johnson, Kirkwood Cr. to Black Lake, 5,200-7,600'.
- Osmorhiza occidentalis* (Nutt.) Torr., Western Sweet Cicely.
- Common, entire Seven Devils, 5,000-7,800'.
- Baker 12056, ID, open alpine slopes near Seven Devils Camp, 7/21/54.
- Bingham and Miller 140, ID and WS, open, east-facing, rocky slope protected by edge of boulderfield to south and edge of *Abies lasiocarpa*, *Pinus albicaulis*, *Picea engelmannii* forest to north, along the south side of Dog Cr. ca. 3/5 mi below the Lake, 7,500', 7/16/80.
- Brewer 108, Council R.D., Granite Cr. (? Granite fork of the Lake fork of the Rapid River), sec. 10, T. 22 N. (? 21 N.), R. 3 W. (? 2 W.), 8/1/30.
- \*Christ 12528, ?NY, open, grassy east slopes, Heavens Gate, 7/12/41.
- St. John and Mullen 8388, WS, in thicket, McGaffee Cow Camp, 5,400', 7/17/27.
- Plus 28 Sight Records by Bingham and Miller and C. Johnson, including vicinities of Big Canyon Saddle, Cold Springs Lookout, and China Saddle.
- Osmorhiza purpurea* (Coult. and Rose) Suksd., Purple Sweet Cicely.
- Uncommon, central Seven Devils and west Fk. of Rapid River, 6,800-7,600'.
- Bingham and Miller 128 and 167, ID and WS, streambottom under dense, closed forest of *Picea engelmannii*, *Abies lasiocarpa* and *Pseudotsuga menziesii*, just above the Old Boise Trail 101 at Hanson Cr., 6,800', 7/16/80; and streambottom under moderately dense *Abies lasiocarpa*, *Picea engelmannii* forest, bottom of Hanson Cr. ca. ¼ mi below the Old Boise Trail 101, 6,750', 7/17/80; respectively.
- Christ 12671, ID, on sliderock slopes with Douglas-fir, Sheep Cr., 7/17/41.
- Plus 6 Sight Records by Bingham and Miller; McGaffee Cow Camp to Stevens Saddle, 6,800-7,600', and west fork Rapid River.
- Perideridia bolanderi* (Gray) Nels. and Macbr., Bolander's Yampa.
- Uncommon, central and southern Seven Devils, 5,100-7,300'.
- ?Bingham and Miller 430, ID, west-facing rocky slope in an open forb-sedge stand at the edge of a *Pinus contorta-Abies lasiocarpa* forest, along the Dry Diggins Ridge trail 140 just north of its jct. with trails 112 and 57 at the Iron Phone, 7,360', 8/12/81 (flowers white but fruits immature).
- Krückeberg 3199, WS, WTU, dry, open outcrops along flats of Dry Diggins area (prob. along trail 112), 7,000', 8/1/52.

Packard 426, WS, dry, rocky flat near Lily Pad Lake, 7,800'  
(but lake elev. is 7,300'), 7/22-23/38.  
St. John and Mullen 8470, WS, gravel slope, Dry Diggins,  
7,000', 7/20/27.  
Plus 4 Sight Records by Bingham and Miller and Steele  
(including one from the Bear-Indian Crs. divide along rd.  
002).  
*Perideridia gairdneri* (Hook. and Arnott) Math. var. *borealis* Chuang and  
Const., Gairdner's Yampa.  
Scarce, northern and central Seven Devils, 5,200-7,300' ±.  
\*Christ 12621, ?NY, on andesite knolls of dissected plateau,  
Hibbs Cow Camp, 7/15/41.  
C. Johnson Sight Record, Plot 792, above rd. 2060 just north-  
east of Lost Valley Cr., 5,220', 6/29/82.

## Apocynaceae

*Apocynum androsaemifolium* L. var. *pumilum* Gray, Spreading Dogbane.  
Frequent, central Seven Devils and Rapid River, 5,000-8,000'.  
Bingham and Miller 434, ID and WS, northeast shore of Quad Lake,  
7,350', 8/14/81.  
Packard 329, WS, slope above McGaffee Cow Camp, 4,800' (but  
Camp is at 5,700'), 6/29/37.  
Plus 8 Sight Records by Bingham and Miller and C. Johnson,  
McGaffee Cow Camp to Ruth Lake, 6,200-8,000'.

## Asclepiadaceae

*Asclepias speciosa* Torr., Showy Milkweed.  
Scarce, lower Rapid River, 2,200' ±.  
Bingham and Miller Sight Record, open grass-forb slope along  
the lower Rapid River trail 113 ca. 0.1 mi above the  
trailhead gate at the Circle C State Fish Hatchery,  
2,250', 6/8/82.

## Asteraceae

*Achillea millefolium* L. ssp. *lanulosa* (Nutt.) Piper, the Inland Northwest  
subspecies of Yarrow.  
Abundant, one of the Seven Devils' 10 most common plants, ubiquitous  
from the lower Rapid River to peaks under 8,800'.  
Baker 12022, ID, open alpine slopes, Seven Devils Camp, 7/21/54.  
Bingham and Miller 148, ID and WS, *Carex hoodii/Festuca*  
*idahoensis* h.t. in a forest opening just northwest of the  
Old Boise Trail 101 at Hanson Cr., 6,800', 7/17/80.  
Brewer 75, IDF, level, gravelly meadow, Paradise Flat (in the  
head of Paradise Cr. off the Rapid River and ca. ½ mi west  
of the old Iron Springs townsite northeast of Black Lake),  
6,000', 8/2/29.  
\*Christ 12443, ?NY, talus slopes above Seven Devils Lake,  
7/11/41.  
Plus 80 Sight Records by Bingham and Miller, C. Johnson, and  
Steele.  
*Adenocaulon bicolor* Hook., Trail Plant.  
Uncommon, entire Seven Devils, 5,000-6,700'.  
Bingham and Miller 590B and 603, ID and WS, bottom of the  
eastmost small fork of Shingle Cr., bordering a  
Douglas-fir/Ninebark clearcut, on lower McClinery Ridge ca.  
½ mi up rd. 517 from its 2d crossing of Papoose Cr. in sec.  
26, 4,900', 8/17/82; and in a Douglas-fir/Ninebark forest  
along the east fork Sheep Cr. trail 58 just east of ¼ sec.  
Corner 36/31, 5,850', 8/18/82; respectively.  
Plus 4 Sight Records by C. Johnson and Steele, Kirkwood Cr. to  
Landore, 5,000-6,700'.  
*Agoseris aurantiaca* (Hook.) Greene var. *aurantiaca*, Orange False  
Dandelion.  
Common, central Seven Devils, 6,800-7,900'.  
Baker 12270, ID, dry, gravelly hillside on west slope of Heavens  
Gate, 7/31/54.

- Bingham and Miller 153, ID and WS, *Carex hoodii/Festuca idahoensis* h.t. in meadow below the Old Boise Trail 101 just northeast of Hanson Cr., 6,800', 7/17/80.
- \*St. John and Mullen 8472, ?WS, Dry Diggins Area, 7/20/27.  
Plus 17 Sight Records by Bingham and Miller.
- ?*Agoseris glauca* (Pursh) Raf. var. *agrestis* (Osterh.) Q. Jones, the lanceolate-leaved, pinkish-involucral-bracted variety of the Pale False Dandelion (usually from much lower elev. than the collection and sight record below).
- Baker 12084, ID, dry, gravelly soil on a point above Seven Devils Guard Station, 7/21/54.
- C. Johnson Sight Record, Plot 7021, east of trail 124 ca. 1 mi south of Hibbs Cow Camp, 7,050', 8/11/83.
- Agoseris glauca* (Pursh) Raf. var. *dasycephala* (Torr. and Gray) Jeps., the oblanceolate-leaved variety of the Pale False Dandelion.
- Scarce, central and southern Seven Devils, 5,000-6,800'.
- Bingham and Miller 612, ID and WS, in an open *Pseudotsuga menziesii*, *Abies lasiocarpa*, *Pinus contorta*, *Pinus albicaulis* forest near the start of the Sheep Rock Nature Trail at the north end of rd. 106, 6,800', 7/27/83.
- \*St. John and Mullen 8614, ?WS, along Squaw Cr. (above Papoose Cr. on this Little Salmon River tributary), ? elev., 7/27/27.
- Agoseris glauca* (Pursh) Raf. intermediate between vars. *dasycephala* (Torr. and Gray) Jeps., *laciniata* (Eat.) Smiley and *monticola* (Greene) Q. Jones, Pale False Dandelion.
- Uncommon, entire Seven Devils and Rapid River, 5,000-8,100'.
- Bingham and Miller 210, ID and WS, and 390, ID, exposed, subalpine, sedge-forb meadow in the immediate vicinity of the Horse Heaven Lookout cabin, 8,100', 8/25/80; and in an open *Pseudotsuga menziesii* forest ca. 0.1 mi up the Cannon Lake trail from the Old Boise Trail, 6,500', 7/27/81; respectively.
- Plus 7 Sight Records by Bingham and Miller, Big Canyon Saddle to Lockwood Saddle, 5,000-7,600'.
- Agoseris glauca* (Pursh) Raf. var. *monticola* (Greene) Q. Jones, the lanceolate-leaved variety of the Pale False Dandelion.
- Scarce, northern Seven Devils, 5,100-5,300'.
- C. Johnson Sight Records, Plot 781, in an *Agropyron spicatum/Festuca idahoensis* community on the Table Lands ca. ¼ mi south-southeast of Dixon Corrals, 5,150', 6/25/82; and Plot 786, in a *Festuca idahoensis/Koeleria cristata* community ½ mi down Caribou Cr. from rd. 2060 and just north of the cr., 5,260', 6/27/82.
- Agoseris glauca* (Pursh) Raf. var. undet., Pale False Dandelion.
- 5 Sight Records by C. Johnson, Fire Camp Saddle to Horse Heaven Lookout pasture, 5,900-8,070', 8/10/83-9/1/83.
- Agoseris grandiflora* (Nutt.) Greene, large-flowered False Dandelion.
- Scarce, northern Seven Devils, prob. mostly below 5,000'.
- Tisdale Sight Record, vicinity of Low Saddle, 5,200', 7/13/78.
- Agoseris heterophylla* (Nutt.) Greene var. *heterophylla*, Annual *Agoseris*.
- Scarce (mostly from lower elevs.), central Seven Devils, 5,000' ±.
- \*St. John and Mullen 8602, ?WS, along Sheep Cr. (prob. on trail 110), ? elev., 7/26/27.
- Anaphalis margaritacea* (L.) Benth. and Hook., Pearly Everlasting.
- Common, entire Seven Devils, 5,000-8,000'.
- Baird 7/29/71, Council R.D., in timber ½ mi down rd. (108) from Horse Mt. Lookout, 6,900', 7/29/71.
- Baker 11301 and 12063, ID, summit of Sheep Rock, 6,850', 9/3/53; and open, wooded slopes above Seven Devils Guard Station, 7/21/54; respectively.
- Bingham and Miller 233, ID and WS, moderately dense *Abies lasiocarpa* forest on bench along the Ruth Lake trail ca. 0.1 mi east of the lake, 7,200', 8/27/80.
- Plus 32 Sight Records by Bingham and Miller, C. Johnson and Steele, Cold Springs to Kinney Point, 5,000-7,800'.

- Antennaria alpina* (L.) Gaertn. var. media (Greene) Jeps., Alpine Everlasting.  
Uncommon, central and southern Seven Devils, 6,800-8,000' +.  
Baker 11309, ID, moist, shaded slope, Sheep Rock, 9/3/53.  
\*Christ 8617 and 12444, ?NY, high, open mountainside, Smith Mt., 8/8/37; and talus slopes above Seven Devils Lake, 7/11/41; respectively.  
C. Johnson 8/14/83, BKR 2480, Plot 7037, east of the Old Boise Trail 101 ca. 1/3 mi southwest of Papoose Lake, *Pinus albicaulis/Luzula hitchcockii* and *Juncus parviflora* community, 7,980', 8/14/83.  
St. John and Mullen 8572, WS, forming mats on rocky ledge, He Devil Mt., 9,000', 7/24/27.
- Antennaria anaphaloides* Rydb., Tall Everlasting.  
Uncommon, northern and central Seven Devils, 6,700-8,400'.  
\*Christ 12571, ?NY, grassy west slopes, Heavens Gate, 7/12/41.  
Davis 2355, WS, medium dry hillside, Heavens Gate, 6/28/40.  
C. Johnson 9/2/83, BKR 2430, Plot 7076, east of the Heavens Gate Lookout rd. ca. 1/3 mi south of the parking area for the Lookout, *Festuca idahoensis/Phlox diffusa* community, 7,930', 9/2/83.  
Q. Jones 212, WS, vicinity of Heavens Gate Lookout, 7/12/50.  
Tisdale 7/11/79, IDF 81131, 1½ mi west of Cold Springs Lookout, 6,700', 7/11/79.
- Antennaria lanata* (Hook.) Greene, Woolly Everlasting.  
Uncommon, central and southern Seven Devils, 7,600-8,400'.  
\*Baker 12030, ?ID, open alpine slopes, Seven Devils Camp, 7/21/54.  
Bingham and Miller 22, ID, along the trail from the Heavens Gate parking lot to the Lookout, in an open *Abies lasiocarpa-Pinus albicaulis* stand, 8,300', 7/21/79.  
\*Christ 8708, ?NY, grassed talus slopes near Black Lake, 8/8/37.  
C. Johnson 8/14/83, BKR 2478, Plot 7037, east of the Old Boise Trail 101 ca. 1/3 mi southwest of Papoose Lake, *Pinus albicaulis/Luzula hitchcockii* and *Juncus parviflora* community, 7,980', 8/14/83.  
Steele 938, BOIS and ID, just below Heavens Gate, 8/8/74.  
 Plus 1 Sight Record by Bingham and Miller.
- Antennaria luzuloides* Torr. and Gray, Woodrush Everlasting.  
Occasional, entire Seven Devils, 5,700-7,400'.  
Aldrich 7/4/07, ID 7824, Camp Howard, 7/4/07.  
Bingham 309, ID, on open, weathered, reddish basalt east-northeast across rd. 1819 from Cold Springs Cow Camp, 6,620', 7/10/81.  
Brewer 63, Council R.D., Huntley Spring, sec. 14, T. 20 N., R. 3 W., 5,000', 7/1/29.  
Steele 83, BOIS, Steele Stand 72-Pa-25, Bear-Indian Crs. divide, sec. 28, T. 20 N., R. 3 W., 5,130', 6/12/72.  
 Plus 2 Sight Records by C. Johnson and Steele, Dry Diggins Ridge trail 140 and Bear-Indian Crs. divide.
- Antennaria microphylla* Rydb., Rosy Everlasting.  
Abundant, Camp Howard to Lockwood Saddle, 5,000-8,000'.  
Aldrich 7/4/07, ID 7798, Camp Howard (prob. the Cow Camp), 5,000', 7/4/07.  
Baird 7/29/71, Council R.D., open ridge at trailhead to Horse Heaven (? jct. trails 214 and 218), 7,500', 7/29/71.  
Baker 12018 and 12058, ID, both open gravelly slopes, Seven Devils Camp, 7/21/54.  
Bingham and Miller 127, 392, and 404, ID, small open meadow along the Old Boise Trail 101 just northeast of Hanson Cr., 6,800', 7/16/80; in the Cannon Lake burn ca. ½ mi up the Cannon Lake trail from the Old Boise Trail 101, 6,800', 7/22/81; and in a *Pseudotsuga menziesii* forest on a southeast-facing slope along the Old Boise Trail 101 ca. 0.1 mi north of the Cannon Lake trail, 6,500', 7/26/81; respectively.

- Henderson and Bingham 3865, ID, east shore of Baldy Lake, 7/16/77.
- C. Johnson 8/10/83 and 8/30/83 (2 colls.), BKR 2475, 2589 and 2590, Plot 7014, above trail 124 ca. ¼ mi south of the summit of Potato Hill, *Festuca idahoensis*-*Carex hoodii* h.t. 7,150', 8/10/83; Plot 7062, north of trail 217 at the southwest end of the 2d lake west-northwest trail, *Artemisia tridentata*-*Carex geyeri* community 7,360', 8/30/83; and Plot 7064, east of trail 217 in Horse Pasture Basin ca. ¼ mi southeast of Joes Gap, fire succession community, 7,620', 8/30/83.
- St. John and Mullen 8510, WS, rock cliffs, Dry Diggins Area, 8,000', 7/21/27.
- Tisdale 7/17/79, IDF 80176, subalpine grassland, Seven Devils Guard Station pasture, 7,500', 7/17/79.
- Plus 36 Sight Records by Bingham and Miller and C. Johnson.
- Antennaria racemosa* Hook., Raceme Everlasting.
- Common, northern and central Seven Devils and in Rapid River, 5,000-7,300'.
- Baker 1200C, ID, moist grassy bank, wooded slope, 9 mi west of Riggins (prob. along rd. 517 on McClinery Ridge), 6/21/40.
- Bingham and Miller 171 (male plants) and 172 (female plants), ID and WS, along the Old Boise Trail 101 ca. ¼ mi south of Cannon Cr., 7,100', 7/18/80 (both collections from same locality and population).
- \*Christ 12582, ?NY, on cliffs in cirque below Seven Devils Lake, 7/13/41.
- Henderson and Bingham 3865, ID, east shore of Baldy Lake, 7/6/77.
- Q. Jones 230, ID and WS, 4 mi toward Riggins from Heavens Gate (prob. from Windy Saddle along rd. 517 near the top of McClinery Ridge), 7/14/50.
- Plus 15 Sight Records by Bingham and Miller, C. Johnson and Steele.
- Antennaria umbrinella* Rydb., Umber Everlasting.
- Frequent, central and southern Seven Devils, 6,900-9,000'.
- Bingham and Miller 91 and Bingham 333, ID, open southeast-facing ridgetop with a loose gravelly rocky soil along northwest ridge off He Devil Mt., 9,000', 7/26/79; and open lake shore northwest shore of Black Lake, 7,200', 7/17/81; respectively.
- Tisdale 7/17/79, IDF 80178, subalpine grassland, Seven Devils Guard Station pasture, 7,500', 7/17/79.
- Plus 10 Sight Records by Bingham and Miller, Bernard Lakes to Horse Mt. Lookout, 7,200-8,100'.
- Anthemis cotula* L., Stinking Mayweed (European introduction).
- Scarce, lower Rapid River, 2,200' ±.
- Bingham and Miller 530, ID and WS, gate trailhead of trail 113 at the Circle C State Fish Hatchery, 2,200', 7/1/82.
- Arctium minus* (Hill) Bernh., Common Burdock (European introduction).
- Occasional, lower, northern Seven Devils and Rapid River, 5,000-5,900'.
- Bingham and Miller Sight Records, vicinity of Sawpit Saddle, 5,050', 7/8/81; near the jct. of rds. 1819 and 2060 ca. 1/3 mi east of Low Saddle, 5,900', 7/10/81; along rd. 672 south of Grave Point, 5,000', and near the lower Rapid River trail 113 trailhead at the Circle C State Fish Hatchery gate, 2,200', 6/8/82.
- Arnica cordifolia* Hook. var. *cordifolia*, Heart-leaf Arnica.
- Abundant, entire Seven Devils and Rapid River, 5,000-7,800' (undoubtedly the most common Seven Devils plant, 85 occurrences noted).
- Baird 6/26/72, Council R.D., on rd. to Black Lake (112), ? elev., 6/26/72.
- Baker 12271, ID, dry, gravelly hillside on west slope of Heavens Gate, 7/31/54.
- Bingham and Miller 158, ID, opening in dense *Abies lasiocarpa*/*Picea engelmannii* forest, bottom of Hanson Cr. just below the Old Boise Trail 101, 6,700', 7/17/80.

\*Christ 12472, ?NY, slopes of Seven Devils Ridge, 7/11/41.  
Christ 12542, ID, ledges on peak Heavens Gate, 7/12/41.  
Davis 2319, WS, Bernard Lakes, 6/26/40.  
LaZelle 5, ID, along rd. in Seven Devils Campground, 7,500',  
8/29/63.  
St. John and Mullen 8550, WS, rockslide on He Devil Mt.,  
9,000', 7/24/27.

Plus 78 Sight Records by Bingham and Miller, C. Johnson, and  
Steele, Big Canyon Saddle to Huntley Gulch, 5,000-7,800'.

*Arnica diversifolia* Greene, Sticky Arnica.

Occasional, central Seven Devils, 7,600-7,800'.

Christ 12585, ID and WS, and 12640, ID, cirque below Seven  
Devils Lake, 7/13/41; and stream connecting Sheep Lakes 2  
and 3 (west fork of west fork of Sheep Cr. between Shelf and  
Gem Lakes), 7/16/41; respectively.

Kruckeberg 3194, ID, WS, WTU, on talus and in crevices above  
Sheep Lake No. 2 (Shelf Lake), 7,500', 7/31/52.

*Arnica fulgens* Pursh, Orange or Hillside Arnica.

Uncommon, northern Seven Devils, 5,000-8,000'.

Aldrich 7/4/07, ID, Camp Howard (prob. the Cow Camp), 7/4/07.

Bingham 275, ID, and Bingham and Miller 385, ID and WS, *Festuca*  
*idahoensis*/*Koeleria cristata* grassland at Sawpit  
Saddle, 5,050', 7/8/81; and *Carex hoodii*/*Festuca*  
*idahoensis* grassland, northwest slopes of Bald Mt., 8,000',  
7/30/81; respectively.

Tisdale 7/11/79, IDF 80182, 1½ mi west of Cold Springs Lookout,  
6,600', 7/11/79.

Plus 3 Sight Records by Bingham and Miller.

*Arnica latifolia* Bong. var. *gracilis* (Rydb.) Cronq., the small variety  
of Mountain Arnica.

Common, entire Seven Devils, 6,500-8,300'.

Bingham and Miller 81, 375, and 406, ID, in an *Abies*  
*lasiocarpa*/*Pinus albicaulis* forest on the rocky ridge  
along trail 123 between Gem and Sheep Lakes, 8,250',  
7/25/79; open Douglas-fir forest ca. 0.1 mi up the Cannon  
Lake trail from the Old Boise Trail 101, 6,500', 7/27/81;  
and open, northeast-facing cliffs along trail 112 ca. ½ mi  
west of Windy Saddle trailhead, 7,050', 8/10/81; respectively.

Christ 12441, 12467, and 12547, ID, and 12476, ID and WS, moraine  
ridges adjacent to Seven Devils Lake, 7/11/41; rock crevices  
in lee of cliff, Seven Devils Ridge, 7/11/41; slopes of Seven  
Devils Ridge, 7/12/41; and north face of peak, Heavens Gate,  
7/11/41; respectively.

Davis 2325, WS, Sheep Cr., 6/26/40.

Henderson 3854, ID, Little Granite-Three Crs. divide ca. ½ mi  
west of Hibbs Cow Camp, 7,500', 7/6/77.

Plus 15 Sight Records by Bingham and Miller, Heavens Gate to  
Kinney Point, 6,800-8,100'.

?*Arnica latifolia* Bong. var. *latifolia*, Mountain Arnica (usually found  
at lower elevs.).

C. Johnson 8/12/83, BKR 2565, Plot 7026, east of trail 56 ca.  
¼ mi southwest of the largest Bernard Lake, 7,740', 8/12/83.

*Arnica latifolia* Bong. var. *undet.*, Mountain Arnica.

1 Steele Sight Record.

*Arnica longifolia* D. C. Eat., Seep-spring Arnica.

Scarce, central Seven Devils, 7,700' ±.

Bingham and Miller 351, ID and WS, open, east-facing stream bot-  
tom of the Mirror Lake Fk. of Bridge Cr., ca. ¼ mi below the  
Lake, 7,700', 7/26/81.

\*Nelson and Nelson 2978, ?RM, Dry Diggins Camp, 8/10-15/38.

*Arnica mollis* Hook., Hairy Arnica.

Frequent, central and southern Seven Devils, 6,500-8,400'.

Bingham and Miller 354, ID and WS, in an *Abies lasiocarpa*/  
*Picea engelmannii* forest bordering the perched marsh in  
the Mirror Lake Fk. of Bridge Cr. ca. ½ mi below the  
lake, 7,300', 7/26/81.

\*Christ 8698, ?NY, high slopes and ridges near Black Lake,  
7/7/37.



- Christ 12552, ID, in lee of rocks on ridge, Heavens Gate, 7/12/41.  
 Plus 15 Sight Records by Bingham and Miller and C. Johnson, Dry Diggins Ridge to Joes Gap, 6,500-8,200'.
- Arnica parryi* Gray var. *parryi*, Nodding Arnica.  
Uncommon, central Seven Devils, 7,000-8,000' (mostly restricted to the area within a few miles of Hibbs Cow Camp, with an outlier near Stevens Saddle).  
Bingham and Miller 425, ID and WS, forb-grass meadow in open forest, along Dry Diggins Lookout trail 56 ca. ¼ mi north of trail 112, 7,600', 8/11/81.  
C. Johnson 8/12/83, BKR ?2469, Plot 7025, west of trail 56 ca. ¼ mi south-southeast of Three Cr. Point, *Abies lasiocarpa*/*Vaccinium scoparium* community, 7,900', 8/12/83.  
 Plus 7 Sight Records by Bingham and Miller, south end of Dry Diggins Ridge, Echo Lake trail 129, just south of Hibbs Cow Camp, trail 123 between Lily Pad and Basin Lakes, just north of Stevens Saddle, near jct. trails 112 and 56, and along trail 124 ½ mi south of Hibbs Cow Camp, 7,000-7,600'.
- Arnica rydbergii* Greene, Subalpine Arnica.  
Scarce, central Seven Devils, 7,400-7,600'.  
Baker 12282, ID, open, gravelly slopes west of Seven Devils Camp, 7/31/54.  
Christ 12616, ID, on promontory jutting into Sheep Cr. Lake No. 2 (Shelf Lake), 7/14/41.
- Arnica sororia* Greene, Twin Arnica.  
Uncommon, northern Seven Devils, 5,100-7,200'.  
Bingham 540, ID and WS, open grass-forb stand along rd. 420 ca. 0.1 mi south of Cow Cr. Saddle, 5,240', 7/21/82.  
 Plus 4 Sight Records by Bingham and Miller, C. Johnson, and Tisdale, Dixon Corrals to Fire Camp Saddle, 5,100-7,200'.  
 ?*Arnica ventorum* Greene (not known from Pacific Northwest).  
 \*Nelson and Nelson 2985, RM, Horse Heaven, 8/10-15/38.
- Artemisia ludoviciana* Nutt. var. *incompta* (Nutt.) Cronq., the high-elevation variety of Louisiana Sage.  
Common, northern and central Seven Devils and Rapid River, 5,000-7,900'.  
Bingham and Miller 252, ID and WS, very rocky, open, grass-forb slope, along trail 124 at the north end of the switchbacks in the head of the south fork of Devils Farm Cr. ca. ¾ mi north of Horse Heaven Saddle, 7,800', 8/28/80.  
 Plus 21 Sight Records by Bingham and Miller and C. Johnson, Big Canyon Saddle to north of Emerald Lake, 5,000-7,900'.
- Artemisia michauxiana* Bess., Michaux Mugwort.  
Occasional, central and southern Seven Devils, 7,000-7,200'.  
Baird 9/8/71, Council R.D., at Sheep Rock point, 6,850', 9/8/71.  
Baker 11294, ID, rocky slopes, summit of Kinney Point, 9/3/53.  
 \*Nelson and Nelson 3023, ?RM, near rockslide, Dry Diggins trail, 7/10-15/38.  
St. John and Mullen 8490, WS, rocky ridge, Dry Diggins, 7,000', 7/20/27.
- Artemisia rigida* (Nutt.) Gray, Rigid Sagebrush.  
Occasional, northern and southern Seven Devils, at lower elevs., 5,000-5,300'.  
Bingham 273, ID, open, basaltic ridgetop with grass-forb-sagebrush stand immediately north of the forks of rds. 420 and 672 at Cow Cr. Saddle, 5,260', 7/8/81 (as host of *Orobanche fasciculata*).  
Lewis 2269b, BOIS, OGDf, near Steele Stand 72-Pa-25, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,700', 6/12/72.  
 Plus 3 Sight Records by Bingham and Miller and Steele, Big Canyon Saddle to Bear-Indian Crs. divide along rd. 002, 5,000-5,200'.
- Artemisia tridentata* Nutt. var. *vaseyana* (Rydb.) Beetle, the montane variety of Big Sagebrush.  
Common, entire Seven Devils, 5,000-8,000'.

- Bingham and Miller 169 and 245, ID and WS, east-facing, rocky, grass-sedge-sagebrush slope, between Bridge and Cannon Crs. along the Old Boise Trail 101, 6,800', 7/18/80; and southwest-facing, rocky grass-sagebrush slope, just northwest of Stevens Saddle along trail 192, 7,600', 7/27/80; respectively.
- \*Christ 8682, ?NY, highest ridges near Black Lake, 7/7/37.
- Packard 343, WS, open, dry ridgetops, Potato Hill, 6/13-30/37.
- St. John and Mullen 8529, WS, gravelly ridge, Dry Diggins, 7/22/27.
- Plus 21 Sight Records by Bingham and Miller and C. Johnson.
- Aster alpigenus* (Torr. and Gray) Gray var. *haydenii* (Porter) Cronq., the Rocky Mountain variety of the Alpine Aster.
- Scarce, central Seven Devils, 7,800' ±.
- \*Christ 12643, ?NY, small, grassy "lake" in talus, Sheep Cr. Lake No. 3 (Gem Lake), 7/16/41.
- Aster conspicuous* Lindl., Showy Aster.
- Uncommon, entire Seven Devils, 5,000-6,400'.
- Baker 11338, ID, open, shaded woods 6 mi north of Cuprum (prob. along rd. 106), 9/3/53.
- St. John and Mullen 8435, WS, rocky, ridge, McGaffee Cow Camp, 5,500', 7/19/27.
- Plus 7 questionable Sight Records by C. Johnson and 2 Sight Records by Steele, Lost Valley Cr. to Bear-Cuprum rd. 002, 5,000-6,400'.
- Aster foliaceus* Lindl. var. *canbyi* Gray, the dry-site variety of the Leafy-bracted Aster.
- Common, entire Seven Devils, 5,200-8,200'.
- Bingham and Miller 207, ID and WS, subalpine grassland, immediate vicinity of Horse Heaven Lookout cabin, 8,200', 8/25/80.
- Brewer 36, Council R.D., Iron Springs Ranger Station, 6,500', 9/3/28.
- \*Christ 8645, ?NY, timbered slopes surrounding Black Lake, 7/7/37.
- Kruckeberg 2335, ID and WTU, end of rd. from Riggins (then at Windy Saddle), 8/25/51.
- \*Nelson and Nelson 2975 and 2988, ?RM, Dry Diggins Camp, and Horse Heaven, respectively, 8/10-15/38.
- Plus 28 Sight Records by Bingham and Miller, Cow Cr. Saddle to Black Lake, 5,200-8,000'.
- Aster foliaceus* Lindl. var. *cusickii* (Gray) Cronq., the Wallowa Mountains variety of the Leafy-bracted Aster.
- Scarce, central Seven Devils, 8,000' ±.
- Baird 9/8/71, Council R.D., Towsley Spring (along rd. 106), 7,000', 9/8/71.
- Baker 12266, ID, dry, gravelly west slope of Heavens Gate, 7/31/54.
- Simon 8/28/84 and 8/29/84, BKR, C. Johnson Plot 7012, above trail 124 on Haas Flat ca. ½ mi north of Horse Heaven Saddle, 8,070', 8/28/84; and C. Johnson Plot 7009, above trail 101 southeast of Haas Lake overlooking Mill Cr., 7,350', 8/29/84; respectively.
- Aster foliaceus* Lindl. var. *lyallii* (Gray) Cronq., the tall variety of the Leafy-bracted Aster.
- Uncommon, central Seven Devils, 7,000-8,100'.
- Bingham and Miller 236, ID and WS, bordering a small marsh in an *Abies lasiocarpa* stand along the Ruth Lake trail ca. 0.1 mi east of the lake, 7,200', 8/27/80.
- C. Johnson 8/10/83, BKR ?2469, Plot 7011, Horse Heaven Lookout pasture west of trail 101, *Festuca idahoensis*-*Carex hoodii* community, 8,040', 8/10/83.
- Plus 3 Sight Records by Bingham and Miller and C. Johnson, Horse Heaven Cr., Haas Flat, and Windy Saddle, 7,000-8,100'.
- Aster foliaceus* Lindl. var. *parryi* (Eat.) Gray, Parry's Aster or the glabrous variety of the Leafy-bracted Aster.
- Scarce, northern Seven Devils, 5,600' ±.

Bingham 558, ID and WS, ridgetop grass-forb-sedge stand ca. 150' northeast of the Grave Point Lookout tower, 5,530', 7/21/82.  
*Aster foliaceus* Lindl. var. undet., Leafy-bracted Aster.

\*Christ 8704, ?NY, lower slopes among trees near Black Lake, 8/8/37.

Plus 4 Sight Records by Bingham and Miller and Tisdale.

*Aster integrifolius* Nutt., Entire-leaved Aster.

Common, central and high southern Seven Devils, 6,500-8,000'.

Baker 11315 and 11335, ID, grassy, open meadow, Kinney Point, 9/3/54; and 6 mi north of Cuprum (prob. along rd. 106), 9/3/53; respectively.

Bingham and Miller 206 and 221, ID and WS, sedge-forb meadow on rocky ridgetop in forest opening, immediate vicinity of Horse Heaven Lookout cabin, 8,200', 8/25/80; and on north-facing talus at the west edge of the Horse Heaven Lookout pasture ca. ¼ mi southwest of the Lookout cabin, 8,000', 8/25/80; respectively.

\*Christ 8611, ?NY, high, open mountainside, Smith Mt., 8/8/37.

Hibbs 8/17/37, WS 107757, ridge above "The Swamps," Dry

Diggins area, 7,400', 8/17/37.

LaZelle 21, ID, on gravelly soil along the rd. ¼ mi east of Seven Devils Campground, 7,500', 8/29/63.

\*Nelson and Nelson 3002, ?RM, Dry Diggins Lookout, 8/10-15/38.

Packard 433, WS, low ridge above the Swamps, Dry Diggins area, 7,400', 7/24/38.

Simon 8/24/84 and 8/28/84, BKR and C. Johnson Plot 7011,

200' west of trail 101 in Horse Heaven Lookout pasture,

8,040', 8/24/84; and C. Johnson Plot 7012, above trail

124 in Haas Flat ca. ½ mi north of Horse Heaven Saddle,

8,070', 8/28/84; respectively.

Plus 29 Sight Records by Bingham and Miller and C. Johnson.

*Aster perelegans* Nels. and Macbr., Elegant Aster.

Occasional, central and southern Seven Devils, 5,000-7,000'.

Baker 11333, ID, open wooded slope above spring, 6 mi north of Cuprum (prob. along rd. 106), 9/3/53.

Bingham and Miller 598, ID and WS, open *Pinus ponderosa* forest, prob. Douglas-fir/Ninebark h.t., on lower McClinery Ridge along rd. 517 ca. 1 mi above its 2d crossing of main Papoose Cr. in sec. 26, 5,150', 8/17/82.

C. Johnson 8/19/83, BKR 2045, Plot 7045, east of trail 214 ca. ½ mi south of Stevens Saddle, 6,900', 8/19/83.

*Balsamorhiza incana* Nutt., Hoary Balsamroot.

Scarce, northern Seven Devils, 5,200-5,600'.

Bingham 457, ID and WS, open, basaltic ridgetop with a grass-forb stand immediately south of rd. 420 at Cow Cr. Saddle, 5,250', 5/25/82 (growing alongside *B. sagittata*, may be a hybrid).

C. Johnson Sight Record, Plot 793, just southwest of Grave Point Lookout, 5,550', 6/29/82.

*Balsamorhiza sagittata* (Pursh) Nutt., Arrowleaf Balsamroot.

Common, entire Seven Devils and Rapid River, 5,000-7,600'.

Bingham and Miller 181, ID, open Douglas-fir stand on rocky east-facing slope along the Old Boise Trail ca. 1/2-3/4 mi north of Hanson Cr., 6,800', 7/18/80.

Q. Jones 192, ID and WS, vicinity of Heavens Gate Lookout, 7/11/50.

Moore 73, WS, rocky hillside along Bernard Cr. trail (110) 3 mi from Snake River, 5,000', 5/16/36.

Plus 24 Sight Records by Bingham and Miller and C. Johnson, Big Canyon Saddle to Lockwood Saddle, 5,000-7,600'.

?*Brickellia microphylla* (Nutt.) Gray var. *microphylla*, Small-leaved Brickellbush (see discussion below).

Scarce, central Seven Devils (Quad Lake), 7,400' ±.

Bingham and Miller 436, ID and WS, at base of cliffs in an open *Pinus albicaulis*/*Pinus contorta*/*Abies lasiocarpa* stand above the northeast side of Quad Lake, 7,400', 8/14/81 (This collection is from very high elev. for *B. microphylla*, the leaves and petioles are long, and the

- involucral bracts short for the species; flowers are purplish. Sent to Cronquist for verification).
- Chaenactis alpina* (Gray) Jones, Alpine False-yarrow.  
Uncommon, higher central Seven Devils, 7,600-9,400'.  
Bingham and Miller 41 and 94, ID, crevices in bedrock ridge, summit of She Devil Mt., 9,300', 7/23/79; and in crevices in bedrock bench ca. 50' south and 25' below the summit of He Devil Mt., 9,370', 7/26/79, respectively.  
Christ 12465, ID, rock crevices, Seven Devils Ridge, 7/11/41.  
\*Christ 12676, ?NY, in sliderock on Sheep Cr. trail, 7/17/41.  
Kruckeberg 3183, WS, WTU, dry, rocky, south-facing slopes at saddle at end of Seven Devils rd. (rd. 517 at Windy Saddle), 7,500', 7/30/52.  
\*Nelson and Nelson 3016, ?RM, top of He Devil, 8/10-15/38.  
St. John and Mullen 8570, WS, rockslide off He Devil Mt., 9,000', 7/24/27.
- Chaenactis douglasii* Hook. and Arnott var. undet., Hoary False-yarrow.  
Scarce, mostly at lower elevs., entire Seven Devils, 5,000' ±.  
Burkhardt 5/30/68, IDF 68179, open slopes, Kleinschmidt Grade, 5,000', 5/30/68.
- Chrysanthemum leucanthemum* L., Oxeye Daisy (European escape).  
Scarce (mostly at lower elevs.), central Seven Devils, 5,000-7,000'.  
Bingham and Miller Sight Records: along trail 110 just east of McGaffee Cow Camp, 5,800', 8/12/81; and along the Old Boise Trail 101 between Hanson and Dog Crs., 7,000', 8/19/81.
- Chrysothamnus nauseosus* (Pall.) Britt. var. *artis* (A. Nels.) Cronq., the variety of Common Rabbitbrush having glabrous involucral bracts.  
Scarce (mostly at lower elevs.), entire Seven Devils and lower Rapid River, 5,000' ±.  
Bingham 270, ID, open grass/forb stand in the *Festuca idahoensis*/*Koeleria cristata* h.t., on a rocky ridgetop at Sawpit Saddle, 5,050', 8/8/81.  
Bingham and Miller Sight Record, in a weedy, southeast-facing grass stand on sandy-gravelly soil ca. ¼ mi up trail 113 from its Circle C State Fish Hatchery trailhead, 2,250', 6/8/82.
- Cichorium intybus* L., Chicory (European introduction).  
Scarce (mostly at lower elevs.), entire Seven Devils and lower Rapid River, 5,000' ±.  
Bingham and Miller 561, ID and WS, in the roadway of rd. 517 ca. ½ mi above its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.  
Bingham and Miller Sight Record, in the trail tread at the trailhead gate of trail 113 at the Circle C State Fish Hatchery along the lower Rapid River, 2,200', 6/8/82.
- Cirsium arvense* (L.) Scop. var. *horridum* Wimm. and Grab., the cut-leaf variety of Canadian Thistle (European introduction).  
Uncommon, central Seven Devils and lower Rapid River, 5,000-7,600'.  
Bingham 542, ID and WS, in the road bed of rd. 420 ca. 0.1 mi south of Cow Cr. Saddle, 5,240', 7/21/82.  
 Plus 4 Sight Records by Bingham and Miller at McGaffee Cow Camp, Horse Heaven Lake, and in the Rapid River, 5,700-7,600'.
- Cirsium canovirens* (Rydb.) Petr., Gray-green, White-flowered Thistle.  
Frequent, central Seven Devils and Rapid River, 5,000-8,000'.  
Bingham and Miller 398, ID, in the bottom of Bridge Cr. ca. 1/8 mi below the Mirror Lake outlet where the manway crosses the creek, 7,900', 7/26/81.  
 Plus 11 Sight Records by Bingham and Miller, Dry Diggins Ridge to head of Devils Farm Cr., 6,800-7,700'.
- Cirsium subniveum* Rydb., Jackson's Hole Thistle.  
Scarce, central Seven Devils, 7,600' ±.  
Baker 12039, ID, open alpine slopes, Seven Devils Camp, 7/21/54.
- Cirsium undulatum* (Nutt.) Spreng., Wavy-leaved Thistle.  
Occasional, northern and central Seven Devils, 5,200-6,900'.  
\*Christ 12631, ?NY, rock slides on trail to Baldy Lake (either trail 124 or the Baldy Lake trail), 7/15/41.

- Tisdale Sight Records: plotsites 73 and 74, vicinity of Low Saddle, 5,200', 7/13/78; and plotsites 90 and 91, vicinity of Cold Springs Cow Camp, 6,600', 7/13/79.
- Cirsium utahense* Petr., Utah Thistle.  
Scarce, central Seven Devils, 6,500-7,500'.  
C. Johnson 8/14/83, BKR 2485, Plot 7035, ca. ½ mi west of trail 110 at the Old Timer Mine and cabin, 6,550', 8/14/83.  
St. John and Mullen 8536, WS, rocky ridge on Dry Diggins, 7,500', 7/22/27.
- Cirsium vulgare* (Savi) Tenore, Bull Thistle (European biennial weed).  
Scarce (mostly at lower elevs.), entire Seven Devils, 5,000' ±.  
Bingham and Miller 559, ID, in the roadbed of rd. 517 ca. ½ mi up the road from its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.
- Coryza canadensis* (L.) Cronq. var. *glabrata* (Gray) Cronq., Horsetweed.  
Scarce, Rapid River only, 2,200-2,400'.  
Bingham and Miller Sight Record, along the lower Rapid River trail 113 across from Blue Gulch, 2,400', 6/8/82.
- Crepis accuminata* Nutt. ssp. *accuminata*, Tapertip Hawksbeard.  
Occasional, northern and central Seven Devils, 5,500-7,700'.  
Baker 12070, ID, rocky point above Seven Devils Guard Station, 7/21/54.  
Bingham and Miller 120, ID and WS, on open, southeast-facing rocky-gravelly slope with a forb stand, on the southeast side of the Cannon-Hanson Crs. ridge ca. ½ mi north-northeast of the jct. of Hanson Cr. and the Old Boise Trail 101, 7,400', 7/15/80.  
 Plus 2 Sight Records by C. Johnson, Grave Point Lookout and Stevens Saddle, 5,550-7,710'.
- Crepis atrabarba* Heller ssp. *originalis* Bab. and Stebbins, the tall subspecies of Slender Hawksbeard.  
Scarce, central Seven Devils, 7,800' ±.  
Bingham and Miller 250, ID and WS, in the open sedge-grass-forb meadow of the Horse Heaven Lookout pasture just south of the Idaho-Adams Co. line ca. 0.3 mi south of the Horse Heaven Lookout cabin, 7,840', 8/27/80.
- Crepis atrabarba* Heller ssp. undet., Slender Hawksbeard.  
Steele Sight Record, Stand 72-Pa-26, Bear-Indian Crs. divide along rd. 002, 5,100', 6/12/72.
- Crepis intermedia* Gray, Gray's Hawksbeard.  
Scarce, southern Seven Devils and Rapid River, 5,000-7,100'.  
Bingham and Miller 484 and 608, ID, south-facing, open, rocky-gravelly, grassy brushy slope in an *Agropyron spicatum*/*Celtis reticulata* h.t., ca. ½ mi up the lower Rapid River trail 113 from the Circle C State Fish Hatchery trailhead gate, 2,280', 6/8/82; and open, rocky ridgetop with a sagebrush-grass stand, 200' southeast of the summit of Kinney Point, south of the spur road to the Point, 7,100', 7/27/83; respectively.
- Erigeron acris* L. var. *debilis* Gray, the low, glandular variety of Northern Daisy.  
Occasional, central Seven Devils, 7,800-9,000'.  
 \*Christ 12644, ?NY, small grassy meadow in talus, Sheep Cr. Lake No. 3 (Gem Lake), 7/16/41.  
Kruckeberg 3205, WS, WTU, on rocky slopes and in crevices just below Dry Diggins Lookout, 8/1/52.  
St. John and Mullen 8553, WS, rockslide on He Devil Mt., 9,000', 7/24/27.
- Erigeron bloomeri* Gray var. *bloomeri*, Scabland Fleabane.  
Scarce, central Seven Devils, 7,300' ±.  
St. John and Mullen 8459, WS, gravel ridge, Dry Diggins, 7/20/27.
- Erigeron compositus* Pursh var. *glabratus* Macoun, Dwarf Mountain Daisy.  
Common, entire Seven Devils, 5,000-9,400'.  
Baker 12072, ID, rocky point above Seven Devils Guard Station, 7/21/54.  
Bingham and Miller 12, 42, 43, 93, and 98, ID, and Bingham 464 and Bingham and Miller 505B, ID and WS, (12) exposed rock

crevices at foot of Heavens Gate Lookout tower, 8,430', 7/21/79; (42 and 43) bedrock crevices on summit of She Devil Mt., 9,300', 7/23/79; (93 and 98) crevices in bedrock bench ca. 50' south and 25' below the summit of He Devil Mt., 9,370', 7/26/79; (464) on basalt-rock ridgetop immediately north of rd. 420 at Cow Cr. Saddle, 5,250', 5/25/82; and (505B) along trail 104 at Big Canyon Saddle, open grassland, 5,000', 6/11/82.

\*Christ 8657 and 12561, ?NY, common on slopes and ridges near Black Lake, 8/8/27; and windswept ridges, Heavens Gate, 7/12/41; respectively.

Christ 12560, ID and WS, windswept ridge, Heavens Gate, 7/12/41.  
Q. Jones 227, ID and WS, bare, rocky ridge, Heavens Gate, 7/13/50 (apomictic).

\*Moore 97, ?WS, ridge southeast of McGaffee Cow Camp, 8,600', (actually the ridge would be nearer 6,000'), 5/16/36.

\*Nelson and Nelson 3004, ?RM, top of He Devil, 8/10-15/38.  
St. John and Mullen 8552, WS, rockslide on He Devil Mt., 9,000', 7/24/27 (apomictic).

Plus 10 Sight Records by Bingham and Miller, C. Johnson, and Tisdale.

*Erigeron disparipilis* Cronq., no common name known, quite rare.

Scarce, northern Seven Devils, 5,500' ±.

C. Johnson Sight Record, Plot 793, just southwest of Grave Point Lookout, 5,550', 6/29/82.

*Erigeron eatonii* Gray var. *villosus* Cronq., the hairy-bracted variety of Eaton's Daisy.

Uncommon, mainly restricted to the Dry Diggins plateau between Lily Pad Lake and Hibbs Cow Camp, central Seven Devils, 6,000-8,000'.  
Bingham and Miller 419, ID, on weathered Imnaha basalt along trail 112 ca. ½ mi north of Lily Pad Lake, 7,400', 8/10/81.  
Christ 12719, ID, on basalt scab outcrops near the Sheep Cr. swamp, 7/17/41.

Davis 2309, WS, dry, open hillside, Dry Diggins Lookout, 6/26/40.

Henderson 3851, ID, ca. ¼ mi north-northwest of Hibbs Cow Camp near the jct. of trails 112 and 56, 7/7/77.

Kruckeberg 3207, ID, WS, WTU, dry, barren flat along plateau area of Dry Diggins, 8/1/52.

Lewis 2270, BOIS, OGDF, near Steele Stand 72-Pa-25, along the Bear-Cuprum rd. 002, at the Bear-Indian Crs. divide, sec. 21, T. 20 N., R. 3 W., 5,730', 6/12/72.

\*Packard 267, ?WS, open flat on Timbered Bench, 6,000', 6/20/37.

Packard 338, WS, dry soil on open flat near Hibbs Cow Camp, 7,500', 7/28-29/37.

St. John and Mullen 8451, WS, rocky crest, Dry Diggins Area, 8,000', 7/20/27.

Plus 3 Sight Records by Bingham and Miller, Dry Diggins plateau and Horse Heaven Lookout pasture, 7,400-8,000'.

*Erigeron engelmannii* A. Nels., Engelmann's Daisy.

Occasional, at low elevs. in northern and southern Seven Devils, 5,000-6,700'.

Bingham and Miller 505A and Bingham 557, ID and WS, in the ridgetop grassland at Big Canyon Saddle, 5,000', 6/11/82; and on the rocky ridgetop in the grass-forb stand ca. 150' east of Grave Point Lookout, 5,630', 7/21/82; respectively.

Plus 2 Sight Records by Bingham and Miller, Cow Cr. Saddle and Horse Mt. Lookout, 5,250-6,700'.

*Erigeron filifolius* Nutt. var. *filifolius*, Thread-leaf Fleabane.

Scarce, northern Seven Devils, 5,000' ±.

Bingham 297, ID, on the rocky ridgetop in the grass stand at Sawpit Saddle, 5,050', 7/8/81.

?*Erigeron gracilis* Rydb., Slender Fleabane.

Steele Sight Record, Stand 81-Pa-01B, Indian Cr. 6 mi above Cuprum, sec. 31, T. 21 N., R. 2 W., 5,500', 6/24/81 (but outside the east Central Idaho, southwestern Montana, and

- western Wyoming distribution of this species).
- Erigeron lonchophyllus* Hook., Short-rayed Daisy.  
Scarce, central Seven Devils, 8,700' ±.  
Bingham and Miller 86, ID, in a soil pocket atop a house-size boulder in the field of giant boulders immediately north of the summit of He Devil Mt., 8,700', 7/26/79.
- Erigeron peregrinus* (Pursh) Greene ssp. *callianthemus* (Greene) Cronq. var. *eucallianthemus* Cronq., the wide-leaved variety of the glandular-bracted subspecies of the Subalpine Daisy.  
Common, entire Seven Devils, 6,600-8,300'.  
Baker 11308, ID, moist shaded slope, Sheep Rock, Hells Canyon, 9/3/53.  
Bingham and Miller 16, ID, and Bingham 330, ID and WS, ca. 0.1 mi southwest of Heavens Gate Lookout, small meadow in an open subalpine fir-whitebark pine stand, 8,300', 7/21/79; and in the moderately dense Subalpine fir stand on the northwest shore of Black Lake, 7,200', 7/17/81; respectively.  
Brewer 27, IDF, Six Lake Basin, 7,500', 7/20/28.  
\*Christ 12591 and 12714, ?NY, on cliffs in cirque below Seven Devils Lake, 7/13/41; and by marshy edge of pond, Lily Pad Lake, 7/17/41; respectively.  
C. Johnson 8/12/83, BKR 2568, Plot 7025, west of trail 56 ca. ¼ mi south-southeast of Three Cr. Point, *Abies lasiocarpa/Vaccinium scoparium* community, 7,900', 8/12/83.  
Packard 439, WS, moist shaded spot in woods near the swamps, Dry Diggins, 7/28/38.  
St. John and Mullen 8590, WS, wet border of Lily Pad Lake, 8,000' (actually the lake lies at 7,300'), 7/25/27.  
Plus 15 Sight Records by Bingham and Miller.
- Erigeron peregrinus* (Pursh) Greene ssp. *callianthemus* (Greene) Cronq. var. undet.  
13 C. Johnson Sight Records.
- Erigeron pumilus* Nutt. ssp. *intermedius* Cronq. var. *gracilior* Cronq., the low variety of the Rocky Mountain subspecies of the Shaggy Fleabane.  
Uncommon (mostly at lower elevs.), entire Seven Devils and Rapid River, 5,000-7,100'.  
Baker 12161, ID, grassy hillside above Slaughter Gulch, White Bird Ridge off the Little Salmon River, ? elev., 7/27/54.  
Bingham 296, ID, and Bingham and Miller 529 and 609, ID and WS, rocky ridgetop, vicinity of Sawpit Saddle, 5,050', 7/8/81; weedy grassland along the lower Rapid River trail 113 ca. 0.1 mi above the Circle C State Fish Hatchery trailhead gate, 2,250', 7/1/82; and rocky ridgetop ca. 200' southeast of the summit of Kinney Point, south of the Spur road, 7,100', 7/27/83; respectively.  
Plus 3 Sight Records by Bingham and Miller and C. Johnson, Sawpit Saddle, McClinery Ridge and lower Rapid River, 2,250-5,200'.
- Erigeron simplex* Greene, Alpine Daisy.  
Scarce, central Seven Devils, 7,800' ±.  
\*Christ 12663, ?NY, soil pockets on talus slope, Sheep Cr. Lake No. 4 (Sheep Lake), 7/16/41.
- Erigeron speciosus* Lindl. var. *macranthus* (Nutt.) Cronq., the wider- and less-hairy-leaved variety of Showy Fleabane.  
Scarce, northern Seven Devils, 6,700' ±.  
Davis 2276, WS and IDF, moist ravine under Douglas-fir, Grave Point Lookout, 6/24/40.  
C. Johnson Sight Record, Plot 7073, in the aspen grove along the Old Boise Trail 101 ca. 1 mi south of the trail's rd. 1819 trailhead southeast of Cold Springs Lookout, 6,600', 9/1/83.
- Erigeron speciosus* Lindl. var. *speciosus*, the narrower- and more-hairy-leaved variety of Showy Fleabane.  
Occasional, northern and central Seven Devils, 5,000-6,600'.  
Baker 11990, ID, 4 mi west of Riggins, (?elev., prob. along rd. 517 in Papoose Cr.), 7/21/54.

- C. Johnson Sight Records: Plot 7034, along trail 110 just west of the Old Timer Mine and spring, 6,470', 8/13/83; and Plot 7035, ca. ½ mi west of the Old Timer Mine and spring, 6,550', 8/14/83.
- Eriophyllum lanatum* (Pursh) Forbes var. *lanatum*, Woolly Sunflower.  
Uncommon, entire Seven Devils, 5,000-7,600'.
- Baker 12287, ID, open, gravelly mountain slopes west of Seven Devils Camp, 7/31/54.
- Bingham and Miller 255, ID and WS, open trail tread, along trail 124 in the head of Devils Farm Cr., 7,600', 8/28/80.
- \*Christ 11064 and 12704, ?NY, mountainside in Snake River Gorge near Cuprum, 5/30/40; and sliderock on west slopes along Sheep Cr. trail, 7/17/41.
- St. John and Mullen 8465, WS, rocky ridge, Dry Diggins area, 7/20/27.
- Plus 1 Sight Record by Tisdale, Low Saddle, 5,200'.
- Gaillardia aristata* Pursh, Gaillardia.  
Scarce, lower Rapid River only, 2,200' ±.
- Baker 12336, ID, dry, gravelly hillside along the Rapid River 3 mi west of the Little Salmon River (prob. near the present Circle C State Fish Hatchery), 8/5/54.
- Bingham and Miller 527, ID and WS, weedy grassland on a rocky-sandy bench along the lower Rapid River trail 113 ca. 0.1 mi up the trail from the gate trailhead at the upper end of the Circle C State Fish Hatchery, 2,250', 7/1/82.
- Haplopappus carthamoides* (Hook.) Gray var. *cusickii* Gray, the narrow-bracted variety of the Large-flowered Goldenweed.  
Occasional, central and southern Seven Devils, 5,000-8,000'.
- Bingham and Miller 409, ID, open *Abies lasiocarpa*, *Picea engelmannii*, *Pinus albicaulis* forest, on shallow soil over bedrock, summit of trail 112 between the forks of Sheep Cr., 8,000', 8/10/81.
- Cusick 2344, WS, hillsides of the Snake River near Ballard's Landing (from the date prob. along the Kleinschmidt Grade near Cuprum), 9/14/99.
- St. John and Mullen 8437, WS, rocky ridge, Bernard Cr. (near McGaffee Cow Camp), 5,000', 7/19/27.
- Plus 1 Sight Record by Bingham and Miller, Bernard Lakes trail 56 ca. ½ mi southwest of the lakes, 8,000', 8/11/81.
- Haplopappus lanuginosus* Gray var. *lanuginosus*, Woolly Goldenweed.  
Frequent, central and southern Seven Devils, 6,800-8,200'.
- Baker 12280, ID, open, gravelly slopes west of Seven Devils Camp, 7/31/54.
- Bingham 342, and Bingham and Miller 386, ID, open *Abies lasiocarpa*/*Pinus albicaulis* stand near the ridgetop at the summit of trail 218 between Black Lake and Joes Gap (½ mi north-northwest of Pyramid Peak), 8,200', 7/18/81; and open *Abies lasiocarpa*/*Pinus albicaulis* stand on shallow-soiled ridgetop, along the Old Boise Trail 101 just west of Papoose Lake, 8,000', 7/30/81; respectively.
- Christ 12485, ID and WS, open slopes and ridges, Seven Devils Ridge, 7/11/41.
- Q. Jones 199, ID and WS, rocky slopes, vicinity of Heavens Gate Lookout, 7/12/50.
- Ownbey and Meyer 2098, WS, gravelly soil, Heavens Gate, 6/27/40.
- Packard 323, WS, rocky, dry slopes east of "The Swamps," Lily Pad Lake, 8,000', 7/28/37.
- St. John and Mullen 8446 and 8607, WS, rocky crest, Dry Diggins, 7,500', 7/20/27; and rock ledge at the Sheep Cr. Narrows (prob. along trail 110 at The Narrows on the Snake-Salmon Rivers divide at the head of the north fork of Squaw Cr.), 6,800', 7/26/27; respectively.
- Tisdale 7/16/79, IDF 81117, vicinity of Seven Devils Guard Station, 7,700', 7/16/79.
- Plus 6 Sight Records by Bingham and Miller and Tisdale.



*Helianthella uniflora* (Nutt.) Torr. and Gray var. *douglasii* (Torr. and Gray) Weber, the hairy-bracted variety of the Rocky Mountain Helianthella.

Frequent, entire Seven Devils, 5,600-8,200'.

Bingham and Miller 378, ID, and Bingham 534, ID and WS, open, southeast-facing, sedge-grass slope ca. ¼ mi northeast of the Seven Devils Campground along the road to Windy Saddle, 7,600', 7/27/81; and open, southwest-facing, rocky slope ca. 0.9 mi up rd. 1819 from Buckhorn Spring and rd. 420, 6,420', 7/21/82; respectively.

Davis 2247, WS, dry hillside, Grave Point Lookout, 6/24/40.

Lewis 2264, BOIS, OGDF, Steele Stand 72-Pa-24, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, sec. 21, T. 20 N., R. 3 W., 5,790', 6/12/72.

Packard 440, WS, exposed hillside above "The Swamps," Dry Diggins, 7,400', 7/28/38.

St. John and Mullen 8486, WS, gravel ridge, Dry Diggins, 6,500', 7/20/27.

Plus 12 Sight Records by Bingham and Miller, C. Johnson, and Steele.

*Helianthus annuus* L., Common Sunflower.

Scarce, Rapid River only, 2,200' ±.

Baker 12337, ID, dry, open hillside along the Rapid River 3 mi from the Little Salmon River (prob. near the present Circle C State Fish Hatchery), 8/5/54.

*Hieracium albiflorum* Hook., White-flowered Hawkweed.

Common, entire Seven Devils, 5,000-7,800'.

Bingham and Miller 247, ID, half-shade of north-facing slope under lodgepole pine-Engelmann spruce-subalpine fir moderately dense stand ca. ½ mi north of the Ruth Cr. trail along trail 189, 7,000', 8/27/80.

\*Christ 12684, ?NY, timbered slopes along Sheep Cr. trail, 7/17/41.

Davis 2520, WS, moist hillside, Copper Cr., Adams Co. (prob. along rd. 106 between Kinney Point and Sheep Rock), 7/2/40.

St. John and Mullen 8434, WS, woods along Bernard Cr., 5,200' (prob. along trail 110 west of McGaffee Cow Camp), 5,200', 7/19/27.

Plus 33 Sight Records by Bingham and Miller, C. Johnson, and Steele, Kirkwood Cr. to Landore, 5,200-7,800'.

?*Hieracium canadense* Michx., Canadian Hawkweed.

\*Nelson and Nelson 3019, ?RM, Dry Diggins, 8/10-15/38 (but the distribution of this taxon presumably is British Columbia, Washington, and possibly Oregon).

*Hieracium gracile* Hook., Alpine Hawkweed.

Common, central and southern Seven Devils, 5,600-8,500'.

Baker 11303 and 12262, ID, moist shaded slopes of Sheep Rock, 9/3/53; and dry, gravelly, west-facing hillside at Heavens Gate, 7/31/54; respectively.

Bingham 90 and 133, and Bingham 347, ID, open subalpine slope with loose, gravelly-rocky, sometimes slipping soil on the northeast-facing foot of the northwest ridge off He Devil Mt., 8,450', 7/26/79; open sedge-forb-shrub meadow at the foot of a boulderfield in the bottom of Dog Cr. ca. 0.2 mi south of the creek and ½ mi below Dog Lake, 7,600', 7/16/80; and ¾-open base of boulderfield just southwest of the east end of the largest and northeasternmost of the lakes in Six Lake Basin, 7,520', 7/18/81; respectively.

\*Christ 8686 and 12605, ?NY, among grasses on high slopes near Black Lake, 8/8/37; and moist cliffs in cirque below Seven Devils Lake, 7/13/41; respectively.

Christ 12660, ID, andesitic knoll east of Sheep Cr. Lake No. 4 (Sheep Lake), 7/16/41.

C. Johnson 8/14/83 and 8/19/83, BKR 2479 and 2473; Plot 7037, west of the Old Boise Trail 101 ca. 1/3 mi southwest of Papoose Lake, *Pinus albicaulis/Luzula hitchcockii* - *Juncus parviflorus* community, 7,980', 8/14/83; and Plot 7041, east

- of trail 214 ca.  $\frac{1}{4}$  mi north of Purgatory Saddle, *Abies lasiocarpa/Luzula hitchcockii* community, 7,510', 8/19/83.
- Ownbey and Meyer 2074, WS, dry, rocky slope, headwaters of Sheep Cr., 6/26/40.
- St. John and Mullen 8444, WS, gravelly ridgetop, Dry Diggins, 7/20/27.
- Plus 13 Sight Records by Bingham and Miller, and C. Johnson.
- Hieracium scouleri* Hook. var. *albertinum* (Farr.) Deard. (Syn. *H. albertinum* Farr.), Western Hawkweed.
- Common, entire Seven Devils, 5,200-8,200'.
- Baker 12094 and 12289, ID, dry, rocky hillside below Heavens Gate, 7/21/54; and open, gravelly slopes west of Seven Devils Camp, 7/31/54; respectively.
- C. Johnson 8/30/83 and 8/31/83, BKR 2583 and 2418; Plot 7060, above trail 218 just east of Joes Gap, 7,830', 8/30/83; and Plot 7066, above rd. 112 ca.  $\frac{1}{3}$  mi northeast of Rock Cr., 7,010', 8/31/83; respectively.
- LaZelle 12, ID, gravelly, south-facing slope in forested area  $\frac{1}{4}$  mi north of the Seven Devils Adm. Site (Guard Station), 7,500', 8/29/63.
- \*Nelson and Nelson 3024, RM, near rockslide, Dry Diggins trail, 8/10-15/38.
- St. John and Mullen 8606, WS, rocky ledge above Sheep Cr., 7,000' (prob. near the Snake-Salmon Rivers divide along the trail 110 in the head of Old Timer Cr.), 7/26/27.
- Plus 30 Sight Records by C. Johnson, Steele, and Tisdale.
- Hieracium scouleri* Hook. var. *cynoglossoides* (Arv.-Touv.) Deard. (Syn. *Hieracium cynoglossoides* Arv.-Touv.), Hounds Tongue Hawkweed.
- Common, entire Seven Devils, 5,100-7,800'.
- Bingham and Miller 202, ID and WS, and 596, ID, along the Old Boise Trail 101 ca.  $\frac{1}{4}$  mi east of Horse Heaven Saddle, 7,200', 8/24/80; and along rd. 517 ca. 1 mile above its 2d crossing of Papoose Cr. in sec. 26, 5,150', 8/17/82; respectively.
- \*Christ 8696, ?NY, under cliffs on high, grassy slopes near Black Lake, 8/8/37.
- Plus 20 Sight Records by Bingham and Miller (some of these undoubtedly being what others are calling *H. albertinum*), Cold Springs Lookout site to Black Lake, 6,400-7,900'.
- ?*Hieracium scouleri* Hook. var. *nudicaule* (Gray) Cronq., the subscapose variety of Woolly-weed (supposedly a California-Oregon taxon).
- Baker 12298, ID, north slope of Kinney Point, 9/3/53.
- Hulsea algida* Gray, Alpine Hulsea.
- Scarce, central Seven Devils, 7,500'  $\pm$ .
- Kruckeberg 3196, WS, WTU, loose scree above Sheep Lake No. 2 (Shelf Lake), 7,500', 7/31/52.
- Bingham Sight Record, along the Goat Pass manway ca.  $\frac{1}{4}$  mi east of Sheep Lake, 8,100', 7/25/85.
- Hulsea nana* Gray, Dwarf Hulsea.
- Scarce, central Seven Devils, 7,800-8,500'.
- \*Christ 12567, on talus slopes, Sheep Cr. Lake No. 4 (Sheep Lake), 7/16/41.
- St. John and Mullen 8574, WS, rockslide on exposed slopes, He Devil Mt., 8,500', 7/24/37.
- Lactuca serriola* L., Prickly Lettuce (European weed).
- Uncommon (mostly at lower elevs.), entire Seven Devils and Rapid River, 5,000-6,600'.
- Bingham and Miller 585, ID, open roadside along rd. 517 ca.  $\frac{1}{4}$  mi above its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.
- Plus 5 Sight Records by Bingham and Miller, Steele, and Tisdale, lower Rapid River and west fork Rapid River, north-east of Baldy Lake, vicinity of Low Saddle, and Bear-Indian Crs. divide, 5,200-6,600'.
- Machaeranthera canescens* (Pursh) Gray, Hoary Aster.
- Scarce, southern Seven Devils, 5,600'  $\pm$ .

- Steele Sight Record, Stand 81-Pa-01B, along the Indian Cr. rd. 105 ca. 6 mi north of Cuprum, 5,550', 6/24/81.
- Madia glomerata* Hook., Mountain Tarweed.  
Occasional, entire Seven Devils, 5,200-7,300'.  
Baker 12069, ID, waste ground, rocky point above Seven Devils Guard Station, 7/21/54.  
Bingham 538 and Bingham and Miller 607, ID and WS, roadside along rd. 420 ca. 0.3 mi south of Cow Cr. Saddle, 5,240', 7/21/82; and steep, southeast-facing roadcut along rd. 108 ca. ½ mi south of Lockwood Saddle, 6,600', 7/27/83; respectively.
- Madia gracilis* (J. E. Smith) Keck, Common Tarweed.  
Uncommon, northern and north-central Seven Devils, 5,000-6,600'.  
Bingham 274 and Bingham and Miller 580, ID and WS, viewpoint vicinity, Sawpit Saddle, open *Festuca idahoensis*/*Koeleria cristata* h.t., 5,050', 7/8/81; and open, gravelly roadbed of rd. 517 ca. ¼ mi above its 2d crossing of Pappoose Cr. in sec. 26, 4,600', 8/17/82; respectively.  
St. John and Mullen 8430, WS, gravel ridge, McGaffee Cow Camp, 5,400', 7/19/27.  
 Plus 2 Sight Records by C. Johnson, vicinities of McGaffee Cow Camp and Old Timer Mine, 5,900-6,550'.
- Matricaria matricarioides* (Less.) Porter, Pineapple Weed.  
Occasional (mostly lower elevs.), central Seven Devils and Rapid River, 5,000-8,000'.  
Bingham and Miller 571, ID and WS, in the roadbed of rd. 517 at the Seven Devils Guard Station pasture cattle guard at the viewpoint ca. ½ mi east of the Guard Station, 7,400', 8/17/82.  
Bingham and Miller Sight Records: along the Old Boise Trail 101 ca. 1½ mi north of the Heavens Gate Lookout parking area, 8,000', 7/30/81; and at the lower Rapid River trail 113 trailhead gate at the southwest end of the Circle C State Fish Hatchery, 2,200', 6/8/82.
- Microseris nutans* (Geyer) Schulz-Bip., Nodding Microseris.  
Common, entire Seven Devils, 5,000-8,200'.  
Bingham and Miller 151 and 210, ID, and Bingham 278, 343A and 343B, ID, sedge-forb meadow in forest opening on gentle southeast-facing slope, 0.1 mi northeast of the jct. of Hanson Cr. and the Old Boise Trail 101, 6,800', 7/17/80; immediately southwest of the Horse Heaven Lookout cabin in a sedge-forb meadow on an open, rocky ridgetop, 8,200', 8/25/80; open grass-forb stand on a southwest-facing rocky hillside ca. 0.3 mi northward along rd. 2060 from Meyer Cr., 5,720', 7/8/81; and (343A and 343B) south-facing hillside with rock outcrops and an open grass-sedge stand at the summit of trail 218 between Black Lake and Joes Gap northwest of Pyramid Peak, 8,200', 7/18/81; respectively.  
Brewer 98, Council R.D., head of Summit Cr., sec. 22, T. 20 N., R. 3 W., 5,000', 6/12/30.  
Christ 12499, ID, grassy slopes near Seven Devils Camp, 7/12/41.  
Davis 2358, IDF and WS, dry hillside, Heavens Gate, 6/28/40.  
C. Johnson 7/1/83 and 8/11/83, BKR 2534 and 2592, Plot 999, 75' northwest of rd. 1819 southwest of Cold Springs Cow Camp, 6,700', 7/1/83; and Plot 7024, west of trail 112 ca. ½ mi south of Hibbs Cow Camp, *Populus tremuloides*/*Carex geyeri* community, 7,080', 8/11/83, respectively.  
Q. Jones 196, ID and WS, soil patches on rocky hillside, Heavens Gate, 7/12/50.  
Lewis 2266, BOIS, OGDF, near Steele Stand 72-Pa-24, along the Bear-Cuprum rd. 002 above Huntley Gulch, sec. 21, T. 20 N., R. 3 W., 5,790', 6/12/72.  
Packard 315, WS, dry, open flat near Hibbs Cow Camp, 6/28/37.  
 Plus 20 Sight Records by Bingham and Miller, C. Johnson, Tisdale, and Steele.
- Rudbeckia occidentalis* Nutt. var. *occidentalis*, Western Cone Flower.  
Frequent, entire Seven Devils, 5,000-7,300'.

- Baker 11322, ID, moist ground about spring, 6 mi north of Cuprum (prob. along rd. 106), 9/3/53.
- Bingham and Miller 594, ID and WS, northeast-facing, open road-bank fill along rd. 517 ca. 0.4 mi below its lower crossing of the south Fk. of Papoose Cr. along McClinery Ridge, 6,000', 8/17/82.
- Brewer 79, Council R.D., Smith Mt., sec. 25 (?28), T. 21 N., R. 2 W., 7,800', 8/29/29.
- Plus 16 Sight Records by Bingham and Miller and C. Johnson, Sawpit Saddle south to Rankin Mill, 5,000-7,300'.
- Saussurea americana* Eat., American Sawwort.
- Uncommon, central and southern Seven Devils, 7,000-7,900'.
- Bingham and Miller 238, ID and WS, boggy streambank area 1/3 shaded under *Abies lasiocarpa* forest, ca. 0.1 mi east of Ruth along the south side of the Ruth Lake trail, 7,200', 8/27/80.
- C. Johnson 8/30/83, BKR 2465, Plot 7065, in cirque meadow ca. ¼ mi west of Black Lake along trail 214 at the south end of the 1st switchback above the lake, *Polygonum phytolaccaefolium*-*Lupinus caudatus* community, 7,460', 8/30/83.
- Taylor 1829, WWB, rocky slope near snowfield above Sheep Lake (7,875' +), 9/17/67.
- Plus 4 Sight Records by Bingham and Miller; shores of Lower Cannon Lake, 2/3 mi below Dog Lake, ½ mi up the Hanson Lakes manway, along trail 112 northwest of the Windy Saddle trailhead, 7,000-7,200'.
- Senecio canus* Hook., Woolly Groundsel.
- Occasional, central and southern Seven Devils, 7,100-7,600'.
- Baker 12055, ID, open alpine slopes, Seven Devils Camp, 7/21/54.
- Bingham and Miller 610, ID and WS, open, rocky ridgetop with an open sagebrush-grass-forb stand in an *Abies lasiocarpa*-*Pinus albicaulis* forest ca. 250' southeast of the summit of Kinney Point, 7,100', 7/27/83.
- \*Christ 12512, ?NY, open, grassy mountainside 1 mi east of Seven Devils Camp, 7/12/41.
- Senecio crassulus* Gray, Thick-leaved Groundsel.
- Abundant, entire Seven Devils, 6,200-8,200'.
- Baker 12033, ID, open alpine slopes, Seven Devils Camp, 7/21/54.
- Bingham and Miller 132, ID, and 214, ID and WS, northeast-facing, open, rocky slope in an *Abies lasiocarpa*, *Picea engelmannii*, *Pinus albicaulis* open stand, along the south side of the bottom of Dog Cr. ca. ¼ mi below Dog Lake, 7,600', 7/16/80; and flat, open, subalpine ridgetop in large sedge-forb meadow, immediate vicinity of Horse Heaven Lookout cabin, 8,200', 8/25/80; respectively.
- \*Christ 8695, ?NY, slopes above Black Lake, 8/8/37.
- Christ 12565, ID and WS, timbered west slope of Heavens Gate, 7/12/41.
- Cusick 2345, ?Herb., Seven Devils Mts., 8/14/99 (from the numbering of this collection, and the next (2346, *Phacelia procera* Gray) it prob. was collected along the Kleinschmidt Grade, Cuprum to Peacock Mines, with the date being Sept. 14 instead of Aug. 14. The 8/14/99 collection date came from page 286, Hitchcock and others, Part 5, 1955; it's a month too early according to Cusick's 4 other collections from what appears to be the same trip).
- Davis 2323, IDF and WS, Bernard Lakes, 6/26/40.
- C. Johnson 8/12/83, BKR 2566, Plot 7026, *Abies lasiocarpa*/*Vaccinium scoparium* community, east of the trail 56 switchbacks ca. ¼ mi south of its jct. with trail 57 ¼ mi west of Bernard Lakes, 7,740', 8/12/83.
- Kruckeberg 3183, WS, WTU, dry, rocky, south-facing slopes at the end of the Seven Devils Road (rd. 517 at Windy Saddle), 7,500', 7/30/52.
- LaZelle 6, ID, along rd. in Seven Devils Campground, 7,500', 8/29/63.

- \*Nelson and Nelson 2984, ?RM, Horse Heaven, 8/10-15/38.  
Packard 441, WS, trail to "The Swamps" from Hibbs Cow Camp,  
 7,600', 7/28/38.
- St. John and Mullen 8456, WS, Dry Diggins Area, 7,300',  
 7/20/27.
- Plus 33 Sight Records by Bingham and Miller and C. Johnson.  
*Senecio cymbalarioides* Buek, Alpine Meadow Butterweed.
- Scarce, central Seven Devils, 7,300' ±.
- \*Christ 12730, ?NY, in marsh, Sheep Cr. Swamp, 7/17/41.  
*Senecio foetidus* Howell var. *hydrophiloides* (Rydb.) T. M. Barkley, the  
 radiate-headed, open-inflorescenced variety of Sweet Marsh  
 Butterweed.
- Occasional, northern Seven Devils and Rapid River, 5,000' ±.
- Bingham and Miller 492, ID and WS, northwest-facing, half-shaded,  
 moderately moist open *Pseudotsuga menziesii*, *Pinus*  
*ponderosa*, *Betula*, *Acer* forest, Douglas-fir/Ninebark h.t.,  
 ca. 3/4 mi up the lower Rapid River trail 113 from Blue  
 Gulch, 2,560', 6/8/82.
- Plus 2 Bingham and Miller Sight Records: along the west Fk.  
 Rapid River trail 113 ca. 0.1 mi east of Bridge Cr., 3,700',  
 6/8/82; and along the stock-drive part of trail 104 ca. 1/2  
 mi east of Big Canyon Saddle, 4,900', 6/11/82.
- Senecio fremontii* Torr. and Gray var. *fremontii*, Dwarf Mountain  
 Butterweed.
- Uncommon, central and southern Seven Devils, 8,400-9,000'.
- Bingham and Miller 9 and 88, ID, and 362, ID and WS, open bedrock  
 bench immediately west of Heavens Gate Lookout tower,  
 8,430', 7/21/79; foot of northeast-facing, loose gravelly  
 rocky ridge, the northwest ridge off He Devil Mt., ca. 1/2  
 mi northwest of the summit, 8,450', 7/26/79; and east-facing,  
 1/3-shaded, moderately dry soil pockets trapped in bedrock,  
 east shore above Mirror Lake, 8,050', 7/26/81; respectively.
- \*Christ 8667 and 12541, ?NY, grassland in glacial cirque,  
 Pyramid Peak, 8/8/37; and ledges on peak, Heavens Gate,  
 7/12/41; respectively
- St. John and Mullen 8568, WS, among loose rockslides in the  
 alpine region of He Devil Mt., 9,000', 7/24/27.
- Senecio integerrimus* Nutt. var. *exaltatus* (Nutt.) Cronq., the broad-  
 bracted and yellow-rayed variety of Western Groundsel.
- Frequent, northern and central Seven Devils, 5,100-8,100'.
- Bingham 458, ID and WS, west-facing, open, rocky slope in an open  
 grass-forb-rigid sage stand, immediately south of rd. 420 at  
 Cow Cr. Saddle, 5,250', 5/25/82.
- \*Christ 12517 and 12717, ?NY, open, grassy mountainside 1 mi east  
 of Seven Devils Camp, 7/12/41; and in marsh, Sheep Cr. Swamp,  
 7/17/41; respectively.
- Q. Jones 223, WS, rocky slopes in eroded areas, Heavens Gate,  
 7/13/50.
- Packard 287, WS, rather moist slope above the head of the north  
 Fk. of Little Granite Cr., 7,400', 6/26/37.
- Plus 11 Sight Records by Bingham and Miller and C. Johnson,  
 Camp Howard Triangulation Station south to Stevens Saddle,  
 5,100-8,100'.
- Senecio pseud aureus* Rydb. var. *pseud aureus*, Streambank Butterweed.
- Scarce, central Seven Devils, 5,400-7,300'.
- \*Nelson and Nelson 2976, ?RM, Dry Diggins Camp, 8/10-15/38.  
St. John and Mullen 8354, WS, thicket, McGaffee Cow Camp,  
 5,400', 7/17/27.
- Senecio streptanthifolius* Greene, Rocky Mountain Butterweed.
- Common, entire Seven Devils, 6,600-7,900'.
- Baker 12066, ID, dry, rocky banks above Seven Devils Guard  
 Station, 7/21/54.
- Bingham and Miller 139, ID, east-facing, open, rocky slope along  
 the edge of a boulderfield in an open *Abies lasiocarpa*,  
*Picea engelmannii*, *Pinus albicaulis* stand, along the south  
 side of the bottom of Dog Cr. ca. 3/5 mi below Dog Lake,  
 7,500', 7/16/80.

- \*Christ 12511 and 12634, ?NY, open, grassy mountainside 1 mi east of Seven Devils Camp, 7/12/41; and timbered hillside, trail to Baldy Lake, 7/15/41; respectively.
- Christ 12520, ID and WS, open, grassy east slopes, Heavens Gate, 7/12/41.
- C. Johnson 8/9/83 and 8/11/83, BKR 2498 and 2495, *Pseudotsuga menziesii*-*Abies lasiocarpa*/*Calamagrostis rubescens*-*Lupinus caudatus* community, Plot 7005, west of the Old Boise Trail 101 ca. 0.1 mi south of Dog Cr., 6,950', 8/9/83; and Plot 7024, *Populus tremulooides*/*Carex geyeri* community, west of trail 112 ca. ½ mi south of Hibbs Cow Camp, 7,060', 8/11/83; respectively.
- Kruckeberg 3208, WS, and WTU, on steep talus and grass slopes just east of the Dry Diggins plateau 6 mi west of Windy Saddle, 8/1/52.
- St. John and Mullen 8485, WS, rocky ridge, Dry Diggins, 7,000', 7/20/27.
- Tisdale 7/16/79, IDF 80177, subalpine grassland, Seven Devils Guard Station pasture, 7,500', 7/16/79.
- Plus 24 Sight Records by Bingham and Miller and C. Johnson.  
*Senecio triangularis* Hook. var. *triangularis*, Arrow-leaved Groundsel. Abundant, entire Seven Devils, 5,700-8,000'.
- Baird 8/20/71, Council R.D., Bear Cr., 5,000', 8/20/71.
- Baker 11321 and 12254, ID, moist ground about spring in open woods 6 mi north of Cuprum (prob. along rd. 106), 9/3/53; and moist woods along Shingle Cr. (prob. along rd. 517), 7/31/54; respectively.
- Bingham and Miller 225, ID and WS, west-facing, open talus slope beneath rimrock along the west side of the Horse Heaven Lookout pasture ca. ¼ mi southwest of the Lookout cabin, 8,000', 8/25/80.
- \*Christ 12424, ?NY, in marsh, Sheep Cr. Swamp, 7/17/41.
- LaZelle 7, ID, shores of Seven Devils Lake, 8/29/63.
- Packard 442, WS, mountain meadow near Lily Pad Lake, 7,500', 7/28/38.
- St. John and Mullen 8537, WS, open ridge, McGaffee Cow Camp, 5,400', 7/23/27 (date is out of the numbering sequence and habitat seems to be unusual; a holdover, or locality mix up?).
- Plus 33 Sight Records by Bingham and Miller and C. Johnson.  
*Solidago canadensis* L. var. *salebrosa* (Piper) Jones, the imbricate-involucered and less hairy variety of Canadian Goldenrod. Uncommon, central and southern Seven Devils, 5,100-8,500'.
- Baker 11314, ID, grassy, open meadow, Kinney Point, 9/3/53.
- Bingham and Miller 257, ID and WS, southwest-facing, open forest glade with a sedge-forb stand and patches of *Populus tremulooides*, along trail 124 ca. ¼ mi south of Fall Cr. and just west of Potato Hill, 7,500', 8/28/80.
- Brewer 114, Council R.D., Jackley Guard Camp (or Station, apparently north of but near the Lookout), sec. 12, T. 21 (?22) N., R. 3 (?2) W., 7,000', 8/17/30.
- McDowell 2, Council R.D., Placer Cr. (Fk. of Indian Cr.), 5,500', Sept., 1926.
- Plus 4 Sight Records by Bingham and Miller, just northwest of Echo Lake; in Horse Heaven Cr. 0.1 mi north of the Old Boise Trail 101; along rd. 517 1 mi above its 2d crossing of Papoose Cr. in sec. 26; and along the Old Boise Trail 101 ca. 1/3 mi southwest of Dog Cr., 5,150-7,200'.
- Solidago missouriensis* Nutt. var. *missouriensis*, Missouri Goldenrod. Uncommon, northern and central Seven Devils, 5,200-6,900'.
- C. Johnson 8/13/83 and 8/13/83, BKR 2474 and 2486, Plot 7034, along trail 110 just west of the Ralph Barton cabin at Old Timer Spring and Mine, 6,470', 8/13/83; and at the Old Timer Spring, 6,930', 8/13/83; respectively.
- C. Johnson Sight Records: Plot 719, 2/3 mi northwest of Motthorn Saddle, 5,180', 5/25/82; Plot 786, ½ mi down Caribou Cr. from rd. 2060, 5,260', 6/27/82; and Plot 7035, ca. ¼ mi west of the Old Timer mine and cabin, 6,550', 8/14/83.

St. John and Mullen 8432, WS, rocky crest, Bernard Cr.,  
5,600', 7/19/27.

*Taraxacum officinale* Weber, Common Dandelion (European introduction).

Common, entire Seven Devils and Rapid River, 5,000-8,300'.

Bingham 560, ID and WS, ridgetop roadbed ca. 100' north of the  
Grave Point Lookout tower, 5,630', 7/21/82.

Plus 33 Sight Records by Bingham and Miller and C. Johnson,  
Big Canyon Saddle to Lockwood Saddle, 5,000-8,300'.

*Tragopogon dubius* Scop., Yellow Salsify (European introduction).

Frequent, entire Seven Devils and Rapid River, 5,000-7,600'.

Bingham and Miller Sight Records: vicinities of Cow Cr.

Saddle, 5,050'; Big Canyon Saddle, 5,050'; Dry Diggins  
Ridge trail just north of the drop-off 2½ mi north of the  
Iron Phone, 7,300'; just west of the Old Boise Trail in  
Hanson Cr., 6,800'; Horse Heaven Lake, 7,600'; Circle C  
State Fish Hatchery, 2,200'; along rd. 517 2/3 mi above  
its 2d crossing of Papoose Cr. in sec. 26, 5,000'; along  
the Old Boise Trail ca. ½ mi southwest of Horse Heaven Cr.,  
7,100'; Grave Point Lookout, 5,630'; along trail 112 just  
northwest of Windy Saddle, 7,500'; along trail 124 ca. ½ mi  
northwest of the south fork of Little Granite Cr., 6,650';  
and along trail 113 in the west fork of the Rapid River  
just west of the main forks in sec. 26, 2,700'.

C. Johnson Sight Records: Plot 786, below rd. 2060 just north of  
Caribou Cr., 5,260'; and Plot 793, just southwest of Grave  
Point Lookout, 5,550'.

Steele Sight Record, Stand 72-Pa-25, at the Bear-Indian  
Crs. divide along rd. 002, 5,130'.

*Tragopogon pratensis* L., Meadow Salsify (European introduction).

Scarce, central Seven Devils, 5,000' ±.

\*Packard 264, ?WS, open flat on Timbered Bench, ? elev.,  
6/20/37.

*Wyethia helianthoides* Nutt., White-rayed Wyethia.

Scarce, southern Seven Devils, 5,800' ±.

Bingham and Miller 517, ID, south-facing, 1/5-shaded, gentle  
slope with a grass-forb-sedge meadow in an opening in a  
*Pinus ponderosa*, *Pseudotsuga menziesii*, *Abies grandis*,  
*Larix occidentalis* stand along rd. 112 ca. 1½ mi south of  
Placer Basin, 5,850', 6/30/82.

## Berberidaceae

*Berberis repens* Lindl., Creeping Oregon Grape.

Frequent, central and southern Seven Devils and Rapid River, 5,000-  
7,300'.

Bingham and Miller 182, ID, open Douglas-fir stand on east-facing  
slope along the Old Boise Trail ca. 1/2-3/4 mi north of  
Hanson Cr., 6,800', 7/18/80.

Plus 19 Sight Records by Bingham and Miller and C. Johnson,  
Cold Springs Lookout site to Lockwood Saddle,  
5,800-7,200'.

## Betulaceae

*Alnus sinuata* (Regel) Rydb., Wavy-leaved Alder.

Common, entire Seven Devils and west Fk. Rapid River, 5,000-7,200'.

Baker 11318, ID, moist ground about spring, 6 mi north of Cuprum  
(prob. on rd. 106), 9/3/53.

Bingham and Miller 370, ID, north shore of Lower Cannon Lake,  
7,000', 7/27/81.

Brewer 77, Council R.D., Lost Basin, sec. 26 (?22), T. 21 N.,  
R. 2 W. (directly northeast of Smith Mt.), 7,800', 8/16/29.

\*Christ 12691, ?NY, springy mountainside along the Sheep Cr.  
trail, 7/17/41.

Moore 86, WS, Bernard Cr. trail (no. 110), McGaffee Cow Camp,  
8,600' (actually the Camp is at 5,700'), 5/16/36.

Plus 19 Sight Records by Bingham and Miller and C. Johnson,  
Meyer Cr. to old Landore.

*Betula occidentalis* Hook. var. *occidentalis*, Water Birch.

Scarce, Rapid River only, 2,200-2,800'.

Bingham and Miller Sight Records, bottom of the lower Rapid River just above the Circle C State Fish Hatchery, 2,250', 6/8/82; and just west of the main forks of the Rapid River along trail 113, 2,800', 6/9/82.

## Boraginaceae

*Amsinckia retrorsa* Suksd., Tarweed or Rigid Fiddleneck.

Occasional, lower northern Seven Devils and Rapid River, 5,000' ±.

Bingham 295, ID, in *Agropyron spicatum/Festuca idahoensis* stand at Sawpit Saddle, 5,050', 7/8/81.

Plus 2 Rapid River Sight Records by Bingham and Miller.

*Asperugo procumbens* L., Madwort (Eurasian introduction).

Scarce, lower Rapid River, 2,200' ±.

Bingham and Miller 500, moist, partly shaded trailside at the Circle C State Fish Hatchery trail 113 trailhead gate, 2,200', 6/10/82.

*Cryptantha affinis* (Gray) Greene, White Forget-me-not.

Uncommon, entire Seven Devils, 5,000-7,800'.

Baker 12067, ID, dry, rocky banks above Seven Devils Guard Station, 7/21/54.

Davis 2356, WS, Heavens Gate, 6/25-28/40.

Plus 6 Sight Records by Bingham and Miller and Steele, Cold Springs Lookout to Bear-Indian Cr. divide along rd. 002, 5,100-7,800'.

*Cryptantha torreyana* (Gray) Greene, Torrey's White Forget-me-not.

Occasional (mostly at lower elevs.), northern and central Seven Devils and Rapid River, 5,000-5,200'.

Bingham and Miller 488 and 588, ID and WS, south-facing, open, rocky slope in an *Agropyron spicatum/Celtis reticulata* h.t. ca. 1½ mi up the lower Rapid River trail from the trailhead gate at the Circle C State Fish Hatchery, 2,400', 6/8/82; and east-facing, open, clearcut *Pseudotsuga menziesii*, *Pinus ponderosa*, *Abies grandis* forest along rd. 517 on lower McClinery Ridge ca. ½ mi above the roads 2d crossing of Papoose Cr. in sec. 26, 4,900', 8/17/82; respectively.

Tisdale Sight Record, Plots 73 and 74, vicinity of Low Saddle, 5,200', 7/13/78.

*Cynoglossum officinale* L., Common Hounds-tongue (European introduction).

Uncommon, entire Seven Devils and Rapid River, 5,000-7,800'.

Bingham and Miller 556, ID and WS, open, rocky, ridgetop roadside ca. 100' north of the Grave Point Lookout tower, 5,360', 7/21/82.

Plus 5 Sight Records by Bingham and Miller: Big Canyon Saddle to Black Lake, 5,000-7,800'.

*Hackelia cinerea* (Piper) Johnst., Gray Stickseed.

Scarce, Rapid River only, 2,300' ±.

Bingham and Miller 481, ID and WS, open, south-facing, rocky slope in an *Agropyron spicatum/Celtis reticulata* h.t. ca. ½ mi up the lower Rapid River trail 113 from the trailhead gate at the upper end of the Circle C State Fish Hatchery, 2,280', 6/8/82.

*Hackelia floribunda* (Lehm.) Johnst., Many-flowered Stickseed.

Occasional, central and southern Seven Devils, 7,600' ±.

Baird 6/12/72, Council R.D., along Indian Cr. 2 mi above Cuprum, 5,000', 6/12/72.

Baker 12011, ID, open alpine slopes, Seven Devils Camp, 7/21/54.

Christ 12506, ID and WS, edge of conifers, Seven Devils camp, 7/12/41.

*Hackelia hispida* (Gray) Johnst., Rough Stickseed, quite rare.

Occasional, central Seven Devils, 7,200-7,500'.

Bingham and Miller 416, ID and WS, in small, loose, talus rock on a south-facing slope ca. ½ mi east of the jct. of trails 112 and 140, 7,200', 8/10/81; and Sight Record, along Dry



- Diggins Ridge trail 140 ca. 3/4 mi north of its jct. with trail 112 at the Iron Phone, 7,300', 8/12/81.  
Christ 12674, ID, NY, slide rock along the Sheep Cr. trail, 7/17/41.
- Davis 2331, IDS, NY, WS, sliderock and dry hillside along Sheep Cr. trail, 6/26/40.
- Kruckeberg 3200, ID, IDS, NY, OSC, WS, WTU, on steep, sterile, metamorphic talus of west-facing slopes bordering main Sheep Cr. drainage 4½ mi from the Seven Devils rd. (rd. 517 at Windy Saddle), 7,500', 8/1/52.
- Hackelia micrantha* (Eastw.) J. L. Gentry, Tall Blue Forget-me-not.  
Common, entire Seven Devils, 5,300-8,400'.
- Bingham and Miller 24, ID, and 107 and 504, ID and WS, open and exposed east-facing slope in loose rock of bedrock ridge ca. 0.2 mi south-southwest of Heavens Gate Lookout, 8,350', 7/21/79; open, south-facing bottom of Bridge Cr. ca. 0.1 mi north of Seven Devils Guard Station, 7,250', 7/14/80; and grassy, open forest slope near ridgetop (Snake-Salmon Rivers divide) along rd. 672 ca. ½ mi south of Mud Springs Ridge, 5,300', 6/10/82; respectively.
- Davis 2388, IDF and WS, dry hillside, Heavens Gate, 6/28/40.  
Gentry and Davidse 1726, ID, 15 mi west of Riggins along a rd. (517) starting 0.5 mi south of Riggins, 7,100', 7/19/67.
- Q. Jones 203, ID and WS, edge of timber on grassy slopes, vicinity of Heavens Gate Lookout, 7/12/50.
- Packard 311 and 457, WS, dry, open flat near Hibbs Cow Camp, 8,000', 6/28/37; and moist rockslide on Brundage Trail between the forks of Sheep Cr. ½ mi way up from the west fork, 7,000', 7/28/38; respectively.
- St. John and Mullen 8473, WS, grass ridge, Dry Diggins, 6,500', 7/20/27.
- Plus 23 Sight Records by Bingham and Miller, and C. Johnson.
- Lithospermum arvense* L., Corn Gromwell (introduced Eurasian weed).  
Scarce, southern Seven Devils, 5,000' ±.  
Christ 11071, ID and WS, mountainside in Snake River Gorge near Cuprum, 5/30/40.
- Lithospermum ruderae* Dougl., Western Stoneweed.  
Frequent, northern and central Seven Devils and Rapid River, 5,000-6,600'.
- 13 Sight Records by Bingham and Miller, C. Johnson, and Tisdale: Big Canyon Saddle to vicinity McGaffee Cow Camp and lower and west fork Rapid River, 5,000-6,600'.
- Mertensia longiflora* Greene, Long-flowered Bluebells.  
Occasional, northern and north-central Seven Devils, 5,200-5,900'.
- Bingham 465, ID, open grass-forb-rigid sage stand on basalt rock ridgetop immediately north of rd. 420 at Cow Cr. Saddle, 5,250', 5/25/82.
- Meyer 856, WS, talus slopes above Bernard Cr. 3 mi from Snake River, ? elev., 5/13/37.
- Packard 587, WS, moist north slope under open pine stand, near Stormy Point, Low Saddle, 5/13/39.
- Mertensia oblongifolia* (Nutt.) G. Don, Leafy Bluebells.  
Occasional, northern and north-central Seven Devils, 5,200-5,700'.
- Bingham and Miller Sight Records: along trail 104 ca. 1 mi south of Camp Howard Triangulation Station, 5,400', 6/11/82; and along rd. 672 just north of Cow Cr. Saddle, 5,250', 6/10/82.
- C. Johnson Sight Record, Plot 719, below trail 104 ca. 2/3 mi northwest of Motthorn Saddle, 5,180', 5/25/82.
- Moore 88, WS, ca. ½ mi down the Bernard Cr. trail 110 from McGaffee Cow Camp, 7,500' (actually nearer 5,600' since the Camp is at 5,700'), 5/16/36.
- Mertensia paniculata* (Ait.) G. Don var. *borealis* (Macbr.) Williams, the glabrous-leaved variety of Tall Bluebells.  
Common, entire Seven Devils and west fork Rapid River, 5,000-8,400'.
- Baird 6/12/72, Council R.D., along Indian Cr., 2 mi above Cuprum, 5,000', 6/12/72.

Baker 12062, ID, wet ground around spring, Seven Devils Guard Station, 7/21/54.

Bingham and Miller 11, ID, and 222, ID and WS, along the rocky crest of the Snake-Salmon Rivers divide ca. 0.2 mi southwest of Heavens Gate Lookout, 8,350', 7/21/79; and beside snowbanks in the moist talus slopes below the rimrock at the upper west edge of the Horse Heaven Lookout pasture ca. ¼ mi southwest of the Lookout cabin, 8,000', 8/25/80; respectively.

\*Christ 8627, ?NY, springy places on mountainside, Black Lake, 8/8/37.

Christ 12480 and 12539, ID, in *Pinus albicaulis* groves, Seven Devils Ridge, 7/11/41; and fissures in cliffs on peak, Heavens Gate, 7/12/41; respectively.

Davis 6/28/40, IDF 83037, creek bank, Heavens Gate, 6/28/40.

\*Packard 295, ?WS, bank of the north fork of Little Granite Cr., 7,600', 6/26/37.

\*St. John and Mullen 8455, ?WS, grassy meadow by creek, Dry Diggins, 7,300', 7/20/27.

Plus 31 Sight Records by Bingham and Miller, and C. Johnson, including west fork Rapid River.

*Myosotis discolor* Pers., Yellow and Blue Forget-me-not.

Occasional (mostly at lower elevs.), northern Seven Devils and Rapid River, 5,000-5,400'.

Bingham 300, ID, weedy-grassy, sheep-driveway under open *Pinus ponderosa*, *Pseudotsuga menziesii* stand at Low Saddle, 5,400', 7/8/81.

Bingham and Miller Sight Records: in the *Agropyron spicatum*-*Festuca idahoensis* grassland just north of Big Canyon Saddle along trail 104, 5,000', 6/11/82; and along the west fork Rapid River trail 113 in the McCrea Place pasture, 4,000', 6/9/82.

Tisdale Sight Record, vicinity of Low Saddle, 5,200', 7/13/78.

*Plagiobothrys scouleri* (Hook. and Arnott) Johnst. var. *penicillatus* (Greene) Cronq., the interior variety of the Douglas Popcorn-flower.

Scarce, southern Seven Devils, 5,300' ±.

Bingham and Miller 521, ID and WS, south-facing, open, rocky road-bed in a sedge-forb meadow, in the road on the east side of Indian Cr. north leading from the bridge where rd. 105 crosses Indian Cr. at old Landore, 5,330', 6/30/82.

## Brassicaceae

*Alyssum alyssoides* L., Pale Alyssum (European introduction).

Uncommon, lower northern Seven Devils, 5,000-6,000' and Rapid River.

\*Baker 11993, ?ID, open woods 4 mi west of Riggins (along rd. 517 prob. in Papoose Cr.), ? elev., 7/21/54.

Bingham 276, ID, and Bingham and Miller 522, ID and WS, open *Agropyron spicatum*/*Festuca idahoensis* site at Sawpit Saddle, 5,050', 7/8/81; and along trail 113 ca. 0.1 mi up the trail from the Circle C State Fish Hatchery trailhead gate, 2,250', 7/1/82; respectively.

Davis 2275, WS, moist ravine, Grave Point Lookout, 6/24/40.

Plus 2 Sight Records by C. Johnson.

*Alyssum desertorium* Stapf, Desert Alyssum (Old World introduction).

Scarce, lower northern Seven Devils, 5,000' ±, and Rapid River.

Bingham and Miller 483, ID and WS, open, south-facing *Agropyron spicatum* slope ca. ½ mi up trail 113 in the lower Rapid River from the Circle C State Fish Hatchery trailhead gate, 2,280', 6/8/82.

Bingham and Miller Sight Record, along trail 104 just north of Big Canyon Saddle, 5,050', 6/11/82.

*Arabis crucisetosa* Const. and Rollins, Cross-haired Rockcress.

Occasional, northern and central Seven Devils, 5,000-8,500'.

Meyer 845 and 1612, WS, shaded hills 3 mi up and above Sheep Cr., ? elev., 5/13/37; and moist protected places in

- shade of *Pseudotsuga* and *Pinus ponderosa* above Sheep Cr.,  
? elev., 5/12/39; respectively.
- \*Moore 79, ?WS, Bernard Cr. trail (110), 3 mi from Snake  
River, 6,000', 5/16/36.
- Packard 350, WS, McGaffee Cow Camp in the head of the north fork  
of Bernard Cr., 5,500', 6/29/37.
- St. John and Mullen 8558, WS, rockslide on He Devil Mt.,  
9,000', 7/24/27.
- Arabis divaricarpa* Nels., Spreading-pod Rockcress.  
Uncommon, central and southern Seven Devils, 7,400-8,400'.
- \*Baker 12269, ?ID, dry, gravelly hillside on west side of Heavens  
Gate, 7/31/54.
- \*Christ 12477, ?NY, slopes near crest of Seven Devils Ridge,  
7/11/41.
- C. Johnson 8/10/83, BKR 2468, Plot 7015, east of trail 124 ca.  
0.1 mi west of the summit of Potato Hill, *Artemisia*  
*tridentata*/*Festuca idahoensis* community, 7,730',  
8/10/83.
- Q. Jones 211, WS, scattered on rocky slopes, Heavens Gate,  
7/12/50.
- Plus 3 Sight Records by C. Johnson, including Six Lake Basin  
area.
- Arabis drummondii* Gray, Drummond's Rockcress.  
Scarce, central Seven Devils, 7,600-8,000'.
- Christ 12510, ID and WS, open hillside 1 mi east of Seven Devils  
Camp, 7/12/41.
- Arabis hirsuta* (L.) Scop. var. *glabrata* Torr. and Gray, the Hairy  
Rockcress variety having narrow seed pods.  
Common, entire Seven Devils, 6,300-7,600'.
- Bingham and Miller 113 and 138, ID and WS, moderately dry rocky  
slope in the vicinity of Windy Saddle, 7,600', 7/14/80;  
and in an *Abies lasiocarpa*-*Picea engelmannii* forest in the  
bottom of Dog Cr. ca. 3/5 mi below the lake, 7,500',  
7/16/80; respectively.
- Christ 12592, ID, on cliffs in cirque below Seven Devils Lake,  
7/13/41.
- Plus 23 Sight Records by Bingham and Miller and C. Johnson.
- Arabis holboellii* Hornem. var. *pendulocarpa* (Nels.) Rollins, the  
nonauricular-leaved variety of Holboell's Rockcress.  
Scarce, central Seven Devils, 6,550-7,250'.
- C. Johnson 8/9/83, BKR 2489, Plot 7007, northeast shore of Haas  
Lake *Carex hoodii*-*Potentilla glandulosa* moraine community,  
7,240', 8/9/83; and Sight Record Plot 7035, ca. 1/4 mi west  
of trail 110 at the Old Timer Mine and spring, 6,550',  
8/14/83.
- Arabis holboellii* Hornem. var. *retrofracta* (Grah.) Rydb., the auricular-  
leaved, narrow seed-podded variety of Holboell's Rockcress.  
Common, entire Seven Devils, 5,000-7,600'.
- \*Baker 12288, ?ID, open, gravelly mountain slopes west of Seven  
Devils Camp, 7/31/54.
- Bingham and Miller 513, ID and WS, ca. 0.1 mi up rd. 106 from  
Lockwood Saddle, in *Pseudotsuga menziesii*-*Pinus*  
*ponderosa* open forest on rd. cut, 6,400', 6/30/82.
- \*Christ 12489, ?NY, windswept points, Seven Devils Ridge, 7/11/41.
- Christ 12508, ID, open mountainside 1 mi east of Seven Devils  
Camp, 7/12/41.
- C. Johnson 8/31/83 BKR 2449, Plot 7067, below trail 217 in  
the head of Deep Cr. ca. 0.1 mi northwest of rd. 112, dis-  
turbed *Agastache urticifolia*-*Polygonum phytolaccaefolium*-  
*Lupinus sericeus* community, 7,150', 8/31/83.
- Plus 15 Sight Records by Bingham and Miller and Tisdale.
- Arabis lemmonii* Wats. var. undet., Lemmon's Rockcress.  
St. John and Mullen 8545, WS, rocky summit of He Devil Mt.,  
9,200', 7/24/27.
- Arabis lignifera* A. Nels., Woody-branched Rockcress.  
Scarce, central and southern Seven Devils, 6,400-7,800'.
- Bingham and Miller 514, ID and WS, open grass-sedge-forb stand  
on rocky ridgetop, Lockwood Saddle, 6,400', 6/30/82.

- \*Nelson and Nelson 3018, ?RM, Dry Diggins Lookout, 8/10-15/38.  
*Arabis lyallii* Wats., Lyall's Rockcress.  
Uncommon, central Seven Devils, 7,400-8,400'.  
Baker 12046, ID, open alpine slopes, Seven Devils Camp, 7/21/54.  
 \*Christ 12456, 12537, and 12615, ?NY, in tundra and on grassy slopes above Seven Devils Lake, 7/11/41; in tundra on peak, Heavens Gate, 8,500', 7/12/41; and rocky point on promontory jutting into Sheep Lake No. 2 (Shelf Lake), 7/14/41; respectively.  
Christ 12488, ID, wind-swept ridge, Seven Devils Ridge, 7/11/41.  
Packard 305, WS, dry, rocky outcropping near ridge off He Devil Mt. above Sheep Lake, 9,000' (from correspondence it's known that Packard was with the Hibbs family traveling roughly along the route of present trail 123, thus the elev. of the ridge above Sheep Lake is nearer 8,400'), 6/27/37.  
*Arabis microphylla* Nutt. var. *microphylla*, Littleleaf Rockcress.  
Scarce, northern and central Seven Devils, 5,000-8,000'.  
Bingham and Miller 359, ID, crevices in bedrock in open *Abies lasiocarpa*/*Pinus albicaulis* forest, above the east shore of Mirror Lake, 7/26/81.  
Packard 563, WS, rocky north slope of ridge above Sheep Cr. 4 mi from mouth, ? elev., 5/12/39.  
*Arabis microphylla* Nutt. var. *saximontana* Rollins, the upright and many-siliqued variety of Littleleaf Rockcress.  
Scarce, central Seven Devils, 7,800' ±.  
C. Johnson 8/20/83, BKR 2466, Plot 7046, near the jct. of trails 192 and 113 ca. ¼ mi north of Carbonate Hill, *Pinus albicaulis*/*Polemonium pulcherrimum* community, 7,770', 8/20/83.  
*Arabis platysperma* Gray var. *howellii* (Wats.) Jeps., Broad-seeded Rockcress.  
Scarce, northern Seven Devils, 6,600' ±.  
Bingham 311, ID, on open, weathered, reddish basalt ca. 0.2 mi east-northeast across rd. 1819 from Cold Springs Cow Camp, 6,620', 7/10/81.  
*Arabis sparsiflora* Nutt. var. *sparsiflora*, Sicklepod Rockcress.  
Scarce, central Seven Devils, 8,200-8,400'.  
Christ 12534, ID, open east slopes, Heavens Gate, 7/12/41.  
*Arabis sparsiflora* Nutt. var. undet.  
 \*Christ 11078, ?NY, on roadbank, Cuprum, 5/30/40.  
*Arabis suffrutescens* Wats., Woody Rockcress.  
Scarce, western central Seven Devils, 7,300-7,600'.  
 \*Christ 12721, ?NY, basaltic knob near Sheep Cr. Swamp, 7/17/41.  
Ownbey and Meyer 2083, WS, gravelly, exposed ridge, Hibbs Cow Camp, 6/26/40.  
*Chorispora tenella* (Pall.) DC., Blue Mustard (European introduction).  
Scarce, lower Rapid River only, 2,200' ±.  
Bingham and Miller 482, ID and WS, grassy-brushy south-facing rocky slope along the lower Rapid River trail 113 ca. ½ mi above the Circle C State Fish Hatchery trailhead gate, 2,280', 6/8/82.  
*Descurainia richardsonii* (Sweet) Schulz var. *viscosa* (Rydb.) Peck, the glandular variety of Mountain Tansy-mustard.  
Common, entire Seven Devils, 5,200-8,000'.  
Baker 12034 and 12077, ID, open alpine slopes, Seven Devils Camp, 7/21/41; and moist soil about spring, Seven Devils Guard Station, 7/21/41; respectively.  
Bingham and Miller 141A, and Bingham 312 and 313, ID, east-facing, open, sedge and forb-covered slope in the bottom of Dog Cr. ca. 3/5 mi below Dog Lake, 7,500', 7/16/80; and (both 312 and 313) south-facing, rocky hillside with an open sedge-forb stand ca. 1½ mi east of Cold Springs Lookout along rd. 1819 near Buckhorn Spring, 6,440', 7/8/81; respectively.  
Brewer 26, Council R.D., Six Lake Basin, sec. 5, T. 21 N., R. 3 (?2) W., 7,500', 7/20/28.

- Plus 18 Sight Records by Bingham and Miller, Caribou Cr. to Lockwood Saddle, 5,600-8,000'.
- Draba oligosperma* Hook. var. *oligosperma*, Few-seeded Draba.  
Scarce, central Seven Devils, 8,400' ±.  
Christ 12468, ID and WS, and 12556, ID, rock crevices on Seven Devils Ridge, 7/11/41; and rocky shingle of ridge, Heavens Gate, 7/12/41; respectively.
- Draba verna* L. var. *boerhaavii* VanHall, Spring Whitlow Grass.  
Occasional, northern Seven Devils, 5,000-5,700'.  
Bingham 463, ID, basalt-rock, open ridgetop immediately north of rd. 420 at Cow Cr. Saddle, 5,250', 5/25/82.  
Bingham and Miller Sight Records: along trail 104 ca. ½ mi south of Camp Howard Triangulation Station, 5,700', 6/11/82; and along rd. 672 just north of Cow Cr. Saddle, 5,250', 6/10/82.
- Erucastrum gallicum* (Willd.) Schulz, Dog Mustard (European weed).  
Scarce, central Seven Devils, 7,500' ±.  
Bingham and Miller 141B, opening on an east-facing rocky slope in a *Abies lasiocarpa*/*Picea engelmannii*/*Pinus albicaulis* stand in the bottom of Dog Cr. ca. 3/5 mi below Dog Lake, 7,500', 7/16/80.
- Erysimum asperum* (Nutt.) DC., Rough Wallflower.  
Occasional, northern and central Seven Devils and Rapid River, 5,000-6,500'.  
St. John and Mullen 8464, WS, rocky ridge, Dry Diggins, 6,500', 7/20/27.  
 Plus 2 Rapid River Sight Records by Bingham and Miller and another from Low Saddle by Tisdale, 2,300-5,200'.
- \*\**Halimolobos perplexa* (Hend.) Rollins var. *perplexa*, Puzzling Halimolobos.  
Rare, entire Seven Devils, 6,600-8,000' ± (recommended for Federal Threatened Status pending more information, Steele and others 1981.)  
Bingham 310, ID, on open, reddish, weathered basalt just east-northeast across rd. 1819 from Cold Springs Cow Camp, 6,620', 7/10/81.  
\*Christ 8614, ?NY, gravel slide, Smith Mt., 8/8/37.  
Christ 12708, ID and NY, sliderock on west slopes along the Sheep Cr. trail, 7/17/41.
- Phoenicaulis cheiranthoides* Nutt., Dagger-pod.  
Scarce, central Seven Devils (on basalt), around 7,600'.  
Bingham and Miller 428, ID, on decomposed basalt with a sparse grass-forb stand in a large opening of an *Abies grandis*, *Pinus albicaulis*, *Pinus contorta* stand, in the "Y" at the jct. of trails 112 and 56 ca. ½ mi north-northeast of Hibbs Cow Camp, 7,600', 8/11/81.  
Packard 314, WS, dry open flat near Hibbs Cow Camp, 6/28/37.
- Physaria didymocarpa* (Hook.) Gray, Common Twinpod.  
Scarce (mostly at lower elevs.), southern Seven Devils, 5,000' ±.  
\*Christ 11074, ?NY, mountainside in Snake River Gorge west of Cuprum, 5/30/40.
- Physaria oregana* Wats., Oregon Twinpod.  
Occasional (mostly at lower elevs.), northern Seven Devils and Rapid River, 5,000' ±.  
Bingham and Miller 475, ID, open, south-facing, rocky hillside with a grass-forb stand along the west fork Rapid River trail 113 just west of the main forks in sec. 26, 2,850', 6/8/82.  
Meyer 1616, WS, dry, exposed, southern talus slope 2 mi from the Snake River (in lower Sheep Cr.), 5,500', 5/11/39.  
Packard 574, WS, dry, exposed, southern talus slopes above the Clark's Fk. of Sheep Cr., ? elev., 5/13/39.
- Rorippa curvisiliqua* (Hook.) Bessey, Western Yellowcress.  
Uncommon, central and southern Seven Devils, 7,200-8,000'.  
Bingham 320, ID, northwest shore of Black Lake, 7,200', 7/17/81.  
\*Christ 12729, ?NY, in marsh, Sheep Cr. Swamp, 7/17/41.  
Packard 296, WS, woods below Hibbs Cow Camp near the head of the north fork of Little Granite Cr., 7,300', 6/26/37.

- Plus 2 Bingham and Miller Sight Records: near mouth of Dog Lake, 8,000', 7/28/81; and drawn down shores of Quad Lake, 7,400', 8/14/81.
- Rorippa nasturtium-aquaticum* (L.) Schinz and Thell., Water Cress (European introduction).  
Scarce, lower Rapid River only, 2,400' ±.  
Bingham and Miller Sight Record, along the lower Rapid River trail 113 ca. ¼ mi above Blue Gulch, 2,400', 6/8/82.
- Rorippa obtusa* (Nutt.) Britt., Blunt-leaved Yellowcress.  
Scarce, central Seven Devils, 7,200' ±.  
Bingham and Miller 442, ID and WS, northeast shore of Ruth Lake where drawn down, 7,200', 8/17/81.
- Sisymbrium altissimum* L., Jim Hill Mustard (European weed).  
Scarce (mostly at lower elevs.), northern Seven Devils and Rapid River, 5,000' ±.  
Bingham and Miller Sight Records: at Sawpit Saddle, 5,000', 7/8/81; and along the lower Rapid River trail 113 just above the Circle C State Fish Hatchery trailhead gate, 2,250', 6/8/82.
- Thelypodium laciniatum* (Hook.) Endl. var. *milleflorum* (Nels.) Pays., the white-sepaled variety of the Thick-leaved Thelypody.  
Scarce, lower Rapid River only, 2,400' ±.  
Bingham and Miller Sight Record, ca. 1¼ mi up the lower Rapid River trail 113 from the Circle C State Fish Hatchery trailhead gate, 2,400', 6/8/82.
- Thlaspi montanum* L. var. *montanum*, the glaucous variety of Fendler's Pennycress (Syn. *T. fendleri* Gray var. *glaucum* (Nels.) Hitchc.).  
Common, entire Seven Devils and west fork Rapid River, 5,000-8,000'.  
Aldrich 7/04/07, ID 2264, Camp Howard (prob. the Cow Camp), 7/04/07.  
Baker 12265, ID, dry, gravelly west slope of Heavens Gate, 7/31/54.  
Bingham and Miller 54, ID, and 114 and Bingham 468, ID and WS, southwest-facing sedge-covered, open, rocky slope in an open *Abies lasiocarpa* forest, ca. 50' above the east Shore of Sheep Lake, 7,875', 7/23/79; gentle southeast-facing, gravelly-loam slope in an open *Abies lasiocarpa*-*Pinus albicaulis* forest ca. 0.1 mi northeast of Windy Saddle, 7,600', 7/14/80; and west southwest-facing, half-open, moderately moist, cutover slope with a deep black soil, *Pseudotsuga menziesii*-*Pinus ponderosa* forest, ca. 0.2 mi southwards along rd. 420 from Kirkwood Corrals, 5,120', 5/25/82; respectively.  
Brewer 10, Council R.D., Granite Cr., sec. 11, T. 22 (?21) N., R. 2 W., White cabin, ', 6/26/28 (prob. in the Granite Fk. of the Lake Fk. of the Rapid River in T. 21 N.).
- Christ 12578, ID, on cliffs in cirque below Seven Devils Lake, 7/13/41.
- Q. Jones 213, ID and WS, loose, rocky soil on nearly barren hillside, Heavens Gate, 7/13/50.
- Munro 73, WS, ridge at foot of Seven Devils Mts., 6,000', 5/14/37.
- Packard 332, WS, moist soil near McGaffee Cow Camp, 5,400', 6/29/37.
- Tisdale 7/16/79, IDF 81145, Bald Mt., 7,700', 7/16/79.
- Plus 20 Sight Records by Bingham and Miller.

## Campanulaceae

- Campanula parryi* Gray var. *idahoensis* McVaugh, Parry's Bluebell.  
Uncommon, central and high southern Seven Devils, 7,500-8,400'.  
Christ 12536, ID, in tundra on peak, Heavens Gate, 7/12/41.  
\*Christ 8684, 12577, and 12645, ?NY, in crags under ridges on Pyramid Peak (south-southwest of Black Lake), 8/8/37; talus slopes in cirque below Seven Devils Lake, 7/13/41; and ledge of cliff above Sheep Cr. Lake No. 3 (Gem Lake), 7/16/41.  
LaZelle 13, ID, rocky, east-facing talus slope on west side of Seven Devils Lake, 7,500', 8/29/63.  
Steele 935, BOIS, Heavens Gate, 8,400', 8/8/74.  
Taylor 1667, WWB, above Sheep Lake, 9/17/67.
- Campanula rotundifolia* L., Scotch Bluebell.  
Scarce, central Seven Devils (usually at elevs. below 5,000'), 7,500-9,000' +.  
Bingham and Miller 448, ID, open, rocky east-facing slope with a good forb stand, along the Horse Heaven Lake manway ca. 0.1 mi below the lake, 7,500', 7/18/81.  
\*Nelson and Nelson 2961a, ?RM, (depauperate) summit of He Devil, 8/10-15/38 (unable to verify the identity of this collection at RM, since apparently out on loan).  
Plus 2 Sight Records by Bingham and Miller, Hanson Cr. and Joes Gap, 6,800-8,000'.
- \*\*Campanula scabrella** Engelm., Rough Hairbell.  
Rare, central and eastern Seven Devils, 7,600-8,000', (recommended for a "State Watch List" of plants rare in Idaho but not threatened unless major changes occur in local land use, cf. Steele and others 1981).  
?Bingham and Miller 355, ID, rocky, west-facing slope in open *Pinus albicaulis*/*Abies lasiocarpa* stand, east of Mirror Lake, 8,000', 7/26/81 (needs to be verified, but out on loan from ID).  
Kruckeberg 3182, ID, NY, ORE, UTC, WS, steep, north-facing, metamorphic cliffs at end of rd. to Seven Devils from Riggins (prob. at Windy Saddle), 7/30/52.  
Wellner 1680, ID and IDF, Summit of Pollock Mt., north end, 8,050', 8/6/78.
- Campanula uniflora* L., Arctic Bluebell.  
Occasional, central Seven Devils, 7,600-9,000'.  
Ownbey and Meyer 2090, WS, rock crevices, exposed rocky slope, headwaters of Sheep Cr., 6/26/40.  
Packard 460, WS, on the Brundage Trail, on the ridge between the forks of Sheep Cr., 7,600', 7/28/38.  
St. John and Mullen 8546, WS, rockslide on He Devil Mt., 9,000', 7/24/27.

## Caprifoliaceae

- Linnaea borealis* L. var. *longifolia* Torr., Twinflower.  
Uncommon, entire Seven Devils and Rapid River, 5,000-6,200'.  
Baird 8/9/71, Council R.D., on stream Flat halfway through the Landore-Cuprum rd. (105), 5,000', 8/9/71.  
Baker 12096, ID, shady woods 11 mi west of Riggins (prob. on McClinery Ridge along rd. 517), 7/31/54.  
Bingham and Miller Sight Records: along rd. 517 ca. ¼ mi above its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82; and along the west fork Rapid River trail 113 near Deep Cr., 4,200', 6/9/82.  
C. Johnson Sight Records: Plot 785, along rd. 1819 ca. 0.1 mi southwest of Buckhorn Spring, 6,230', 5/25/82; and Plot 790, along rd. 2060 just east of Kirkwood Cr., 5,300', 6/29/82.

*Lonicera involucreata* (Richards.) Banks var. *involucreata*, Black Twinberry.

Common, entire Seven Devils, 6,000-7,800'.

Baker 11328, ID, 6 mi north of Cuprum (prob. along rd. 106), 9/3/53.

Bingham and Miller 134, ID and WS, south side of Dog Cr. 3/5 mi below Dog Lake, 7,600', 7/16/80.

Christ 12638, ID, banks of Sheep Cr. Lakes No. 2 (Shelf Lake), 7/16/41.

Ownbey and Meyer 2078, WS, headwaters of Sheep Cr., 6/26/40.

Packard 349, WS, banks of 1st Sheep Cr. Lake (Basin Lake), 7,500', 6/29/37.

St. John and Mullen 8478, WS, creek bank near Dry Diggins, 7,300', 7/20/27.

Plus 27 Sight Records by Bingham and Miller and C. Johnson.

*Lonicera utahensis* Wats., Utah Honeysuckle.

Abundant, entire Seven Devils and west fork Rapid River, 5,000-8,100'.

Baird 8/1/71, Council R.D., in timber 1 mi above Bear Guard Station, 5,200', 8/1/71.

Baker 12025 and 12086, ID, open alpine slopes, Seven Devils Camp, 7/21/54; and steep rocky bank below Heavens Gate, 7/21/54; respectively.

Bingham and Miller 178, ID and WS, open, east-facing, *Pseudotsuga menziesii* forest along the Old Boise Trail 101 ca. 1/2-3/4 mi north of Hanson Cr., 6,800', 7/18/80.

\*Christ 8597 and 12694, ?NY, timbered mountainside 6 mi north of Bear, 8/8/37; timbered mountainside with Douglas-fir, along Sheep Cr. Trail, 7/17/41; respectively.

Cusick 2231, WS, Seven Devils Mts., 7,000' (from the elev., coll., and date prob. along rd. 106 near the Peacock Mines), 7/10/1899.

St. John and Mullen 8549, WS, Little Granite Cr. Lake, 8,000' (prob. He Devil or Triangle Lakes, or the unnamed lake in the head of the Echo Lakes chain), 7/24/27.

Plus 60 Sight Records by Bingham and Miller, C. Johnson, and Steele.

*Sambucus cerulea* Raf., Blue Elder.

Frequent (mostly at lower elevs.), northern and central Seven Devils and Rapid River, 5,000-6,800'.

Bingham and Miller Sight Records, vicinities of Cold Springs Lookout, Cow Cr. Saddle, Big Canyon Saddle, jct. of trails 101 and 52, Sawpit Saddle, Blue Gulch on lower Rapid River, rd. 517 above its 2d crossing of Papoose Cr. in sec. 26, near the jct. of rds. 1819 and 2060, along rd. 672 northeast of Cow Cr. Saddle, and near the forks of the Rapid River in sec. 26, 5,000-6,800'.

\*Nelson and Nelson 2959, ?RM, Rapid River trail (?No.), 8/10-15/38.

*Sambucus racemosa* L. ssp. *pubens* (Michx.) House, var. *melanocarpa* (Gray) McMinn, the black-fruited variety of the American subspecies of the Black Elderberry.

Common, central and southern Seven Devils, 5,000-7,600'.

Baker 11291, ID, summit of Kinney Point (7,125'), 9/3/53.

Bingham and Miller 131 and 593, ID and WS, and 564, ID, northeast-facing, open, grass-sedge meadow at edge of boulderfield, along the south side of Dog Cr. ca. 1/2 mi below the Lake, 7,600', 7/16/80; east-facing, open, rocky roadside at the edge of a clearcut forest, on McClinery Ridge along rd. 517 ca. 3.0 mi above its 2d crossing of Papoose Cr. in sec. 26, 5,300', 8/17/82; and along rd. 517 ca. 1/4 mi up the rd. from its 2d crossing of Papoose Cr. in sec. 26, roadside clearing, 4,600', 8/17/82; respectively.

Brewer 115, Council R.D., Helena Ranger Station, sec. 12, T. 21 N., R. 3 W. (presumably at old Helena near the Peacock Mines), 6,500', 8/8/30.



- Christ 12584, ID, cliffs in the cirque below Seven Devils Lake, 7/13/41.
- St. John and Mullen 8488, WS, rocky ridgetop, Dry Diggins Area, 6,500', 7/20/27.
- Plus 18 Sight Records by Bingham and Miller.
- Symphoricarpus albus* (L.) Blake var. *laevigatus* Fern., the Pacific Slope phase of the Common Snowberry.
- Common, entire Seven Devils and Rapid River, 5,000-7,200'.
- Baker 11992, ID, open woods, Seven Devils rd. (517) 4 mi west of Riggins (prob. in Papoose Cr., ? elev.), 7/21/54.
- ?Brewer 35, IDF, Patrolman Cr., sec. 1, T. 22 N., R. 2 W. (a small west fork Rapid River Drainage north of Jackley Mt.) 7,000', 8/30/38 (flowers or fruits lacking).
- Plus 27 Sight Records by Bingham and Miller, C. Johnson, and Steele, Big Canyon Saddle to Huntley Gulch, 5,000-7,200'.
- Symphoricarpus oreophilus* Gray var. *utahensis* (Rydb.) Nels., Mountain Snowberry.
- Frequent, entire Seven Devils, 5,600-8,300'.
- Baker 12043 and 12092, ID, open alpine slopes, Seven Devils Camp, 7/21/54; and steep banks below Heavens Gate, 7/21/54; respectively.
- Bingham and Miller 373 and Bingham 549, ID, southeast-facing, open, moderately dry, rocky slope in an open *Pseudotsuga menziesii* forest, ca. ¼ mi northeast of the Seven Devils Lake fork of Bridge Cr. along the Old Boise Trail 101, 6,700', 7/27/81; and open, rocky ridgetop with a grass-sedge-forb stand ca. 200' north of Grave Point Lookout tower, 5,630', 7/21/82; respectively.
- \*Christ 11077, ?NY, on hillsides with yellow pine, Cuprum, 5/30/40.
- F. Johnson 7/31/64, IDF 6440, mule pasture below Heavens Gate Lookout, 7,000', 7/31/64.
- Plus 9 Sight Records by Bingham and Miller, C. Johnson, and Steele, 1 mi south of Cold Springs Lookout to Bear-Indian Crs. divide, 5,100-7,500'.

## Caryophyllaceae

- Arenaria aculeata* Wats., Needle-leaf Sandwort.
- Abundant, entire Seven Devils, 5,000-8,500'.
- Baird 7/29/71, Council R.D., open ridge at trailhead to Horse Heaven (? jct. trails 214 and 218), 7,500', 7/29/71.
- Baker 11306 and 12053, ID, moist, gravelly soil, Sheep Rock, 9/3/53; and open alpine slopes, Seven Devils Camp, 7/21/54; respectively.
- Bingham and Miller 26, ID, and 217, ID and WS, in an open *Pinus albicaulis/Abies lasiocarpa* stand on a rocky ridgetop ca. 0.1 mi southwest of Heavens Gate Lookout, 8,400', 7/21/79; and in the rimrock at the east of the Horse Heaven Lookout pasture just north of the Idaho-Adams Co. Line, 7,850', 8/25/80; respectively.
- Christ 12502, ID and WS, rock outcrops and shallow open slopes, Seven Devils Camp, 7/12/41.
- Holmgren and Tillett 9595, WS, among rocks, Kinney Point, 8 mi north of Cuprum, 8/14/53.
- Q. Jones 201, ID and WS, forming dense mats on rocky slopes, Heavens Gate, 7/12/50.
- \*Nelson and Nelson 3008, ?RM, Dry Diggins Lookout, 8/10-15/38.
- Ownbey and Meyer 2096, WS, gravelly soil, Heavens Gate, 6/27/40.
- Wellner 1684, ID, summit of Pollock Mt. north of the Lookout, 8,050', 8/6/78.
- Plus 36 Sight Records by Bingham and Miller and C. Johnson.

?*Arenaria capillaris* Poir. var. *americana* (Mag.) Davis, Mountain Sandwort.

\*Packard 336, ?WS, exposed outcropping, Hibbs Cow Camp, 7,800', 6/29/37.

\*St. John and Mullen 8534, ?WS, rocky ridge, Dry Diggins, 8,000', 7/22/27.

These 2 collections, plus Christ 12502 and Q. Jones 201, above, originally were identified as *A. capillaris*, but because of the overwhelming presence of *A. aculeata*, the small leaf length differences that separate the species, and the generally more northerly distribution of *A. capillaris*, both may be reidentified as *A. aculeata*. Unfortunately both are missing at WS and are not deposited under *A. aculeata*.

*Arenaria congesta* Nutt. var. *cephaloidea* (Rydb.) Mag., the acute-sepaled, capitate-flowered variety of Ballhead Sandwort.

Scarce, northern Seven Devils, 5,000' ±.

Bingham 294, ID, open *Festuca idahoensis*/*Koeleria cristata* grassland at Sawpit Saddle, 5,050', 7/8/81.

*Arenaria congesta* Nutt. var. *congesta*, Ballhead Sandwort.

Uncommon to frequent, northern and central Seven Devils, 5,500-7,600'.

Baker 12006 and 12083, ID, open alpine slopes, Seven Devils Camp, 7/21/54; and dry, gravelly soil on a point above Seven Devils Guard Station, 7/21/54; respectively.

Davis 2236, WS, dry rocky hillside, Grave Point Lookout, 6/24/40.

St. John and Mullen 8457, IDF and WS, gravel ridge, Dry Diggins, 7,000', 7/20/27.

Plus 7 C. Johnson Sight Records.

*Arenaria congesta* Nutt. var. *undet.*, Ballhead Sandwort.

\*Christ 8671, ?NY, talus slopes on Pyramid Peak (south-southwest of Black Lake), 8/8/37.

Plus 8 Sight Records by Bingham and Miller, C. Johnson, and Tisdale, Grave Point Lookout to Pyramid Peak, 5,200-7,800'.

*Arenaria macrophylla* Hook., Bigleaf Sandwort.

Abundant, entire Seven Devils and Rapid River, 5,000-7,800'.

Bingham and Miller 123, ID, under an *Abies lasiocarpa*/*Picea engelmannii* forest just west of the Old Boise Trail 101 at Hanson Cr., 6,800', 7/16/80.

Christ 12566, ID and WS, timbered west slopes, Heavens Gate, 7/12/41.

Davis 2298, WS, bottom of Sheep Cr. under Douglas-Fir, 6/26/40.

Wellner and Bingham 1696, ID, north shore of Echo Lake, 7,200', 8/22/78.

Plus 38 Sight Records by Bingham and Miller, C. Johnson and Steele, Big Canyon Saddle to Huntley Gulch, 5,000-7,800'.

*Arenaria obtusiloba* (Rydb.) Fern., Arctic Sandwort.

Scarce, central Seven Devils, 8,000-9,000'.

\*Christ 12659, ?NY, soil pockets on talus slopes, Sheep Cr. Lake No. 4 (Sheep Lake), 7/16/41.

St. John and Mullen 8543, WS, tufts in rock chimney, He Devil Mt., 9,000', 7/24/27.

*Arenaria rossii* R. Br. var. *undet.*, Ross' Sandwort.

Scarce, central Seven Devils, 7,300-7,600'.

\*Christ 12493, ?NY, on banks of rill, Hibbs Cow Camp, 7/11/41.

*Arenaria serpyllifolia* L., Thyme-leaved Sandwort.

Uncommon, northern Seven Devils, 5,200-5,900'.

Davis 2289, WS, moist draw 1 mi below Grave Point Lookout, 6/25/40.

St. John and Mullen 8341, WS, rocky cleft at head of Bernard Cr., 5,600', 7/19/27.

Plus 3 Sight Records by C. Johnson, Caribou Cr., Grave Point Lookout and McGaffee Cow Camp, 5,250-5,900'.

*Cerastium arvensis* L., the montane form of Field Chickweed.

Common, northern and central Seven Devils, 5,000-9,000'.

Baker 12263, ID, dry, gravelly hillside, west slope of Heavens

Gate, 7/31/54.

Bingham and Miller 6 and 101, ID, in rocky soil at base of large boulders at foot of cliff immediately north of Heavens Gate Lookout, 8,380', 7/21/79; and in soil pockets under and around boulders on bedrock ridgetop ca. ¼ mi west of the summit of He Devil Mt., 9,000', 7/26/79; respectively.

Christ 12557, ID and WS, grassy ridge, Heavens Gate, 7/12/41.

Q. Jones 226, ID and WS, grassy slopes beneath *Pinus albicaulis*, Heavens Gate, 7/13/50.

Plus 25 Sight Records by Bingham and Miller, C. Johnson, and Tisdale, Big Canyon Saddle to south of Rankin Mill, 5,000-7,800'.

*Dianthus armeria* L., Grass Pink (escaped European garden species).

Scarce, central Seven Devils, 5,000-7,600'.

Bingham and Miller 198, ID, and 577, ID and WS, on open, grassy slopes ca. 0.1 mi east of Windy Saddle, 7,600', 7/13/80; and along the side of rd. 517 ca. ¼ mi above the road's 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82; respectively.

*Sagina occidentalis* Wats., Western Pearlwort.

Scarce, central Seven Devils, 8,000' ±.

Baker 12267, ID, dry, gravelly hillside on the west slope of Heavens Gate, 7/31/54.

*Silene douglasii* Hook. var. *douglasii*, Douglas Campion.

Frequent, central and southern Seven Devils, 5,000-7,800'.

Baker 11293, 11994, and 12074, ID, summit of Kinney Point, 9/3/53; Seven Devils rd. 4 mi west of Riggins (prob. along rd. 517 in Papoose Cr.), ? elev., 7/21/54; and rocky point above Seven Devils Guard Station, 7/21/54; respectively.

Bingham and Miller 254, 383, and 410, ID and WS, northwest-facing, open, rocky slope along trail 124 ca. 1 mi north of Horse Heaven Saddle, at the bottom of the switchbacks in the head of the south fork of Devils Farm Cr., 7,800', 8/28/80; south-facing, open, rock crevices ca. ½ mi up the Hanson Lakes manway from the Old Boise Trail 101, 7,300', 7/29/81; and north-facing, 1/5-shaded, rocky slope in an *Abies lasiocarpa*-*Pinus albicaulis* forest along trail 112 ca. ¼ mi westward from the summit between the forks of Sheep Cr., 7,800', 8/10/81; respectively.

\*Christ 8700, ?NY, grassed talus slopes near Black Lake, 8/8/37.

\*Kruckeberg 3180, ?WTU, dry, rocky, south-facing slopes at the Saddle at the end of the Seven Devils rd. (rd. 517 at Windy Saddle), 7,500', 7/30/52.

\*Nelson and Nelson 2986, ?RM, Horse Heaven, 8/10-15/38.

Plus 4 Sight Records by Bingham and Miller.

*Silene oregana* Wats., Oregon Campion.

Frequent, northern and central Seven Devils, 5,500-8,000'.

Bingham and Miller 356 and 429, ID, east-facing, open, steep rocky streambank in an open *Abies lasiocarpa*-*Picea engelmannii* stand ca. ¼ mi below the outlet of Mirror Lake, 7,700', 7/26/81; and west-facing, open moderately dry rocky slope with a sedge-grass-forb stand in an open *Pinus contorta*-*Abies lasiocarpa* forest along the Dry Diggins Ridge trail 140 ca. 0.1 mi north of the Iron Phone at the jct. of trails 112, 140, and 57, 7,360', 8/12/81; respectively.

Davis 2349, WS, medium dry open hillside, Heavens Gate, 6/27/40.

C. Johnson 8/14/83, BKR 2482, Plot 7036, *Festuca idahoensis*-*Koeleria cristata* community, east of the Old Boise Trail 101 ca. 1/3 mi south of The Narrows, 7,660', 8/14/83.

\*Kruckeberg 3181, ?WTU, dry, rocky, south-facing slopes at the saddle at the end of the Seven Devils rd. (rd. 517 at Windy Saddle), 7,500', 7/30/52.

Kruckeberg 3203, WS and WTU, on rocky slopes and in crevices just below Dry Diggins Lookout, 8/1/52.

St. John and Mullen 8436, WS, grassy head of Bernard Cr., 5,500', 7/19/27.

- Tisdale 7/11/79, IDF 81129, 1½ mi west of Cold Springs Lookout, 6,600', 7/11/79.  
 Plus 6 Sight Records by Bingham and Miller and C. Johnson.  
*Silene parryi* (Wats.) Hitchc. and Mag., Parry's Champion.  
Scarce, northern Seven Devils, 5,600' ±.  
Bingham 552, ID, open rocky ridgetop with a basalt-derived soil and an open grass-forb-sedge stand plus a few shrubs, ca. 150' northeast of Grave Point Lookout tower, 5,630', 7/21/82.
- Silene scouleri* Hook. var. *scouleri*, Scouler's Champion.  
Uncommon, northern and central Seven Devils, 5,600-8,300'.  
 \*Christ 12514, ?NY, open, grassy mountainside 1 mi east of Seven Devils Camp, 7/12/41.  
Davis 2342, WS, dry hillside, Grave Point Lookout, 6/24/40.  
 Plus 6 Bingham and Miller and Tisdale Sight Records, Cold Springs Cow Camp to Ruth Lake, 6,600-7,600'.
- Spergularia rubra* (L.) Presl, Red Sandspur (European introduction).  
Uncommon, northern and central Seven Devils, 6,500-7,600'.  
Baker 12081, ID, gravelly soil on a point above Seven Devils Guard Station, 7/21/54.  
Bingham 285, ID, drawn-down north bank of Crater Lake, 6,550', 7/9/81.  
 Plus 3 Sight Records by Bingham and Miller, drawn-down shore of Horse Heaven Lake, 7,600', 8/18/81; basalt scabrock just northwest of Lily Pad Lake, 7,300', 8/11/81; and along the Old Boise Trail 101 ca. 0.1 mi north of the Cannon Lake trail, 6,500', 7/27/81.
- Stellaria calycantha* (Ledeb.) Bong. var. *bongardiana* Fern., the variety of Northern Starwort having few-flowered cymes.  
Scarce, northern and central Seven Devils, 5,400-7,300'.  
Bingham 299, ID, gentle south-facing, grassy, forested hillside with a deep sandy loam soil, under *Pinus ponderosa* and *Pseudotsuga menziesii* at the end of the Low Saddle spur rd. at Low Saddle campground, 5,400', 7/8/80.  
Bingham and Miller Sight Record, along the Dry Diggins Ridge trail 140 ca. ¼ mi south of the drop-off at the north end of the Ridge-plateau, 7,300', 8/12/81.
- ?*Stellaria crassifolia* Ehrb., Thick-leaved Starwort.  
Bingham and Miller 445, ID and WS, gentle, north-facing, 1/3-open, bedrock slope, soil pocket in small forest opening in a *Picea engelmannii*, *Pinus albicaulis*, *Abies lasiocarpa* forest 30' above the south bank of Ruth Lake, 7,250', 8/17/81 (keys with difficulty).
- ?*Stellaria crispa* Cham. and Schlecht., Crisped Starwort.  
 \*Christ 8633 and 12661, ?NY, springy places on mountainside, Black Lake, 8/8/37; and edge of spring, Sheep Cr. Lake No. 4 (Sheep Lake), 7/16/41; respectively (but the geog. range of *S. crispa* does not include west central Idaho).
- Stellaria media* (L.) Cyrill., Chickweed (European weed).  
Occasional, northern and central Seven Devils and Rapid River, 5,000-6,650'.  
Bingham and Miller 389, ID and WS, gentle, south-facing, 4/5-open rocky slope at the edge of a *Pseudotsuga menziesii* forest ca. ¼ mi up the Cannon Lake trail from the Old Boise Trail 101, 6,650', 7/27/81.  
Bingham and Miller Sight Records: along the stock-drive part of trail 104 ca. 0.1 mi east of Big Canyon Saddle, 4,900', 6/11/82; and along trail 113 in the lower Rapid River, 1½ mi above the Hatchery, 2,400', 6/8/82.
- Stellaria nitens* Nutt., Shining Chickweed.  
Scarce, northern Seven Devils, 5,000-5,200'.  
 ?Bingham and Miller 509, ID and WS, southeast-facing, open, rocky hillside in an open grass-forb stand of the *Festuca idahoensis*-*Agropyron spicatum* h.t., along trail 104 ca. 150' north of Big Canyon Saddle, 5,050', 6/11/82 (but the stem is leafy full length).  
Tisdale Sight Record, vicinity of Low Saddle, 5,200', 7/13/78.
- Stellaria obtusa* Engelm., Blunt-sepaed Starwort.

Scarce, southern Seven Devils, 7,200' ±.  
\*Christ 8641, ?NY, shore of Black Lake, 8/8/37.

## Celastraceae

- Glossopetalon nevadense* Gray, Spiny Greenbush.  
Scarce, Rapid River only, 2,200-2,500'.  
Bingham and Miller Sight Record, ca. ½ mi up the lower Rapid River trail 113 from the Circle C State Fish Hatchery trailhead gate, 2,300', 6/8/82.
- Pachistima myrsinites* (Pursh) Raf., Mountain Lover or Mountain Box.  
Occasional, central and southern Seven Devils, 5,500-6,400'.  
Baird 8/18/71, Council R.D., in timber 2 mi south of Landore, 5,500', 8/18/71.  
Bingham and Miller 604, ID and WS, east-facing rocky hillside with a dense *Abies grandis*-*Pseudotsuga menziesii* forest, along the east fork Sheep Cr. trail 58 ca. ¾ mi north of its jct. with trail 112 northwest of Windy Saddle, 6,350', 8/18/82.
- Steele Sight Records: Stand 81-Pa-01A, along the Indian Cr. rd. ca. 6 mi above Cuprum, 5,550', 6/24/81; and the companion Stand 81-Pa-01B, of the same locality, elev., and date.

## Chenopodiaceae

- Chenopodium album* L., Lambsquarter (Eurasian introduction).  
Scarce, central Seven Devils and Rapid River, 5,000-7,900'.  
Bingham and Miller 387, ID, in the disturbed trail tread along the Old Boise Trail ca. 1/3 mi north of the Heavens Gate parking area, 7,880', 7/30/81.  
Plus 1 Sight Record by Bingham and Miller, ca. ½ mi up the lower Rapid River trail 113 from the trailhead gate at the Circle C State Fish Hatchery, 2,300', 6/8/82.
- Monolepis nuttalliana* (Schultes) Greene, Patata.  
Scarce, central Seven Devils, 7,300' ±.  
Baker 12073, ID, dry, rocky banks above Seven Devils Guard Station, 7/21/54.

## Convolvulaceae

- Convolvulus arvensis* L., Field Morning Glory or Bindweed (European introduction).  
Scarce, Rapid River only, 4,000' ±.  
Brewer 73, Council R.D., mouth of Paradise Cr. (on main Rapid River), sec. 15 (?27), T. 22 N., R. 1 W., 4,500', 7/30/29.  
Bingham and Miller Sight Record, along the west fork of the Rapid River trail 113 in the McCrea Place pasture, 4,000', 6/9/82.

## Cornaceae

- Cornus stolonifera* Michx. var. *stolonifera*, Red Osier Dogwood.  
Uncommon (mostly at lower elevs.), entire Seven Devils and Rapid River, 5,000-5,400'.  
Bingham and Miller 602, ID and WS, mature, dense, stream bottom stand of *Abies grandis* and *Picea engelmannii* along the bottom of the east fork of Sheep Cr. at the unnamed creek ca. 1 mi south of Log Cr., 5,100', 8/18/82.  
Plus 4 Sight Records by Bingham and Miller, McGaffee Cow Camp, Old Landore, and lower and west fork of the Rapid River, 2,400-5,700'.

## Crassulaceae

- Sedum lanceolatum*, Torr. var. *lanceolatum*, Lance-leaved Sedum.  
Common, entire Seven Devils and Rapid River, 5,000-9,400'.

Bingham and Miller 8, 50, and 96, ID, and 212, ID and WS,  
west-facing, open, rocky slope in an open *Abies lasiocarpa*-*Pinus albicaulis* forest, just above the roadbank of the Heavens Gate rd. ca. ½ mi below the parking area, 8,180', 7/21/79; north-facing, open, bedrock ridgetop on She Devil Mt. ca. 0.2 mi south of the She Devil - Tower-of-Babel Saddle, 9,050', 7/23/79; open bedrock bench ca. 50' south and 25' below the summit of He Devil Mt., 9,370', 7/26/79; and north-facing rocky ridgetop with a sedge-forb meadow in an opening in an *Abies lasiocarpa*-*Pinus albicaulis* stand, ca. 0.1 mi northwards along the Old Boise Trail from the Horse Heaven Lookout cabin, 8,150', 8/25/80; respectively.

Packard 462, WS, moist crevices on talus slopes on the ridge between the forks of Sheep Cr. (along trail 112), 7,500', 7/28/38.

Wellner 1694, ID, east-facing slope at Sheep Lake, 8,000', 8/21/78.

Plus 32 Sight Records by Bingham and Miller and C. Johnson, Big Canyon Saddle to Lockwood Saddle, 5,000-8,000'.

*Sedum leibergii* Britt., Leiberg's Sedum.

Scarce, lower Rapid River only, 2,500' ±.

Bingham and Miller Sight Record, along the lower Rapid River trail 113 ca. ¾ mi above Blue Gulch, 2,500', 6/8/82.

*Sedum rosea* (L.) Scop., King's Crown or Rosewort.

Uncommon, central Seven Devils, 7,300-9,300'.

Bingham and Miller 47, ID, open, west-facing, bedrock crevices ca. 150' north of the summit of She Devil Mt., 9,275', 7/23/79.

\*Christ 12445, 12492, and 12580, ?NY, moist cliffs above Seven Devils Lake, 7/11/41; summit of He Devil Mt. (courtesy of hikers returning from ascent), 7/11/41; and on cliffs in cirque below Seven Devils Lake, 7/13/41; respectively.

Packard 304, WS, on moist, rocky soil near Sheep Lake, 8,800' (lake elev. is 7,825'), 6/27/37.

St. John and Mullen 8565, WS, crevice on rock slide on He Devil Mt., 9,000', 7/24/27.

Plus 3 Sight Records by Bingham and Miller, Goat Pass, cliffs on south side of Basin Lake, and cliffs along the south side of Seven Devils Lake, 7,300-8,300'.

*Sedum stenopetalum* Pursh, Wormleaf Sedum.

Frequent, entire Seven Devils, 5,100-7,800'.

Baker 12013, ID, open alpine slopes, Seven Devils Camp, 7/21/54.

Brewer 70, Council R.D., Iron Springs (camp ca. 0.2 mi north of Holbrook Saddle), sec. 24, T. 22 N., R. 3 (?2) W., 6,500', 7/20/29.

\*Christ 12574, ?NY, rock outcrops, Seven Devils Camp, 7/13/41.  
C. Johnson 8/10/83, BKR 2488, Plot 7014, *Festuca idahoensis*-*Carex hoodii* community, east of trail 124 ca. ¼ mi southwest of the summit of Potato Hill, 7,750', 8/10/83.

Plus 6 Sight Records by C. Johnson, Steele, and Tisdale, Cold Springs Lookout south to the Bear-Indian Cr. divide along rd. 002, 5,800-7,600'.

## Cupressaceae

*Juniperus communis* L. var. *montana* Ait., Mountain Juniper.

Common, central and southern Seven Devils and Rapid River, 6,000-9,200'.

\*Baker 12286, ?ID, open gravelly slopes west of Seven Devils Camp, 7/31/54.

Bingham and Miller 80 and 377, ID, west-facing open forest slope in protected valley, *Pinus albicaulis*-*Abies lasiocarpa* forest, midslope above small valley ca. 2/5 mi directly north of the summit of He Devil Mt., 8,350', 7/25/79; and cliff crevices on steep north-facing slope, ½-open but shaded by the cliffs, *Abies lasiocarpa*-*Pinus albicaulis*

forest, south side of Seven Devils Lake, 7,600', 7/27/81; respectively.  
\*Christ 8676 and 12599, ?NY, open ridge on Pyramid Peak, 8/8/37; and slopes in timber in cirque below Seven Devils Lake, 7/13/41; respectively.  
Munro 80, WS, ridge south of McGaffee Cow Camp, 5,000' (prob. 5,700-6,000'), 5/14/37.  
\*Nelson and Nelson 2961, ?RM, summit of He Devil (actually more likely to have been in the saddle just south of the summit), 8/10-15/38.  
St. John and Mullen 8513, WS, rocky knoll, Dry Diggins, 8,000', 7/21/27.  
Tucker 7/17/32, ID 8789, Rapid River, 7/17/32.  
Plus 15 Sight Records by Bingham and Miller.

## Cyperaceae

- ?*Carex aquatilis* Wahl., Water Sedge.  
?Bingham 328, ID, north shore of Black Lake, 7,200', 7/17/81 (immature).  
Plus 1 questionable Sight Record by Bingham, banks of the largest and northeasternmost of the lakes in Six Lake Basin, 7,400', 7/18/81.
- Carex atrata* L. var. *erecta* Boott, the variety of the Blackened Sedge with the broader perigynum.  
Scarce, southern Seven Devils, 6,750' ±.  
C. Johnson 8/31/83, BKR 2494, Plot 7069, west of the Deep Cr. trail 219 ca. ½ mi north of the Black Lake rd. 112 at High Dive, *Deschampsia cespitosa* meadow community, 6,760', 8/31/83.
- Carex concinnoides* Mack., Northwest Sedge.  
Occasional, lower northern and southern Seven Devils and Rapid River, 5,000-6,400'.  
Bingham and Miller 498, ID and WS, grand fir/clintonia h.t. along trail 113 in the west fork of the Rapid River ca. 0.2 mi below trail 62, 4,680', 6/9/82.  
Bingham and Miller Sight Records: along rd. 106 north of Lockwood Saddle, 6,400', 6/30/82; and along rd. 672 near China Saddle, 5,200', 6/10/82.
- Carex deweyana* Schw., Dewey's Sedge.  
Scarce, northern Seven Devils, 6,500' ±.  
Bingham 286, ID, north bank of Crater Lake, 6,550', 7/9/81.
- Carex eurycarpa* Holm, Wide-fruited Sedge.  
Uncommon, central and southern Seven Devils, 7,000-7,400'.  
C. Johnson Sight Records: Plot 7021, east of trail 124 ca. 1 mi south of Hibbs Cow Camp, 7,050', 8/11/83; Plot 7024, west of trail 112 ca. ½ mi south of Hibbs Cow Camp, 8/11/83; Plot 7027, east of the Dry Diggins Ridge trail 140 at the dropoff ca. 2½ mi north of the jct. of trails 112, 57, and 140 at the Iron Phone, 7,370', 8/12/83; and Plot 7062, north of the trail 217 at the northwest end of the 2d lake proceeding westward along the trail in Six Lake Basin, 7,360', 8/30/83.
- Carex foetida* Allioni var. *vermacula* (Bailey) Keuk., Foetid Sedge.  
Scarce, southern Seven Devils, 7,800' ±.  
Baird 7/29/71, Council R.D., partial snowbank at trailhead to Horse Heaven (? jct. trails 214 and 218), 7,500', 7/29/71.
- Carex geyeri* Boott, Elk Sedge.  
Abundant, entire Seven Devils, 5,000-8,400'.  
\*Christ 12598, ?NY, slopes in timber in cirque below Seven Devils Lake, 7/13/41.  
\*Hermann 12044, ?NA, Seven Devils rd. (517), 1 mi below Shingle Cr., ca. 6,000', 8/6/55.  
\*St. John and Mullen 8519, ?WS, Dry Diggins, 7/22/27.  
Plus 53 Sight Records by Bingham and Miller, C. Johnson, Tisdale, and Steele, Big Canyon Saddle to Huntley Gulch, 5,000-8,400'.

- Carex haydeniana* Olney, Hayden's Sedge.  
Scarce, central Seven Devils, 7,000-7,600'.  
St. John and Mullen 8520, WS, Dry Diggins Area, 7/22/27.
- Carex hoodii* Boott, Hood's Sedge.  
Abundant, entire Seven Devils, 5,200-8,200'.  
Bingham and Miller 156 and Bingham 301, ID, sedge/forb meadow in open forest on southeast-facing, gentle, rocky slope, below the Old Boise Trail ca. 0.1 mi northeast of Hanson Cr., 6,800', 7/17/80; and streamside in open forest, jct. rd. 2060 and Meyer Cr., 5,800', 7/8/81; respectively.  
 \*Hermann 12039, ?MICH, ?NA, vicinity of Cold Springs Lookout, 6,900', 8/6/55.  
C. Johnson 8/12/83, BKR 2562, Plot 7027, east of the Dry Diggins Ridge trail 140 at the dropoff ca. 2½ mi north of the Iron Phone (jct. trail 140, 112 and 57), *Festuca idahoensis*/*Antennaria* community, 7,370', 8/12/83.  
Tisdale 7/15/78, IDF 78350; 7/13/78, IDF 78351; 7/14/78, IDF 78354; Seven Devils Guard Station pasture, 7,300', 7/15/78; 2 mi west of Cold Springs Lookout, 6,700', 7/13/78; and Seven Devils Guard Station pasture, 7,500', 7/14/78; respectively.  
 Plus 50 Sight Records by Bingham and Miller, C. Johnson and Tisdale, Sawpit Saddle to Black Lake, 5,200-8,200'.
- Carex illiota* Bailey, Small-headed Sedge.  
Scarce, central Seven Devils, 7,000-7,600'.  
 \*St. John and Mullen 8586, ?WS, Dry Diggins, 7/25/27.
- Carex lenticularis* Michx. var. *lenticularis*, Lenticular-achened Sedge.  
Uncommon, central Seven Devils, 7,100-7,600', mostly on lake shores.  
Bingham and Miller 232, ID and WS, banks of Ruth Lake, just north of the east outlet, 7,200', 8/27/80.  
 Plus 7 Sight Records by Bingham and Miller, Bernard Lakes to Ruth Lake, 7,100-7,600'.
- Carex leporinella* Mack., Sierra Hare Sedge.  
Scarce, summits of highest, central Seven Devils peaks, 9,000-9,400'.  
Bingham and Miller 48 and 92, ID, west-facing bedrock crevices ca. 150' north of the summit of She Devil Mt., 9,275', 7/23/79; and crevices in bedrock bench ca. 10' south and below summit of He Devil Mt., 9,385', 7/26/79; respectively.
- Carex microptera* Mack., Small-winged Sedge.  
Uncommon, central and southern Seven Devils, 6,600-9,000' ±.  
Bingham 287, ID, banks of Crater Lake, 6,650', 7/9/81.  
Brewer 112, Council R.D., sec. 36, T. 22 N., R. 2 W. (prob. along trail 191 east of Black Lake), 7,000', 8/18/30.  
 \*Nelson and Nelson 3014, ?RM, top of He Devil, 8/10-15/38.  
 Plus 6 Sight Records by Bingham and Miller, and C. Johnson, Papoose Lake to High Dive, 6,600-7,200'.
- Carex multicostata* Mack., Many-ribbed Sedge.  
Uncommon, northern and central Seven Devils, 6,700-8,000' ±.  
 \*Hermann 12038, ?MICH, ?US, vicinity of Cold Springs Lookout, 6,900', 8/6/55.  
C. Johnson 8/12/83, BKR 2561, Plot 7027, east of the Dry Diggins Ridge trail 140 at the dropoff 2½ mi north of the Iron Phone (junction trail 140, 112, and 57), *Festuca idahoensis*/*Antennaria* community, 7,370', 8/12/83.  
 Plus 3 Sight Records by C. Johnson, southwest of Cold Springs Cow Camp, Horse Heaven Lookout pasture, and Potato Hill, 6,700-8,040'.
- Carex nigricans* C. A. Meyer, Black Alpine Sedge.  
Occasional, central and southern Seven Devils, 7,500-8,000'.  
 \*Christ 8619, 8660, and 8687, ?NY, tundra on high mountainside, Black Lake, 8/8/37; meadow in cirque, Pyramid Peak (south-southwest of Black Lake), 8/8/37; and in tundra in cirque, Black Lake, 8/8/37, respectively.  
 \*St. John and Mullen 8585, ?WS, Dry Diggins, 7/25/27.
- Carex pachystachya* Cham., Thick-headed Sedge.  
Scarce, southern Seven Devils, 7,500-8,000'.  
 \*Christ 8672 and 8681, ?NY, meadow in glacial cirque, Black Lake,



- 7/7/37; and high meadow near Black Lake, 7/7/37, respectively.
- Carex paupercula* Michx., Poor Sedge.  
Scarce, southern Seven Devils, 8,000' ±.  
 \*Christ 8618, ?NY, high mountainside, Black Lake, 7/7/37.
- Carex paysonis* Clokey, Payson's Sedge.  
Occasional, central and southern Seven Devils, 7,500-8,000'.  
Baird 7/29/71, Council R.D., partial snowbank at trailhead to Horse Heaven (? jct. trail, 214 and 218), 7,500', 7/29/71.  
Bingham 346, ID, and Bingham and Miller 433, ID and WS, wet slopes below melting snowbanks in an *Abies lasiocarpa*/*Pinus albicaulis* forest, at Joes Gap along trail 217, 8,000', 7/18/81; and north-facing, open rocky slope in an *Abies lasiocarpa*/*Pinus albicaulis* forest along trail 123 ca. ½ mi southward from Gem Lake, 8,000', 8/13/81; respectively.  
 \*Christ 8680, ?NY, on slopes and meadow, Black Lake, 8/8/37.
- Carex petasata* Dewey, Liddon's Sedge.  
Occasional, central Seven Devils, 7,500-8,000'.  
Christ 12509, ID, open, grassy mountainside, 1 mi east of Seven Devils Camp, 7/12/41.  
C. Johnson Sight Records: Plot 7036, 1/3 mi south of The Narrows, 7,660', 8/14/83; Plot 7070, west of the Old Boise Trail at Fire Camp Saddle, 7,180', 9/1/83; and Plot 7076, east of the Heavens Gate Lookout rd. ca. 1/3 mi south of the Lookout parking area, 9/2/83.
- Carex phaeocephala* Piper, Mt. Hare Sedge.  
Occasional, central Seven Devils, 7,400-9,000' ±.  
Bingham and Miller 215, ID and WS, open, rocky subalpine ridgetop, sedge-forb stand, immediate vicinity of Horse Heaven Lookout cabin, 8,200', 8/25/80.  
 \*St. John and Mullen 8544, ?WS, He Devil Mt., ? elev., 7/24/27.  
 Plus 2 Sight Records by Tisdale, Bald Mt. and Seven Devils Guard Station pasture, 7,400-7,800'.
- ?*Carex raynoldsii* Dewey, Raynold's Sedge.  
 \*St. John and Mullen 8453, ?WS, Dry Diggins, 7/20/27  
 (presumably central Idaho is not within the distribution of this species).
- Carex rossii* Boott, Ross' Sedge.  
Frequent, central and southern Seven Devils, 5,000-8,200'.  
Baird 7/20/72, Council R.D., below Smith Mt. Lookout, 6,500', 7/20/72.  
 \*Nelson and Nelson 3010, ?RM, Dry Diggins, 8/10-15/38.  
 \*St. John and Mullen 8463, ?WS, Dry Diggins Area, 7/20/27.  
 Plus 16 Sight Records by C. Johnson and Steele, Papoose Lake to Bear-Indian Cr. divide along rd. 002, 5,000-8,000'.
- ?*Carex scoparia* Schk.  
Scarce, central Seven Devils, 7,500' ±.  
Packard 351, WS, wet soil near lakeside, 2d Sheep Cr. Lake (Shelf Lake), 6/29/37 (*C. scoparia*, presumably, is from west of the Cascade Mts. only).
- Carex scopulorum*, Holm, Holm's Rocky Mt. Sedge.  
Frequent, central and southern Seven Devils, 6,800-7,800'.  
Bingham and Miller 116 and 353, and Bingham 331, ID and WS, bog between Lower Hanson Lake and the pond to its north-northeast, 7,750', 7/15/80; perched marsh in Bridge Cr. ca. ½ mi below Mirror Lake, 7,300', 7/26/81; and northwest shore of Black Lake, 7,200', 7/17/81; respectively.  
Packard 340, WS, beside the 2d Sheep Cr. Lake (Shelf Lake), 6/29/27.  
 \*St. John and Mullen 8584, ?WS, Dry Diggins Area, 7/25/27.  
 Plus 6 Sight Records by Bingham and Miller and C. Johnson, Dry Diggins Ridge to High Dive, 6,800-7,600'.
- Carex stipata* Muhl., Sawbeak Sedge.  
Uncommon, central Seven Devils, 7,000-7,500' (lake banks and wet meadows).  
Bingham and Miller Sight Records: banks of Baldy Lake, 7,200', 8/15/81; banks of Lower Cannon Lake, 7,000', 7/27/81;

vernal pond between He Devil and Triangle Lakes, 7,500', 8/14/81; banks of Lily Pad Lake, 7,300', 8/11/81; and along trail 123 in the long, wet sedge meadow between Lily Pad and Basin Lakes, 7,300', 8/13/81.

*Eleocharis palustris* (L.) Roem. and Schult., Common Spike Rush.

Uncommon, central Seven Devils, 7,200-7,300'.

Bingham and Miller 231, ID and WS, in shallow water at the northeast end of Ruth Lake, 7,200', 8/27/80.

St. John and Mullen 8588, WS, edges of Lily Pad Lake, Dry Diggins, 8,000' (actually the lake lies at 7,300'), 7/25/27.

Plus 3 Sight Records: Bernard, Crater, and Lily Pad Lakes 7,200-7,300', by Bingham and Miller.

*Scirpus microcarpus* Presl, Small-fruited Bullrush.

Scarce, northern Seven Devils, 6,200' ±.

Bingham 304, ID, west-facing, 1/5-shaded streambank with a moist, deep silty loam soil, at the upper crossing of rd. 1819 over Caribou Cr., 6,200', 7/10/81.

## Dipsacaceae

*Dipsacus sylvestris* Huds., Teasel (European weed).

Scarce (mostly at lower elevs.), central Seven Devils and Rapid River, 5,000' +.

Bingham and Miller Sight Records: vicinity of the Circle C State Fish Hatchery, 2,200', 6/8/82; and along rd. 672 south of China Saddle, 5,200', 6/10/82.

## Elaeagnaceae

*Shepherdia canadensis* (L.) Nutt., Canadian Buffalo-berry.

Scarce, southern Seven Devils, 5,000' ±.

Baird 8/1/71, Council R.D., in timber 1 mi above Bear Guard Station, 5,200', 8/1/71.

\*Christ 8591, ?NY, timbered mountainside 6 mi north of Bear, 8/8/37.

## Equisetaceae

*Equisetum arvense* L., Common Horsetail.

Occasional, central Seven Devils and Rapid River, 5,000-6,600'.

Bingham and Miller 366, ID, and 600, ID and WS, in the 2d watered fork of Bridge Cr. ca. 1 mi below Seven Devils Guard Station along the Old Boise Trail 101, 6,600', 7/27/81; and in a mature *Abies grandis*, *Picea engelmannii* stand in the bottom of the south fork of Sheep Cr. along trail 58 at the unnamed creek ca. 1 mi south of Log Cr., 5,100', 8/18/82; respectively.

Plus 2 Sight Records by Bingham and Miller, Bernard Lakes and along the lower Rapid River 1/4 mi above Blue Gulch, 2,500-5,100'.

*Equisetum hyemale* L., Common Scouring-rush.

Scarce, lower Rapid River, 2,400' ±.

Bingham and Miller Sight Record, along the lower Rapid River trail 113 near Blue Gulch, 2,400', 6/8/82.

## Ericaceae

*Chimaphila menziesii* (R. Br.) Spreng., Little Princes' Pine.

Occasional, central Seven Devils, 6,400-6,800'.

Bingham and Miller 173, ID, moderately dense *Abies lasiocarpa*, *Pinus contorta*, *Pseudotsuga menziesii* forest along the Old Boise Trail 101 ca. 3/4 mi south of Cannon Cr., 6,800', 7/18/80.

\*Christ 12627, ?NY, on timbered mountainside with Douglas-fir along the trail from Wilson (Hibbs) Cow Camp to Baldy Lake (prob. the forerunner of trail 124), 7/15/41.

- Plus 1 Sight Record by Bingham and Miller, along trail 124 just south of the Baldy Lake trail, 7,000', Aug. 14, 1981.
- Chimaphila umbellata* (L.) Bart. var. *occidentalis* (Rydb.) Blake, Princes' Pine.
- Abundant, entire Seven Devils and Rapid River, 5,000-7,600'.
- Baird 8/1/71, Council R.D.,  $\frac{1}{4}$  way down Bear-Landore rd. (105), 5,200', 8/1/71.
- Bingham and Miller 168, ID and WS, gently sloping, east-facing, silty stream bottom in a moderately dense *Abies lasiocarpa*/*Picea engelmannii* forest just below the Old Boise Trail at Hanson Cr., 6,700', 7/17/80.
- \*Christ 12626, ?NY, on timbered mountainside with Douglas-fir along the trail from the Wilson (Hibbs) Cow Camp to Baldy Lake (prob. the forerunner of trail 124), 7/15/41.
- Plus 47 Sight Records by Bingham and Miller, C. Johnson, and Steele, Kirkwood Cr. to Landore, 5,200-7,600'.
- Gaultheria humifusa* (Grah.) Rydb., Wintergreen.
- Frequent, central and southern Seven Devils, 6,600-8,000'.
- Bingham 326, ID and WS, open lakeshore at edge of moderately dense *Abies lasiocarpa*/*Picea engelmannii* forest, northwest shore of Black Lake, 7,200', 7/17/81.
- Christ 12589, ID and WS, cliffs in cirque below Seven Devils Lake, 7/13/41.
- Plus 9 Sight Records by Bingham and Miller, Bernard Lakes and east fork of Sheep Cr. to Six Lake Basin, 6,600-8,000'.
- Kalmia microphylla* (Hook.) Heller, Alpine Laurel.
- Uncommon, central Seven Devils, 7,300-8,500'.
- Bingham and Miller 33, ID, in the open marsh at the north end of the pond lying alongside the northeast side of Sheep Lake at the foot of the Goat Pass manway, 7,880', 7/22/79.
- \*Christ 12653, ?NY, marshy bank of Sheep Cr. Lake No. 4 (Sheep Lake), 7/16/41.
- Packard 310, WS, border of Sheep Lake below He Devil Mt., 9,000' (actually Lake elev. is 7,875'), 7/27-28/37.
- St. John and Mullen 8578, WS, boggy shore of Little Granite Cr. Lake (possibly He Devil, Triangle, or small, unnamed lake above Triangle Lake), 8,500', 7/24/27.
- Plus Bingham and Miller Sight Records: north shore of Echo Lake, 7,200', 8/14/81 and on hummocks in shallow water along the east side of Lily Pad Lake, 7,300', 8/11/81.
- Ledum glandulosum* Nutt. var. *glandulosum*, Mountain Labrador Tea.
- Uncommon, central Seven Devils, 7,200-7,400'  $\pm$ .
- Bingham and Miller 241, ID, level, shady, boggy area in the small marsh along the Ruth Lake trail ca. 0.1 mi east of the Lake, 7,200', 8/27/80.
- Christ 12667, ID, margins of Sheep Cr. Lake No. 2 (Shelf Lake), 7/16/41.
- C. Johnson 8/12/83, BKR 2551, Bernard Lakes, 7,200', 8/12/83.
- St. John and Mullen 8591, WS, bank of Lily Pad Lake, 8,000' (lake elev. actually is 7,300'), 7/25/27.
- \*Taylor 1672, WWB, moist bank of Shelf Lake, 7,430', 9/17/67.
- Plus 2 Sight Records by Bingham and Miller (Bernard and Lily Pad Lakes).
- Menziesia ferruginea* Smith var. *glabella* (Gray) Peck, Inland Fools Huckleberry.
- Common, entire Seven Devils and west fork Rapid River, 5,000-7,900'.
- Bingham and Miller 180, ID and WS, under a moderately dense *Pinus contorta*-*Abies lasiocarpa* forest along the Old Boise Trail 101 at the Mirror Lake fork of Bridge Cr., 6,800', 7/18/80.
- \*Christ 8631 & 12733, ?NY, springy places on mountainside, Black Lake, 8/8/37; and on promontories about Sheep Cr. Lake No. 2 (Shelf Lake), 7/17/41; respectively.
- Christ 12581, ID, cliffs in cirque below Seven Devils Lake, 7/13/41.
- C. Johnson 8/12/83, BKR 2556, Bernard Lakes, 7,200', 8/12/83.
- \*Nelson and Nelson 2971, ?RM, Dry Diggins Camp, 8/10-15/38.

- St. John and Mullen 8581, WS, near the head of Little Granite Cr. (prob. in head of the Echo Lake fork), 7,500', 7/24/27.
- Plus 29 Sight Records by Bingham and Miller, C. Johnson, and Steele, including Black Lake and Six Lake Basin areas.
- Phyllodoce empetrififormis* (Sw.) D. Don, Red Mountain-heather.
- Common, central and southern Seven Devils, 7,200-8,400'.
- Baird 7/29/71, Council R.D., at base of snowbank ½ mi north of High Dive, 7,500', 7/29/71.
- Baker 12275, ID, deep coniferous woods, west slope of Heavens Gate, 7/31/54.
- Bingham and Miller 79A, ID, west-facing, rocky, moderately dry opening in an *Abies lasiocarpa*, *Pinus albicaulis* forest in the valley ca. 0.4 mi directly north of the summit of He Devil Mt., 8,300', 7/25/79 (with *P. glandulifera* (Hook.) Cov., below).
- \*Christ 8665, 12464, & 12641, ?NY, in tundra in meadow, Pyramid Peak, 8/8/37; on ridges under *Pinus albicaulis*, Seven Devils Ridge, 7/11/41; and ridge above Sheep Cr. Lake No. 3 (Gem Lake), 7/16/41; respectively.
- Henderson Sight Record, along trail 123 at the small, vernal Pond on the Gem Lake side between Gem and Sheep Lakes (with *E. glandulifera* and hybrid, below), 8,200', 6/5/77.
- \*Nelson and Nelson 2994, ?RM, Dry Diggins Lookout, 8/10-15/38.
- Packard 340, WS, border of the 4th Sheep Cr. Lake (Sheep Lake), 9,000' (actually the lake elev. is 7,875'), 6/27/37.
- St. John and Mullen 8526, WS, alpine meadows, Dry Diggins, 8,000', 7/22/27.
- Steele 939, BOIS, just below Heavens Gate (Lookout), 8,400', 8/8/74.
- Plus 23 Sight Records by Bingham and Miller and C. Johnson.
- X *Phyllodoce intermedia* (Hook.) Camp, Pale Pink Heather (the natural hybrid between Red and Cream Mountain-heather).
- Scarce, central Seven Devils, 8,200' ±.
- Henderson Sight Record, near the small, vernal pond on the Gem Lake side of trail 123 between Gem and Sheep Lakes (occurring with both parents, *P. empetrififormis* and *P. glandulifera*), 8,200', 7/5/77.
- Phyllodoce glandulifera* (Hook.) Cov., Cream Mountain-heather.
- Occasional, central Seven Devils, 8,200-8,500' ±.
- Bingham and Miller 79B, ID, west-facing, rocky, moderately dry opening in an *Abies lasiocarpa*, *Pinus albicaulis* forest in the valley ca. 0.4 mi directly north of the summit of He Devil Mt., 8,300', 7/25/79 (with *P. empetrififormis*, above).
- Henderson Sight Record, near the vernal pool on the Gem Lake side of trail 123 between Gem and Sheep Lakes, 8,200', 7/5/77 (with both *P. empetrififormis* and the hybrid).
- St. John and Mullen 8559, WS, rocky ledge, He Devil Mt., 9,000', 7/24/27.
- Pterospora andromedia* Nutt., Pine Drops.
- Uncommon, northern and central Seven Devils and Rapid River, 5,000-6,400'.
- Bingham and Miller Sight Records: along rd. 1819 ca. 0.1 mi southeast of the Low Saddle spur rd., 5,900', 7/18/81; along rd. 517 near the upper crossing of the south fork of Papoose Cr., 6,400', 8/17/82; and along the west fork Rapid River trail 113 ca. ¼ mi below Oxbow Cr., 4,700', 6/9/82.
- C. Johnson Sight Record, Plot 7030, along trail 110 on the Sawyer - Beartrap Crs. ridge at the bottom of the 1st switchback from the top, 5,600', 8/11/83.
- \*St. John and Mullen 8600, ?WS, rock ridge above Sheep Cr., 7,000', 7/26/27.
- Pyrola asarifolia* Michx. var. *asarifolia*, Alpine Pyrola.
- Frequent, entire Seven Devils, 5,200-7,300'.
- Baird 8/12/71, Council R.D., on Indian Cr. 1 mi below Landore, 5,200', 8/12/71.

\*Baker 12098, ?ID, shady woods 11 mi west of Riggins (prob. along rd. 517), 7/21/54.

Bingham 307 and Bingham and Miller 415 & 437, ID, east-southeast-facing slope in a moderately dense *Abies lasiocarpa*, *Pinus contorta* forest ca. ¼ mi northwest of Crater Lake below trail 101, 6,720', 7/9/81; north-facing, 2/3-shaded rocky hillside in an *Abies lasiocarpa*, *Picea engelmannii*, *Pinus contorta*, *Pseudotsuga menziesii* forest along trail 112 ca. ¼ mi west of its crossing of the west fork of the west fork of Sheep Cr., 6,800', 8/10/81; and east-facing, heavily shaded, rocky slope with a dense *Abies lasiocarpa*, *Picea engelmannii*, *Pinus contorta*, *Alnus sinuata* forest along trail 192 ca. 100' southwest of its jct. with trail 113 ca. 1/3 mi south of Rankin Mill, 6,240', 8/16/81; respectively.

Davis 6/28/40, IDF 83008, Papoose Cr. 8 mi southwest of Riggins (prob. along rd. 517), 6/28/40.

Plus 6 Sight Records by Bingham and Miller and C. Johnson, Caribou Cr. to Ruth Lake, 5,800-7,300'.

*Pyrola minor* L., Snowline Pyrola.

Uncommon, central and southern Seven Devils and west fork Rapid River, 6,000-7,400'.

Bingham and Miller 352, ID, and 422, ID and WS, east-facing slope in a dense *Abies lasiocarpa*, *Picea engelmannii* forest in the bottom of the Mirror Lake fork of Bridge Cr. just above the bench swamp ca. ½ mi east of Mirror Lake, 7,300', 7/26/81; and benchland with an open forest of *Abies lasiocarpa*, *Picea engelmannii*, and *Pinus contorta*, moderately moist, 1/3-shaded, along trail 112 on the plateau at the very head of Bernard Cr. ca. ¼ mi southwest of the jct. of trails 112, 140, and 57 at the Iron Phone, 7,400', 8/10/81; respectively.

\*Christ 8630, ?NY, springy places on mountainside, Black Lake, 8/8/37.

Plus 3 Bingham and Miller Sight Records, along east fork Sheep Cr. trail 58 ca. ½ mi north of trail 112, 6,000', 8/18/82; along rd. 106 ca. 1 mi north of Lockwood Saddle, 6,550', 6/30/82; and along the west fork Rapid River trail 113 ca. ¼ mi above Deep Cr., 4,200', 6/9/82.

?*Pyrola picta* Smith, White-vein Pyrola, (not known for north-central Idaho).

C. Johnson Sight Records: Plot 7022, east of trail 112 along the south fork of Little Granite Cr. ca. 2 mi south of Hibbs Cow Camp, 5,820', 8/11/83; and Plot 7043, west of trail 214 ca. 1¼ mi north of Emerald Lake, 6,440', 8/18/83.

*Pyrola secunda* L. var. *secunda*, Side-bells Pyrola.

Abundant, entire Seven Devils, 5,200-7,600'.

Baird 8/18/71, Council R.D., along rd. 105 ca. 2 mi south of Landore, 5,500', 8/18/71.

Baker 12260, ID, moist woods along Shingle Cr. (along rd. 517), 7/31/54.

Bingham and Miller 163, ID and WS, east-facing, moist stream-bottom with a dense *Abies lasiocarpa*-*Picea engelmannii* forest, in the bottom of Hanson Cr. just below the Old Boise Trail 101, 6,700', 7/17/80.

Plus 41 Sight Records by Bingham and Miller, C. Johnson, and Steele, Wild Horse Butte to just south of Emerald Lake, 5,250-7,600'.

*Pyrola uniflora* L. Single Delight.

Uncommon, central and southern Seven Devils, 6,500-7,200'.

Bingham and Miller 160, east-facing, very moist streambank in a dense *Abies lasiocarpa*, *Picea engelmannii* forest in the bottom of Hanson Cr. just below the Old Boise Trail 101, 6,700', 7/17/80.

Plus 6 Sight Records by Bingham and Miller, and C. Johnson, bottom Bernard Cr. along trail 57, bottom Dog Cr., McGaffee Cow Camp water hole, along trail 113 ca. ½ mi southwest of Rankin Mill, along trail 124 in the Echo Lake

fork of Little Granite Cr., along rd. 112 just south of Rock Cr., 6,500-7,200'.

*Vaccinium globulare* Rydb., Globe Huckleberry.

Uncommon, central and southern Seven Devils, 5,100-7,300'.

\*Nelson and Nelson 2973, ?RM, Dry Diggins Camp, 8/10-15/38.

Steele Sight Records: Stand 72-Pa-26, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,100', 6/12/72; Stand 74-37, above Shingle Cr. on rd. 517, 6,960', 8/8/74; Stand 74-38, below the south fork of Papoose Cr. along rd. 517, 5,800', 8/8/74; and Stands 81-Pa-01A and 01B, along rd. 105 6 mi above Cuprum, 5,550', 6/24/81.

(Apparently there are taxonomic problems between *V. globulare*, generally to the south, and *V. membranaceum* to the north; perhaps the Seven Devils plants are intermediate.)

*Vaccinium membranaceum* Dougl., Thin-leaved Huckleberry.

Abundant, entire Seven Devils and Rapid River, 5,000-7,600' (see discussion under *V. globulare*, above).

Baker 12089, ID, steep rocky banks below Heavens Gate, 7/21/54.

Bingham and Miller 129, ID and WS, east-facing, almost completely shaded streambanks and bottom in a *Picea engelmannii*, *Abies lasiocarpa*, *Pseudotsuga menziesii* stand, just above the Old Boise Trail at Hanson Cr., 6,800', 7/16/80.

\*Christ 8593 & 12695, ?NY, on timbered mountainside 6 mi north of Bear, 8/8/37; and timbered mountainside along Sheep Cr. trail (112), 7/17/41; respectively.

Plus 51 Sight Records by Bingham and Miller and C. Johnson, Big Canyon Saddle south to Lockwood Saddle, 5,000-7,600'.

*Vaccinium ovalifolium* Smith, Oval-leaf Huckleberry.

Scarce, central Seven Devils, 7,300' ±.

\*Nelson and Nelson 2973, ?RM, Dry Diggins Camp, 3-4' high, berries blue, 8/10-15/38.

*Vaccinium scoparium* Leiberg, Grouse Whortleberry.

Abundant, central and southern Seven Devils, 6,200-8,400'.

Bingham and Miller 417, ID and WS, flat, half-open, deep loamy bench under a *Picea engelmannii*, *Pinus contorta*, *Abies lasiocarpa* stand, at the jct. of trails 140, 112, and 57 at the Iron Phone, 7,300', 8/10/81.

\*Christ 8694 & 12680, ?NY, mats under *Abies lasiocarpa*, Black Lake, 8/8/37; and mostly under cover with *Pinus contorta*, Sheep Cr. (prob. along trail 112), 7/17/41; respectively.

Davis 2387, WS, Heavens Gate, 6/28/40.

\*Nelson and Nelson 2972, ?RM, Dry Diggins Camp, 8/10-15/38.

Sharp and McKendrick 9/2/65, IDF 83014, moist woods, Heavens Gate Lookout, 9/2/65.

St. John and Mullen 8468, WS, edge of woods, Dry Diggins, 7/20/27.

Plus 52 Sight Records by Bingham and Miller, C. Johnson, and Steele.

## Fabaceae

*Astragalus arthuri* Jones, Arthur's Milk-vetch.

Scarce, lower Rapid River, 2,200' ±.

Bingham and Miller Sight Record, along the lower Rapid River trail 113 ca. ¼ mi above the Circle C State Fish Hatchery trailhead gate, 2,250', 6/8/82.

*Astragalus canadensis* L. var. *mortonii* (Nutt.) Wats., the variety of Canadian Milk-vetch having both black and white calyx hairs.

Uncommon, entire lower Seven Devils, 5,000-6,800'.

Baker 11996, ID, dry bank of wooded slope along the Seven Devils rd. 5 mi west of Riggins (prob. in Papoose Cr. along rd. 517), ? elev., 9/3/53.

Bingham 551, ID, and Bingham and Miller 592, ID and WS, open, ridgetop grass-forb-sedge stand ca. 150' northeast of the Grave Point Lookout tower, 5,630', 7/21/82; and in a southeast-facing *Pinus contorta*-*Picea engelmannii*-*Abies*

- lasiocarpa* stand along rd. 517 ca.  $\frac{1}{4}$  mi below the north fork of Shingle Cr., 6,850', 8/17/82; respectively.
- \*Christ 8594, ?NY, timbered mountainside 6 mi north of Bear (prob. near the south end of rd. 112), 8/8/37.
- Davis 2397, IDF, moist woods, Papoose Cr. 9 mi southwest of Riggins, (prob. along rd. 517 on McClinery Ridge), 6/28/40.
- Plus 1 Sight Record by C. Johnson.
- Astragalus canadensis* L. var. undet., Canadian Milk-vetch.
- 2 Sight Records by Bingham and Steele.
- \*\**Astragalus cusickii* Gray var. *cusickii*, Cusick's Milk-vetch.
- Rare, central Seven Devils, 5,000'  $\pm$  (recommended for a "State Watch List" of plants rare in Idaho but not threatened unless major changes occur in local land use, cf. Steele and others 1981).
- Meyer 1605, WS, bare, exposed south slope above the east side of Sheep Cr. 3 mi from the Snake River, ? elev., 5/11/39.
- \*\**Astragalus cusickii* Gray var. *flexilipes* Barneby, the 9 to 13 leafleted variety of Cusick's Milk-vetch.
- Rare, central Seven Devils and Rapid River, 5,000'  $\pm$  (recommended for a Federal Watch List" of plants rare in the U.S. and Idaho but not threatened unless major changes occur in local land use, cf. Steele and others 1981).
- Baker 11997 & 12154, ID, dry banks of wooded slope along the Seven Devils rd. 5 mi west of Riggins (prob. along rd. 517 in Papoose Cr.), ? elev., 7/21/54; and White Bird Ridge (off the Little Salmon River), 7/27/54; respectively.
- Bingham and Miller 480, ID and WS, open, southeast-facing, over-grazed and weedy hillside in the *Agropyron spicatum/Celtis reticulata* h.t. ca. 0.1 mi up the lower Rapid River trail 113 from the Circle C State Fish Hatchery trailhead gate, 2,250', 6/8/82.
- Lathyrus nevadensis* Wats. ssp. *cusickii* (Wats.) Hitchc., the subspecies of Nuttall's Pea having bristle-like tendrils and white flowers.
- Scarce, southern Seven Devils, 6,000'  $\pm$ .
- Baird 6/12/72, Council R.D., along Indian Cr. 2 mi above Cuprum, 5,000', 6/12/72.
- Lewis 1290, OGDF, and Lewis 2265, BOIS, OGDF, open coniferous timber near pass north of Horse Mt., 5,000', 6/16/67; and Steele Stand 72-Pa-24, along the Bear-Cuprum rd. 002 at the Bear-Indian Cr. divide, sec. 21, T. 20 N., R. 3 W., 5,790', 6/12/72.
- R. and M. Spellenberg 1753, ID, WS, WTU, under ponderosa pine and Douglas-fir, 5 mi north of Cuprum on the Sheep Rock rd. (106), 6/16/67.
- Lathyrus nevadensis* Wats. ssp. *lanceolatus* (Howell) Hitchc. var. *parkeri* (St. John) Hitchc., the subspecies of Nuttall's Pea with typical tendrils and the variety with white flowers.
- Scarce, northern and southern Seven Devils, 5,000-5,300'.
- Bingham and Miller 503, ID and WS, east-facing, 3/4-open, gravelly rd. cut along rd. 672 ca.  $\frac{1}{4}$  mi northward from China Cr. Saddle, 5,300', 6/10/82.
- Plus Steele Sight Record, Stand 72-Pa-24, along the Bear-Cuprum rd. 002 above Huntley Gulch, 5,000', 6/12/72.
- ?*Lathyrus ochroleucus* Hook., Cream-flowered Pea.
- \*Christ 11062, ?NY, in yellow pine woods near Cuprum, 5/30/40 (but south of its usual north Idaho range, possibly *L. nevadensis*, see above).
- Lathyrus pauciflorus* Fern. ssp. *pauciflorus* var. *utahensis* (M. E. Jones) Peck, the long-flowered subspecies and broad-leaved variety of the Few-flowered Pea.
- Occasional, lower southern Seven Devils, 5,000'  $\pm$ .
- Baird 6/12/72, Council R.D., along Indian Cr. 2 mi above Cuprum, 5,000', 6/12/72.
- Lewis 2262, BOIS, OGDF, along rd. 105 6 mi north of Cuprum, 5,000', 6/12/72.
- Steele 298, BOIS, Steele Stand 72-Pa-26, along rd. 002 at the Bear-Indian Crs. divide, 5,100', 6/12/72.

- Plus Steele Sight Record, Stand 72-Pa-24, along the Bear-Cuprum rd. 002 above Huntley Gulch, 5,000', 6/12/72.
- Lupinus argenteus* Pursh, var. undet., Silvery Lupine.  
Scarce, southern Seven Devils, 5,500-7,100'.  
Holmgren and Tillett 9602, WS, Kinney Point, 7/14/53.  
Steele Sight Record, Stand 81-Pa-01a, along the Indian Cr. rd. 105 ca. 6 mi above Cuprum, 5,550', 6/24/81.
- Lupinus caudatus* Kell., Kellogg Spurred Lupine.  
Common, entire Seven Devils, 5,200-8,400'.  
Baird 6/26/72, Council R.D., 2 mi above rd. 002 at Huntley Gulch, 5,000', 6/26/72.  
Bingham and Miller 439, ID, open grass-forb meadow at Old Town (old mining camp at the jct. of trails 113 and 191 along the west fork of the Rapid River), ½ mi south of Rankin Mill, 6,160', 8/16/61.  
C. Johnson 8/18/83 & 8/20/83, BKR 2487 and 2467, Plot 7040, along the Old Boise Trail 101 ca. 1/8 mi north of Horse Heaven Saddle at the jct. of trails 101, 114, and 124, 7,930', 8/18/83; and Plot 7053, along trail 192 southwest of its jct. with trail 113 northwest of Carbonate Hill, 7,620', 8/20/83; respectively.  
Q. Jones 215, ID and WS, mountain meadow, Heavens Gate, 7/13/50.  
Steele 50, BOIS, Stand 72-Pa-25, Bear-Indian Cr. divide, sec. 28, T. 20 N., R. 3 W., 5,130', 6/12/72.  
Wellner 1685, ID, north of the Lookout on Pollock Mt., 8,050', 8/6/78.
- Plus 29 Sight Records by C. Johnson and Steele.
- Lupinus caudatus* Kell. X ?*L. laxiflorus* Dougl., a possible natural hybrid between the Kellogg Spurred Lupine and the Spurred Lupine.  
Scarce, central Seven Devils, 7,800' ±.  
C. Johnson Sight Record, Plot 7046, south of trail 113 just south of its jct. with trail 192 ca. ½ mi north-northwest of Carbonate Hill, 7,770', 8/20/83.
- Lupinus laxiflorus* Dougl. var. *calcaratus* (Kell.) C. P. Smith, the white-flowered variety of Spurred Lupine.  
Occasional, northern and central Seven Devils, 6,400-8,000'.  
Bingham and Miller 223B & 533A, ID and WS, on moist talus below the rimrock at the upper, west edge of the Horse Heaven Lookout pasture ca. ¼ mi southwest of the lookout cabin, 8,000', 8/25/80 (growing with *L. laxiflorus* v. *laxiflorus*, Bingham and Miller 223A, below); and in an open, southwest-facing, *Pseudotsuga menziesii* forest along rd. 1819 ca. 0.9 mi southwestward from its jct. with rd. 420 at Buckhorn Spring, 6,420', 7/21/82 (growing with *L. laxiflorus* v. *pseudoparviflorus*, Bingham 533B, below); respectively.  
\*Christ 12521, ?NY, open, grassy east slopes, Heavens Gate, 7/12/41.  
\*Nelson and Nelson 2983, ?RM, Horse Heaven, 8/10-15/38 (bicolored white and blue spike).
- Lupinus laxiflorus* Dougl. var. *laxiflorus*, Spurred Lupine.  
Abundant, entire Seven Devils and west fork Rapid River, 5,000-8,400'.  
Aldrich 7/04/07, ID 3106, Camp Howard (prob. the Cow Camp), 5,000', 7/04/07.  
Baker 12008, ID, open alpine slopes, Seven Devils Camp, 7/21/54.  
Bingham and Miller 223A, ID and WS, in moist talus below the rimrock at the upper west edge of the Horse Heaven Lookout pasture ca. ¼ mi southwest of the lookout cabin (growing with Bingham and Miller 223B *L. laxiflorus* v. *calcaratus*, above), 8,000', 8/25/80.  
Davis 2529, WS, Smith Mt. Lookout, 7/3/40.  
Hermann 12034, WS, ?NA, and 12045, WS, ?NA, ?US, vicinity of Cold Springs Lookout, 6,900', 8/6/55; and 11.5 mi southwest of Riggins above Shingle Cr. (prob. along rd. 517), 8/6/55; respectively.  
Kruckeberg 3186, WS, WTU, clearings and swales on north-facing wooded slopes at saddle at end of Seven Devils rd. (Wind Saddle at the, then, end of rd. 517) 18 mi west of Riggins, 7,500', 7/30/52.



Tisdale 7/16/79, IDF 81143, northwest slope of Bald Mt., near plot 93 2 mi north of Heavens Gate Lookout, 7,600-7,800', 7/16/79.

Plus 34 Sight Records by Bingham and Miller.

*Lupinus laxiflorus* Dougl. var. *pseudoparviflorus* (Rydb.) Smith and St. John, the lower elevation variety of Spurred Lupine, with glabrous upperleaves and smaller-blue-flowers.

Uncommon, entire Seven Devils, 5,700-8,000'.

Baker 11311, ID, Sheep Rock, Hells Canyon, 9/3/53.

Bingham 533B, ID and WS, open, southwest-facing Douglas-fir forest along rd. 1819 ca. 0.9 mi southwestward from Buckhorn Spring at the jct. of rds. 1819 and 420, 6,420', 7/21/82 (growing with *L. laxiflorus* v. *calcaratus*, Bingham 533A, above).

\*Christ 8644, 12533, & 12548, ?NY, in timber surrounding Black Lake, 8/8/37; open east slopes, Heavens Gate, elev. ca. 8,000', 7/12/41; and rocky crest of divide, Heavens Gate, 7/12/41; respectively.

\*Hermann 12051, ?NA, 1 mi below Shingle Cr. (prob. along rd. 517), 6,000', 8/7/55.

Packard 436 & 560, WS, trail from Hibbs Cow Camp to "the Swamps" (prob. the abandoned cutoff trail that crosses the "swamps" and joins trail 112 northeast of Hibbs Cow Camp), 7,900' (prob. nearer 7,300'), 7/27/38; and wooded slope on ridge northeast of Sheep Cr. 2,500' above the rim (prob. rim of Snake River Canyon), 5/12/39; respectively.

St. John and Mullen 8433, WS, McGaffee Cow Camp, 7/19/27.

*Lupinus leucophyllus* Dougl. var. undet., Velvet Lupine.

Common, entire Seven Devils, 5,200-7,900'.

Baker 11995 & 12153, ID, dry banks, wooded slope 5 mi west of Riggins (prob. along rd. 517 in Papoose Cr.), ? elev., 7/21/54; and dry hillsides, White Bird Ridge (off Little Salmon River), ?elev., 7/27/54; respectively.

Bingham and Miller 119, ID and WS, along the Cannon-Hanson Crs. ridge ca. ½ mi west of the Old Boise Trail 101, 7,600', 7/15/80.

Brewer 78, Council R.D., Smith Mt., sec. 25, T. 21 N., R. 2 W., 7,800', 8/17/29.

Plus 17 Sight Records by Bingham and Miller, Sawpit Saddle to head of Deep Cr., 5,050-7,900'.

*Lupinus sericeus* Pursh var. *sericeus*, Silky Lupine.

Uncommon, entire Seven Devils, 5,600-7,800'.

Baker 12057 & 12087, ID, steep rocky bank below Heavens Gate, 7/21/54; and open alpine slopes, Seven Devils Camp, 7/21/54; respectively.

Baird 9/8/71, Council R.D., open area at Towsley Spring, 7,000', 9/8/71.

Bingham 550, ID and WS, open grass-forb stand on rocky ridgetop, Grave Point Lookout, 5,630', 7/21/82.

M. E. Jones 26583, ? Herb., Seven Devils Mts., Washington Co., Idaho, 6,000', 8/5/1899 (cf. Hitchcock and others, Part 3, page 277, 1961 and Smith, 1951, page 691. There was no Adams Co. in 1899, only Washington and Idaho Counties).

Plus 5 Sight Records by C. Johnson, southeast of Haas Lake along the Old Boise Trail 101 to the head of Deep Cr. off rd. 112, 6,900-7,350'.

*Lupinus sericeus* Pursh var. undet., Silky Lupine.

\*Christ 8612 & 12525, ?NY, gravelly mountainside, Smith Mt. rd., 8/8/37; and open east slope, Heavens Gate, 7,500', 7/12/41; respectively.

LaZelle 11, ID, ½ mi east of Seven Devils Campground, 8/29/63.

\*Packard 268, ?WS, open flat on Timbered Bench, 6,000', 6/20/37.

\*St. John and Mullen 8605, ?WS, Sheep Cr. (along trail 110), 7/26/27.

Plus 4 Sight Records by Bingham and Miller, C. Johnson, and Tisdale.

- Medicago lupulina* L., Hop Clover (European introduction).  
Scarce (mostly from lower elevs.), central Seven Devils, 5,000' ±.  
Bingham and Miller 583, ID, in the roadbed of rd. 517 ca. ¼ mi above its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.
- Medicago sativa* L., Alfalfa (escaped European agricultural plant).  
Scarce, Rapid River only, 2,200-3,300'.  
Bingham and Miller Sight Records: along the lower Rapid River trail 113 ca. ¼ mi above the Circle C State Fish Hatchery trailhead gate, 2,300', 6/8/82; and along the west fork Rapid River trail 113 ca. 1½ mi above the main River forks in sec. 26, 3,300', 6/9/82.
- Melilotus alba* Desr., White Sweet-clover (Eurasian introduction).  
Scarce (mostly at low elevs.), Rapid River only, 2,200' ±.  
Bingham and Miller Sight Record, along the lower Rapid River trail 113 just above the Circle C State Fish Hatchery trailhead gate, 2,200', 6/8/82.
- Thermopsis montana* Nutt. var. *ovata* (Robins.) St. John, the Rocky Mountain variety of Golden Pea.  
Frequent, northern and southern Seven Devils, 5,000-6,500'.  
Bingham and Miller Sight Records: vicinities of Buckhorn Spring, 6,450'; Cow Cr. Saddle, 5,300'; Big Canyon Saddle, 4,800'; Low Saddle, 6,100'; Sawpit Saddle, 5,200'; and rd. 672 north of Cow Cr. Saddle, 5,200'.  
C. Johnson Sight Records: Plot 784, along rd. 2060 ¼ mi east of Kirkwood Cr., 5,220'; and Plot 790, along rd. 2060 just east of Kirkwood Cr., 5,300'.  
\*Hermann 12042, ?NA, ?US, edges of Douglas-fir woods on rd. near Cold Springs Lookout (rd. 1819), 6,800', 8/6/55.  
Packard 581, WS, partly shaded dray 3½ mi up the Clark's fork of Sheep Cr. near Stormy Point, 5/13/37.  
Steele Sight Records: 2 stands (81-Pa-01A and B) along the Indian Cr. rd. 6 mi above Cuprum, 5,550'.
- Trifolium eriocephalum* Nutt. var. *piperi* Martin, the round-leaved variety of Woolly-head Clover.  
Occasional, central Seven Devils, 7,200-7,300' ±.  
Christ 12727, ID, edges of marsh, Sheep Cr. Swamp, 7/17/41.  
Ownbey and Meyer 2094, WS, dry, gravelly meadow, Hibbs Cow Camp, 6/26/40.  
Packard 318, WS, swampy, alpine meadow near "The Swamps", near Lily Pad Lake, 6/28/37.  
St. John and Mullen 8494, WS, moist meadow, Dry Diggins, 7,200', 7/20/27.
- Trifolium latifolium* (Hook.) Greene, Twin Clover.  
Uncommon, northern and central Seven Devils, 5,000-6,800'.  
Aldrich 7/04/07, ID 3214, Camp Howard (prob. the Cow Camp), 5,000', 7/04/07.  
Baker 12001, ID, moist grassy bank, wooded slope, 9 mi west of Riggins (along rd. 517 on McClinery Ridge), 7/21/54.  
\*Hermann 12041, ?NA, ?US, white fir slope near Cold Springs Lookout, 6,800', 8/6/55.  
Packard 224, WS, under open pine stand, Timbered Bench above Little Granite Cr., 5/15/37.  
Peters 133, WS, moist sandy soil under conifers near McGaffee Cow Camp on the summit of the Bernard-Sheep Crs. ridge, 5,000', 5/16/36.  
Plus 1 Steele Sight Record, Stand 74-38, below the south fork of Papoose Cr. on rd. 517, 5,800', 8/8/74.
- Trifolium longipes* Nutt. var. *reflexum* Nels., the white- and reflexed-flowered variety of Long-stalked Clover.  
Common, entire Seven Devils, 5,500-8,000'.  
Bingham 277, ID and WS, northeast-facing, moderately moist, half-shaded, rocky hillside in a *Pseudotsuga menziesii* stand, along rd. 2060 ca. 0.8 mi northwards from Meyer Cr., 5,480', 7/8/81.  
Henderson 3852, ID, along the Sheep Cr. Lakes trail 123 between Sheep and Shelf Lakes, 7/5/77.

- Plus 23 Sight Records by Bingham and Miller and C. Johnson, Big Canyon Saddle to Black Lake, 5,000-8,000'.
- Trifolium macrocephalum* (Pursh) Poirét, Big-head Clover.  
Scarce, northern Seven Devils, 5,200' ±.  
Lewis 2269, BOIS, OGDF, near Steele Stand 72-Pa-25, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, sec. 21, T. 20 N., R. 3 W., 5,730', 6/12/72.  
C. Johnson Sight Record, Plot 789, along rd. 2060 ¼ mi east of Kirkwood Cr., 5,220', 6/29/82.
- Trifolium pratense* L., Cultivated Red Clover (European introduction).  
Occasional, central Seven Devils, 5,900-7,300'.  
Bingham and Miller 599, ID and WS, north-facing, half-open, rocky hillside in an *Abies grandis*-*Pseudotsuga menziesii* forest of the *Abies grandis*/*Pachistima myrsinites* h.t. along trail 58 ca. 1¼ mi north of trail 112, 5,900', 8/18/82.  
Bingham and Miller Sight Records: along the Old Boise Trail ca. ½ mi north of Hanson Cr., 6,800', 7/27/81; and along trail 112 ca. ¼ mi southwest of its jct. with trails 140 and 57, 7,300', 8/10/81.
- Trifolium repens* L., White Clover (European introduction).  
Uncommon, northern and central Seven Devils and Rapid River, 5,000-7,300'.  
Bingham and Miller 574, ID and WS, gently west-facing open, gravelly roadbed along rd. 517 ca. ¼ mi above its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.  
Bingham and Miller Sight Records: along trail 104 ca. 0.1 mi east of Big Canyon Saddle, 4,900', 6/11/82; along trail 140 ca. 1 mi north of trail 112, 7,300', 8/12/81; along the east fork Sheep Cr. trail 58 ca. 1¼ mi north of trail 112, 5,900', 8/18/82; at the Circle C State Fish Hatchery trail 113 gate, 2,200', 6/8/82; along trail 192 ca. ¾ mi east of the jct. of trails 189 and 192, 6,600', 8/16/81; along trail 124 between the Echo Lake fork and the south fork of Little Granite Cr., 6,700', 8/14/81; and along the west fork Rapid River trail 113 ca. ¼ mi east of Cottonwood Cr., 3,500', 6/8/82.
- Vicia americana* Muhl. var. *truncata* (Nutt.) Brew., the glabrous variety of American Vetch.  
Occasional, entire Seven Devils, 5,000-6,200'.  
Bingham and Miller 440, ID, east-facing, gently sloping, moderately moist grass-forb meadow bordering an *Abies lasiocarpa*, *Picea engelmannii*, *Pinus contorta* forest at Old Town at the jct. of trails 113 and 191, 6,160', 8/16/81.  
Bingham and Miller Sight Record, along rd. 672 ca. ¾ mi north-east of Cow Cr. Saddle, 5,200', 6/10/82.  
Lewis 2276, BOIS, OGDF, Steele Stand 72-Pa-26, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, sec. 21, T. 20 N., R. 3 W., 5,730', 6/12/72.  
Steele 113, BOIS, Stand 72-Pa-26, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,100', 6/12/72.

## Fumariaceae

- Dicentra cucullaria* (L.) Bernh.  
Scarce, southern Seven Devils, 5,000' ±.  
Lewis 1288, OGDF, open, bare slope, pass just north of Horse Mt., 5,000', 6/16/67.

## Gentianaceae

- Frasera albicaulis* Dougl. var. *albicaulis*, the pubescent variety of the White-stemmed *Frasera*.  
Uncommon, northern Seven Devils and Rapid River, 5,000-6,800'.  
Bingham 303, ID and WS, southwest-facing, open, rocky hillside grassland along rd. 1819 ca. 1/3 mi east of Cold Springs Cow Camp, 6,800', 7/10/81.  
 Plus 6 Sight Records by Bingham and Miller, C. Johnson, and

Tisdale, Big Canyon Saddle and Motthorn Saddle to Caribou Cr. and Cold Springs Cow Camp, 5,000-6,700'; also Rapid River.

*Frasera albicaulis* Dougl. var. *cusickii* (Gray) Hitchc., the glabrous and more or less petaloid crown-scaled Cusick's *Frasera*.

Scarce, southern Seven Devils, 5,000' ±.

\*Christ 11073, ?NY, mountainside in Snake River Gorge west of Cuprum, 5/30/40.

\*\**Frasera albicaulis* Dougl. var. *idahoensis* (St. John) Hitchc., the glabrous and lacerate crown-scaled variety of the White-stemmed *Frasera*.

Rare, southern Seven Devils, 5,000-6,600' (recommended for a "Federal Watch List" of plants rare in the U.S. and Idaho, but not threatened unless marked changes in local land use occur [cf. Steele and others 1981]).

Baird 6/26/71, Council R.D., 1 mi above rd. 002 on Huntley Gulch, 5,000', 6/26/71.

Bingham and Miller 606 & 613, ID and WS, open, south-facing, subalpine grassland along the west or uphill side of the Horse Mt. rd. 108 ca. 0.5 mi south of Lockwood Saddle, 6,600', 7/27/83; and open, southeast-facing grass-forb stand on a rocky hillside west of and above the Black Lake rd. 112 ca. 1½ mi northwards from its jct. with rd. 105, 5,850', 7/28/83 (an almost white form); respectively.

Cusick 2226, WS, dry, stony hills near Cuprum, ? elev., 7/10/99? (an isotype specimen recognized by the author at WS).

Lewis 2277, BOIS, OGDf, near Steele stand 72-Pa-26 along the Cuprum rd. 105, sec. 21, T. 20 N., R. 3 W., 5,730', 6/12/72 (apparently another white variant, since initially identified as *Frasera montana* Mulford).

Steele 896, BOIS, basalt scabland, Cuprum-Fruitvale rd. 127, sec. 11, T. 19 N., R. 2 W., 5,750', 6/27/74.

Steele Sight Record, Stand 72-Pa-25, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,130', 6/12/72 (also originally identified as *F. montana*).

?*Frasera montana* Mulford, White *Frasera*.

\*Christ 8605, ?NY, high, open mountainside, Smith Mt., 8/8/37 (this is the only Seven Devils collection of this taxon; it's suspect because of the three collections of a white variant of *F. albicaulis* var. *idahoensis*, from the same general locality, as noted above).

*Frasera speciosa* Dougl., Giant *Frasera*.

Scarce (mostly at lower elevs.), central Seven Devils, 7,000' minus.

St. John and Mullen 8594, rocky ridge on Sheep Cr., 7,000' (prob. along trail 110 on or near the Snake-Salmon Rivers divide), 7/26/27.

*Gentiana calycosa* Griseb. var. *obtusiloba* (Rydb.) Hitchc., the large calyx-lobed variety of the Mountain Bog Gentian.

Frequent, central and southern Seven Devils, 6,900-8,300'.

Bingham and Miller 31, 77, & 234, ID, boggy flat at the head of the pond at the northeast side of Sheep Lake near the foot of the Goat Pass manway, 7,885', 7/22/79; open, subalpine sedge-forb meadow in the valley ca. ½ mi directly north of the summit of He Devil Mt., 8,300', 7/25/79; and in small, shady bog along the Ruth Lake trail ca. 0.1 mi east of the Lake, 7,200', 8/27/80; respectively.

\*Christ 8652 & 12636, ?NY, in timber in cirque on Pyramid Peak, 8/8/37; and marshy banks of Baldy Lake, 7/15/41; respectively.

\*St. John and Mullen 8573, ?WS, creek bank, Little Granite Cr. (prob. in the head of the Echo Lake fork), 8,500', 7/24/27.

Taylor 1668 & 1669, WWB, Shelf Lake area, 7,440' +, 9/17/67; and near Sheep Lake, 7,875' +, 9/17/67; respectively.

Plus 9 Sight Records by Bingham and Miller, Bernard Lakes to Six Lake Basin, 6,950-8,000'.

## Geraniaceae

- Erodium cicutarium* (L.) L'Her., Crane's Bill (European introduction).  
Occasional (mostly at lower elevs.), entire Seven Devils and Rapid River, 5,000-5,300'.  
Bingham and Miller Sight Records: along rd. 420 ca. ½ mi south of Cow Cr. Saddle, 5,250', 6/10/82; at the lower Rapid River trail 113 trailhead gate at the upper end of the Circle C State Fish Hatchery, 2,200', 6/8/82; and along the west fork Rapid River trail 113 in the McCrea Place pasture, 4,000', 6/9/82.
- Geranium pusillum* Burnm., Small-flowered Cranesbill (European introduction).  
Scarce (mostly at lower elevs.), northern Seven Devils and Rapid River, 5,000' ±.  
Bingham 298, ID, on an open, rocky ridge in a *Festuca idahoensis*/*Koeleria cristata* h.t. at Sawpit Saddle, 5,050', 7/8/81.  
Bingham and Miller Sight Record, along the lower Rapid River trail 113 near Blue Gulch, 2,600', 6/8/82.
- Geranium viscosissimum* Fisch. and Mey. var. *nervosum* (Rydb.) Hitchc., the glabrous-stemmed variety of the Western Geranium.  
Scarce, southern Seven Devils, 5,800' ±.  
Bingham and Miller 518, ID and WS, grass-forb-sedge meadow in an open *Pinus ponderosa*, *Pseudotsuga menziesii*, *Abies grandis*, *Larix occidentalis* forest along Black Lake rd. 112 ca. 1½ mi south of Placer Basin, 5,850', 6/30/82.
- Geranium viscosissimum* Fisch. and Mey. var. *viscosissimum*, Sticky Purple Geranium.  
Scarce (mostly at lower elevs.), northern Seven Devils, 5,000-5,300'.  
Bingham 531, ID and WS, shrubby opening in a *Pseudotsuga menziesii*-*Physocarpus malvaceus* on a southeast-facing slope, along rd. 672 ca. ½ mi south of China Saddle, 5,300', 7/21/82.  
Bingham and Miller Sight Record, along rd. 420 ca. ½ mi south of Cow Cr. Saddle, 5,300', 6/10/82.

## Grossulariaceae

- Ribes cereum* Dougl. var. *cereum*, Squaw Currant.  
Scarce, Rapid River only, 2,800' ±.  
Bingham and Miller Sight Record, along the west fork Rapid River trail 113 ca. ¼ mi west of the main forks in sec. 26, 2,800', 6/8/82.
- Ribes cereum* Dougl. var. *colubrinum* Hitchc., Snake River Squaw Currant.  
Occasional, northern and central Seven Devils, 5,000-6,000'.  
Bingham and Miller 566, ID and WS, in a *Pseudotsuga menziesii*-*Pinus ponderosa* stand in a small saddle along rd. 517 ca. 0.3 mi up the rd. from its 2d crossing of Papoose Cr. in sec. 26, 4,700', 8/17/82.  
Comstock 109, WS, near ridge between Sheep and Lightning Crs., 6,000', 5/12/39.  
C. Johnson 5/25/82, BKR 2207, Plot 720, above trail 104 ca. ½ mi northwest of Motthorn Saddle, 5,100', 5/25/82.  
Packard 5/36, WS 107861, high rocky slope near head of north fork Bernard Cr., McGaffee Cow Camp, 5/36.
- Ribes cereum* Dougl. var. *inebrians* (Lindl.) Hitchc., the variety of Squaw Currant having acute floral bracts and pubescent-glandular calyces.  
Uncommon, central Seven Devils, 7,200-8,400'.  
Baker 12040, ID, open alpine slope, Seven Devils Camp, 7/21/54.  
Bingham and Miller 106 & 242, ID and WS, and 426, ID, open, south-facing, steep slope with a deep, moderately moist soil and an open *Pinus contorta* forest ca. 0.1 mi north of Seven Devils Guard Station, 7,250', 7/14/80; southwest-facing, ¾-open, rocky slope with a grass-forb stand under scattered *Pseudotsuga menziesii* trees, ca. 0.1 mi northwest of Stevens Saddle along trail 192, 7,600', 8/27/80; and open, bedrock ridgetop with a scattered, sub-alpine forb stand mostly in rock crevices, ca. 50' south

- of Dry Diggins Lookout, 7,825', 8/11/81; respectively.  
 Q. Jones 224, ID and WS, Heavens Gate Lookout, 8/13/50.
- Ribes cereum* Dougl. var. undet. (but not var. *cereum*), Squaw Currant.  
 Brewer 33, Council R.D., Patrolman Cr. (small creek north of Jackley Mt.) sec. 1, T. 22 N., R. 3 (prob. 3) W., 6,000', 8/30/28.  
 Plus 11 Sight Records by Bingham and Miller, C. Johnson, and Steele, from Camp Howard Triangulation Station south to the Bear-Indian Crs. divide, 5,100-7,500'.
- Ribes hudsonianum* Richards. var. *petiolare* (Dougl.) Jancz., the glabrous variety of Stinking Currant.  
 Frequent, entire Seven Devils and west fork Rapid River, 5,000-7,200'.  
Bingham and Miller 248, ID and WS, in the bottom of the northernmost Ruth Cr. along trail 189, the first trail north of the Ruth Cr. trail, 6,800', 8/27/80 (heavily infected with *Cronartium ribicola* J. C. Fisch. ex. Rabenh.).  
Packard 297, WS, near the head of the north fork of Little Granite Cr. below Hibbs Cow Camp, 7,000', 6/26/37.  
 Plus 12 Sight Records by Bingham and Miller, Meyer Cr. along rd. 2060 to 2 mi north of Lockwood Saddle along rd. 106, plus McCrea Place and Rankin Mill along the west fork Rapid River, 5,750-7,200'.
- Ribes lacustre* (Pers.) Poir., Prickly Currant.  
 Abundant, entire Seven Devils and Rapid River, 5,000-7,800'.  
Bingham and Miller 110, ID and WS, east-facing, dry, rocky streambottom ca. 0.1 mi northwest of the Seven Devils Guard Station at the head of the north fork of Bridge Cr., 7,250', 7/14/80.  
 \*Christ 8628, 8690, & 12687, ?NY, springy places on mountainside, Black Lake, 8/8/37; under cliffs on high ridges near Black Lake, 8/8/37; and at trail crossing (trail 112) in the bottom of Sheep Cr. (prob. the west fork) 7/17/41; respectively.  
 Christ 12608, ID, rocky promontory in Sheep Cr. Lake No. 2 (Shelf Lake), 7/14/41.  
 C. Johnson 6/29/82, BKR 2218, Plot 790, above rd. 2060 ca. 1/20 mi east of Kirkwood Cr., 5,300', 6/29/82.  
 \*Nelson and Nelson 2974, ?RM, Dry Diggins Camp, 8/10-15/38.  
 Plus 40 Sight Records by Bingham and Miller, and C. Johnson, Wild Horse Butte and Big Canyon Saddle to Lockwood Saddle, 5,000-7,300'.
- Ribes montigenum* McClatchie, Alpine Prickly Currant.  
 Common, central and southern Seven Devils, 7,000-9,300'.  
Baker 12291, ID, rocky mountain slope west of Seven Devils Camp, 7/31/54.  
Bingham and Miller 17 & 100, ID, and 219, ID and WS, west-facing slope in an opening in a *Abies lasiocarpa*-*Pinus albicaulis* forest, protected by boulders, 40% shaded, ca. 300' west of the Snake-Salmon Rivers divide and 0.1 mi southwest of Heavens Gate Lookout, 8,350', 7/21/79; bedrock crevices in the 1st small saddle south of the summit of He Devil Mt., 9,300', 7/26/79; and cliff crevices along the west side of the Horse Heaven Lookout pasture ca. 1/4 mi southwest of the Lookout cabin, 8,000', 8/25/80; respectively.  
 Christ 12481, ID and WS, slopes, ridges, and crags, Seven Devils Ridge, 7/11/41.  
 C. Johnson 8/20/83, BKR 2471, Plot 7046, south of the jct. of trails 113 and 192 ca. 1/4 mi north of Carbonate Hill, *Pinus albicaulis*/*Polemonium pulcherrimum* community, 7,770', 8/20/83.  
 \*Nelson and Nelson 3009, ?RM, top of He Devil, 8/10-15/38.  
 St. John and Mullen 8474 & 8496, WS, gravel ridge, head of Bernard Cr., Dry Diggins, 7,000', 7/20/27; and rocky crest of ridge, Dry Diggins, 7,500', 7/20/27; respectively.  
 Taylor 1670, WWB, talus slope above Gem Lake, 7,760' +, 9/17/67.

- Plus 20 Sight Records by Bingham and Miller, C. Johnson, and Wellner (including Pollock Mt.).
- Ribes niveum* Lindl., Snow Gooseberry.  
Uncommon (mostly at lower elevs.), northern and central Seven Devils and Rapid River, 5,000-6,200'.  
Bingham and Miller Sight Records, Big Canyon Saddle to Rankin Mill, 5,000-6,200'; and lower and west fork of Rapid River, 2,200-3,600'.
- Ribes setosum* Lindl., Missouri Gooseberry.  
Scarce, vicinity Motthorn Saddle in northern Seven Devils, 5,100' ±.  
C. Johnson 5/25/82, BKR 2206, Plot 720, above trail 104 ca. ½ mi northwest of Motthorn Saddle, 5,100', 5/25/82.
- Ribes velutinum* Greene var. *gooddingii* (Peck) Hitchc., Goodding's Gooseberry.  
Occasional, northern Seven Devils and Rapid River, 5,000' minus.  
Bingham 471, ID and WS, northeast-facing, open clearcut in a *Pinus ponderosa*, *Pseudotsuga menziesii*, *Abies grandis* stand in the 1st saddle southeast of Motthorn Saddle ca. ¾ mi north-northwest of Pittsburg Saddle, 4,500', 5/25/82 (located very close to BKR 2206, *R. setosum*, above, but keys to *R. velutinum* v. *gooddingii*).  
Bingham and Miller Sight Records, along the lower Rapid River trail 113 ca. 1.0 mi above Blue Gulch, 2,500', 6/8/82; and along the west fork Rapid River trail 113 just west of the main forks in sec. 26, 2,800', 6/8/82.
- Ribes viscosissimum* Pursh var. *viscosissimum*, Sticky Currant.  
Abundant, entire Seven Devils and west fork Rapid River, 5,000-7,600'.  
Bingham and Miller 190, ID and WS, northeast-facing ½-shaded, rocky slope in an open *Pseudotsuga menziesii* forest bordering a snowslide area, ca. 1/2-¾ mi north of Hanson Cr. along the Old Boise Trail 101, 6,800', 7/18/80.  
\*Christ 8596 & 12690, ?NY, timbered mountainside 6 mi north of Bear, 8/8/37; and open mountainside along Sheep Cr. trail (112), 7/17/41.  
Comstock 107, WS, near peak of ridge between Sheep and Lightning Crs., 6,000', 5/12/39.  
St. John and Mullen 8391, WS, Bernard-Sheep Cr. divide, McGaffee Cow Camp, 5,400', 7/17/27.  
 Plus 36 Sight Records by Bingham and Miller, C. Johnson, and Steele, Big Canyon Saddle south to Landore, 5,000-7,600'.
- \*\**Ribes wolffi*** Rothrock, Rothrock's Currant.  
Rare, northern Seven Devils, 5,400-6,650' (recommended for a "State Watch List" of plants rare in Idaho but not threatened without major changes in present land use, cf. Steele and others 1981). Aside from the two collections of Bingham and Miller and St. John and Mullen, below, this normally southwestern (Utah, Colo., Ariz., N.Mex.) species is known from this region only from the vicinity of the Wenatchee Guard Station, Umatilla National Forest, southwest of Asotin, Wash. (cf. Hitchcock and Muhlick 21817, WTU), from Enos Lake in Valley Co., Idaho (cf. B. Ertter 477-3, CIT); and from along the Imnaha to Hat Point Road in Wallowa Co., Oreg. (cf. Rogers and Guilkey 6/40, OSC 69972).  
Bingham 306, ID, IDF, and WS, along both sides of rd. 1819 from just west of Cold Springs Cow Camp to about 1 mi eastward, mostly open, southwest-northwest-facing rocky hillsides in a scattered *Abies lasiocarpa*-*Pinus contorta* forest, soil prob. of basaltic origin, 6,650', 8/12/81. (The population is a large one, possibly 500-1,000 plus plants. It does not seem to be suffering from domestic grazing; it's on a sheep driveway of 50 years or more use.)  
St. John and Mullen 8390, WS, McGaffee Cow Camp in the head of the north fork of Bernard Cr., 5,400', 7/17/27. (This population, or another nearby, along trail 140 ca. 1/3 mi south of the jct. of trails 140 and 110 along the Bernard-Sheep Crs. divide, 6,650', composed of several plants, was seen 8/12/81 by Bingham and Miller. The

elev. and date of St. John's collection, however, indicates it is further down the ridge).

## Hydrangeaceae

*Philadelphus lewisii* Pursh, Mock Orange.

Occasional (mostly at lower elevs.), northern Seven Devils and Rapid River, 5,000-5,300'.

Bingham and Miller Sight Records: along the lower Rapid River trail 113 at the Circle C State Fish Hatchery, 2,200', 6/8/82; along rd. 2060 ca. ½ mi south of Sawpit Saddle, 5,300', 7/8/81; along rd. 672 ca. 1/3 mi north of Cow Cr. Saddle, 5,200'; and along the west fork Rapid River trail 113 just north of the main forks in sec. 26, 2,800', 6/9/82.

## Hydrophyllaceae

*Hesperochiron pumilus* (Griseb.) Porter, Dwarf Hesperochiron.

Scarce, northern Seven Devils, 5,200' ±.

Bingham and Miller 502, ID and WS, open grass-sagebrush slope near basalt rock ridgetop, along rd., 420 ca. 0.1 mi south of Cow Cr. Saddle, 5,240', 6/10/82.

*Hydrophyllum capitatum* Dougl. var. *capitatum*, Waterleaf.

Frequent, entire Seven Devils, 5,000-7,800'.

Bingham and Miller 130, ID and WS, southeast-facing, open to partly shaded rocky slope in open Engelmann spruce-subalpine fir forest, ca. ¼ mi down the Dog Lake manway from the Lake, 7,800', 7/16/80.

Brewer 8, Council R.D., Sheep Rock (actually Sheep Peak or Mt.) on Big (?Barber) Flat, 4,000' (but the Peak is 5,257'), 5/9/28.

Moore 78, WS, Bernard Cr. trail (110), 3 mi from Snake River, 6,000', 5/16/36.

Ownbey and Meyer 2072, WS, dry rock slopes in open *Pseudotsuga menziesii* forest, headwaters Sheep Cr., 6/26/40.

Packard 288, WS, open, yellow pine stand, Little Granite Cr. across from Willow Hill, 5,900', 6/26/37.

Plus 12 Sight Records by Bingham and Miller, C. Johnson and Steele, Big Canyon Saddle to Landore, 5,100-7,700'.

*Hydrophyllum fendleri* (Gray) Heller var. *fendleri*, Fendler's Waterleaf.

Scarce, Rapid River only, 2,400-3,200'.

Bingham and Miller 489, ID and WS, northwest-facing, 3/4-shaded, stabilized talus slope in an open, riparian Douglas-fir-*Acer glabrum*-*Betula occidentalis* forest, along the lower Rapid River trail 113 ca. 0.1 mi above Blue Gulch, 2,400', 6/8/82.

Plus 1 Sight Record by Bingham and Miller, along the west fork Rapid River trail 113 ca. 1 mi west of the main forks (in sec. 26), 3,200', 6/9/82.

*Nemophila kirtleyi* Hend., Snake River Canyon Nemophila.

Occasional, northern Seven Devils and Rapid River, 5,000' minus.

Bingham and Miller 474, ID, west-facing, ½-open, trailside cutbanks in a moderately dense bottomland conifer forest of the *Pseudotsuga menziesii*/*Physocarpus malvaceus*, along the lower Rapid River trail 113 opposite the mouth of Blue Gulch, 2,400', 6/8/82.

Bingham and Miller Sight Records: along the stock-drive portion of trail 104 ca. ½ mi east of Big Canyon Saddle, 4,600', 6/11/82; along the Old Boise Trail 101 ca. ½ mi south of its jct. with rd. 1819 southeast of Cold Springs Lookout, 6,800', 7/9/81; and along the west fork of the Rapid River trail 113 ca. 0.2 mi down the trail from its jct. with trail 62, 4,680', 6/9/82.

*Nemophila parviflora* Dougl. var. *austiniiae* (Eastw.) Brand, the variety of the Small-flowered Nemophila having shallowly cleft leaves.

Occasional, central and southern Seven Devils, 5,000-6,800'.

Bingham and Miller 188, ID, east-facing, 2/3-shaded, moderately dry and under a brush canopy in an open *Pseudotsuga menziesii* forest along the Old Boise Trail 101 ca.



- 1/2-3/4 mi north of Hanson Cr., 6,800', 7/18/80.  
Steele Sight Records: Stand 72-Pa-25, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,130', 6/12/72; and Stand 72-Pa-26, same locality as above, 5,100', 6/12/72.
- Phacelia hastata* Dougl. var. *alpina* (Rydb.) Cronq., the lavender-flowered, subalpine variety of the Silverleaf Phacelia.  
Uncommon, central Seven Devils, 7,200-8,800'.  
Bingham and Miller 51 & 412, ID, west-facing, open, loose and large talus rock (4"-12"), ca. 1/4 mi southeast of Sheep Lake on the long talus slope leading to the Tower-of-Babel - She Devil Mt. saddle, 8,500', 7/23/79; and west-facing, open, rocky slope in an open *Abies lasiocarpa*-*Pinus albicaulis* forest, along trail 112 ca. 1/4 mi westward from the summit between the forks of Sheep Cr., 7,800', 8/10/81; respectively.  
 \*Nelson and Nelson 2991, ?RM, Horse Heaven, 8/10-15/38.  
St. John and Mullen 8540, WS, rockslides on He Devil Mt., 8,800', 7/24/27.  
 Plus 5 Sight Records by Bingham and Miller, Echo Lakes trail 129 to Stevens Saddle, 7,200-7,600'.
- Phacelia hastata* Dougl. var. intermediate between *alpina* (Rydb.) Cronq. and *leptosepala* (Rydb.) Cronq. (a white-flowered variety).  
Scarce, central Seven Devils, 6,500-7,700'.  
C. Johnson Sight Records: Plot 7048, above trail 113 ca. 1/4 mi north of trail 192 and ca. 1/3 mi southwest of Rankin Mill, 6,500', 8/20/83; and Plot 7052, east of Trail 192 ca. 0.1 mi north of Stevens Saddle, 7,710', 8/20/83.
- Phacelia hastata* Dougl. var. *leptosepala* (Rydb.) Cronq., the white-flowered and tall variety of the Silverleaf Phacelia.  
Scarce, central Seven Devils, 7,300-7,700' ±.  
 \*Nelson and Nelson 3020, ?RM, Dry Diggins, 8/10-15/38.  
C. Johnson Sight Record, Plot 7014, east of trail 124 ca. 1/4 mi south of Potato Hill, 7,750', 8/10/83.
- Phacelia hastata* Dougl. var. undet., Silverleaf Phacelia.  
C. Johnson Sight Record, Plot 7015, above trail 124 ca. 0.1 mi west of Potato Hill, 7,730', 8/10/83.
- Phacelia heterophylla* Pursh var. *heterophylla*, Varileaf Phacelia.  
Common, entire Seven Devils, 5,200-8,100'.  
Baker 12071, ID, dry, rocky banks above Seven Devils Guard Station, 7/21/54.  
Bingham and Miller 177, ID and WS, southeast-facing, open, rocky, moderately dry slope in a sedge-forb meadow opening in an open *Pinus contorta*, *Abies lasiocarpa* forest, along the Old Boise Trail 101 just northeast of Hanson Cr., 6,800', 7/18/80.  
LaZelle 8, ID, alpine slope at roadside 1/4 mi east of Seven Devils Camp, 7,500', 8/29/63.  
Packard 269, WS, dry slopes on Timbered Bench above Little Granite Cr., 6,000', 6/28/37.  
 Plus 25 Sight Records by Bingham and Miller, C. Johnson, and Tisdale, Camp Howard Triangulation Station to Black Lake, 6,050-8,100'.
- Phacelia linearis* (Pursh) Holz., Threadleaf Phacelia.  
Uncommon (mostly at lower elevs.), northern Seven Devils and Rapid River, 5,200-5,600'.  
Baker 12159, ID, thickets, Wild Horse Saddle, on White Bird Ridge off Little Salmon River, 7/27/54.  
Bingham and Miller 473, ID, main forks of Rapid River, sec. 26, T. 23 N., R. 1 W., in an open grass-forb stand on a south-facing, moderately dry, open, rocky hillside, 2,850', 6/8/82.  
 Plus 5 Sight Records by Bingham and Miller, C. Johnson, and Tisdale, including Grave Point, along rd. 1819 at Caribou Cr., and Low Saddle, 5,250-5,625'.
- Phacelia lyallii* (Gray) Rydb., Lyall's Phacelia.  
Rare, central Seven Devils, 7,600' ±. (Recommended for a "State Watch List" of plants rare in Idaho but not threatened unless major

changes occur in local land use, cf. Steel and others 1981).  
LaZelle 14, ID, along the rd. ½ mi east of Seven Devils Camp,  
7,500', 8/29/63.

*Phacelia procera* Gray, Tall Phacelia.

Scarce, southern Seven Devils, 5,000-6,400' ±.

Baker 11339, ID, edges of wood, 7 mi north of Cuprum (prob. along  
rd. 106), 9/3/53.

Cusick 2346, WS, dry, stony mountainside on the Cuprum-Peacock  
Mine rd. (now rd. 106), 7,000', 9/15/1899.

*Phacelia sericea* (Grah.) Gray var. *ciliosa* Rydb., Silky Phacelia.

Common, central and southern Seven Devils, 6,500-8,300'.

Baker 12010, ID, open alpine slopes, Seven Devils Camp, 7/21/54.

Bingham and Miller 27 & 282, ID, and 105, ID and WS, west-facing,  
moist, meadow edge in opening of *Pinus albicaulis*, *Abies*  
*lasiocarpa* forest, ca. 0.1 mi southwest of Heavens Gate  
Lookout, 8,300', 7/21/79; south-facing, open, rocky lake bank  
along the north shore of Crater Lake, 6,550', 7/9/81; and  
south-facing, open, rocky slope with a sedge-forb stand,  
along rd. 517 at the Seven Devils Guard Station pasture  
fence cattle guard at the viewpoint looking up to  
Tower-of-Babel, 7,400', 7/13/80; respectively.

Brewer 17, IDF, Iron Springs Ranger Station, sec. 13, T. 22  
N., R. 3 W. (at the spring ca. 0.2 mi north of Holbrook  
Saddle), 7,000' (actually 8,000'), 7/22/28.

Christ 12494, ID and WS, scattered timber and grassy slope, Seven  
Devils Camp, 7/12/41.

\*Hermann 12049, ?NA, vicinity of Heavens Gate Lookout, 8,400',  
8/6/55.

C. Johnson 9/2/83, BKR 2428, Plot 7076, *Festuca idahoensis*-  
*Phlox diffusa* community east of the Heavens Gate Lookout rd.  
ca. 1/3 mi south of the Lookout parking area, 7,930',  
9/2/83.

Q. Jones 193, WS, moist meadow near receding snow, Heavens  
Gate, 7/11/50.

Ownbey and Meyer 2100, WS, open meadows, Heavens Gate,  
6/27/40.

Packard 346 & 468, WS, near the summit of the ridge between  
the forks of Sheep Cr., 7,900'; and hillside near the head  
of the east fork of Sheep Cr., 7,200', 7/28/38; respectively.

St. John and Mullen 8608, WS, rock ledge, "Narrows" of Sheep  
Cr. (prob. The Narrows along trail 110), 6,800', 7/26/27.

Tisdale 7/14/78, IDF 79038, vicinity of Seven Devils Guard  
Station, 7,500', 7/14/78.

Plus 11 Sight Records by Bingham and Miller, C. Johnson, and  
Tisdale.

## Hypericaceae

*Hypericum formosum* H.B.K. var. *nortoniae* (Jones) Hitchc., the subalpine  
variety of Western St. Johnswort.

Scarce, northern Seven Devils, 6,500' ±.

Bingham Sight Record, drawn-down banks of Crater Lake, 6,500',  
7/9/81.

*Hypericum perforatum* L., Klamath- or Goat-weed (European weed).

Frequent, entire Seven Devils, 5,000-6,900'.

Bingham 545, ID and WS, open, basalt-rock, southwest-facing  
slope near ridge at the edge of an open grass-forb-sagebrush  
stand, ca. 0.1 mi south of Cow Cr. Saddle along rd. 420,  
5,240', 7/21/82.

Plus 9 Sight Records by Bingham and Miller, C. Johnson and  
Tisdale, Buckhorn Spring and Caribou Cr. to Old Timer  
Mine, 5,000-6,900'.

## Iridaceae

*Iris missouriensis* Nutt., Western Blue Flag.

Scarce, southern Seven Devils, 5,300' ±.

Bingham and Miller 520, ID and WS, open sedge-forb meadow just

east of Indian Cr. and just north of rd. 105 at old Landore,  
5,330', 6/30/82.

## Isoetaceae

*Isoetes bolanderi* Engelm., Bolander's Quillwort.

Scarce, central Seven Devils, 7,400' ±.

\*Taylor 1673, WWB, shallowly submerged in Shelf Lake, 7,430',  
9/17/67.

## Juncaceae

*Juncus drummondii* E. Mey. var. undet., Drummond's Rush.

Occasional, central and southern Seven Devils, 6,800-8,000'.

Baker 11307, ID, moist, shaded slope, Sheep Rock, 9/3/53.

Brewer 113, Council R.D., sec. 36, T. 22 N., R. 2 W. (prob.

along trail 191 east of Pactolian Gulch), 7,000', 8/18/30.

\*Christ 8662, ?NY, in meadow in cirque, Pyramid Peak, 8/8/37.

St. John and Mullen 8452, WS, creek bank, headwaters Bernard  
Cr., Dry Diggins, 7,300', 7/20/27.

*Juncus mertensianus* Bong., Merten's Rush.

Common, entire Seven Devils, 6,500-8,000'.

Bingham and Miller 39, 284, & 402, ID, bog at the north end of  
the pond at the northeast side of Sheep Lake at the foot  
of the Goat Pass manway, 7,880', 7/22/79; drawn-down north  
bank of Crater Lake, 6,550', 7/9/81; and open creek bottom  
ca. ¼ mi down Bridge Cr. from the outlet of Mirror Lake,  
7,700', 7/26/81; respectively.

\*Christ 8651, ?NY, in timber in cirque on Pyramid Peak,  
8/8/37.

Hibbs 8/20/37, WS 108370, in spring below Hibbs Cow Camp, Dry  
Diggins, 8,000', 8/20/37.

St. John and Mullen 8492, WS, creek bank, headwaters Bernard  
Cr., Dry Diggins, 7,200', 7/20/27.

Plus 15 Sight Records by Bingham and Miller, Bernard Lakes  
and Dry Diggins Ridge to Black Lake, 7,200-8,000'.

*Juncus parryi* Engelm., Parry's Rush.

Uncommon, central and southern Seven Devils, 6,800-8,000'.

Baird 9/3/71, Council R.D., open meadow at head of Camp Cr. (fork  
of Indian Cr. heading at White Monument, 7,000', 9/3/71.

Baker 11307½, ID, moist, shaded slope, Sheep Rock, 9/3/53.

Christ 12587, ID, cliffs in cirque below Seven Devils Lake,  
7/13/41.

Henderson 3863, ID, near the Little Granite-Three Crs. divide  
ca. ¼ mi west of Hibbs Cow Camp, 7/6/77.

C. Johnson 9/2/83, BKR 2434, Plot 7075, in a *Pinus*  
*albicaulis*/*Vaccinium scoparium*-*Juncus parryi*

community ca. 0.1 mi southwest of Heavens Gate Lookout,  
8,170', 9/2/83.

St. John and Mullen 8522, WS, rocky slope, Dry Diggins,  
8,000', 7/22/27.

Plus 4 Sight Records by C. Johnson and Tisdale.

?*Luzula divaricata* Wats., Spreading Woodrush.

\*Christ 12629, ?NY, timbered mountainside on trail (prob. 124)  
2 mi north of Baldy Lake, 7/15/41 (but Idaho not in this  
species' geographic range).

*Luzula hitchcockii* Hamet-Ahti, Smooth Woodrush.

Common, central and southern Seven Devils, 5,900-8,400'.

Baker 12027 & 12090, ID, open alpine slopes, Seven Devils Camp,  
7/21/54; and base of trees, steep rocky bank below  
Heavens Gate Lookout, 7/19/54; respectively.

Bingham and Miller 19, ID, and Bingham 334, ID and WS, open,  
subalpine *Abies lasiocarpa*/*Pinus albicaulis* forest on a  
west-facing slope, opening predominantly this species, ca.  
0.1 mi southwest of Heavens Gate Lookout, 8,300', 7/21/79;  
and edge of moderately dense *Abies lasiocarpa*/*Picea*  
*engelmannii* forest on north shore of Black Lake, 7,200',  
7/17/81; respectively.

\*Christ 8677, ?NY, on high slopes and in meadows, Black Lake, 8/8/37.

Davis 2348, WS, wet soil under pine where snow had just melted, Smith Mt. Lookout, 7/3/40.

\*Hermann 12047, ?NA, ?US, vicinity of Heavens Gate Lookout, 8,400', 8/6/55.

C. Johnson 8/14/83 & 9/2/83, BKR 2481 and 2432, Plot 3037, west of the Old Boise Trail ca. 1/3 mi southwest of Papoose Lake, *Pinus albicaulis/Luzula hitchcockii-Juncus parviflorus* community, 7,980', 8/14/83; and Plot 7074, ca. 1/2 mi southwest of Heavens Gate Lookout, *Pinus albicaulis/Luzula hitchcockii* community, 8,150', 9/2/83; respectively.

St. John and Mullen 8525, WS, edge of snowbank, Dry Diggins, 8,000', 7/22/27.

Plus 21 Sight Records by Bingham and Miller, C. Johnson, and Steele.

*Luzula parviflora* (Ehrb.) Desv., Small-flowered Woodrush.

Uncommon, northern and central Seven Devils, 5,000-6,800'.

Bingham 293, ID, rocky, drawn-down lakebed, north shore of Crater Lake, 6,550', 7/9/81.

C. Johnson 6/29/82, BKR 2033, Plot 789, above rd. 2060 ca. 1/2 mi east of Kirkwood Cr., 5,220', 6/29/82.

Packard 284, WS, rotting log over Little Granite Cr. near fork at head, 5,000', 6/24-26/37.

Plus 2 Sight Records by Bingham and Miller.

?*Luzula piperi* (Cov.) Jones, Piper's Woodrush.

\*Christ 12553 & 12564, ?NY, in lee of rocks on ridge, Heavens Gate, 7/12/41; and on open west slopes, Heavens Gate, 7/12/41; respectively (but the species is mainly from the Cascade Mts., south B.C., and south into Montana).

*Luzula spicata* (L.) DC., Spiked Woodrush.

Scarce, central Seven Devils, 8,000-9,000'.

Christ 12562, ID, timbered west slopes, Heavens Gate, 7/12/41.

St. John and Mullen 8547, WS, rock crevices on He Devil Mt., 9,000', 7/24/27.

## Lamiaceae

*Agastache urticifolia* (Benth.) Kuntze var. *urticifolia*, Nettle-leaved Horse Mint.

Common, entire Seven Devils and Rapid River, 5,000-8,000'.

Baker 12268, ID, dry, gravelly west slope at Heavens Gate, 7/31/54.

Bingham and Miller 192 & 246, ID and WS, Douglas-fir forest of southeast-facing slope ca. 1/2-3/4 mi northeast of Hanson Cr. along the Old Boise Trail 101, 6,800', 7/18/80; and open *Abies lasiocarpa* forest along trail 192 ca. 1/3 mi northwest of Stevens Saddle, 7,600', 8/27/80; respectively.

\*Christ 8600, ?NY, small draw, Placer Basin (along the Black Lake rd. 112), 8/8/37.

\*Nelson and Nelson 3001, ?RM, Dry Diggins Lookout, 8/10-15/38.

Packard 430, WS, Hibbs Cow Camp, Dry Diggins area, 8,000', 7/26/38.

Plus 27 Sight Records by Bingham and Miller and C. Johnson, Camp Howard to Placer Basin, 5,000-7,600'.

*Marrubium vulgare* L., Horehound (Eurasian weed).

Scarce, Rapid River only, 2,200' +.

Bingham and Miller Sight Record, along the lower Rapid River trail 113 in a disturbed grass-forb-weed stand ca. 0.1 mi up the trail from the Circle C State Fish Hatchery trailhead gate, 2,250', 6/8/82.

*Monardella odoratissima* Benth. var. *odoratissima*, Mountain Monardella.

Frequent, central and southern Seven Devils, 7,200-8,000'.

Bingham and Miller 200, ID and WS, south-facing moderately dry, extremely rocky, open slope with sandy loam between rocks, along the Old Boise Trail 101 ca. 1/2 mi east of Horse Heaven Saddle, 7,200', 8/24/80.

Christ 12702, ID and WS, sliderock in west slopes along Sheep Cr., 7/17/41.

Kruckeberg 2838, WS and WTU, end of road from Riggins (rd. 517 at Windy Saddle), 8/26/51.

\*Nelson and Nelson 2982, ?RM, rock slides, Silver Springs trail (possibly trail 111 along Morrison Ridge past the many springs en route to Silvers Adm. Site), 8/10-15/38.

Packard 429, WS, rock crevices in dry, open flat near Hibbs Cow Camp, Dry Diggins, 8,000', 7/26/38.

Wellner 1700, ID, slope northeast and above Little Baldy Lake, 7,200', 8/22/78.

Plus 8 Sight Records by Bingham and Miller, Dry Diggins Lookout to Joes Gap, 7,300-8,000'.

*Prunella vulgaris* L., Self-heal (prob. a Eurasian introduction).

Scarce (mostly at lower elevs.), central Seven Devils, 5,000' ±.

Bingham and Miller Sight Record, ca. ¼ mi up rd. 517 from its 2d crossing of Papoose Cr. in sec. 26, on the roadbank, 4,600', 8/17/82.

*Salvia sclarea* L., See-bright.

Scarce, lower southern Seven Devils, 5,000' ±.

Baird 6/19/72, Council R.D., along Kleinschmidt Grade just west of Cuprum, 5,000', 6/19/72 (prob. below 5,000').

*Scutellaria angustifolia* Pursh, Narrow-leaved Skullcap.

Occasional, northern Seven Devils and Rapid River, 5,100' ±.

Bingham and Miller Sight Records: ca. 1.1 mi up the lower Rapid River trail 113 from the Circle C State Fish Hatchery, 2,400', 6/8/82; and along the west fork Rapid River trail 113 just west of the main forks in sec. 26, 2,700', 6/8/82.

C. Johnson Sight Record, Plot 717, just southeast of Wild Horse Butte, 5,100', 5/25/82.

## Liliaceae

*Allium acuminatum* Hook., Hooker's Onion.

Frequent, northern and central Seven Devils, 5,000-7,600' and Rapid River.

Baker 12045, ID, open alpine slopes, Seven Devils Camp, 7/21/54.

Bingham and Miller 67 & 365, ID, on bedrock outcrop immed.

behind the Seven Devils Guard Station, 7,200', 7/24/79; and in an opening in a *Pseudotsuga menziesii*, *Abies lasiocarpa*, *Pinus contorta* south-slope stand ca. 0.1 mi up the Cannon Lake trail from the Old Boise Trail, 6,500', 7/27/81; respectively.

\*Christ 12620, ?NY, on andesite (prob. Imnaha Basalt) knolls of dissected plateau, Hibbs Cow Camp, 7/15/41.

Ownbey and Meyer 2084, WS, gravelly exposed ridge, Hibbs Cow Camp, 6/26/40.

Packard 435, WS, dry soil above "The Swamps" on the trail to Hibbs Cow Camp, 7/27/38.

St. John and Mullen 8439, WS, gravel ridge, Bernard Cr. (vicinity of McGaffee Cow Camp), 5,600', 7/19/27.

Plus 4 Sight Records by Bingham and Miller.

*Allium brandegei* Wats., Brandege Onion.

Occasional, northern and central Seven Devils, 6,500-7,800'.

Bingham and Miller 122, ID and WS, and 308, ID, southeast-facing *Pseudotsuga menziesii*, *Abies lasiocarpa*, *Pinus contorta* stand ca. 1/3 mi north-northeast of the Old Boise Trail where it crosses Hanson Cr., 7,400', 7/15/80; and on the open, weathered, reddish basalt immediately northeast across rd. 1819 from Cold Springs Cow Camp, 6,620', 7/10/81; respectively.

\*Christ 12711, ?NY, basalt (Imnaha) scab outcrops near Lily Pad Lake, 7/17/41.

Packard 317, WS, vicinity of Hibbs Cow Camp, 7,800', 6/28/37.

Plus 1 Sight Record by Bingham and Miller, Cannon Lake trail.

\*\**Allium tolmiei* Baker var. *platyphyllum* (Tidest.) Ownbey, the short-pediciled and long-scaped variety of Tolmie's Onion.

Rare, northern Seven Devils, 5,000' ± (recommended for a "Federal Watch List" of plants generally rare in the U.S., but not currently threatened unless major changes occur in local land use, Steele and others 1981).

Bingham and Miller 501, ID and WS, in deep basaltic soil sloughed off a steep, east-facing road cut ca. 0.8 mi southwards along rd. 420 from Cow Cr. Saddle, 5,360', 6/10/82.

F. Johnson 6/8/78, IDF 79428, on basalt scab, Cow Cr. Saddle, 6/8/78.

Plus 1 Sight Record by Bingham and Miller, and one collection by Steele, both below 5,000', vicinity of Pittsburg Saddle.

*Allium tolmiei* Baker var. *tolmiei*, the short-scaped variety of Tolmie's Onion.

Frequent, northern and central Seven Devils, 5,000-8,400'.

Aase 6/27/40, WS 273758, vicinity of Heavens Gate Lookout, 6/27/40.

Baker 12052, ID, open alpine slopes, Seven Devils Camp, 7/21/54.

Christ 12491, ID and WS, gravelly eroded slopes, Seven Devils Campground, 7/11/41.

Henderson 3848, ID, ca. ¼ mi northeast of Hibbs Cow Camp near the jct. of trails 56 and 112, 7/7/77.

F. Johnson 5/23/78, IDF 79092, open hillsides with pine, 1 mi west of Pittsburg Saddle, 5,000', 5/23/78.

Q. Jones 198, WS, soil patches on steep rocky slopes, Heavens Gate, 7/12/50.

Ownbey and Meyer 2085, WS, vicinity of Hibbs Cow Camp, 6/26/40.

Packard 331, WS, Dry Diggins area, 8,000', 6/29/37.

St. John and Mullen 8475, WS, gravelly ridge, Dry Diggins Area, 7,400', 7/20/27.

*Brodiaea douglasii* Wats., Douglas' Wild Hyacinth.

Frequent, northern and central Seven Devils and Rapid River, 5,000-7,600'.

Bingham and Miller 191, ID and WS, in an open Douglas-fir stand on an east-facing slope ca. 1/2-3/4 mi north of Hanson Cr. along the Old Boise Trail 101, 6,800', 7/18/80.

Packard 579, WS, open grassy hillside near Low Saddle, 5/13/39.

Plus 13 Sight Records by Bingham and Miller, C. Johnson and Tisdale, Camp Howard Triangulation Station to head of Devils Farm Cr., 5,100-7,600'.

*Calochortus elegans* Pursh, Elegant Sego-Lily, or Cat's Ear.

Frequent, entire Seven Devils, 5,000-8,000'.

Bingham and Miller 176, ID and WS, open *Pseudotsuga menziesii* forest on east-facing slope along the Old Boise Trail 101 ca. 1/2-3/4 mi north of Hanson Cr., 6,800', 7/18/80.

\*Christ 12518, ?NY, grassy east slope, Heavens Gate, 7/12/41.

\*Hermann 12046, ?NA, 1½ mi southwest of Riggins above Shingle Cr. (prob. the north fork, along rd. 517), 8/6/55.

Lewis 2263, BOIS, OGD, sec. 21, T. 20 N., R. 3 W., Cuprum rd., near Steele Stand 72-Pa-24 (along the Bear-Cuprum road 002, above Huntley Gulch), 5,700' (but Stand 72-Pa-24 is at 5,000'), 6/12/72.

Moore 98, WS, exposed places on ridge northeast of McGaffee Cow Camp, 8,600' (prob. nearer 5,500-6,000'), 5/16/36.

Ownbey and Meyer 2066, WS, loose soil, *Pinus-Pseudotsuga* forest, 7 mi above the mouth of Bernard Cr. (prob. along trail 56 or 57), 6/25/40.

Plus 8 Sight Records by Bingham and Miller, C. Johnson, and Tisdale.

*Calochortus eurycarpus* Wats., Big-pod Mariposa Lily.

Frequent, central and southern Seven Devils, 5,000-7,800', (but visible mainly in certain flowering years).

Bingham 314, ID and WS, Bingham and Miller 369, ID, and 605, ID and WS, open Douglas-fir/Ninebark forest on south-facing rocky hillside, along rd. 105 ca. 0.8 mi south-southeast of

Landore at the jct. of rd. 105 and Indian Cr., 5,600', 7/16/81; open *Pseudotsuga menziesii* forest on south-facing, rocky hillside ca. 0.1 mi up the Cannon Lake trail from the Old Boise Trail, 6,500', 7/27/81; and on an open, rocky ridgetop immediately south of Lockwood Saddle east of rd. 108, 6,400', 7/27/83; respectively.

\*Christ 8601 & 12619, NY, and 11070, ?NY, timbered mountainside, Placer Basin, 8/8/37; mountainside in Snake River Gorge west of Cuprum, 5/30/40; and on Andesite knoll of dissected plateau, Hibbs Cow Camp, 7/15/41; respectively.

Packard 459, WS, open flat, Hibbs Cow Camp, Dry Diggins, 7/27/38.

Plus 9 Sight Records by Bingham and Miller.

*Calochortus macrocarpus* Dougl., Sagebrush Mariposa Lily.

Scarce, lower central Seven Devils and Rapid River, 5,000' minus.

Baker 12160, ID, grassy hillside above Slaughter Gulch, White

Bird Ridge off Little Salmon River, ? elev., 7/27/54.

Bingham and Miller 525, ID, open, overgrazed, grassy-weedy

bench ca. 0.1 mi up the lower Rapid River trail 113

from the trailhead gate at the Circle C State Fish

Hatchery, 2,250', 7/1/82.

\*\**Calochortus nitidis* Dougl., Broad-fruited Mariposa Lily.

Rare, lower northern Seven Devils, 5,000-5,600' (recommended for a "Federal Watch List" of plants generally rare in the U.S. and State of Idaho, but not threatened unless major changes occur in local land use, cf. Steele and others (1981)).

Bingham 279B, ID, 532, ID and WS, and Bingham and Mason 547, ID

and WS, open grass-forb-sagebrush stand on basaltic soil,

immediately north of rd. 420 at Cow Cr. Saddle, 5,250',

7/8/81; exact same locality 7/21/82; and open

grass-forb-sedge stand on rocky ridgetop, ca. 150' northeast

of the Grave Point Lookout tower, 5,630', 7/21/82; and

re-collected by Miss Holly Mason, the lookout, in late

July or early Aug.; respectively.

Plus 1 Bingham and Miller Sight Record, open *Festuca*

*idahoensis*/forb stand on grassy ridgetop, at Big Canyon

Saddle, 5,000', 6/11/82.

*Clintonia uniflora* (Schult.) Kuntze, Bead Lily.

Uncommon, entire lower Seven Devils and Rapid River, 5,000-5,300'.

Baird 8/12/71, Council R.D., on Indian Cr. 2 mi below

Landore, 5,000', 8/12/71.

Bingham and Miller 601, ID and WS, moderately dense, mature,

*Abies grandis*/*Picea engelmannii* streambottom forest at the

mouth of the unnamed creek entering the east fork of Sheep

Cr. across trail 58 ca. 1 mi south of Log Cr., 5,100',

8/18/82.

Plus 4 Sight Records by Bingham and Miller and C. Johnson,

Kirkwood Cr. to Old Landore and west fork Rapid River,

4,400-5,300'.

*Disporum hookeri* (Torr.) Nicholson var. *oreganum* (Wats.) Jones, Hooker's Fairy-bell.

Scarce, central Seven Devils, ? elev.

Baker 16799, ID, 9 mi west of Riggins (prob. along rd. 517 on

McClinery Ridge), 5/24/65.

*Disporum trachycarpum* (Wats.) Benth. and Hook., Sierra Fairy-bell.

Uncommon, northern and central Seven Devils and Rapid River, 5,000-6,700'.

Bingham and Miller 159, ID, and 472, ID and WS, in a streambank

opening of a moderately dense *Abies lasiocarpa*, *Picea*

*engelmannii* forest in the bottom of Hanson Cr. just below

the Old Boise Trail 101, 6,700', 7/17/80; and

west-facing, shaded, bottom of the lower Rapid River in a

moderately dense *Abies grandis*, *Pseudotsuga menziesii*, *Taxus*

*brevifolia* forest along trail 113 about opposite the

mouth of Blue Gulch, 2,400', 6/8/82; respectively.

Plus 3 Sight Records by Bingham and Miller and C. Johnson,

lower west fork Rapid River, Wild Horse Butte, and Motthorn

Saddle, 3,100-5,100'.

*Erythronium grandiflorum* Pursh var. *grandiflorum*, Glacier Lily.

Abundant, entire Seven Devils, 5,000-8,400'.

Baird 7/29/71, Council R.D., moist area at base of snowbank  $\frac{1}{4}$  mi north of High Dive, 7,500', 7/29/71.

Bingham 339A, north-facing slope in a moderately dense *Abies lasiocarpa*/*Picea engelmannii* forest along trail 214 ca.  $\frac{3}{4}$  mi south of Emerald Lake, 7,220', 7/17/81.

Brewer 12, Council R.D., Iron Springs Camp, sec. 13, T. 22 N., R. 3 (?2) W., 8,000', 6/24/28.

\*Christ 11059, 12575, 12586, & 12646, ?NY, near snowline under Douglas-fir and subalpine fir, Placer Basin (along rd. 112), north of Bear, 5/30/40; on banks of creek (fork of Bridge Cr.) from Seven Devils Lake, 7/13/41; on cliffs in cirque below Seven Devils Lake, 7/13/41; and on ridges by melting snowbank, Sheep Cr. Lake No. 3 (Gem Lake), 7/16/41; respectively.

Davis 2530, WS, moist creek bottom, Black Lake, 7/3/40.

Q. Jones 205, ID, vicinity of Heavens Gate Lookout, 7/12/50.

Lewis 1287, OGDF, open ridgetop near pass north of Horse Mt., 5,000', 6/16/67.

Moore 102, WS, pine woods, McGaffee Cow Camp trail (110) in Bernard Cr., 8,600' (the Cow Camp is at 5,700'), 5/16/36.

\*Munro 78, WS, Cow Camp at head of Bernard Cr. (McGaffee's), 4,000' (the Camp is at 5,700'), 5/15/37.

St. John and Mullen 8523, WS, Dry Diggins Area, 8,000', 7/22/27.

\*St. John and Mullen 8530, ?WS, Dry Diggins Area, 8,000', 7/22/27.

Plus 33 Sight Records by Bingham and Miller, C. Johnson, and Steele.

*Fritillaria pudica* (Pursh) Spreng., Yellow Bell.

Occasional (mostly at lower elevs.), entire Seven Devils, 5,000-5,300'.

Bingham 456, ID, open, basalt-rock ridgetop with a sagebrush-grass-forb stand immediately south of rd. 420 at Cow Cr. Saddle, 5,250', 5/25/82.

Plus 3 Sight Records by Bingham and Miller and Steele (Big Canyon Saddle and along rd. 672 just north of Cow Cr. Saddle) and Steele (Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide), 5,000-5,250', (? \_\_\_?).

*Lloydia serotina* (L.) Sweet, Alpine Lily.

Scarce, high, central Seven Devils, 7,800-9,000'.

Packard 350f, WS, moist alpine meadow near 4th Sheep Cr. Lake (Sheep Lake), 9,000' (but if near lake prob. nearer 7,825'), 7/25/38.

St. John and Mullen 8564, WS, wet rock crevices, He Devil Mt., 9,000', 7/24/27.

*Smilacina racemosa* (L.) Desf., Western False Solomon's Seal.

Common entire Seven Devils and Rapid River, 5,000-7,500'.

Baird 6/27/72, Council R.D., 2 mi below Placer Basin, 5,000', 6/27/72.

Bingham and Miller 137, ID and WS, east-facing, rocky, open, sedgy slope in an open *Abies lasiocarpa*, *Picea engelmannii*, *Pinus albicaulis* stand along the south side of Dog Cr. ca.  $\frac{3}{5}$  mi below Dog Lake, 7,500', 7/16/80.

Plus 21 Sight Records by Bingham and Miller, C. Johnson, and Steele, Big Canyon Saddle south to Lockwood Saddle and Landore, 5,000-6,700'.

*Smilacina stellata* (L.) Desf., Star-flowered False Solomon's Seal.

Occasional, entire Seven Devils, 5,200-6,600'.

Bingham and Miller 524, ID and WS, level, open, sedgy bottom of Indian Cr. just northwest of the crossing of rd. 105 over Indian Cr., at Old Landore west of the spur-road to the smelter chimney, 5,330', 6/30/82.

Plus 3 Sight Records by C. Johnson: Plot 789, above rd. 2060 ca.  $\frac{1}{4}$  mi east of Kirkwood Cr., 5,300', 6/29/82; Plot 790, above rd. 2060 just east of Kirkwood Cr., 5,300', 6/29/82; and Plot 7019, ca.  $1\frac{1}{4}$  mi west of Echo Lake below trail 124, 6,610', 8/11/83.



*Stenanthium occidentale* Gray, Western *Stenanthium*.

Uncommon, central Seven Devils, 5,400-7,300'.

Baker 11999, ID, moist grassy bank, wooded slope 9 mi west of Riggins (prob. along rd. 517 on McClinery Ridge), 7/21/54.

Bingham and Miller 407, ID and WS, and 446, ID, northwest-facing, 4/5-shaded, moderately dense forest hillside in an *Abies lasiocarpa*-*Picea engelmannii* forest ca. 1/3 mi westward along trail 112 from the Windy Saddle trailhead, moderately moist soil near seeps, 7,100', 8/10/81; and east-facing, 2/3-shaded, moderately moist and densely forested hillside on the south bank of Ruth Lake, 7,250', 8/17/81 (with prominently red-edged tepals); respectively.

\*Christ 12698, ?NY, moist places at crossing Sheep Cr. and trail (either the east fork or west fork of Sheep Cr. along trail 112), 7/17/41.

Packard 454, WS, wet, shaded streambanks where the Brundage Trail crosses the head of Sheep Cr., 6,600', 8/28/38.

St. John and Mullen 8389, WS, thicket in Bernard Cr. near McGaffee Cow Camp, 5,400', 7/17/27.

*Streptopus amplexifolius* (L.) DC. var. *chalastratus* Fassett, the glabrous-leaved variety of the Clasping-leaved Twisted-stalk.

Uncommon, central Seven Devils, 6,000-7,900'.

Bingham and Miller 396, ID, east-facing, steep, open rocky streambank, in the bottom of Bridge Cr. ca. 1/8 mi below Mirror Lake, 7,900', 7/26/81.

Bingham and Miller Sight Records: bottom of upper Bernard Cr. along trail 57, McGaffee Cow Camp watering hole, along trail 58 in the east fork of Sheep Cr. ca. 3/4 mi north of trail 112, along trail 113 at its jct. with trail 191 at Old Town 1/3 mi south of Rankin Mill, along trail 112 ca. 1/3 mi northwest of Windy Saddle, and along trail 124 in the Echo Lake fork of Little Granite Cr., 5,900-6,900'.

\*Christ 12678, ?NY, creek bank at Sheep Cr. trail crossing (trail 112 prob. at the west fork of Sheep Cr.), 7/17/41.

*Trillium ovatum* Pursh, Wake Robin.

Frequent, entire Seven Devils and Rapid River, 5,000-5,700'.

Bingham 289, ID, southwest-facing slope with deep rocky loam in a 2/3-shaded *Pinus contorta*-*Pseudotsuga menziesii* forest, along the Old Boise Trail 101 ca. 0.7 mi northeast from the Lightning Ridge trail 52, 6,800', 7/9/81.

Bingham and Miller Sight Records: along trail 104 ca. 1/8 mi east of Big Canyon Saddle, 4,900', 6/11/82; along the east fork of Sheep Cr. trail 2½ mi north of trail 112, 5,200', 8/18/82; along rd. 106 ca. 1 mi north of Lockwood Saddle, 6,600', 6/30/82; along rd. 517 ca. 1½ mi above its 2d crossing of Papoose Cr. in sec. 26, 5,200', 8/17/82; along rd. 672 ca. 1 mi northeast of Cow Cr. Saddle, 5,300', 6/10/82; and along west fork Rapid River trail 113 just east of Bridge Cr., 3,700', 6/8/82.

Howell 36, ID, 6 mi up the main fork of the Rapid River, 3/20/74.

Lewis 1285, OGDF, open conifer timber near Horse Mt., 5,000', 6/16/67.

Moore 100, WS, in leaf mold of alder thickets, McGaffee Cow Camp, 8,600' (the Cow Camp is at 5,700'), 5/16/36.

Sharsmith 4017, WS, near the summit of the ridge overlooking the upper basin of Sheep Cr., 5,500', 5/12/39.

Steele Sight Records: Stand 72-Pa-24, above Huntley Gulch along the Bear-Cuprum rd. 002, 5,000', 6/12/72; Stand 74-38, along rd. 517 below the south fork of Papoose Cr., 5,800', 8/8/74; and 2 stands (81-Pa-01A & 01B) along rd. 105, 6 mi north of Cuprum, 5,550', 6/24/81.

*Veratrum californicum* Durand var. *californicum*, False Hellebore.

Common, central and southern Seven Devils, 5,000-8,000'.

Bingham and Miller 358, ID, east-facing, open streambottom with a moist, sandy-gravelly-rocky loam soil edged by an open *Abies lasiocarpa*-*Picea engelmannii* forest in the bottom

of Bridge Cr. ca.  $\frac{1}{4}$  mi below Mirror Lake, 7,700',  
6/26/81.

Christ 12718, ID, in marsh, Sheep Cr. Swamp, 7/17/41.

Packard 443, WS, moist mountain meadows, Lily Pad Lake, 7,500',  
7/28/38.

St. John and Mullen 8498, WS, Dry Diggins Area, 7/20/27.

Plus 17 Sight Records by Bingham and Miller, C. Johnson, and  
Steele, Dry Diggins Ridge south to Huntley Gulch, 5,000-  
8,000'.

*Xerophyllum tenax* (Pursh) Nutt., Beargrass.

Frequent, central and southern Seven Devils, 5,000-7,600'

(surprisingly, only 10 known occurrences in the Seven Devils,  
although common in the Gospel Mts. just northeast).

Bingham and Miller 567, ID, southeast-facing, 3/4-shaded, rocky  
bench under a moderately dense *Pinus contorta*, *Picea*  
*engelmannii*, *Abies lasiocarpa* stand ca.  $\frac{1}{4}$  mi down rd. 517  
from Shingle Cr., 6,850', 8/17/82.

\*Christ 12669, ?NY, Squaw Cr. 14 mi southwest of Riggins (prob.  
along rd. 517 in Papoose or Shingle Cr.), 7/17/41.

Packard 447, WS, dry slope, Dry Diggins, 7/28/38.

\*St. John and Mullen 8561, ?WS, open woods, He Devil Mt.,  
7/24/27.

Plus 6 Sight Records by Bingham and Miller, C. Johnson, and  
Steele, east fork Sheep Cr. trail  $1\frac{1}{2}$  mi north of trail 112  
south to Huntley Gulch, 5,000-7,600'.

*Zigadenus elegans* Pursh, Glaucous Death Camas.

Uncommon, mostly in the Gem-Sheep Lakes area, central Seven Devils,  
7,600-8,000'.

Bingham and Miller 36 & 84, ID, in the open bog north of the pond  
at the northeast side of Sheep Lake at the foot of the Goat  
Pass manway, 7,880', 7/22/79; and in a 4/5-open, west-facing  
boulderfield along trail 123 bordering a *Pinus*  
*albicaulis*-*Abies lasiocarpa* stand, in the switchbacks  
ca. 1/8 mi west of the south end of Sheep Lake (same  
locality as Wellner 1692, below), 8,000', 7/25/79;  
respectively.

\*Christ 12651, ?NY, soil pockets on ridges between Sheep Cr.  
Lakes No. 3 and 4 (Sheep and Gem Lakes), 7/16/41.

Wellner 1692, ID, in the boulderfield along trail 123 ca. 1/8  
mi west of the south end of Sheep Lake, 8,000', 8/21/78.

Plus Bingham and Miller Sight Record, at the vernal pond along  
trail 123 ca.  $\frac{1}{2}$  mi southeast of Gem Lake, 7,600', 8/13/81.

*Zigadenus paniculatus* (Nutt.) Wats., Panicked Death Camas.

Scarce, central Seven Devils, 7,600'  $\pm$ .

\*Christ 12516, ?NY, open, grassy mountainside 1 mi east of Seven  
Devils Camp, 7/12/41.

*Zigadenus venosus* Wats. var. *gramineus* (Rydb.) Walsh, the sheath-  
leaved variety of Meadow Death Camas.

Frequent, entire Seven Devils and Rapid River, 5,600-7,600'.

Baker 12049, ID, open alpine slopes, Seven Devils Camp, 7/21/54.

Q. Jones 217, ID and WS, low swales on grassy slopes, Heavens  
Gate, 7/13/50.

Moore 99, WS, along the Bernard Cr. trail 110 3 mi from the  
Snake River, 6,000' (prob. lower), 6/16/36.

Plus 13 Sight Records by Bingham and Miller, C. Johnson, and  
Tisdale, Camp Howard Triangulation Station south to Lockwood  
Saddle, and west fork Rapid River, 5,100-7,400'.

## Limnanthaceae

*Floerkea proserpinacoides* Willd., False-mermaid.

Scarce, central Seven Devils, 7,300'  $\pm$ .

St. John and Mullen 8476, WS, meadow on Dry Diggins, 7,300',  
7/20/27.

## Linaceae

*Linum perenne* L. var. *lewisii* (Pursh) Eat. and Wright, the western north  
American variety of Blue Flax.

Common, entire Seven Devils and Rapid River, 5,000-8,200'.  
Baker 12284, ID, open, gravelly slopes west of Seven Devils Camp, 7/21/54.  
Bingham and Miller 144, ID, and 344, ID and WS, east-facing, open rocky slope at edge of boulderfield, along the south side of Dog Cr. ca. 3/5 mi below the Lake, 7,500', 7/16/80; and south-facing, open, rocky hillside with bedrock outcroppings, along trail 218 ca. 1/2 mi west of the summit between Black Lake and Joes Gap, 7,800', 7/18/81; respectively.  
 \*Christ 8606, ?NY, high, open mountainside, Smith Mt., 8/8/37.  
Christ 12532, ID and WS, open east slopes of Heavens Gate, 7/12/41.  
Q. Jones 197, ID and WS, open, rocky hillside near Heavens Gate Lookout, 7/12/50.  
Ownbey and Meyer 2067, WS, headwaters of Sheep Cr. (along trail 112), 6/26/40.  
Packard 330, WS, head of the north fork of Bernard Cr. above McGaffee Cow Camp, 5,400', 6/29/37.  
St. John and Mullen 8484, WS, gravelly ridge, Dry Diggins, 7,200', 7/20/27.  
Tisdale 7/17/79, IDF 80180, Plot 95, Seven Devils Guard Station pasture, 7,600', 7/17/79.  
 Plus 16 Sight Records by Bingham and Miller, and C. Johnson.

## Loasaceae

*Mentzelia dispersa* Wats., Small-flowered Mentzelia.  
Scarce, central Seven Devils, 6,800-8,000'.  
 \*Christ 12706, ?NY, sliderock in west slopes along Sheep Cr. trail, 7/17/41.  
Ownbey and Meyer 2071, WS, headwaters of Sheep Cr., 6/26/40.

## Malvaceae

*Iliamna rivularis* (Dougl.) Greene var. *rivularis*, Streambank Globemallow.  
Uncommon, central Seven Devils and Rapid River, 5,000-7,600'.  
Bingham and Miller 374, ID and WS, open brushfield in an old burn, ca. 0.2 mi down the Cannon Lake trail from Lower Cannon Lake, 7,000', 7/27/81.  
Bingham and Miller Sight Records, along the lower Rapid River trail 113 1/2 mi above the Circle C State Fish Hatchery, 2,280', 6/8/82; along the Old Boise Trail 101 ca. 3/4 mi north of Hanson Cr., 6,800', 7/27/81; along rd. 517 ca. 0.6 mi above its 2d crossing of Papoose Cr. in sec. 22, 5,000', 8/17/82; and along trail 124 in the head of Fall Cr. west of Potato Hill, 7,600', 8/15/81.  
*Malva neglecta* Wallr., Dwarf Mallow (introduced European weed).  
Scarce (mostly from lower elevs.), central Seven Devils and Rapid River, 5,000' ±.  
Bingham and Miller 581, ID, gravel roadbed of road 517 ca. 1/4 mi above its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.  
Bingham and Miller Sight Record, along the west fork Rapid River trail 113 in the McCrea Place pasture, 4,000', 6/9/82.  
*Sidalcea neomexicana* Gray var. *crenulata* (Nels.) Hitchc., Rocky Mountain Checker Mallow.  
Scarce, southern Seven Devils, 5,100' ±.  
Lewis 2280, BOIS, OGD, sec. 21, T. 20 N., R. 3 W., Cuprum rd. (105), on Steele Stand 72-Pa-25, 5,130', 6/12/72.  
Steele Sight Record, same locality and date.

## Nymphaeaceae

*Nuphar polysepalum* Engelm., Indian Yellow Pond Lily.  
Occasional, central Seven Devils, 7,200-7,300' ±.  
Bingham and Miller 259, ID and WS, in shallow water in the two westernmost of the Bernard Lakes, 7,200', 8/28/80.

St. John and Mullen 8582, WS, Lily Pad Lake, Dry Diggins,  
8,000' (actually the Lake is at 7,300'), 7/25/27 (still  
observed there by Bingham and Miller in 1981).

## Onagraceae

*Circaea alpina* L., Enchanters Nightshade.

Scarce, central Seven Devils, 5,000-5,100'.

Bingham and Miller 589, ID and WS, in a cutover creek bottom  
ca. ½ mi up rd. 517 from its 2d crossing of Papoose Cr.  
in sec. 26, 4,900', 8/17/82.

Bingham and Miller Sight Record, along the east fork of Sheep Cr.  
trail 58 ca. 1 mi south of Log Cr., 5,100', 8/18/82.

*Clarkia pulchella* Pursh, Deer-horn Clarkia.

Uncommon (mostly at lower elevs.), northern and central Seven Devils  
and Rapid River, 5,000-6,600'.

Aldrich 7/5/07, ID 3600, Camp Howard (prob. the Cow Camp),  
7/5/07.

\*Baker 11911, ?ID, open woods, Seven Devils rd. 4 mi west of  
Riggins (prob. along rd. 517 in Papoose Cr.), ?elevation,  
7/21/54.

Bingham 555, ID and WS, in an open grass-forb stand ca. 150' east  
of the Grave Point Lookout tower, 5,600', 7/21/82.

Plus 7 Sight Records by Bingham and Miller, C. Johnson, and  
Steele, Cow Cr. Saddle to Old Timer Mine, 5,200-6,600'.

*Clarkia rhomboidea* Dougl., Common Clarkia.

Occasional, central and southern Seven Devils and Rapid River,  
5,000-5,200'.

Bingham and Miller 595, ID and WS, in an open *Pinus ponderosa*  
stand on a Douglas-fir/ninebark h.t., ca. 1.0 mi up rd. 517  
from its 2d crossing of Papoose Cr. in sec. 26, 5,150',  
8/17/82.

Brewer 61, Council R.D., mouth of Paradise Cr. (on main fork  
of Rapid River), sec. 15 (?27), T. 22 N., R. 1 W.,  
4,000', 6/27/29.

Steele Sight Record, Stand 72-Pa-25, at the Bear-Indian Crs.  
divide along the Bear to Cuprum rd. 002, 5,130', 6/12/72.

*Epilobium alpinum* L. var. *alpinum*, Alpine Willow-weed.

Uncommon, central and southern Seven Devils, 7,200-8,000'.

Bingham 322, ID, and Bingham and Miller 381, ID and WS, in the  
campground, moist gravelly soil, northwest shore of Black  
Lake, 7,200', 7/17/81; and southeast-facing, open grass-forb  
stand on a rocky hillside bordering Dog Cr. ca. 0.2 mi below  
Dog Lake, 7,900', 7/28/81 (intermed. with var. *nutans*);  
respectively.

Christ 8639, ID, shore of Black Lake, 8/8/37.

\*Christ 8664, 8679, 12590, 12611, 12613, & 12731, ?NY, (8664)  
grassy slopes of Pyramid Peak, 8/8/37; (8679) edge of  
pool in tundra, Pyramid Peak, 8/8/37; (12590) cliffs in  
cirque below Seven Devils Lake, 7/13/41; (12611) moist bank  
of Sheep Cr. Lake No. 2 (Shelf Lake), 7/14/41; (12613)  
moist bank of Sheep Cr. Lake No. 2 (Shelf Lake), 7/14/41;  
and (12731) in marsh, Sheep Cr. swamp, 7/17/41;  
respectively.

*Epilobium alpinum* L. var. *clavatum* (Trel.) Hitchc., the subclavate-  
capsuled variety of Alpine Willow-weed.

Occasional, central Seven Devils, 7,500-9,000'.

Bingham and Miller 64, ID, in the steep, long, loose-rock  
talus 0.1 mi southeast of Goat Pass about ¼ of the way down  
the talus to Mirror Lake, 8,300', 7/24/79.

Kruckeberg 3195, WS, WTU, loose scree above Sheep Cr. Lake No.  
2 (Shelf Lake), 7,500', 7/31/52.

Packard 465, WS, rock crevices along the Brundage Trail near  
the summit between the forks of Sheep Cr., 7,900',  
7/28/38.

St. John and Mullen 8551, WS, moist rock chimney, He Devil  
Mt., 9,000', 7/24/27.

- Epilobium alpinum* L. var. *lactiflorum* (Hausskn.) Hitchc., the white-or cream-petaled variety of the Alpine Willow-weed.  
Scarce, central and southern Seven Devils, 6,800-7,200'.  
 \*Baker 12060, ?ID, wet, marshy ground about spring, Seven Devils Guard Station, 7/21/54.  
C. Johnson Sight Record, Plot 7069, west of the Deep Cr. trail 219 ca. ½ mi west of the Black Lake rd. 112 at High Dive, 6,760', 8/31/83.
- Epilobium alpinum* L. var. *nutans* (Hornem.) Hook., the short-petioled variety of Alpine Willow-weed.  
Common, central and southern Seven Devils, 6,400-8,000'.  
Bingham and Miller 368 & 401, ID, wet soil of bank of Bridge Cr. ca. 1 mi below Seven Devils Guard Station along the Old Boise Trail 101, 6,600', 7/27/81; and steep, rocky, east-facing streambank ca. ¼ mi down Bridge Cr. from the outlet of Mirror Lake, 7,700', 7/26/81; respectively.  
 \*Christ 12732, ?NY, in marsh, Sheep Cr. swamp, 7/17/41.  
Hibbs 8/20/37, WS, in a spring, Hibbs Cow Camp, 7/20/37.  
St. John and Mullen 8587, WS, marshy shore of Lily Pad Lake, 8,000', 7/25/27.  
 Plus 18 Sight Records by Bingham and Miller, Dry Diggins Ridge and Bernard Lakes to Emerald Lake, 6,400-7,600'.
- Epilobium angustifolium* L., Fireweed.  
Common, entire Seven Devils, 5,000-8,000'.  
 \*Baker 11330, ?ID, open woods about spring 6 mi north of Cuprum (prob. along rd. 106), 9/3/53.  
Bingham and Miller 586, ID and WS, alongside rd. 517 ca. ¼ mi above its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.  
St. John and Mullen 8554, WS, woods, He Devil Mt., 8,000', 7/24/27.  
 Plus 37 Sight Records by Bingham and Miller, C. Johnson, Steele, and Tisdale, Cold Springs Lookout site to Lockwood Saddle and Landore, 5,500-8,000'.
- Epilobium glaberrimum* Barbey var. *fastigiatum* (Nutt.) Trel., the low var. of Smooth Willow-weed.  
Uncommon, central and southern Seven Devils, 6,900-7,600'.  
Bingham 321, ID, and Bingham and Miller 449, ID and WS, along campground rd., northwest shore of Black Lake, 7,200', 7/17/81; and southeast shore of Horse Heaven Lake, 7,600', 8/18/81; respectively.  
 Plus 4 Sight Records by Bingham and Miller, Seven Devils Campground to Emerald Lake, 6,900-7,800'.
- Epilobium glandulosum* Lehm. var. *glandulosum*, Common Willow-weed.  
Scarce, central Seven Devils, 6,800-7,200'.  
Bingham and Miller 239 & 367, ID and WS, in small marsh ca. 0.1 mi down the Ruth Lake Trail from the Lake, 7,200', 8/27/80; and along the Old Boise Trail 101 in Bridge Cr. ca. 1 mi below Seven Devils Guard Station, 6,800', 7/27/81; respectively.
- Epilobium minutum* Lindl., var. undet., Small-flowered Willow-weed.  
Occasional, central Seven Devils, 5,000-8,500'.  
Bingham and Miller 53 & 87, ID, and 579, ID and WS, south-facing, open slope of gravelly loam in the large boulderfield at the foot of the long talus slope between Tower of Babel and She Devil Mt., ca. 0.2 mi east of Sheep Lake, 8,075', 7/23/79; northeast-facing foot of northwest ridge off He Devil Mt., on open, sometimes slipping, gravelly-rocky slope, 8,450', 7/26/79; and rock-gravelly loam soil on north-facing roadcut ca. ¼ mi up rd. 517 from its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82; respectively.  
 Plus 2 Sight Records by Bingham and Miller, south end of East fork Sheep Cr. trail 58 and Dog Cr. ½ mi below mouth, 7,000-7,800'.
- Epilobium paniculatum* Nutt. var. undet., Tall Annual Willow-weed.  
Uncommon, northern and central Seven Devils and Rapid River, 5,000-7,600'.

Bingham and Miller Sight Records: along trail 110 ca. 0.1 mi east of McGaffee Cow Camp, 5,800', 8/12/81; along the Old Boise Trail 101 ca. 3/4 mi below Seven Devils Guard Station, 6,700', 7/27/81; along the west fork Rapid River trail 113 at Old Town (abandoned mining town), ca. 1/3 mi south of Rankin Mill, 6,200', 8/16/81; and along the Old Boise Trail ca. 1/4 mi east of Horse Heaven Saddle, 7,600', 8/18/81.

C. Johnson Sight Records: Plot 786, just north of Caribou Cr. ca. 1/2 mi down the creek from rd. 2060, 5,260', 6/27/82; and Plot 793, just southwest of Grave Point Lookout, 5,550', 6/29/82.

Tisdale Sight Records: Plot sites 73 and 74, vicinity of Low Saddle, 5,200', 7/13/78; Plot sites 90 and 91, vicinity of Cold Springs Cow Camp, 6,600', 7/13/79; and Plot site 95, Seven Devils Guard Station pasture, 7,360-7,600', 7/15-17/79.

*Epilobium watsonii* Barbey var. *occidentale* (Trel.) Hitchc., the glandular inflorescenced variety of Watson's Willow-weed.

Scarce, southern Seven Devils, 6,500' ±.

Baker 11332, ID, moist soil about spring 6 mi north of Cuprum (prob. along rd. 106), 9/3/53.

*Gayophytum decipiens* Lewis and Szevk., Deceptive Groundsmoke.

Frequent, central Seven Devils, 6,800-7,900'.

Bingham 146 & 218B, ID and WS, and 382, ID, open *Pinus contorta* forest along the Old Boise Trail just north of Hanson Cr., 6,800', 7/17/80; open, rocky-gravelly sedge-forb meadow in the Horse Heaven Lookout pasture just north of the Idaho-Adams Co. Line, 7,850', 8/27/80; and open, southeast-facing rocky hillside ca. 0.2 mi down the Dog Lake manway from the lake, 7,900', 7/28/81; respectively.

Plus 9 Bingham and Miller Sight Records, Heavens Gate and Dry Diggins Lookouts to Carbonate Hill, 6,800-7,900'.

*Gayophytum humile* Juss., Dwarf Groundsmoke.

Occasional, entire Seven Devils, 5,000-7,600'.

Baird 9/8/71, Council R.D., open area 1/2 mi from Horse Mt. Lookout, 7,000', 9/8/71.

Baker 11300 & 12028, ID, Kinney Point, 9/3/53; and open, alpine slopes, Seven Devils Camp, 7/21/54; respectively.

Bingham 292B, ID, in an open *Pinus ponderosa* stand at the campground area of Low Saddle, 5,400', 7/8/81.

St. John and Mullen 8447, WS, dry flats on Dry Diggins, 7/20/27.

*Gayophytum racemosum* Torr. and Gray, Racemed Groundsmoke.

Occasional, central and southern Seven Devils, 6,500-7,800'.

Baker 11327, ID, moist ground about spring 6 mi north of Cuprum, 9/3/53.

\*Christ 8659 & 12720, ?NY, in meadow in cirque, Pyramid Peak, 8/8/37; and in basalt scab outcrops near Sheep Cr. swamp, 7/17/41; respectively.

*Oenothera flava* (Nels.) Garrett, Long-tubed Evening Primrose.

Scarce, southern Seven Devils, 5,300' ±.

Bingham and Miller 523, ID and WS, open sedge meadow in wide bottom of Indian Cr. just north of the old brick smelter chimney at old Landore, west side of Indian Cr., just north of rd. 105, 5,330', 6/30/82.

## Orchidaceae

*Calypso bulbosa* (L.) Oakes, Fairy Slipper.

Frequent, northern and central Seven Devils + Rapid River, 5,000-6,800'.

Baker 16797, ID, 9 mi west of Riggins (prob. along rd. 517 on McClinery Ridge), 5/24/65.

Moore 90, WS, under trees at McGaffee Cow Camp, 8,600' (actually the Cow Camp is at 5,700'), 5/16/36.

Plus 8 Sight Records by Bingham and Miller and C. Johnson, Motthorn Saddle to Hanson Cr., 5,000-6,800'.

*Corallorhiza maculata* Raf., Spotted Coral-root.

Scarce, northern and central Seven Devils, 5,300-6,800'.

- Bingham and Miller 174, ID and WS, moderately dense *Abies lasiocarpa*-*Pinus contorta*-*Pseudotsuga menziesii* forest on southeast-facing slope along the Old Boise Trail 101 ca. 3/4 mi north of Hanson Cr., 6,800', 7/18/80.
- C. Johnson Sight Record, Plot 787, below rd. 1819 just south of Low Saddle, 5,350', 6/27/82.
- Corallorhiza striata* Lindl., Striped Coral-root.  
Scarce, northern Seven Devils, 5,200' ±.
- C. Johnson 6/29/82, BKR 2035, Plot 789, above rd. 2060 ca. 1/4 mi east of Kirkwood Cr., 5,220', 6/29/82.
- Corallorhiza trifida* Chat., Yellow Coral-root.  
Occasional, central Seven Devils, 5,400-6,700'.
- Bingham and Miller 164, ID, dense *Abies lasiocarpa*/*Picea engelmannii* stand in the bottom of Hanson Cr. just below the Old Boise Trail 101, 6,700', 7/17/80.
- St. John and Mullen 8429, WS, in woods along Bernard Cr., 5,400', 7/19/27.
- Plus 1 Sight Record by Bingham and Miller, along trail 124 in the head of the south fork of Little Granite Cr., 6,600', 8/14/81.
- \*\*Eburnophyton austiniiae* (Gray) Heller, Ghost Orchid.  
Rare, west Fk. of Rapid River, 4,500' ± (recommended for a "State Watch List" of plants rare in the State of Idaho but not threatened unless major changes occur in local land use [cf. Steele and others, 1981]).
- Bingham and Miller 497, ID, southeast-facing, moderately dense *Pseudotsuga menziesii*, *Abies grandis*, *Pinus contorta* forest on gravelly-loam trailbank along trail 113 in the west fork of the Rapid River ca. 0.2 mi above Hanson Cr., 4,450', 6/9/82.
- Goodyera oblongifolia* Raf., Western Rattlesnake Plantain.  
Abundant, entire Seven Devils and Rapid River, 5,000-7,200'.
- Bingham and Miller 165, ID, dense, streambottom *Abies lasiocarpa*/*Picea engelmannii* forest ca. 1/4 mi below the Old Boise Trail at Hanson Cr., 6,700', 7/17/80.
- St. John and Mullen 8397, WS, woods, McGaffee Cow Camp, 5,400', 7/17/27.
- Plus 39 Sight Records by Bingham and Miller, C. Johnson, and Steele, Kirkwood Cr. to Black Lake, 5,200-7,300'.
- Habenaria dilitata* (Pursh) Hook. var. *leucostachys* (Lindl.) Ames., the long- and slender-spurred variety of White Bog-orchid.  
Occasional, northern and central Seven Devils, 5,000-7,300'.
- Bingham 305, ID, west-facing streambank in open *Abies lasiocarpa* forest, Caribou Cr. along rd. 1819 east of Low Saddle, 6,200', 7/10/81.
- Bingham and Miller Sight Records: along the Old Boise Trail 101 in the Seven Devils Lake fork of Bridge Cr., 7,000', 7/27/81; along trail 113 ca. 1/2 mi east of its jct. with 192 north of Carbonate Hill, 7,300', 8/16/81; and along the east fork of Sheep Cr. trail 58 ca. 1 mi north of Log Cr., 5,100', 8/18/82.
- Habenaria elegans* (Lindl.) Boland, Hillside Rein-orchid.  
Occasional, central Seven Devils, 5,800-7,300'.
- Bingham and Miller 395, ID, northeast-facing, rocky slope in a half-open *Abies lasiocarpa*/*Pinus contorta* forest in the Seven Devils Lake fork of Bridge Cr. ca. 1/4 mi south-southwest of the Seven Devils Guard Station, 7,300', 7/6/81.
- Bingham and Miller Sight Records: along the east fork Sheep Cr. trail 58 ca. 1 1/2 mi north of Log Cr., 5,800', 8/18/82; and along the tote road (lower) part of trail 113 ca. 1/2 mi above its jct. with trail 192 south of Rankin Mill, 6,800', 8/16/81.
- Habenaria obtusata* (Banks) Richards., One-leaf Rein-orchid.  
Scarce, Rapid River only, ? elev.  
Tucker 7/17/32, ID 7362, Rapid River, ? elev., 7/17/32.
- Habenaria saccata* Greene, Slender Bog-orchid.  
Scarce, central Seven Devils, 7,200' ±.
- Bingham and Miller 327, ID and WS, and 441, ID, both from the

identical locality but in successive years, small, shady bog along the Ruth Lake trail ca. 0.1 mi east of the Lake, 7,200', 8/28/80 and 8/17/81, respectively.

*Habenaria unalascensis* (Spreng.) Wats., Alaskan Rein-orchid.

Occasional, central Seven Devils, 6,600' ±.

\*Christ 12623 & 12685, ?NY, on Douglas-fir slopes 2 mi south of Hibbs Cow Camp on trail (prob. 124) to Baldy Lake, 7/15/41; and timbered slopes along Sheep Cr. trail (prob. 112), 7/17/41; respectively.

Packard 450, WS, wet shaded streambank where Brundage Trail crosses the head of Sheep Cr. (trail 112 in the west fork), 6,600', 7/28/38.

*Listera caurina* Piper, Northwestern Twayblade.

Uncommon, central and southern Seven Devils, 6,300-7,200'.

Baker 12095 & 12256, ID, shaded woods 11 mi west of Riggins (prob. on McClinery Ridge along rd. 517), 7/21/54; and moist woods along Shingle Cr. (prob. the north fork along rd. 517), 7/31/54; respectively.

Bingham and Miller 414, ID and WS, north-facing, shady hillside in the bottom between the forks of the west fork of Sheep Cr. along trail 112, 6,800', 8/10/81.

\*Christ 12637, ?NY, timbered mountainside, 1 mi north of Baldy Lake, 7/15/41.

Christ 12682, ID, open floor of dense timber, Sheep Cr. trail 112, 7/17/41.

Plus 3 C. Johnson Sight Records, Old Boise Trail 101 south of Hanson Cr., along trail 214 south of Emerald Lake, and along rd. 112 east of Black Lake, 6,760-7,200'.

*Listera cordata* (L.) R. Br., Heart-leaf Twayblade.

Occasional, central Seven Devils and Rapid River, 5,000-6,800'.

Bingham and Miller 413, shady streambottom in *Picea engelmannii*-*Abies lasiocarpa*-*Pinus contorta* forest ca. 0.1 mi southwest of the jct. of trail 112 with the east fork of the west fork of Sheep Cr., 6,800', 8/10/81.

Bingham and Miller Sight Records: along the Ruth Lake trail 189 ca. ¼ mi northeast of the lake, 7,100', 8/17/81; and along the west fork Rapid River trail 113 ca. 0.2 mi above Hanson Cr., 4,400', 6/9/82 and at Rankin Mill, 5,900', 8/16/81.

## Orobanchaceae

*Orobanche fasciculata* Nutt., Clustered Broomrape.

Uncommon, entire Seven Devils, 5,000-7,600'.

Bingham 273 and Bingham and Miller 379, ID, open, shallow-soiled ridgetop over basalt, with *Agropyron spicatum*/*Koeleria cristata* h.t., grass-forb-rigid sage stand, just north of rd. 420 at Cow Cr. Saddle, 5,260', 8/8/81; and on open, decomposed ? basalt ca. 100' southwest of Windy Saddle, 7,600', 7/27/81; respectively.

Bingham and Miller Sight Records: along rd. 108 ca. ¼ mi southwest of Lockwood Saddle, 6,500', 6/27/83; at Sawpit Saddle, 5,050', 7/8/81; and along rd. 672 just north of Cow Cr. Saddle, 5,300', 6/10/82.

*Orobanche uniflora* L. var. *purpurea* (Heller) Achey, the woolly-anthered variety of Naked Broomrape.

Scarce, northern Seven Devils, 5,000' ±.

Bingham and Miller 508, ID and WS, open, southeast-facing, rocky hillside with an open grass-forb stand in the *Agropyron spicatum*/*Festuca idahoensis* h.t., along trail 104 ca. 150' north of Big Canyon Saddle, 5,050', 6/11/82.

*Orobanche uniflora* L. var. undet., Naked Broomrape.

\*Christ 12448 & 12618, ?NY, on cliffs above Seven Devils Lake, 7/11/41; and on promontory jutting into Sheep Cr. Lake No. 2 (Shelf Lake), 7/14/41; respectively.



## Paeoniaceae

*Paeonia brownii* Dougl., Brown's Peony.

Uncommon, entire Seven Devils, 5,000-6,800'.

Bingham 283, ID, and Bingham and Miller 519, ID and WS, west-facing, open hillside with a deep rocky loam soil and an open grass-forb stand in the *Agropyron spicatum/Koeleria cristata* h.t., 200 yds. east of the Old Boise Trail 101 ca. 3/5 mi south of the trailhead along rd. 1819 southeast of Cold Springs Lookout, 6,825', 7/9/81; and in an open grass-forb-sedge meadow near the ridgetop along the Black Lake rd. 112 ca. 1½ mi southward from Placer Basin, 5,850', 6/30/82; respectively.

Christ 8592, ID, basalt scabland 6 mi north of Bear, Adams Co., 8/8/37.

Moore 101, WS, ridge southeast of McGaffee Cow Camp, 8,600' (prob. nearer 6,000' since the Cow Camp is at 5,700'), 5/16/36.

Peters and Moore 135, WS, gravelly soil near McGaffee's Cow Camp, head of north fork of Bernard Cr., 5,000', 5/16/36.

Plus 3 Sight Records by Bingham and Miller and Steele, Camp Howard Triangulation Station to Landore and Bear-Indian Crs. divide, 5,100-5,900'.

## Pinaceae

*Abies grandis* (Dougl.) Forbes, Grand Fir.

Common, encircling entire Seven Devils below 6,800' and along lower Rapid River.

Bingham 537, ID and WS, Grand fir-Huckleberry h.t. in regenerating, ridgetop clearcut, along rd. 420 south of Cow Cr. Saddle and 0.2 mi south of rd. 421, 5,400', 7/21/82.

Plus 30 Sight Records by Bingham and Miller, C. Johnson and Steele, Big Canyon Saddle to Landore, 5,000-6,800'.

*Abies lasiocarpa* (Hook.) Nutt., Subalpine Fir.

Abundant, commonest tree of the central Seven Devils, generally above 6,500', to the tops of He and She Devil Mts. (almost 9,400'), and in Rapid River below Rankin Mill.

Baker 12290, ID, Rocky Mt. slopes west of Seven Devils Camp, 7/31/54.

Bingham 332, ID and WS, subalpine fir-Grouse Whortleberry h.t. on the densely forested northwest shore of Black Lake, 7,200', 7/17/81.

Christ 8715, ID, slopes and high ridges surrounding Black Lake, 8/8/37.

Meyer 850, WS, above Bernard Cr. near McGaffee Cow Camp, 5,000', 5/13/37.

Munro 74, WS, rocky saddle north side of Seven Devils Mts., 5,750', 5/14/37.

St. John and Mullen 8503, WS, Dry Diggins, 7/20/27.

Plus 75 Sight Records by Bingham and Miller, C. Johnson and Steele.

*Larix occidentalis* Nutt., Western Larch.

Frequent, entire Seven Devils and Rapid River, 5,000-7,100'.

Bingham 536, ID and WS, gentle, northeast-facing slope in clearcut near ridgetop, *Pseudotsuga menziesii*, *Abies grandis*, *Pinus ponderosa* regeneration on area, along rd. 420 ca. 0.2 mi south of its jct. with rd. 241 ½ mi south of Wickiup Butte, 5,400', 7/21/82.

Plus 14 Sight Records by C. Johnson, Steele, Wellner, Bingham and Miller, Caribou Cr. to Landore and Lockwood Saddle, 5,000-7,100'.

*Picea engelmannii* Parry, Engelmann Spruce.

Abundant, entire Seven Devils and Rapid River, 5,000-7,900'.

\*Christ 12484, ?NY, ridges, Seven Devils Ridge, 7/11/41.

St. John and Mullen 8502, WS, dry woods, Dry Diggins, 7,000', 7/20/27.

Wellner 1702, ID and IDF, banks of Little Baldy Lake, 7,400' (actually 7,200'), 8/22/78, a compact, dwarf form.

Plus 64 Sight Records by Bingham and Miller, C. Johnson, and

- Steele, Cow Cr. Saddle and Kirkwood Cr. to Black Lake and Joes Gap, 5,000-7,800', including west fork Rapid River.
- Pinus albicaulis* Engelm., Whitebark Pine.
- Abundant, central and southern Seven Devils, 6,800-9,400'.
- Baker 12292, 11319, & 12036, ID, summit of Kinney Point (7,125'), Hells Canyon, 9/3/53; wooded slopes 6 mi north of Cuprum (prob. along rd. 106), 9/3/53; and open alpine slopes, Seven Devils Camp, 7/21/54; respectively.
- Bingham and Miller 197, ID, southwest-facing, open, subalpine forest of *Pinus albicaulis* and *Abies lasiocarpa* on the main Snake-Salmon Rivers divide ca. 0.1 mi southwest of Heavens Gate Lookout, 8,400', 7/19/80 (collection contains an aecial-stage *Cronartium ribicola* Fisch. ex Rabenh. branch canker).
- \*Christ 8617 & 12527, ?NY, slopes and high ridges surrounding Black Lake, 8/8/37; and, in colonies in ravines and on benches, Heavens Gate, 7/12/41; respectively.
- St. John and Mullen 8442, WS, Dry Diggins, 7,500', 7/20/27.
- Plus 39 Sight Records by Bingham and Miller and C. Johnson.
- Pinus contorta* Dougl. var. *latifolia* Engelm., Inland Lodgepole Pine.
- Abundant, entire Seven Devils and Rapid River, 5,000-7,700'.
- Baker 11296 & 12024, ID, north slope of Kinney Point, 9/3/53; and Seven Devils Camp, 7/21/54; respectively.
- Bingham and Miller 569, ID and WS, southeast-facing, rocky bench with a moderately dense *Pinus contorta*, *Picea engelmannii*, *Abies lasiocarpa* forest, ca. ¼ mi down rd. 517 from the north fork of Shingle Cr., 6,850', 8/17/82.
- St. John and Mullen 8501, WS, Dry Diggins area, 7,200', 7/20/27.
- Plus 52 Sight Records by Bingham and Miller, C. Johnson, and Steele, Caribou Cr. and Cold Springs Lookout site to Landore and Lockwood Saddle, 5,350-7,900'.
- Pinus ponderosa* Dougl., Western Yellow or Ponderosa Pine.
- Common (at lower elevs.), entire Seven Devils and Rapid River, 5,000-7,200'.
- Bingham and Miller 546, ID, north-facing, rocky-gravelly roadcut in an open Douglas-fir/ninebark h.t. ca. ¼ mi up rd. 517 from its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.
- Plus 33 Sight Records by Bingham and Miller, C. Johnson, and Steele, Wild Horse Butte and Big Canyon Saddle to Huntley Gulch, 5,000-7,200'.
- Pseudotsuga menziesii* (Mirb.) Franco var. *glauca* (Beissn.) Franco, Inland Douglas-fir.
- Abundant, entire Seven Devils and Rapid River, 5,000-7,900'.
- Bingham and Miller 553, ID and WS, north-facing, rocky-gravelly roadbank along rd. 517 ca. ¼ mi above its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.
- \*Christ 12679, ?NY, Sheep Cr., 7/17/41.
- Plus 65 Sight Records by Bingham and Miller, C. Johnson, and Steele, Wild Horse Butte and Big Canyon Saddle to Huntley Gulch, 5,000-7,900'.

## Plantaginaceae

- Plantago lanceolata* L., English Plantain (European weed).
- Scarce, lower Rapid River only, 2,200' ±.
- Bingham and Miller 528, ID, in the rocky roadbed at the trail 113 trailhead gate at the southwest end of the Circle C State Fish Hatchery, 2,200', 7/1/82.
- Plantago major* L. var. *major*, Common Plantain (prob. a Eurasian introduction).
- Occasional, northern and central Seven Devils, 5,000-6,800'.
- Bingham and Miller 575, ID and WS, in the rocky-gravelly roadbed of rd. 517 ca. ¼ mi above its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.
- Plus 4 Sight Records by Bingham and Miller, south of Cow Cr. Saddle, east of Low Saddle, Old Boise Trail near Cannon Cr. and McGaffee Cow Camp, 5,300-6,800'.

- Agropyron caninum* (L.) Beauv. ssp. *majis* (Vasey) Hitchc. var. *andinum* (Scribn. and Smith) Hitchc., Bearded Wheatgrass.  
Scarce to Uncommon, southern Seven Devils, 6,800-8,000'.  
 \*Christ 8609, ?NY, high, open side of Smith Mt., 8/8/37.  
 C. Johnson 8/31/83, BKR 2582, Plot 7066, above the Black Lake rd. 112 ca. 1/3 mi northeast of Rock Cr., *Artemisia tridentata*/*Carex geyeri*-*Potentilla glandulosa* community, 7,010', 8/31/83.
- Agropyron caninum* (L.) Beauv. ssp. *majis* (Vasey) Hitchc. var. *undet.*, Bearded Wheatgrass.  
 Baird 9/8/71, Council R.D., dry, open slope below Horse Mt. Lookout, 5,800', 9/8/71.  
 Brewer 116, Council R.D., Sheep Rock, sec. 2, T. 21 N., R. 3 W., 6,500', 8/19/30.  
 C. Johnson Sight Records, Plot 7044, ca. 1½ mi north of Emerald Lake, along trail 214, 6,400', 8/19/83; and Plot 7067, near trail 217 in the head of Deep Cr., ca. 0.1 mi northwest of the Black Lake rd. 112, 7,150', 8/31/83.
- Agropyron scribneri* Vasey, Spreading Wheatgrass.  
Uncommon, central Seven Devils, 7,100-8,400'.  
 Bingham and Miller 57, ID, open *Pinus albicaulis*-*Abies lasiocarpa* forest just east of the Bridge-Sheep Crs. divide at Goat Pass, 8,400', 7/24/79.  
 Plus 7 Sight Records by Bingham and Miller, trail 112 between the forks of Sheep Cr. to Horse Heaven Saddle, 7,100-8,000'.
- Agropyron spicatum* (Pursh) Scribn. and Smith var. *spicatum*, Bluebunch Wheatgrass.  
Common, entire Seven Devils and Rapid River, 5,000-8,000'.  
 Baird 8/12/71, Council R.D., 1 mi north of Horse Mt. Lookout, 6,850', 8/12/71.  
 Baker 11998, ID, dry banks of wooded slope 5 mi west of Riggins (prob. along rd. 517 in Papoose Cr., ? elev.), 7/21/54.  
 Bingham and Miller 244, ID and WS, and 345, ID, in an *Artemisia tridentata* stand on a southwest-facing slope along the Old Boise Trail 192 just north of Stevens Saddle, 7,600', 8/27/80; and in grass-forb stand on rocky south-facing slope along trail 218 ca. ½ mi west of the summit between Black Lake and Joes Gap, 7,600', 7/18/81; respectively.  
 \*Christ 8608, ?NY, high, open mountainside, Smith Mt., 8/8/37.  
 Plus 26 Sight Records by Bingham and Miller, Henderson, C. Johnson, Steele, and Tisdale, Big Canyon Saddle to Huntley Gulch, 5,000-8,000'.
- Agrostis exarata* Trin. ssp. *minor* (Hook.) Hitchc., the blunter- and shorter-glumed subspecies of Spike Bentgrass.  
Scarce, southern Seven Devils, 5,000-6,500' +.  
 Baker 11324, ID, moist soil, edge of spring, 6 mi north of Cuprum (prob. along rd. 106 near Lockwood Saddle), 9/3/53.
- ?*Agrostis rossiae* Vasey, Ross' Bentgrass (but well outside its Yellowstone National Park range, often confused with *A. variabilis*).  
 \*Christ 8656, ?NY, high ridges near Black Lake, 8/8/37.
- Agrostis scabra* Willd., Winter Bentgrass.  
Occasional, central Seven Devils, 7,200-7,600'.  
 Bingham and Miller 435, ID and WS, under high waterline on the shore of Quad Lake, 7,200', 8/14/81.  
 Kruckeberg 3206, WS and WTU, just below Dry Diggins Lookout, 8/1/52.  
 Plus 2 lake-bank Sight Records by Bingham and Miller, shores of Baldy Lake, 7,200', and shores of Horse Lake, 7,200'.
- Agrostis thurberiana* A. S. Hitchc., Thurber Bentgrass.  
Scarce, central Seven Devils, 7,500' ±.  
 St. John and Mullen 8583, WS, marshy shore of pond (vernal ponds along trail 123 between Basin and Gem Lakes?), Dry Diggins, 8,000', 7/25/27.
- Agrostis variabilis* Rydb., Variant Bentgrass.  
Scarce, central to southern Seven Devils, 6,800-8,000'.  
 Baker 11305 & 12079, ID, moist shaded slope of Sheep Rock,

- 9/3/53; and dry rocky banks below Heavens Gate, 7/21/54; respectively.
- Arrhenatherum elatius* (L.) Presl, Oatgrass (European introduction).  
Scarce, lower, central-eastern Seven Devils, 5,000' ±.  
Baker 12158, thicket, Wildhorse Saddle, White Bird Ridge (prob. along rd. 624), 7/27/54.
- Bromus brizaeformis* Fisch. and Mey., Rattlesnake Grass (European introduction).  
Uncommon, lower northern and central Seven Devils and Rapid River, 5,000-5,900'.  
Baird 7/15/71, Council R.D., upper part of Kleinschmidt Grade, 5,000', 7/15/71.  
Baker 11988, ID, Papoose Cr. 4 mi west of Riggins (prob. along rd. 517), ? elev., 7/21/54.  
Bingham 554, ID, open grass-forb-sedge stand on ridgetop ca. 150' east of Grave Point Lookout tower, 5,630', 7/21/82.  
 Plus 6 Sight Records by Bingham and Miller, C. Johnson and Tisdale, Cow Cr. Saddle to McGaffee Cow Camp, 5,200-5,900'.
- Bromus carinatus* Hook. and Arnott var. *carinatus*, California Brome.  
Abundant, mostly northern and central Seven Devils, 5,200-8,000'.  
Baker 12012, ID, Papoose Cr. 4 mi west of Riggins (prob. along rd. 517), 7/21/54.  
Bingham and Miller 154 & 243, ID and WS, southeast-facing slope in sedge-forb meadow opening in forest, along the Old Boise Trail just northeast of Hanson Cr., 6,800', 7/17/80; and southwest-facing sagebrush-grass stand ca. 0.2 mi northwest of Stevens Saddle along trail 192, 7,600', 8/27/80; respectively.  
 \*Christ 12709, ?NY, open mountainside along the Sheep Cr. trail, 7/17/41.  
Henderson 3861, ID, Little Granite-Three Crs. divide ca. ¼ mi west of Hibbs Cow Camp, 7/6/77.  
Hermann 12035, NA, WS, vicinity of Cold Springs Lookout, 6,900', 8/6/55.  
 ?\*Nelson and Nelson 3006, RM, top of He Devil, 8/10-15/38. (Prob. too high for this taxon, not collected or seen atop He Devil by St. John or Bingham and Miller).  
 Plus 36 Sight Records by Bingham and Miller, C. Johnson, and Tisdale.
- Bromus inermis* Leys. ssp. *inermis*, Smooth Brome (European introduction).  
Scarce, central Seven Devils, 6,800' ±.  
Bingham and Miller 424, ID and WS, open gravelly hillside with grass-forb stand on a southeast-facing slope ca. ½ mi down trail 112 along the north Fk. of Little Granite Cr. from Hibbs Cow Camp, 6,800', 8/11/81.
- Bromus inermis* Leys. ssp. *pumpellianus* (Scribner) Wagon var. *pumpellianus*, the glabrous-glumed variety of Pumpelly Brome, a North American native plant.  
Scarce, southern Seven Devils, 7,200' ±.  
 \*Christ 8646, ?NY, in a *Abies lasiocarpa* timber surrounding Black Lake, 8/8/37.
- Bromus inermis* Leys. ssp. and var. undet.  
Bingham and Miller Sight Record, in the talus slopes along the Old Boise Trail 101 ca. 0.1 mi east of Horse Heaven Saddle at the jct. of trails 101, 114, and 124, 7,700', 8/18/81.
- Bromus japonicus* Thunb., Japanese Brome-grass (Eurasian introduction).  
Scarce, lower northern and southern Seven Devils, 5,000-5,200'.  
Baird 7/15/71, Council R.D., upper part of Kleinschmidt Grade, 5,000', 7/15/71.  
Tisdale Sight Record, Plotsites 73 and 74, vicinity of Low Saddle, 5,200', 7/13/78.
- Bromus suksdorfii* Vasey, Suksdorf's Brome-grass.  
Scarce, southern Seven Devils, 7,000' ±.  
Baker 11313, ID, grassy, open meadow, Kinney Point, 9/3/53.
- Bromus tectorum* L., Cheat Grass (Eurasian introduction).  
Uncommon, entire lower Seven Devils and Rapid River, 5,000-6,600'.

- Bingham and Miller 576, ID and WS, in the roadbed of rd. 517 ca.  $\frac{1}{4}$  mi up the rd. from its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82; also Sight Records, west of Cold Springs Cow Camp, at Sawpit Saddle, and along Rapid River, 5,000-6,600'.
- Bromus vulgaris* (Hook.) Shear var. *vulgaris*, Columbia Brome.  
Uncommon, entire Seven Devils, 5,000-7,000'.
- Baird 8/6/71 & 8/18/71, Council R.D.,  $\frac{1}{2}$  way through the Landore-Cuprum rd. (105), 5,000', 8/6/71; and in timber along rd. 2 mi south of Landore, 5,500', 8/18/71; respectively.
- Baker 12259, ID, moist woods along Shingle Cr. (prob. the north fork along rd. 517), 7/31/54.
- \*Christ 12699, ?NY, timbered hillside along the Sheep Cr. trail, 7/17/41.
- Plus 6 Sight Records by C. Johnson and Steele, Motthorn Saddle to Hanson Cr., 5,100-6,800'.
- ?*Calamagrostis canadensis* (Michx.) Beauv., Bluejoint Reedgrass.  
Baird 8/18/71, Council R.D., in timber along rd. (105) south of Landore, 5,000', 8/18/71 (but geog. range normally is west Washington, Olympic and Cascade Mts., and north Sierra Nevada of Calif.).
- Calamagrostis rubescens* Buckl., Pinegrass.  
Common, entire Seven Devils, 5,000-7,600'.
- Baird 8/18/71, Council R.D., in timber along rd. 105 2 mi south of Landore, 5,500', 8/18/71.
- Baker 12299 & 11334, ID, grassy north slopes of Kinney Point, 9/3/53; and grassy, wooded knoll 6 mi north of Cuprum (prob. along rd. 106), 9/3/53; respectively.
- \*Christ 8604, ?NY, timbered mountainside, Placer Basin (prob. along rd. 112), 7/7/37.
- Plus 24 Sight Records by Bingham and Miller, C. Johnson, and Steele, Wild Horse Butte to Huntley Gulch, 5,000-7,600'.
- Cinna latifolia* (Trevir.) Griseb., Woodreed.  
Scarce, southern Seven Devils and upper Rapid River, 7,500'  $\pm$ .
- Brewer 80, Council R.D., Paradise Cr., sec. 15, T. 22 N., R. 3 W., 4,500', 8/29/29 (but the Paradise Cr. location and elev. would place the collection in lower Paradise Cr. about  $\frac{1}{2}$  mi west of the main Rapid River in sec. 21 or 28, T. 22 N., R. 1 W.).
- \*Christ 8625, ?NY, springy places on mountainside, Black Lake, 7/7/37.
- Dactylis glomerata* L., Orchard-grass (Eurasian introduction).  
Scarce, central Seven Devils, 5,700'  $\pm$ .
- C. Johnson Sight Record, Plot 7033, east of trail 110 on the Log-Old Timer Crs. ridge ca. 1 mi northeast of the jct. of trails 110 and the east fork of Sheep Cr. trail 58, 5,720', 8/13/83.
- Danthonia intermedia* Vasey, Timber Oatgrass.  
Frequent, northern and central Seven Devils, 6,600-8,000'.
- Baird 9/3/71, Council R.D., open flat on ridge by Kinney Point, 7,500', 9/3/71.
- Bingham and Miller 227, ID and WS, in the large grass-sedge-forb meadow comprising the Horse Heaven Lookout pasture just north of the Idaho-Adams Co. Line ca.  $\frac{1}{4}$  mi south of the Horse Heaven Lookout cabin, 8,000', 8/25/80.
- \*Hermann 12037, ?US, vicinity of Cold Springs Lookout, 6,900', 7/6/55.
- C. Johnson 8/10/83, BKR 2476, Plot 7011, ca. 200' west of trail 101 in the Horse Heaven Lookout pasture, *Festuca idahoensis-Carex hoodii* h.t., 8,040', 8/10/83.
- Tisdale 7/11/79, IDF 81103, mountain grassland  $1\frac{1}{2}$  mi west of Cold Springs Lookout, 6,600', 7/11/79.
- Plus 7 Sight Records by Bingham and Miller, C. Johnson, and Tisdale, vicinities of Horse Heaven Saddle, Cold Springs Cow Camp, Horse Heaven Lookout pasture, Dry Diggins Ridge, the Narrows, along the Old Boise Trail 101, Fire Camp Saddle, Bald Mt., and Seven Devils Guard Station, 6,600-7,800'.

- Danthonia spicata* (L.) Beauv., Common Wild Oatgrass.  
Scarce, northern Seven Devils, 5,200' ±.  
Tisdale Sight Record, Plots 73 and 74, vicinity of Low Saddle, 5,200', 7/13/78.
- Danthonia unispicata* (Thurb.) Munro, Onespoke Oatgrass.  
Scarce, central Seven Devils, 6,500' ±.  
C. Johnson Sight Record, Plot 7034, west of trail 110 just west of the Old Timer Mine and cabin, 6,470', 8/13/83.
- Deschampsia caespitosa* (L.) Beauv. var. *caespitosa*, Tufted Hairgrass.  
Scarce, southern Seven Devils, 6,800' ±.  
C. Johnson 8/31/83 (2 colls.), BKR 2492 and 2493, both from Plot 7069, west of the Deep Cr. trail 219 ca. ½ mi west of the Black Lake rd. 112 at High Dive in the head of Deep Cr., 6,760', 8/31/83.
- Deschampsia elongata* (Hook.) Munro, Slender Hairgrass.  
Scarce, southern Seven Devils, 6,500-7,200'.  
Baker 11331, ID, moist ground about spring 6 mi north of Cuprum (prob. along rd. 106), 9/3/53.  
\*Christ 8638, ?NY, shore of Black Lake, 8/8/37.
- Elymus cinereus* Scrib. and Merrill var. *cinereus*, Giant Wildrye.  
Occasional, southern Seven Devils and Rapid River, 5,000-7,000'.  
Brewer 119, Council R.D., Helena Ranger Station, sec. 12, T. 22 (?21) N., R. 3 W., 7,000' (apparently at Old Helena near the Peacock Mines), 8/19/30.  
 Plus 2 Sight Records by Bingham and Miller; lower and west fork of the Rapid River, 2,300-2,700'.
- Elymus glaucus* Buckl., var. undet., Western Rye-grass.  
Uncommon, central and southern Seven Devils, 7,000-7,800'.  
\*Christ 8701, ?NY, lower slopes above Black Lake, 8/8/37.  
C. Johnson Sight Records: Plot 7021, along trail 124 ca. 1 mi south of Hibbs Cow Camp, 7,050', 8/11/83; Plot 7024, along trail 112 just below Hibbs Cow Camp, 7,060', 8/11/83; Plot 7044, east of trail 214 ca. 1½ mi north of Emerald Lake, 6,400', 8/19/83; and Plot 7065, along trail 214 ca. ¼ mi west of the south end of Black Lake, 7,460', 8/30/83.
- Festuca idahoensis* Elmer var. *idahoensis*, Idaho Fescue.  
Abundant, entire Seven Devils and Rapid River, 5,000-8,500'.  
Baird 8/15/71, Council R.D., Horse Heaven, 7,500', 8/15/71.  
Bingham and Miller 205 & 226, ID and WS, open and exposed, rocky ridgetop in the immediate vicinity of the Horse Heaven Lookout cabin, 8,200', 8/25/80; and open subalpine grass-sedge-forb meadow in the Horse Heaven Lookout pasture just north of the Idaho-Adams Co. Line, 8,000', 8/25/80; respectively.  
Brewer 29, IDF, coarse gravel, open grassland, Jackley Mt., 8,500', 7/23/28.  
\*Christ 12570, ?NY, open west slopes, Heavens Gate, 7/12/41.  
Henderson 3859, ID, near the Little Granite-Three Crs. divide, ca. ¼ mi southwest of Hibbs Cow Camp, 7/6/77.  
\*Hermann 12036, ?US, vicinity of Cold Springs Lookout, 6,900', 8/6/55.  
Kruckeberg 3209, WS, WTU, steep slopes at end of road from Riggins (rd. 517 at Windy Saddle), 7,500', 8/1/52.  
St. John and Mullen 8511, WS, cliff crevice, Dry Diggins, 8,000', 7/21/27.  
Wellner 1681, ID, peak at north end of Pollock Mt., 8,050', 8/6/79.  
 Plus 52 Sight Records by Bingham and Miller, C. Johnson, and Tisdale.  
 Tisdale (1979) described a *Festuca idahoensis*/*Koeleria cristata* habitat type occupying much of the 5,000-6,000' grasslands of the lower Seven Devils. Later (1983) he also described a *Carex hoodii*/*Festuca idahoensis* habitat type characteristic of much of the mid-elev. Seven Devils grasslands at 6,000-8,000' elev.
- Festuca occidentalis* Hook., Western Fescue.  
Occasional, northern and central Seven Devils, 5,000-5,600'.  
C. Johnson Sight Records: Plot 791, above rd. 2060 ca. ½ mi west

- of Lost Valley Cr., 5,100', 6/29/82; Plot 792, above rd. 2060 just northeast of Lost Valley Cr., 5,220', 6/29/82; Plot 7030, along trail 110 on the Sawyer-Bear Trap Crs. ridge ca. ¼ mi east of the 6,122' hill, 5,600', 8/13/83; and Plot 7032, along trail 110 ca. 1/3 mi northeast of its jct. with the east fork of Sheep Cr. trail 58, 5,200', 8/13/83.
- Festuca rubra* L. var. *rubra*, Red Fescue.  
Scarce, central Seven Devils, 6,500-7,600'.  
Baker 12021, ID, open alpine slopes, Seven Devils Camp, 7/21/54.  
\*Christ 12624, ?NY, timbered mountainside with Douglas-fir on trail (prob. 124) to Baldy Lake, 7/15/41.
- Koeleria cristata* Pers., Prairie Junegrass.  
Common, entire Seven Devils, 5,000-7,800'.  
Bingham 268, ID and WS, northeast-facing open grassland in the *Festuca idahoensis*-*Koeleria cristata* h.t., ca. ¼ mi north of Sawpit Saddle along the low ridge near the viewpoint over Temperance Cr. and Suicide Point, beyond the end of rd. 2060, 5,050', 7/8/81.  
\*Christ 8602, ?NY, timbered mountainside, Placer Basin, 8/8/37.  
C. Johnson 8/12/83, BKR 2563, Plot 7027, east of the Dry Diggins Ridge trail 140 at the drop-off ca. 2¼ mi north of the Iron Phone at the jct. of trails 140, 112, and 57, *Festuca idahoensis*-*Antennaria* community, 7,370', 8/12/83.  
 Plus 17 Sight Records by Bingham and Miller, C. Johnson and Tisdale, Low Saddle and Cold Springs Lookout site to Hibbs Cow Camp, 5,200-7,800'.
- Melica bulbosa* Geyer var. *bulbosa*, Oniongrass.  
Frequent, entire Seven Devils, 5,200-8,000'.  
Baker 12017, ID, open alpine slopes, Seven Devils Camp, 7/21/54.  
\*Christ 8607 & 12523, ?NY, high, open mountainside, Smith Mt., 7/8/37; and open east slopes, Heavens Gate, 7/12/41; respectively.  
Christ 12471, WS, on cliffs, Seven Devils Ridge, 7/11/41.  
Henderson 3857, ID, Little Granite-Three Crs. divide ca. ¼ mi west of Hibbs Cow Camp, 7,600', 7/6/77.  
Kruckeberg 3210, WS, WTU, metamorphic outcrops on steep slopes at end of rd. from Riggins (rd. 517 at Windy Saddle), 7,500', 8/1/52.  
Lewis 2273, BOIS, OGDf, Steele Stand 72-Pa-26, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, sec. 21, T. 20 N., R. 3 W., 5,730', 6/12/72.  
St. John and Mullen 8518, WS, grassy slopes near Hibbs Cow Camp, 7/21/27.  
 Plus 3 Sight Records by C. Johnson, and Steele, along rd. 2060 near Kirkwood Cr., and along rd. 002 near the Bear-Indian Crs. divide.
- Melica spectabilis* Scribn., Showy Oniongrass.  
Uncommon, entire Seven Devils, 6,700-8,100'.  
C. Johnson Sight Records: Plot 7012, east of trail 124 in Haas Flat ca. ½ mi north of Horse Heaven Saddle, 8,070', 8/10/83; Plot 7059, west of Six Lake Basin trail 218 ca. 0.1 mi north of the Black Lake to Joes Gap Summit northwest of Pyramid Peak, 8,020', 8/30/83; Plot 7066, west of the Black Lake rd. 112 ca. 1/3 mi northeast of Rock Cr., 7,010', 8/31/83; Plot 7067, below trail 217 in the head of Deep Cr. ca. 0.1 mi northwest of the Black Lake rd. 112, 7,150', 8/31/83; and Plot 7068, below trail 217 in the head of Deep Cr. ca. ¼ mi northwest of the Black Lake rd. 112, 6,960', 8/31/83.  
Tisdale 7/12/79, IDF 80175, 400 yds. north of the site of Cold Springs Lookout, 6,700', 7/12/79.
- Melica subulata* (Griseb.) Scribn. var. *subulata*, Alaska Oniongrass.  
Scarce, northern Seven Devils, 5,100' ±.  
C. Johnson 6/29/82, BKR 2238, Plot 791, above rd. 2060 ca. ¼ mi west of Lost Valley Cr., 5,100', 6/29/82.
- Melica subulata* (Griseb.) Scribn. var. undet., Alaska Oniongrass.  
Occasional, central Seven Devils, 5,800-6,800'.

- \*Christ 12633, ?NY, Douglas-fir timbered mountainside on trail to Baldy Lake (prob. trail 124), 7/15/41.
- C. Johnson Sight Records: Plot 7019, ca. 1½ mi west of Echo Lake on trail 124, 6,610', 8/11/83; and Plot 7029, along trail 110 on the Sheep-Bills Crs. divide ca. ½ mi north of trail 140, 5,800', 8/13/83.
- Muhlenbergia filiformis* (Thurb.) Rydb., Slender Muhlenbergia.  
Scarce, southern Seven Devils, 8,000' ±.
- \*Christ 8655, ?NY, high ridges near Black Lake, 8/8/37.
- Oryzopsis hendersonii* Vasey, Henderson's Ricegrass.  
Occasional, central Seven Devils, 5,600-8,500'.
- \*Christ 8610 & 12617, ?NY, rocky slope, Smith Mt., 8/8/37; and promontory jutting into Sheep Cr. Lake No. 2 (Shelf Lake), 7/14/41; respectively.
- \*Kruckeberg 3201, ?WTU, in flats on high promontory overlooking Hells Canyon ½ mi east of Dry Diggins Lookout, 8/1/52.
- St. John and Mullen 8560, WS, rock ledge on He Devil Mt., 8,500', 7/24/27.
- Phleum alpinum* L., Mountain Timothy.  
Scarce, central Seven Devils, 8,000' ±.  
C. Johnson Sight Record, Plot 7037, west of the Old Boise Trail 101 ca. ½ mi southwest of Papoose Lake, 7,980', 8/14/83.
- Phleum pratense* L., Timothy (Eurasian introduction).  
Uncommon, northern and central Seven Devils and Rapid River, 5,000-7,200'.
- Bingham and Miller 391, ID, south-facing, open, rocky slope in an open brushfield of an old burn, ca. ½ mi up the Cannon Lake trail from the Old Boise Trail 101, 6,800', 7/27/81.
- Bingham and Miller Sight Records: along Bernard Lakes trail 56 just north of its jct. with trail 112, 7,600', 8/11/81; along the north fork Bernard Cr. trail 110 just east of McGaffee Cow Camp, 5,800', 8/12/81; along the north fork Little Granite Cr. trail 112 ca. 1/3 mi south of Hibbs Cow Camp, 7,200', 8/11/81; along the lower Rapid River trail 113 at the Circle C Fish Hatchery trailhead gate, 2,200', 6/8/82; along rd. 517 ca. ¼ mi above the 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82; and at Sawpit Saddle, 5,050', 7/8/81.
- Poa bolanderi* Vasey, Bolander's Bluegrass.  
Occasional, central and southern Seven Devils, 7,200-7,500' ±.  
Baker 12274, ID, moist ground along stream to the west of Heavens Gate (possibly near the stock-watering spring), 7/31/54.  
Bingham and Miller 143, ID, east-facing, open, rocky slope at the edge of a boulderfield, sedge-forb meadow in opening in *Abies lasiocarpa*, *Picea engelmannii*, *Pinus albicaulis* forest, along the south side of the bottom of Dog Cr. ca. 3/5 mi below the Lake, 7,500', 7/16/80.
- \*Christ 8624, ?NY, roadside, Black Lake, 8/8/37.
- Poa bulbosa* L., Bulbous Bluegrass (European introduction).  
Occasional, northern Seven Devils and Rapid River, 5,000-6,800'.
- Bingham and Miller Sight Records: along trail 104 at Big Canyon Saddle, 5,000', 6/11/82; along the Old Boise Trail 101 ca. ¼ mi south of its rd. 1819 trailhead southeast of Cold Springs Lookout, 6,800', 7/9/81; at the Circle C State Fish Hatchery trail 113 trailhead gate at the southwest end of the Hatchery, 2,200', 6/8/82; and along the west fork of the Rapid River trail 113 ca. ½ mi west of the main forks in sec. 26, 2,900', 6/9/82.
- Poa cusickii* Vasey var. *epilis* (Scribn.) Hitchc., Skyline Bluegrass.  
Uncommon, central and southern Seven Devils, 7,600-8,100'.
- Bingham and Miller 336, ID, southeast-facing, open, bedrock area in an open *Pinus albicaulis*, *Abies lasiocarpa* stand, just south of Purgatory Saddle, 7,900', 7/17/81.
- \*Christ 8668, ?NY, high slopes on Pyramid Peak, 8/8/37.  
Christ 12498, ID, under cover in conifer grove, Seven Devils Camp, 7/12/41.



- C. Johnson 8/10/83 & 8/14/83, BKR 2477 and 2483, Plot 7012, above trail 124 on Haas Flat ca. ½ mi north of Horse Heaven Saddle, 8,070', 8/10/83; and Plot 7011, west of the Old Boise Trail 101 in the Horse Heaven Lookout pasture, 8,040', 8/10/83; respectively.
- Plus 2 Sight Records by Bingham and Miller and C. Johnson.
- Poa cusickii* Vasey var. undet., Cusick's or Skyline Bluegrass.  
Tisdale 7/15/78, IDF 79037, mountain grassland, Seven Devils Guard Station pasture, 7,300', 7/15/78.
- Poa nervosa* (Hook.) Vasey var. *wheeleri* (Vasey) Hitchc., Wheeler's Bluegrass.  
Common, entire Seven Devils, 5,100-7,600'.
- Bingham 323, ID and WS, lakeshore at edge of moderately dense *Abies lasiocarpa*, *Picea engelmannii*, *Pinus contorta* forest, northwest shore of Black Lake, 7,200', 7/17/81.
- Christ 12568, ID, open west slopes of Heavens Gate, 7/12/41.
- Henderson 3862, ID, Little Granite - Three Crs. divide ca. ¼ mi west of Hibbs Cow Camp, 7/6/77.
- Lewis 2274, BOIS, OGDF, near Steele Stand 72-Pa-25, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, sec. 21, T. 20 N., R. 3 W., 5,730', 6/12/72.
- Tisdale 7/13/78, 7/14/78, & 7/11/79, IDF 79036, 79040, and 80161, vicinity of Cold Springs Cow Camp, 6,700', 7/13/78; vicinity of Seven Devils Guard Station pasture, 7,400', 7/14/78; and 400 yd. north of Cold Springs Lookout, 6,500', 7/11/79; respectively.
- Plus 16 Sight Records by C. Johnson and Steele.
- Poa nevadensis* Vasey, Nevada Bluegrass.  
Scarce, southern Seven Devils, 5,100-5,700'.
- Lewis 2275a, BOIS, Steele Stand 72-Pa-25, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, sec. 21, T. 20 N., R. 3 W., 5,730' (actually stand is at 5,130' and, 6/12/72 Lewis was collecting for Steele, see below).
- Steele Sight Record, Stand 72-Pa-25, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,130', 6/12/72.
- Poa pratensis* L., Kentucky Bluegrass.  
Scarce, central Seven Devils and Rapid River, 6,500' ±.
- Bingham and Miller Sight Record, at the trail 113 trailhead gate at the southwest end of the Circle C State Fish Hatchery, in the trail, 2,200', 6/8/82.
- C. Johnson Sight Record, Plot 7034, just west of the Old Timer Mine and cabin along trail 110, 6,470', 8/13/83.
- Poa secunda* Presl (incl. *P. gracillima* Vasey and *Poa sandbergii* Vasey), Sandberg's Bluegrass.  
Common, entire Seven Devils and west fork Rapid River, 5,000-9,400'.
- Baker 12054 & 12278, ID, open alpine slopes, Seven Devils Camp, 7/21/54; and open, gravelly slopes west of Seven Devils Camp, 7/31/54; respectively.
- Bingham and Miller 49, 60, & 99, ID, in bedrock crevices ca. 0.2 mi south of the Tower-of-Babel--She Devil Mt. saddle on the north end of She Devil Mt., 9,050', 7/23/79; in crevices on cliffs just on the Mirror Lake side of the Bridge-Sheep Crs. divide at Goat Pass, ca. 0.2 mi west of Mirror Lake, 8,400', 7/24/79; and ca. 50' south and 25' below the summit of He Devil Mt. on a bedrock ledge, 9,370', 7/26/79; respectively.
- \*Christ 12462 & 12569, ?NY, cliff crevices, Seven Devils Ridge, 7/11/41; and open west slopes, Heavens Gate, 7/12/41; respectively.
- Plus 29 Sight Records by Bingham and Miller, C. Johnson, and Tisdale, Big Canyon Saddle to Lockwood Saddle, 5,050-8,100'.
- Puccinellia pauciflora* (Presl) Munz var. *holmii* (Beal) Hitchc., Weak Alkaligrass.  
Scarce, central and southern Seven Devils, 7,200' ±.
- Bingham and Miller 444, ID, southeast shore of Ruth Lake, 7,200', 8/17/81.
- \*Christ 8637, ?NY, colony on shore of Black Lake, 8/8/37.

*Sitanion hystrix* (Nutt.) J. G. Smith var. *brevifolium* (J. G. Smith)

Hitchc., Small-leaved Squirrel-tail.

Uncommon, entire Seven Devils, 5,000-9,000'.

Baker 12020, ID, Seven Devils Camp, 7/21/54.

Bingham and Miller 204, ID and WS, northeast-facing, open, bedrock area with fine loam between rocks supporting a grass-sedge-forb stand, in an open *Abies lasiocarpa*-*Pinus albicaulis* forest in the immediate vicinity of Horse Heaven Lookout cabin, 8,200', 8/25/80.

\*Christ 8711, 12478, & 12705, ?NY, high ridges and rocky exposures near Black Lake, 8/8/38; slopes on crest of Seven Devils Ridge, 7/11/41; and slide rock in west slopes along the Sheep Cr. trail (112), 7/17/41; respectively.

\*Nelson and Nelson 3007, ?RM, top of He Devil, 8/10-15/38.

Plus 2 Sight Records by Bingham and Miller, Sawpit Saddle and Dry Diggins Ridge trail 140, 5,000-7,300'.

*Sitanion hystrix* (Nutt.) J. G. Smith var. *hystrix*, Squirrel-tail.

Frequent, central and southern Seven Devils, 7,000-8,000'.

Ten C. Johnson Sight Records: shores of Haas Lake, 7,240', 8/9/83; Horse Heaven Lookout pasture, 8,040', 8/10/83; ca. 0.1 mi west of Potato Hill, 7,730', 8/10/83; 1 mi south of Hibbs Cow Camp, 7,050', 8/11/83; along trail 101 ca. 1/3 mi south of The Narrows, 7,660', 8/14/83; ca. 0.1 mi north-west of Stevens Saddle, 7,710', 8/20/83; 2d lake of Six Lake Basin going west on trail 217, 7,360', 8/30/83; Horse Pasture Basin, 7,620', 8/30/83; 1/3 mi northeast of Rock Cr. along rd. 112, 7,010', 8/31/83; and head of Deep Cr. ca. 1/2 mi northwest of rd. 112 in High Dive cirque, 7,150', 8/31/83.

*Sitanion hystrix* (Nutt.) J. G. Smith var. *undet.*, Squirrel-tail.

Brewer 111, IDF, sec. 36, T. 22 N., R. 2 W. (prob. along trail 191 2+ mi east of Black Lake), 6,500', 8/18/30.

*Stipa lettermannii* Vasey, Letterman's Needlegrass.

Scarce, central and southern Seven Devils, 7,300-7,600'.

\*Christ 8705, ?NY, on slopes above Black Lake, 8/8/37.

Kruckeberg 3202, WTU, in flats on high promontory overlooking Hells Canyon of Snake River 1/2 mi east of Dry Diggins Lookout, 8/1/52.

*Stipa occidentalis* Thurb. var. *minor* (Vasey) Hitchc., the variety of Western Needlegrass lacking long lemma-tip hairs but with glabrous and short awns (syn. *S. columbiana* Macoun v. *columbiana*, Columbia Needlegrass).

Uncommon, northern and central Seven Devils, 6,800-8,200'.

C. Johnson Sight Records: Plot 7009, above trail 101 southeast of Haas Lake overlooking Mill Cr. ca. 0.8 mi east of Horse Heaven Saddle, 7,350', 8/9/83; Plot 7012, above trail 124 and 150' below the rim overlooking Haas Basin on Haas Flat ca. 1/2 mi north of Horse Heaven Saddle, 8,070', 8/10/83; Plot 7051, along trail 192 ca. 1/4 mi east of Deb's Corral at the jct. of trails 189 and 192, 7,000', 8/20/83; Plot 7071, east of the Old Boise Trail 101 in the head of Kessler Cr., ca. 2 mi south of the rd. 1819 trailhead southeast of Cold Springs Lookout, 6,780', 9/1/83; and Plot 7075, ca. 0.1 mi southwest of Heavens Gate Lookout, 8,170', 9/2/83.

*Stipa occidentalis* Thurb. var. *nelsonii* (Scribn.) Hitchc., the variety of Western Needlegrass without long lemma-tip hairs but with glabrous and long awns (syn. *S. columbiana* Macoun var. *nelsonii* [Scribn.] St. John, Nelson's variety of Columbia Needlegrass).

Occasional, central Seven Devils, 8,000-8,200'.

Bingham and Miller 209 & 228, ID and WS, moderately dry, exposed, subalpine ridgetop with a sedge-forb stand in an open *Abies lasiocarpa*-*Pinus albicaulis* forest immediately northeast of the Horse Heaven Lookout cabin, 8,200', 8/25/80; and gently south-facing, open, subalpine meadow with a grass-sedge-forb stand in the Horse Heaven Lookout pasture just north of the Idaho-Adams Co. Line, 8,000', 8/25/80; respectively.

- St. John and Mullen 8521, WS, rocky crest of Dry Diggins, 8,000', 7/22/27.
- Stipa occidentalis* Thurb. var. *occidentalis*, the variety of Western Needlegrass with semi-plumose awns.
- Frequent, central and southern Seven Devils, 7,000-8,000'.
- 11 C. Johnson Sight Records: Six Lakes Basin, Horse Pasture Basin head of Deep Cr. northwest of rd. 112, Horse Heaven Lookout pasture, vicinity of Potato Hill, along trail 112 south of Hibbs Cow Camp, at the drop-off on Dry Diggins Ridge, along trail 101 south of The Narrows, and along trail 101 southwest of Papoose Lake, Stevens Saddle, and head of Deep Cr., 6,960-8,040'.
- Stipa occidentalis* Thurb. var. intermediate between var. *minor* (Vasey) Hitchc. and var. *occidentalis*, Western Needlegrass.
- Scarce, southern Seven Devils, 7,000' ±.
- C. Johnson Sight Record, Plot 7066, above the Black Lake rd. 112 ca. 1/3 mi northeast of Rock Cr., 7,010', 8/31/83.
- Stipa occidentalis* Thurb. var. undet., Western Needlegrass.
- Bingham and Miller Sight Records: along trail 101 northwest of Papoose Lake, Dry Diggins Lookout, along Dry Diggins Ridge trail 140 2 mi north of the Iron Phone, along trail 112 1/3 mi south of Hibbs Cow Camp, along trail 101 1/2 mi southwest of Horse Heaven Cr., along trail 218 just west of the summit between Black Lake and Joes Gap, and along trail 124 in the switchbacks at the head of the south fork of Devils Farm Cr., 7,000-8,000'.
- Brewer 120, Council R.D., Jackley Guard Station (apparently near the Lookout), sec. 13, T. 22 N., R. 3 (?2) W., 7,000', 8/17/38.
- Steele Sight Records: Stand 72-Pa-25 and 26, Bear-Cuprum rd. 002, above Huntley Gulch and at the Bear-Indian Crs. divide, 5,100-5,130', 6/12/72.
- Tisdale Sight Records: vicinities of Cold Springs Cow Camp, Cold Springs Lookout, Bald Mt., and Seven Devils Guard Station, 6,600-7,800', 7/11-17/79.
- Trisetum canescens* Buckl., Tall Trisetum.
- Occasional, central Seven Devils, 5,200-5,700'.
- C. Johnson Sight Records: Plot 7030, below trail 110 on the Sawyer-Bear Trap Crs. ridge at the bottom of the 1st switchback going east from McGaffee Cow Camp, 5,600', 8/13/83; Plot 7032, above trail 110 ca. 1/2 mi northeast of its jct. with trail 58, 5,200', 8/13/83; and Plot 7033, below trail 110 on the Log Cr. side of the Log-Old Timer Crs. ridge ca. 1 mi above the jct. with 58, 5,720', 8/13/83.
- Trisetum spicatum* (L.) Richter, Downy Oatgrass.
- Common, central and southern Seven Devils, 5,100-8,400'.
- Baker 12026 & 12075, ID, open alpine slopes, Seven Devils Camp, 7/21/54; and dry, gravelly soil on rocky point above 7 Devils Guard Station, 7/21/54; respectively.
- Bingham and Miller 59 & 208 and Bingham 337, ID, and Bingham and Miller 155, ID and WS, southeast-facing bedrock cliff crevices immediately southeast of Goat Pass on the Mirror Lake side of the Bridge-Sheep Creeks divide, 8,400', 7/29/79; moderately dry, exposed and open rocky ridgetop with a sedge-forb meadow in a large forest opening, immediately northeast of the Horse Heaven Lookout cabin, 8,200', 8/25/80; open bedrock area with an *Abies lasiocarpa*-*Pinus albicaulis* stand, along trail 214 just south of Purgatory Saddle, 7,900', 7/17/81; and ca. 0.1 mi northeast of Hanson Cr. in a large forest opening on a gentle southeast-facing slope with a sedge-forb meadow just below the Old Boise Trail 101, 6,800', 7/17/80; respectively.
- \*Christ 8669 & 12563, ?NY, rocky ridge on Pyramid Peak, 8/8/37; and open west slopes, Heavens Gate, 7/12/41; respectively.
- Henderson 3860, ID, near the Little Granite-Three Crs. divide ca. 1/4 mi west of Hibbs Cow Camp, 7/6/77.
- C. Johnson 8/30/83, BKR 2581, Plot 7064, east of trail 217 in

Horse Pasture Basin ca.  $\frac{1}{4}$  mi southeast of Joes Gap, fire succession community, 7,620', 8/30/83.  
\*Nelson and Nelson 3005, ?RM, top of He Devil, 8/10-15/38.  
Sharp and McKendrick 9/2/65, ID 83013, openings in woods, Heavens Gate Lookout, 9/2/65.  
Wellner 1677, ID, ca.  $\frac{1}{4}$  mi north of the lookout on Pollock Mt., 8,050', 8/6/78.  
Plus 18 Sight Records by Bingham and Miller and C. Johnson.

## Polemoniaceae

- Collomia debilis* (Wats.) Greene var. *debilis*, Alpine Collomia.  
Uncommon, central and southern Seven Devils, 7,100-8,800'.  
Bingham and Miller 63, ID, open, loose, small-rock talus on the steep talus slope between Goat Pass and Mirror Lake, 8,300', 7/24/79.  
\*Christ 8666, ?NY, in sand and rockslides, Pyramid Peak (southwest of Black Lake), 8/8/37.  
Henderson 3853, ID, talus along the south side of trail 112 ca.  $\frac{1}{2}$  mi eastward from the Windy Saddle trailhead, 7/7/77.  
St. John and Mullen 8566, WS, loose rock near summit of He Devil Mt., 8,800', 7/24/27.  
Plus 1 Sight Record by Bingham and Miller.
- Collomia grandiflora* Dougl., Large-flowered Collomia.  
Occasional (mostly at lower elevs.), central Seven Devils and Rapid River, 5,000' minus.  
Baker 11989, ID, dry rocky banks along Papoose Cr., 4 mi west of Riggins, ? elev., 7/21/54.  
Bingham and Miller 487, ID and WS, open south-facing slope with an *Agropyron spicatum*/forb stand along the lower Rapid River ca.  $1\frac{1}{4}$  mi above the Circle C State Fish Hatchery, 2,400', 6/8/82.  
Plus 1 Sight Record by Bingham and Miller, in west fork Rapid River just west of the main forks, 2,800', 6/8/82.
- Collomia linearis* Nutt., Narrow-leaf Collomia.  
Common, entire Seven Devils, 5,000-8,000'.  
Baker 12068, ID, rocky point above Seven Devils Guard Station, 7/21/54.  
Bingham and Miller 145, ID and WS, open, east-facing, sedge-forb meadow in the bottom of Dog Cr. ca.  $\frac{3}{5}$  mi below Dog Lake, 7,500', 7/16/80.  
Plus 23 Sight Records by Bingham and Miller, C. Johnson, Steele, and Tisdale, Big Canyon Saddle to Black Lake, 5,000-8,100'.
- Collomia tinctoria* Kell., Yellow-staining Collomia.  
Scarce, central Seven Devils, 7,000-8,000'.  
Christ 12675, ID and WS, sliderock, Sheep Cr. trail, 7/17/41.
- Gilia aggregata* (Pursh) Spreng. var. *aggregata*, Scarlet Gilia.  
Frequent, entire Seven Devils and Rapid River, 5,000-7,800'.  
Baker 12051, ID, open alpine slopes, Seven Devils Camp, 7/21/54.  
Bingham and Miller 103, ID, and 201, ID and WS, open, rocky, south-facing slope above the Seven Devils Campground rd. ca.  $\frac{1}{4}$  mi southwest of Windy Saddle, 7,600', 7/26/79 (this population includes a very small proportion of forms with light cream-yellow, flaring corollas considered to be mutants, not the Rocky Mt. variety *attenuata* Gray); and sandy-gravelly, south-facing rocky slope with an open sedge-grass-forb stand, ca.  $\frac{1}{4}$  mi east of Horse Heaven Saddle, 7,200', 8/24/80; respectively.  
Pennell 20820, PH, rocky, rhyolitic soil, Smith Mt. north of Bear, 7,500-7,700', 7/9/37.  
Plus 12 Sight Records by Bingham and Miller, and C. Johnson, Camp Howard Triangulation Station to Black Lake, 6,050-7,800'.
- Leptodactylon pungens* (Torr.) Nutt., Leptodactylon.  
Scarce, Rapid River only, 2,800'  $\pm$ .  
Bingham and Miller Sight Record, ca.  $\frac{1}{4}$  mi up the west fork Rapid River trail 113 from the main forks in sec. 26, 2,800', 6/9/82.

- Linanthastrum nuttallii* (Gray) Ewan, Nuttall's Linanthastrum.  
Frequent, central and southern Seven Devils, 6,700-8,500'.  
Bingham and Miller 82 & 117, ID, south-facing, open and exposed cliff base along trail 123 ca. 1/8 mi west of Sheep Lake, 8,200', 7/25/79; and south-facing, open bedrock and talus slopes ca. 0.1 mi north of Hanson Cr. and 0.2 mi east of Lower Hanson Lake, 7,900', 7/15/80; respectively.  
 \*Christ 8691, ?NY, crevices in high cliffs near Black Lake, 8/8/37.  
Christ 12703, WS, sliderock in west slopes along Sheep Cr. trail (112), 7/17/41.  
 \*Packard 345, ?WS, on moist, rocky soil along the Brundage Trail (112) between the forks of Sheep Cr., 6,000' (prob., nearer 6,800'), 6/30/37.  
 \*Nelson and Nelson 3022, ?RM, Horse Heaven, 8/10-15/38.  
St. John and Mullen 8538, WS, lava rockslide on He Devil Mt., 8,500', 7/23/27.  
Wellner 1699, ID, slopes northeast and above Little Baldy Lake, 7,200', 8/22/78.  
 Plus 6 Sight Records by Bingham and Miller.
- Linanthus harknessii* (Curran) Greene, Harkness' Linanthus.  
Scarce, central Seven Devils, 7,300' ±.  
St. John and Mullen 8524, WS, gravelly slide, Dry Diggins, 8,000', 7/22/27.
- Microsteris gracilis* (Hook.) Greene var. *humilior* (Hook.) Cronq., the east Cascadian variety of *Microsteris*.  
Uncommon, northern and north-central Seven Devils, 5,300-6,700'.  
C. Johnson Sight Records: Plot 786, just north of Caribou Cr. ca. ½ mi down the creek from rd. 2060, 5,260', 6/27/82; Plot 793, just southwest of Grave Point Lookout, 5,550', 6/29/82; Plot 999, northwest of rd. 1819 southwest of Cold Springs Cow Camp, 6,700', 7/1/83; Plot 7028, north of trail 110 ca. ¼ mi west of McGaffee Cow Camp, 5,900', 8/13/83; Plot 7034, just west of trail 110 at the Old Timer Mine and Spring, 6,470', 8/13/83; and Plot 7035, ca. ¼ mi west of the Old Timer Mine and cabin, 6,550', 8/14/83.
- Navarretia intertexta* (Benth.) Hook. var. *propinqua* (Suksd.) Brand, the short-corolla variety of the Needle-leaf Navarretia.  
Scarce, northern Seven Devils, 5,200' ±.  
Bingham 539, ID, open, rocky gently west-sloping hillside near ridgetop with shallow, vernal wet soil over basalt, ca. 0.3 mi south from Cow Cr. Saddle along rd. 420, 5,240', 7/21/82.
- Phlox austromontana* Coville, Desert Phlox.  
Frequent, central and southern Seven Devils, 7,000-8,400'.  
Bingham and Miller 15, and Bingham 349, ID, bedrock crevices in open ridgetop, ca. 0.2 mi southwest of Heavens Gate Lookout, 8,350', 7/21/79; and south-facing mostly open, moderately dry, rocky hillside in an open *Abies lasiocarpa*, *Pinus albicaulis* forest bordering a large boulder talus ca. 0.2 mi southwest of the largest and northeasternmost of the lakes in Six Lake Basin, 7,540', 7/18/81; respectively.  
Christ 12549, ID, and 12559, ID and WS, on rocky shingle of ridge, Heavens Gate Ridge, 7/12/41; and grassy, semiopen slopes, Heavens Gate Ridge, 7/12/41; respectively.  
Ownbey and Meyer 2097, WS, vicinity of Heavens Gate, 6/27/40.  
 \*Packard 333, ?WS, open flat in Dry Diggins area, 7,000', 6/29/37.  
St. John and Mullen 8466, WS, Dry Diggins area, 7,000', 7/20/27.  
Tisdale 7/17/79, IDF 81079, vicinity of Seven Devils Guard Station, 7,500', 7/17/79.  
Wellner 1683, ID, north of the Lookout on Pollock Mt., 8,050', 8/6/78.  
Wherry 2541, WS, Black Lake, 7/3/40.  
 Plus 3 Sight Records by Bingham and Miller.
- Phlox colubrina* Wherry and Const., Snake River Phlox.  
Scarce (mostly at lower elevs.) northern Seven Devils and Rapid River, 5,000-5,600'.

Bingham and Miller Sight Record, along the lower Rapid River trail 113 on a small, grassy-weedy bench ca. 0.1 mi above the Circle C State Fish Hatchery trailhead gate, 2,250', 6/8/82.

C. Johnson Sight Record, Plot 793, ca. 200' southwest of the Grave Point Lookout tower below the rd., 5,550', 6/29/82.

*Phlox diffusa* Benth. var. *longistylis* (Wherry) Beck., the long-styled variety of Spreading Phlox.

Scarce, central Seven Devils, 7,900-8,400'.

Q. Jones 194, ID and WS, grassy meadow, Heavens Gate Ridge, 7/11/50 (but found to be intermediate with *P. austromontana* Cov., teste Henderson and Bingham).

C. Johnson Sight Record, Plot 7076, east of the Heavens Gate rd. and ca. 1/3 mi south of the lookout parking area, 7,930', 9/2/83 (relation to *P. austromontana* not stated).

*Phlox viscida* E. Nels., Sticky Phlox.

Uncommon, northern Seven Devils, 5,000-5,600'.

Bingham 455, ID and WS, open basalt-rock slope near ridgetop with a sparse grass-forb-rigid sage stand, immediately north of rd. 420 at Cow Cr. Saddle, 5,250', 5/25/82.

C. Johnson Sight Records, Plot 781, on the table lands ca. 1/4 mi south-southeast of Dixon Corrals, 5,150', 6/25/82; and Plot 793, just southwest of the Grave Point Lookout tower, below the rd., 5,550', 6/29/82.

Meyer 1610, WS, steep open grassy slope above the east side of Sheep Cr., ? elev., 5/12/39.

Packard 80, WS, 4 mi above the mouth of Sheep Cr., 4,000-5,000', 5/16/36.

*Polemonium pulcherrimum* Hook. (vars. considered weak, not used), Skunk-leaved Jacob's Ladder.

Abundant, entire Seven Devils, 5,700-8,500'.

Baker 12023, ID, open alpine slopes, Seven Devils Camp, 7/21/54.

Bingham and Miller 28 & 89, ID, openings in west-facing rock-boulder slope at the edge of a moderately open *Abies lasiocarpa*, *Pinus albicaulis* forest, just west of the main Snake-Salmon Rivers divide ca. 0.2 mi southwest of Heavens Gate Lookout, 8,300', 7/21/79; and in the open on a steep, gravelly, northeast-facing slope at the foot of the northwest ridge off He Devil Mt., 8,450', 7/26/79; respectively.

Brewer 107, IDF, at Rock Cr. along the Black Lake rd. 112, 6,500', 7/25/30.

\*Christ 8663, 12497, & 12538, ?NY, in meadow in cirque, Pyramid Peak, 8/8/37; in crevices in conifer grove, Seven Devils Camp, 7/12/41; and in tundra on peaks, Heavens Gate, 8,500'. (not over 8,430'), 7/12/41; respectively.

Christ 12482, ID and WS, and 12497, ID, north side of trees, Seven Devils Ridge, 7/11/41; and under conifers, Seven Devils Camp, 7/12/41; respectively.

\*Hermann 12048, ?NA, vicinity of Heavens Gate Lookout, 8,400', 8/6/55.

C. Johnson 8/19/83, BKR 2472, Plot 7041, east of trail 214 ca. 1/4 mi north of Purgatory Saddle, *Abies lasiocarpa*/*Luzula hitchcockii* community, 7,510', 8/19/83.

Q. Jones 195, ID and WS, under *Pinus albicaulis*, Heavens Gate, 7/12/50.

Nelson and Nelson 2995, RM, Dry Diggins Lookout, 8/10-15/38.

Packard 298, WS, moist thicket below Hibbs Cow Camp, 7,600', 6/26/37.

\*Pennell 20809 & 20812, ?PH, clefts of rhyolitic rock, Smith Mt., 7,500-7,700', 7/9/37; and moist slopes, Black Lake, 7,200-7,700', 7/9/37; respectively.

St. John and Mullen 8477, WS, woods, Dry Diggins, 6,500', 7/20/27.

Plus 50 Sight Records by Bingham and Miller and C. Johnson, including vicinities of Cold Springs Lookout site and Myers Cr.

*Polemonium viscosum* Nutt., Sticky Jacob's Ladder.

Uncommon, high central Seven Devils, 8,700-9,300'.

Bingham and Miller 40, 85, & 97, ID, exposed bedrock crevices on the summit of She Devil Mt., 9,300', 7/23/79; soil pockets atop large boulders in the mammoth boulder field immediately north of the summit of He Devil Mt., 8,700', 7/26/79; and on the small, bedrock bench ca. 50' south and 25' below the summit of He Devil Mt., 9,370', 7/26/79; respectively.

Christ 12460, ID, between rock walls on talus, Seven Devils Ridge, 7/11/41.

\*Nelson and Nelson 2962, ?RM, summit of He Devil, 8/10-15/38.  
St. John and Mullen 8571, WS, rock crevice on He Devil Mt., 9,100', 7/24/27.

## Polygonaceae

*Eriogonum compositum* Dougl. var. undet., Northern Buckwheat.

Scarce, southern Seven Devils, 5,000' ±.

\*Christ 11066, ?NY, on mountainside in Snake River Gorge west of Cuprum, ? elev., 5/30/40.

*Eriogonum flavum* Nutt. var. *piperi* (Greene) Jones, Piper's Yellow Buckwheat.

Abundant, entire Seven Devils, 6,700-8,400'.

Baker 11297, 11312, & 12004, ID, grassy north slope, Kinney Point, 9/3/53; moist, open grassy slope, Sheep Rock, 9/3/53; and open alpine slopes, Seven Devils Camp, 7/21/54; respectively.

Bingham and Miller 69 & 83, ID, on an open, bedrock outcrop immediately behind Seven Devils Guard Station, 7,200', 7/24/79; and on the south-facing, rocky slope along trail 123 ca. 1/8 mi west of the south end of Sheep Lake, 8,000', 7/25/79; respectively.

Christ 8707 & 12500, ID, raw, gravelly slopes of high ridges near Black Lake, 8/8/37; and grassy slopes, Seven Devils Camp, 7/12/41.

\*Christ 12600, ?NY, crest of ridge, Heavens Gate, 7/13/41.

\*Hermann 12040, ?US, summit of ridge at Cold Springs Lookout, 7/6/55.

Q. Jones 216, WS, vicinity of Heavens Gate Lookout, 7/13/50.

Kruckeberg 3190, WS, WTU, open meadowy hillside above Seven Devils Forest (Guard) Station, 2 mi below Saddle (prob. Windy Saddle), 7,000', 7/30/52.

LaZelle 22, ID, open, gravelly, south-facing slope 1/4 mi north of Seven Devils Administrative Site (Guard Station), 7,400', 7/29/63.

\*Nelson and Nelson 2987, ?RM, Horse Heaven, 8/10-15/38.

Packard 337, WS, vicinity of Hibbs Cow Camp, 7,800', 6/29/37.

St. John and Mullen 8499 & 8609, WS, rocky crest, Dry Diggins, 7,300', 7/20/27; and Sheep Cr. Narrows, 6,800' (prob. The Narrows along the Old Boise Trail ca. 1 mi north of Bald Mt.), 7/26/27; respectively.

Wellner 1682 & 1693, ID, peak at the north end of Pollock Mt., 8,050', 8/6/78; and ca. 1/8 mi west of the south end of Sheep Lake along trail 123, 8,000', 8/21/78; respectively.

Plus 38 Sight Records by Bingham and Miller, C. Johnson, and Tisdale.

*Eriogonum heracleoides* Nutt. var. *angustifolium* (Nutt.) Torr. and Gray, the narrow-leaved variety of the Parsley-leaved Buckwheat.

Uncommon, entire Seven Devils, 6,600-8,000'.

Bingham and Miller 149 & 216, ID and WS, in the small meadow ca. 0.1 mi northeast of Hanson Cr. along the Old Boise Trail 101, 6,800', 7/17/80; and in the open rimrock at the east edge of the Horse Heaven Lookout pasture just north of the Idaho-Adams Co. Line, 7,850', 8/25/80; respectively.

Kruckeberg 3204, WS, WTU, on rocky slope and in crevices just below Dry Diggins Lookout, 8/1/52.

Packard 432, WS, dry, open flat, vicinity of Hibbs Cow Camp, 8,000', 7/26/38.

Plus 4 Sight Records by Bingham and Miller, Sawpit Saddle to Purgatory Saddle, 5,000-7,900'.

- Eriogonum heracleoides* Nutt. var. *heracleoides*, the wide-leaved variety of Parsley-leaved Buckwheat.
- Abundant, entire Seven Devils and west fork Rapid River, 5,000-8,000'.
- Baker 12050, ID, open alpine slopes, Seven Devils Camp, 7/21/54.
- Bingham and Miller 393, ID and WS, open *Pseudotsuga menziesii* forest on rocky, southeast-facing slope along the Old Boise Trail ca. 0.1 mi north of the Cannon Lake trail, 6,500', 7/27/81.
- Christ 8598, ID, Smith Mt., 8/8/37.
- Lewis 2208 (?2280a), BOIS, OGDF, Steele Stand 72-Pa-25, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,130', 6/12/72.
- \*Nelson and Nelson 2966, RM, Dry Diggins Ranger Station, 8/10-15/38.
- Plus more than 48 Sight Records by Bingham and Miller, C. Johnson, and Tisdale, Big Canyon Saddle to Lockwood Saddle, 5,000-7,800'.
- Eriogonum heracleoides* Nutt. var. undet., Parsley-flowered Buckwheat.
- \*Christ 12692, ?NY, sliderock on west slopes along Sheep Cr. trail (prob. trail 112), 7/17/41.
- Plus 1 Sight Record by Steele.
- Eriogonum niveum* Dougl., Snow Buckwheat.
- Scarce (mostly at lower elevs.), northern Seven Devils and Rapid River, 5,000' ±.
- Bingham and Miller Sight Records: on rocky ridge at Sawpit Saddle, 5,050', 7/8/81; and along the west fork of the Rapid River trail 113, ca. 0.1 mi west of the main forks in sec. 26, 2,800', 6/9/82.
- Eriogonum ovalifolium* Nutt. var. *depressum* Blank., the greenish-leaved variety of Cushion Buckwheat.
- Occasional, central Seven Devils, 8,000-9,400'.
- Baker 12005, ID, open alpine slopes, Seven Devils Camp, 7/21/54.
- Q. Jones 209, ID, rocky soil on exposed ridges, Heavens Gate, 7/12/50.
- \*Nelson and Nelson 3015, RM, top of He Devil, 8/10-15/38 (prob. the same plant as immediately below).
- Eriogonum ovalifolium* Nutt. var. *nivale* (Canby) Jones, the white-leaved variety of Cushion Buckwheat (prob. the same plant as Nelson and Nelson 3015, above).
- Scarce, high central Seven Devils, 9,200-9,400'.
- Bingham and Miller 46 & 95, ID, bedrock crevices ca. 150' north of the summit of She Devil Mt., 9,275', 7/23/79; and bedrock bench ca. 50' south and 25' below the summit of He Devil Mt., 9,370', 7/26/79; respectively.
- St. John and Mullen 8542, WS, summit of He Devil, 9,200', 7/24/27.
- ?*Eriogonum ovalifolium* Nutt. var. *ovalifolium*, Cushion Buckwheat.
- Christ 12483, ID and WS, crags and slopes, Seven Devils Ridge, 7/11/41 (but the typical variety is supposed to be a plains and sagebrush desert plant; prob. one of the varieties above).
- Eriogonum ovalifolium* Nutt. var. undet., Cushion Buckwheat.
- Christ 8417, ID, high, rocky ridge near Black Lake, 8/8/37.
- Eriogonum sphaerocephalum* Dougl. var. *halimoides* (Gangd.) Stokes, the whitish-perianthed variety of Rock Buckwheat.
- Scarce, southern Seven Devils, 5,000' ±.
- Christ 8589, ID, on basalt scabland 6 mi north of Bear (prob. along rd. 105 south of the Black Lake rd. 112), 8/8/37.
- E. Johnson 7/20/31, Herb. unknown, Black Lake to Bear P.O., Seven Devils Mt., 7/20/31 (from Hitchcock and others, Pt 2, p. 131, 1964).
- Eriogonum umbellatum* Torr. var. *stellatum* (Benth.) Jones, the variety of Sulphur Buckwheat having branched umbel rays and tomentose leaves.
- Scarce, southern Seven Devils, 6,000-8,000'.
- \*Christ 8615, ?NY, gravel slide, Smith Mt. rd., 8/8/37.
- Eriogonum umbellatum* Torr. var. *umbellatum*, Sulphur Buckwheat.
- Scarce, central Seven Devils, 7,200' ±.
- Baker 12082, ID, dry, gravelly soil on a point above Seven Devils Guard Station, 7/21/54.



*Eriogonum umbellatum* Torr. var. undet., Sulphur Buckwheat.

\*Christ 12622, ?NY, on andesite knolls of dissected plateau, Hibbs Cow Camp, 7/15/41.

*Oxyria digyna* (L.) Hill, Mountain Sorrel.

Frequent, central and southern Seven Devils, 7,600-9,300'.

Baker 12264, ID, dry, gravelly hillside on the west slope of Heavens Gate, 7/31/54.

Bingham and Miller 14 & 45, ID, and 224, ID and WS, protected west-facing slope in the lee of boulders on the main Snake-Salmon Rivers divide, with sparse but lush, low, subalpine forb vegetation, 0.2 mi south-southwest of Heavens Gate Lookout, 8,350', 7/21/79; crevices in open, bedrock ridgetop, summit of She Devil Mt., 9,300', 7/23/79; and 3/4-open, west-facing talus slope with luxuriant forb stand recently under snowbank, under the rimrock along the northwest edge of the Horse Heaven Lookout pasture ca. 1/4 mi southwest of the Lookout cabin, 8,000', 8/25/80; respectively.

\*Christ 8678, 12447, & 12544, ?NY, among rocks on talus slope on Pyramid Peak, 8/8/37; on cliffs above Seven Devils Lake, 7/11/41; and in lee of cliffs on peak, Heavens Gate, 7/12/41; respectively.

St. John and Mullen 8575, WS, He Devil Mt., 9,000', 7/24/27.

Plus 12 Sight Records by Bingham and Miller.

*Polygonum aviculare* L., Doorweed.

Scarce (mostly at lower elevs.), central Seven Devils, 5,000' ±.

Bingham and Miller 578, ID and WS, open gravelly roadbed of rd. 517 ca. 1/4 mi above its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.

*Polygonum bistortoides* Pursh, Bistort.

Frequent, central and southern Seven Devils, 7,000-7,800'.

Bingham and Miller 421, ID, 2/3 open, deep silty loam, moderately moist flat in an open *Abies lasiocarpa*, *Picea engelmannii*, *Pinus contorta* forest, along trail 112 on the low ridge at the very head of Bernard Cr., ca. 1/2 mi southwest of the jct. of trails 112, 57, and 140 at the Iron Phone, 7,400', 8/10/81.

\*Christ 12642 & 12715, ?NY, small meadow in talus, Sheep Cr. Lake No. 3 (Gem Lake), 7/16/41; and in marsh at Lily Pad Lake, 7/17/41; respectively.

Packard 307, WS, rocky, springy hillside near 2d Sheep Cr.

Lake (Shelf Lake), 8,300', (lake lies at 7,350'), 6/27/37.

St. John and Mullen 8481, WS, Dry Diggins, 7/20/27.

Plus 5 Sight Records by Bingham and Miller, Dry Diggins Ridge to south of Joes Gap, 7,000-7,800'.

*Polygonum douglasii* Greene var. *douglasii*, Douglas Knotweed.

Scarce, central Seven Devils, 6,900' ±.

C. Johnson Sight Record, Plot 7045, east of trail 214 ca. 1/2 mi south of Stevens Saddle, 6,900', 8/19/83.

*Polygonum douglasii* Greene var. *latifolium* (Engelm.) Greene, the montane variety of Douglas Knotweed, or Mountain Knotweed.

Common, entire Seven Devils, 5,200-8,100'.

Baker 11325 & 12048, ID, dry hillside 6 mi north of Cuprum (prob. along rd. 106), 9/3/53; and open alpine slopes, Seven Devils Camp, 7/21/54; respectively.

Bingham and Miller 218A, ID and WS, gently south-sloping, open sedge-forb meadow at the east edge of the Horse Heaven Lookout pasture just north of the Idaho-Adams Co. line, 7,850', 8/25/80.

Plus 19 Sight Records by Bingham and Miller, Grave Point Lookout to Kinney Point, 5,200-8,100'.

*Polygonum douglasii* Greene var. undet., Douglas or Mountain Knotweed.

\*Christ 11075 & 12722, ?NY, mountainside in Snake River Gorge west of Cuprum, 5/30/40; and basaltic knoll near Sheep Cr. Swamp, 7/17/41; respectively.

Plus Steele Sight Records: along the Bear-Indian Crs. divide off rd. 002, 5,100-5,130', 6/12/72; and Tisdale Sight

- Records, vicinities of Cold Springs Cow Camp and Cold Springs Lookout, 6,600-6,700', 7/11-13/79.
- Polygonum majus* (Meisn.) Piper, Palouse Knotweed.  
Uncommon, entire Seven Devils, 5,100-7,500'.  
C. Johnson Sight Records: Plot 7009, above the Old Boise Trail 101 ca.  $\frac{1}{4}$  mi southeast of Haas Lake, 7,350', 8/9/83; Plot 7065, at the end of the 1st long switchback ascending trail 214 southwest from Black Lake, 7,460', 8/30/83; Plot 7067, below trail 217 in the head of Deep Cr. ca. 0.1 mi northwest of the Black Lake rd. 112, 7,150', 8/31/83; Plot 7068, below trail 217 in the head of Deep Cr. ca.  $\frac{1}{4}$  mi northwest of the Black Lake rd. 112, 6,960', 8/31/83; and Plot 7071, east of the Old Boise Trail 101 in the head of Kessler Cr., 6,780', 9/1/83.  
Tisdale 7/13/78, IDF 78360, vicinity of Low Saddle, 5,150', 7/13/78.
- Polygonum minimum* Wats., Leafy Dwarf Knotweed.  
Uncommon, central Seven Devils, 6,600-8,000'.  
Bingham and Miller 363, ID, half-shaded, east-facing, gently sloping streambottom trail tread under an open *Abies lasiocarpa*-*Pinus albicaulis* forest, ca. 25' down Bridge Cr. from the outlet of Mirror Lake, 8,000', 7/26/81.  
Christ 12606, ID, dry cliffs in cirque below Seven Devils Lake, 7/13/41.  
 Plus 4 Sight Records by Bingham and Miller, Cannon Lake trail, Triangle Lake trail, Hanson Lakes manway, and Horse Heaven Lake, 6,600-7,600'.
- Polygonum phytolaccaefolium* Meisn., Alpine Knotweed.  
Abundant, central and southern Seven Devils, 6,400-8,100'.  
Baird 7/29/71, Council R.D., open hillside below Smith Mt. Lookout, 7,000', 7/29/71.  
Baker 12015, ID, open alpine slopes, Seven Devils Camp, 7/21/54.  
Bingham and Miller 66, ID, east-facing, moderately dry, open, rocky hillside immediately east of Seven Devils Guard Station, 7,200', 7/24/79.  
 \*Christ 8703, ?NY, pure, heavy stand on the rawer coarse talus slopes near Black Lake, 8/8/37.  
Christ 12505, WS, rocky outcrops and shallow soils, Seven Devils Camp, 7/12/41.  
Q. Jones 207, WS, vicinity Heavens Gate Lookout, 7/12/50.  
Kruckeberg 3189, ID, WS, WTU, meadowy hillsides above Seven Devils Guard Station 2 mi below Windy Saddle, 7,000' (must be at least 7,200' if above Station), 7/30/52.  
St. John and Mullen 8506, WS, gravel flat on Dry Diggins, 7/21/27.  
 Plus 38 Sight Records by Bingham and Miller, C. Johnson, and Tisdale, including vicinity of Cold Springs Lookout site.
- ?*Polygonum watsonii* Small, Water Knotweed.  
 \*Christ 8658, ?NY, meadow in cirque, Pyramid Peak, 8/8/37 (but mostly of the lowlands and not known for Idaho).
- Rumex acetosella* L., Sheep or Horse Sorrel (European weed).  
Common, entire Seven Devils and Rapid River, 5,000-8,000'.  
Bingham and Miller 183, ID and WS, east-facing opening in a *Pseudotsuga menziesii* stand along the Old Boise Trail ca. 1/2-3/4 mi north of Hanson Cr., 6,800', 8/18/80.  
Brewer 53, Council R.D.,  $\frac{1}{4}$  mi east of Krammer, sec. 6, T. 20 N., R. 2 W. (prob. along either rd. 105 or 112), 5,000', 6/21/29.  
 \*Christ 8623, ?NY, roadside, Black Lake, 8/8/37.  
Davis 2233, WS, moist hillside, Grave Point Lookout, 6/24/40.  
 Plus 21 Sight Records by Bingham and Miller, Big Canyon Saddle south to Black Lake, 5,000-8,000'.
- Rumex crispus* L., Curly Dock (European weed).  
Scarce (mostly at lower elevs.), northern Seven Devils, 5,200'  $\pm$ .  
Bingham 544, ID, open, southwest-facing, basalt-rock roadside at the edge of a grass-forb-rigid sage stand along rd. 420 ca. 0.1 mi south of Cow Cr. Saddle, 5,240', 7/21/82.

*Rumex salicifolius* Weinm. ssp. *triangulivalvis* Danser var. *montigenitus* Jeps., the northern Rocky Mountain variety of the triangular-valved subspecies of Western Dock.

Scarce, central Seven Devils, 7,200' ±.

Bingham and Miller 443, ID, drawn-down southeast shoreline of Ruth Lake, 7,200', 8/17/81.

## Polypodiaceae

\*\**Adiantum pedatum* L., prob. a new, high-elevation taxon of the Maidenhair Fern.

Rare, 7,700-8,000' +, known only from 3-4 localities in the high, central Seven Devils, all within 1½ mi of each other. This probable new taxon occurs 3,500' above the usual distribution of Idaho *A. pedatum*, and has erect (instead of horizontal) pinnae that impart a storied appearance (may disappear in pressing). Recommended for a "Federal Watch List" of plants rare in the U.S. but not currently threatened without major changes in local land use (cf. Steele and others, 1981).

Bingham and Miller 34 & 70, ID, & 118, ID and WS, under the overhang of a low cliff just west of the Goat Pass manway where leaving the northeast end of the small, unnamed pond at the east side of Sheep Lake, 7,880', 7/22/79; in the field of medium-sized boulders along trail 123 between the 4th and 6th switchbacks ca. 1/8 mi west of the south end of Sheep Lake, 8,000', 7/25/79; and at the toe of the large-rock talus slope along the north side of Hanson Cr. just above the cirque dropoff ca. ¼ mi below Lower Hanson Lake, 7,700', 7/15/80; respectively. The locality of collection 70 is identical with that of Wellner 1691, below, and may be identical with Packard 309 and St. John and Mullen 8563, below.

Packard 309, WS, foot of He Devil Mt. at the 4th Sheep Cr.

Lake (Sheep Lake), 9,000' (prob. after St. John's elev., below; cannot be over 8,400' according to Packard's route near present trail 123), 6/27/37. Possibly the identical locality as Bingham and Miller 70, and Wellner 1691.

St. John and Mullen 8563, WS, "Pinnae erect", under large boulders on He Devil Mt., 9,000', 7/24/27. The original collection of this probably new taxon; possibly from the same locality as Bingham and Miller 70, Packard 309, and Wellner 1691. The author and C. J. Miller found no *A. pedatum* on He Devil Mt. at 9,000'.

Wellner 1691, ID, same locality and population as Bingham and Miller 70, above, 8,000', 8/21/78.

*Aspidotis densa* (Brackenr.) Lellinger, Podfern.

Occasional, central Seven Devils, 7,600' ±.

\*Christ 12593 & 12700, ?NY, on cliffs in cirque below Seven Devils Lake, 7/13/41; and fissures in cliff ledges along the Sheep Cr. trail, 7/17/41; respectively.

Ownbey and Meyer 2079, WS, rock crevices, east slope, headwaters of Sheep Cr., 6/26/40.

*Athyrium distentifolium* Tausch var. *americana* (Butters) Cronq., Alpine Lady-fern.

Frequent, central and southern Seven Devils, 7,200-9,000'.

Christ 8688, WS, on high talus slopes, Black Lake, 8/8/37.

\*Christ 12551, ?NY, cliffs on ridge, Heavens Gate, 7/12/41.

St. John and Mullen 8548, WS, in crevices in moist rock slide, He Devil Mt., 9,000', 7/24/27.

Steele 936, BOIS and IDF, growing in rocks at Heavens Gate, 8,400', 9/8/74.

Wellner 1690 & 1695, ID, east side of the summit of Pollock Mt., 8,040', 8/6/78; and bottom of the west fork of the west fork of Sheep Cr., along trail 123 just below Gem Lake, 7,750', 8/21/78; respectively.

*Athyrium filix-femina* (L.) Roth, Lady-fern.

Uncommon, fairly low elevs. in the northern and central Seven Devils, 5,900-7,700'.

Baird 8/18/71, Council R.D., on small seep 1 mi above Bear Guard Station, 5,200', 8/18/71.

Baker 12258, ID, moist woods along Shingle Cr. (prob. the north fork along rd. 517), 7/31/54.

Bingham and Miller 394, bottom of Bridge Cr. ca. ¼ mi below Mirror Lake, 7,700', 7/26/81.

Plus 5 Sight Records by Bingham and Miller, Caribou Cr. to trail 124 just north of the south fork of Little Granite Cr., 5,900-6,900'.

*Cheilanthes feei* Moore, Fee's Lip-fern.

Scarce, central and southern Seven Devils, 7,200-7,800'.

Bingham 324, ID, in rock crevices of outcrop in opening in *Abies lasiocarpa* stand just northwest of Black Lake, 7,200', 7/17/81 (intermediate with *C. gracillima* Eat. having both a scaly rachis, and pinnules exceeding 1½ cm long).

\*Christ 12461, ?NY, cliff crevices, Seven Devils Ridge, 7/11/41.

Plus 1 Sight Record by Bingham, ½ mi north of the summit of trail 218 between Black Lake and Joes Gap, 7,800', 7/18/81.

*Cheilanthes gracillima* D.C. Eaton, Lace Lip-fern.

Common, central and southern Seven Devils, 6,400-8,400'.

Bingham and Miller 58 & 399, ID, east-facing bedrock crevices at Goat Pass (ca. ¼ mi west and above Mirror Lake on the Bridge-Sheep Crs. divide), 8,400', 7/24/79; and ca. ¼ mi south-southwest of the Seven Devils Guard Station in the bottom of the dry fork or Bridge Cr. below Seven Devils Lake, on cliff crevices in open forest, 7,300', 7/26/81; respectively.

\*Christ 8693, ?NY, rock spurs, Pyramid Peak (south-southwest of Black Lake), 8/8/37.

Christ 12595, WS, on cliffs in cirque below Seven Devils Lake, 7/13/41.

Munro 75, WS, rock crevices in saddle of Seven Devils Mts., 5/14/37.

St. John and Mullen 8462, WS, rocky crevices, Dry Diggins Area, 7,000', 7/20/27.

Wellner 1689 & 1698, ID, north of the Lookout on Pollock Mt., 8,050', 8/6/78; and north of the Echo Lake trail 129 northwest of Echo Lake, 7,100', 8/22/78; respectively.

Plus 13 Sight Records by Bingham and Miller and C. Johnson.

*Cryptogramma crispa* (L.) R. Br. var. *acrostichoides* (R. Br.) B. Clarke, the North American and East Asian variety of Rock Brake.

Common, central and southern Seven Devils, 5,300-8,400'.

Baker 12285, ID, rock crevices west of Seven Devils Camp, 7/31/54.

Bingham and Miller 61, ID, on an east-facing cliff immediately south of Goat Pass, on the Bridge-Sheep Crs. divide ca. ¼ mi west of Mirror Lake, 8,400', 7/24/79.

\*Christ 8709 & 12597, ?NY, in crevices on cliffs, Pyramid Peak, 8/8/37; and on cliffs in cirque below Seven Devils Lake, 7/13/41; respectively.

C. Johnson 8/9/83, BKR 2443, Plot 7007, east-facing moraine at northeast end of Haas Lake, *Carex hoodii*-*Potentilla glandulosa* moraine community, 7,240', 8/9/83.

Packard 458, WS, west slope along the Brundage trail between the forks of Sheep Cr., 7,500', 7/28/38.

Pennell 20815, PH, crevices of rhyolite, Black Lake, 7,200-7,700', 7/9/37.

St. John and Mullen 8387, WS, McGaffee Cow Camp, 5,400', 7/17/27.

Plus 15 Sight Records by Bingham and Miller.

*Cystopteris fragilis* (L.) Bernh., Brittle Bladder-fern.

Uncommon, northern and central Seven Devils and Rapid River, 5,000-8,300'.

Bingham and Miller 72, ID, & 187 & 476, ID and WS, in crevices of large, broken boulders at edge of subalpine forest, in the valley ca. 3/5 mi directly north of the summit of He Devil Mt., 8,250', 7/25/79; moderately open Douglas-fir forest on an east-facing slope ca. 1/2-3/4 mi north of

- Hanson Cr. along the Old Boise Trail 101, 6,800', 7/18/80; and shady river bottom with an *Abies grandis*, *Pseudotsuga menziesii*, *Taxus brevifolia* stand along the lower Rapid River trail 113 near the mouth of Blue Gulch, 2,400', 6/8/82; respectively.
- \*Christ 12594, ?NY, on cliffs in cirque below Seven Devils Lake, 7/13/41.
- Q. Jones 218, ID and WS, cracks in rocks near snowline, Heavens Gate, 7/13/50.
- Plus 3 Sight Records by Bingham and Miller, and C. Johnson, near jct. trails 112, 140, & 57, along trail 112 ca. 1/3 mi west of the Windy Saddle trailhead, in the head of the east fork of Sheep Cr., and along rd. 2060 near Lost Valley Cr., 5,100-7,100'.
- Pellaea breweri* D. C. Eat., Brewer's Cliff-brake.  
Scarce, southern Seven Devils, 8,100' ±.  
Bingham 341, ID, on rock outcrops on an open, east-facing slope with sedge-grass-forb stand, ca. ½ mi west of Black Lake along the Six Lake Basin trail 218 just east of the trail's summit between Black Lake and Joes Gap, 8,100', 7/18/81.
- \*\**Polystichum kruckebergii* Wagner, Kruckeberg's Sword-fern.  
Rare, central Seven Devils, 7,500' ± (recommended for a "Federal Watch List" of rare U.S. plants not currently threatened unless major changes in land use occur, cf. Steele and others, 1981).  
Kruckeberg 3192, ID, NY, OSC, WS, WTU, on talus and in crevices above Sheep Cr. Lake No. 2 (Shelf Lake), 7,500', 7/31/52.
- Polystichum lonchites* (L.) Roth, Mountain Holly-fern.  
Uncommon, central Seven Devils, 5,700-9,000'.  
Bingham and Miller 195 & 364, ID, northeast-facing, 1/3-shaded, stable, moist, large-rock talus along the Old Boise Trail 101 just south of the rockslides ca. 0.2 mi south of Cannon Cr., 6,800', 7/18/80; and east-facing, open, steep, rocky streambed ca. ¼ mi down Bridge Cr. from the outlet of Mirror Lake, 7,700', 7/26/81; respectively.  
Christ 12459, ID, crevices in cliffs above Seven Devils Lake, 7/11/41.  
St. John and Mullen 8541, WS, rock chimney on He Devil Mt., 9,100', 7/24/27 ("rare").  
 Plus 2 Sight Records by Bingham and Miller, east fork Sheep Cr., 5,750' and 7,100'.
- Polystichum scopulinum* (D. C. Eat.) Maxon, Rock Sword-fern.  
Frequent, central Seven Devils and west fork Rapid River, 7,000-9,000'.  
Bingham and Miller 65, 384, & 450, ID, & 258, ID and WS, outcrop crevices of the east-facing (Mirror Lake side) of the Bridge-Sheep Crs. divide at Goat Pass, ca. 200' down the long talus slope descending to the Lake, 8,200', 7/24/79; south-facing, 1/3-open, cliff base in a moderately dry, open *Pseudotsuga menziesii*-*Abies lasiocarpa* forest ca. 3/4 mi up the Hanson Lakes manway from the Old Boise Trail 101, 7,700', 7/29/81; southeast-facing, consolidated, moderately dry, and open boulderfield on the northwest bank of Horse Heaven Lake, 7,600', 8/18/81; and in the open, north-facing boulderfield along the west side of the trail immediately north of Dry Diggins Lookout, 7,800', 8/28/80; respectively.  
Christ 12470 & 12535, ID, in crevices on rocky shelf, Seven Devils Ridge, 7/11/41; and ledges near peak, Heavens Gate, 7/12/41; respectively.  
Packard 428, WS, cool crevices in cliffs and shaded talus slopes on summits near Hibbs Cow Camp, 8,500', 7/23/38.  
 \*Nelson and Nelson 2965, ?RM, summit of He Devil, 8/10-15/38.  
 Plus 4 Sight Records by Bingham and Miller and Kruckeberg (with his 3192, above), including along the west fork of the Rapid River between Hanson Cr. and trail 62.
- Pteridium aquilinum* (L.) Kuhn var. *pubescens* Underw., Bracken Fern.  
Uncommon, central and southern Seven Devils, 5,800-7,300'.  
Baird 8/18/71, Council R.D., on small seep 1 mi above Bear Guard Station, 5,000', 8/18/71.

Bingham and Miller 230, ID and WS, east-facing, open, rocky slope in a moderately dry open forest of *Abies lasiocarpa* and *Pinus albicaulis*, slopes below Horse Heaven Lake, 7,500', 8/26/80.

Brewer 76, Council R.D., Krammer Cabins, sec. 1, T. 20 N., R. 3 W. (prob. along rd. 105), 5,000', 8/9/29.

Plus 5 Sight Records by Bingham and Miller, Bernard Lakes to the Old Boise Trail between Hanson and Dog Crs., 6,800-7,400'.

*Woodsia oregana* D. C. Eaton, Oregon Woodsia.

Common, entire Seven Devils and Rapid River, 5,300-8,000'.

\*Christ 12693, ?NY, ledges in cliffs along the Sheep Cr. trail (112), 7/17/41.

19 Bingham and Miller Sight Records: Big Canyon Saddle south to Joes Gap, and west fork Rapid River, 5,000-8,000'.

Tisdale Sight Record, vicinity of Low Saddle, 5,200', 7/13/78.

## Polytrichaceae

*Polytrichum ? juniperinum* Hedw., True Moss.

Abundant, entire Seven Devils, 5,700-8,000'.

Bingham and Miller 427, ID and WS, half-shaded flat off the west end of the Bernard Lakes at edge of an open *Pinus contorta-Abies lasiocarpa-Picea engelmannii* forest, just west of the westernmost of the Lakes, 7,200', 8/11/81.

Plus many Sight Records by Bingham and Miller, Big Canyon Saddle to Horse Mt., 5,000-8,000'.

## Portulacaceae

*Calyptridium umbellatum* (Torr.) Greene var. *caudiciferum* (Gray) Jeps., the short-leaved, perennial variety of Pussypaws.

Occasional, central Seven Devils, 7,500-8,300'.

Henderson 3850, ID, near the jct. of trails 112 & 56 ca. ¼ mi north-northeast of Hibbs Cow Camp, 7/7/77.

Q. Jones 229, WS, on gravel-size rock near ridgetop ca. ¼ mi south of Heavens Gate Lookout, 7/13/50.

Ownbey and Meyer 2080, WS, gravelly, exposed ridges near Hibbs Cow Camp, 6/26/40.

Packard 471, WS, dry soil on open ridge near Hibbs Cow Camp, Dry Diggins, 8,000', 7/28/38.

*Calyptridium umbellatum* (Torr.) Greene var. *umbellatum*, the long-leaved, annual variety of Pussypaws.

Frequent, central and high eastern and southern Seven Devils, 7,600-8,400'.

Bingham and Miller 112 & 213, ID and WS, on the open, gravelly surface of weathered ?basalt immediately northeast of Windy Saddle, 7,600', 7/14/80; and on open, gravelly soil ca. 250' north-northeast of the Horse Heaven Lookout cabin, 8/25/80; respectively.

\*Christ 8713 & 12555, ?NY, raw, granitic gravels on high slopes and ridges near Black Lake, 8/8/37; and rocky shingle of ridge, Heavens Gate, 7/12/41; respectively.

Henderson 3848A, ID, near the jct. of trails 56 and 112 ca. ¼ mi north-northeast of Hibbs Cow Camp, 7/7/77.

St. John and Mullen 8535, WS, alpine gravels, Dry Diggins, 8,000', 7/22/27.

Wellner 1687, ID, summit of Pollock Mt. north of the Lookout, 8,050', 8/6/78.

Plus 4 Sight Records by Bingham and Miller.

*Calyptridium umbellatum* (Torr.) Greene var. *undet.*, Pussypaws.

Baker 12078, ID, dry, gravelly soil on open slope above Seven Devils Guard Station, 7/21/54.

*Claytonia lanceolata* Pursh. var. *lanceolata*, Lance-leaved Spring Beauty.

Frequent, entire Seven Devils, 5,000-8,200'.

Bingham and Miller 71, ID, in open, sedgy valley bottom ca. ½ mi due north of the summit of He Devil Mt., 8,200', 7/25/79.

\*Christ 12650 & 12662, ?NY, soil pockets on ridges between

- Sheep Cr. Lakes No. 3 and No. 4 (Gem and Sheep Lakes), 7/16/41; and soil pockets on talus slopes, Sheep Cr. Lake No. 4 (Sheep Lake), 7/16/41; respectively.
- Moore 89, WS,  $\frac{1}{4}$  mi down the Bernard Cr. trail (110) from McGaffee Cow Camp, 7,500' (prob. closer to 5,400'), 5/16/36.
- Munro 77, WS, ridge north of Cow Camp (McGaffee's) at the head of Bernard Cr., 4,500' (camp is at 5,700'), 5/14/37.
- Packard 584, WS, north slope near Stormy Point, 5/13/39.
- Plus 9 Sight Records by Bingham and Miller and C. Johnson.
- Claytonia megarhiza* (Gray) Parry var. *bellidifolia* (Rydb.) Hitchc., the variety of Alpine Spring Beauty having single leaf veins.
- Occasional, central Seven Devils, 8,400-9,000'.
- Christ 12463, ID, rock crevices, Seven Devils Ridge, 7/11/41.
- St. John and Mullen 8569, WS, rock chimneys on He Devil Mt., "rare", 9,000', 7/24/27.
- Henderson Sight Record, along the west fork Sheep Cr. - Bridge Cr. divide ca.  $\frac{1}{2}$  mi west of Seven Devils Lake, 8,600', 7/5/77.
- Lewisia columbiana* (Howell) Robins. var. *wallowensis* Hitchc., the Wallowa Mountains variety of the Columbia *Lewisia*.
- Common, entire Seven Devils, 5,200-8,400'.
- Baker 12277, OSC, open, gravelly slopes west of Seven Devils Camp, 7/31/54.
- Bingham and Miller 29, ID, in crevices of glaciated bedrock on the peninsula between Sheep Lake and the pond at its north-east corner, 7,845', 7/22/79.
- Christ 12490, IDS, on shallow slopes in crevices and crannies, Seven Devils Ridge, 7/11/41.
- Q. Jones 214, ID, Heavens Gate, 7/13/50.
- Meyer 1618, WS, ridge above east side of Sheep Cr., ? elev., 5/12/39.
- Munro 99, WS, rocky outcrop, foot of Seven Devils Mt., north side, 6,000', 5/14/37.
- Ownbey and Meyer 2069, WS, headwaters of Sheep Cr. (along trail 112), 6/26/40.
- Packard 303, WS, rock outcroppings near foot of He Devil Mt., 8,800' (prob. 8,400' at max.), 6/27/37.
- Sharsmith 4016, WS, rim of Snake River Canyon in Sheep Cr., 5,500', 5/12/39.
- St. John and Mullen 8396, WS, McGaffee Cow Camp, 5,400', 7/17/27.
- Tisdale 7/13/78, IDF 78353, rocky ridge  $\frac{1}{4}$  mi east of Low Saddle, 5,200', 7/13/78.
- Plus 17 Sight Records by Bingham and Miller and C. Johnson.
- Lewisia pygmaea* (Gray) Robins. var. *nevadensis* (Gray) Fosberg, Nevada *Lewisia*.
- Uncommon, central Seven Devils, 7,000-8,400' minus.
- Christ 12665 & 12666, ID, & 12723, WS, soil pockets on talus slope, Sheep Cr. Lake No. 4 (Sheep Lake), 7/16/41 (rose-pink flowers); ditto 12665 but with white flowers; and seepy alluvial fill of old lake bed near Sheep Cr. swamp, 7/17/41; respectively.
- \*Christ 12469 & 12713, ?NY, open slopes on high ridges, Seven Devils Ridge, 7/11/41; and hummocks in marsh about Lily Pad Lake, 7/17/41; respectively.
- \*Kruckeberg 3198, ?WTU, in moist depressions along flats of Dry Diggins area, 7,000', 8/1/52 (pink flowered).
- Lewisia pygmaea* (Gray) Robins. var. *pygmaea*, Alpine *Lewisia*.
- Scarce, central Seven Devils, 7,300'  $\pm$ .
- Packard 324, WS, the swamps near Lily Pad Lake, 7,900' (elev. Lily Pad Lake and nearby wet, sedge meadow is 7,300'), 6/28/37.
- Lewisia triphylla* (Wats.) Robins., Three-leaf *Lewisia*.
- Occasional, central Seven Devils, 7,200-7,600'.
- \*Christ 12452 & 12725, ?NY, soil pockets in cliffs above Seven Devils Lake, 7/11/41; and on basaltic knolls about Sheep Cr. swamp, 7/17/41; respectively.
- St. John and Mullen 8507, WS, gravelly flat, Dry Diggins, 8,000', 7/21/27.

- Montia arenicola* (Hend.) Howell, Sand Montia.  
Scarce, lower Rapid River only, 2,500' ±.  
Bingham and Miller 491, ID and WS, northwest-facing, half-open, moss-consolidated talus in *Abies grandis*, *Pseudotsuga menziesii*, *Taxus brevifolia*, *Betula occidentalis*, *Acer glabrum* riparian forest, ca. 0.6 mi up the lower Rapid River from Blue Gulch along trail 113, 2,480', 6/8/82.
- Montia cordifolia* (Wats.) Pax and Hoffm., Broadleaved Montia.  
Common, entire Seven Devils and west fork Rapid River, 5,800-7,600'.  
Baker 12283, ID, stream on west side of Heavens Gate (possibly the old stock watering spring stream), 7/31/54.  
Bingham and Miller 124, ID and WS, creek bottom under dense *Picea engelmannii*, *Abies lasiocarpa*, *Pseudotsuga menziesii* forest, just above the Old Boise Trail 101 at Hanson Cr., 6,800', 7/16/80.  
Christ 12576, ID, banks of creek from Seven Devils Lake, 7/13/41.  
Davis 2328 & 2351, WS, shady, wet creek bottom Sheep Cr. (prob. the west fork along trail 112), 6/26/40; and 9 mi southwest of Riggins (prob. along rd. 517 in Shingle or the south fork Papoose Crs.), 6/28/40.  
 Plus 21 Sight Records by Bingham and Miller (almost always present in creeks above 6,000' in entire Seven Devils and west fork Rapid River).
- Montia parvifolia* (Moc.) Greene, var. intergradient between vars. *parvifolia* and *flagellaris* (Bong.) Hitchc.; or between the narrow-leaved and broad-leaved varieties of the Little-leaf Montia.  
Scarce, central Seven Devils, 5,000' minus.  
Bingham and Miller 573, ID and WS, steep, north-facing roadcut along rd. 517 in a *Pseudotsuga menziesii*/*Physocarpus malvaceus* h.t., ca. ¼ mi above the road's 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.
- Montia perfoliata* (Donn) Howell, Miner's Lettuce.  
Uncommon (mostly from lower elevs.), entire Seven Devils and Rapid River, 5,000-7,600'.  
Bingham and Miller Sight Records: in the campground area on the northwest shores of Black Lake, 7,200', 7/17/81; along the stock drive portion of trail 104 ca. 1/3 mi east of Big Canyon Saddle, 4,700', 6/11/82; along rd. 1819 ca. ¼ mi southwest of Caribou Cr., 6,100', 7/18/81; along trail 110 ca. 1/8 mi east of McGaffee Cow Camp, 5,800', 8/12/81; along the lower Rapid River Trail 113 ca. 1.0 mi above the Circle C State Fish Hatchery trailhead gate, 2,300', 6/8/82; and along trail 214 ca. ½ mi north of Purgatory Saddle, 7,600', 7/17/81.
- Montia sibirica* Howell var. *sibirica*, Candy Flower.  
Scarce, southern Seven Devils, 7,200' ±.  
 \*Christ 8634, ?NY, springy places on mountainside, Black Lake, 8/8/37.

## Potamogetaceae

- Potamogeton natans* L., Floating-leaved Pondweed.  
Scarce, central Seven Devils, 7,300' ±.  
St. John and Mullen 8589, WS, Lily Pad Lake, Dry Diggins, 8,000' (true lake elevation 7,300'), 7/25/27.

## Primulaceae

- Dodocatheon conjugens* Greene var. *conjugens*, Slimpod Shooting-star.  
Occasional, west-central and northern Seven Devils, 5,000-5,700'.  
Moore 92, WS, in pine timber at McGaffee Cow Camp, 8,600' (true camp elevation 5,700'), 5/16/36.  
Munro 76, WS, Cow Camp at head of Bernard Cr., 4,500' (prob. McGaffee Cow Camp at 5,700'), 5/14/37.  
Packard 585, WS, near Stormy Point (southwest of Low Saddle), 5,500', 5/13/39.
- Dodocatheon jeffreyi* van Houtte, Jeffrey's Shooting-star.  
Frequent, central and southern Seven Devils, 7,200-8,000'.



Baird 7/29/71, Council R.D., moist area at base of snowbank  $\frac{1}{2}$  mi north of High Dive, 7,500', 7/29/71.  
Bingham 317 & 339B, ID and WS, open, northwest-facing sedge meadow at the foot of a cirque wall, ca.  $\frac{1}{2}$  mi northwest of High Dive Point along the Black Lake rd. 112, 7,550', 7/16/81; and north-northwest-facing, half-shaded streambank in an *Abies lasiocarpa*/*Pinus albicaulis* forest along trail 214 ca.  $\frac{1}{2}$  mi north of Purgatory Saddle, 7,620', 7/17/81.  
\*Christ 8661 & 12652, ?NY, in meadow in cirque, Pyramid Peak (south-southwest of Black Lake), 8/8/37; and marshy bank of Sheep Cr. Lake No. 4 (Sheep Lake), 7/16/41; respectively.  
Packard 325, WS, in the swamps near Lily Pad Lake, 6/28/37.  
St. John and Mullen 8479 & 8512, WS, both streamside near Dry Diggins, 7,200' and 8,000', 7/20 and 12/27, respectively.  
Plus 8 Sight Records by Bingham and Henderson and Bingham and Miller.

*Dodocatheon pulchellum* (Raf.) Merrill var. *monanthum* (Greene) Hitchc., the reddish-purple stamened variety of the Dark-throat Shooting-star.

Scarce, central Seven Devils, 7,800'  $\pm$ .

Packard 301, WS, moist-wet soils at Sheep Cr. Lake No. 4 (Sheep Lake) at the foot of He Devil Mt., 9,000' (true lake elev. 7,825' elev.), 6/27/37.

*Dodocatheon pulchellum* (Raf.) Merrill var. *pulchellum*, the yellow-stamened variety of the Dark-throat Shooting-star.

Occasional, northern and central Seven Devils and Rapid River, 5,200-7,600'.

Bingham 466 and Bingham and Miller 496, ID and WS, on a basalt-rock, open ridgetop immediately north of rd. 420 at Cow Cr. Saddle, 5,250', 5/25/82; and on a southeast-facing, 3/4-shaded, moderately moist *Pseudotsuga menziesii*, *Pinus contorta*, *Abies grandis*, *Larix occidentalis* forest slope ca.  $\frac{1}{2}$  mi up the west fork Rapid River trail 113 from Deep Cr., 4,300', 6/9/82; respectively.

Christ 12499, ID, rock crevices in wet cliffs above Seven Devils Lake, 7/11/41.

*Dodocatheon pulchellum* (Raf.) Merrill var. undet.

Baird 5/1/72, Council R.D., moist spring area 1 mi above Bear Post Office, 5,500', 5/1/72.

*Primula cusickiana* Gray, Cusick's Primrose.

Occasional, central and southern Seven Devils, 5,000-6,000'.

Brewer 7, Council R.D., Sheep Peak (or Mt., not Sheep Rock), sec. 11, T. 18 N., R. 4 W., 5,200', 5/9/28.

Meyer 851, WS, Seven Devils Mts., south slopes, sec. 2, T. 23 N. (?T. 24 N.), R. 2 W. (? along trail 112 or 140), ? elev., 5/13/37.

Munro 70, WS, south exposure at foot of Seven Devils Mts., 6,000', 5/14/37 (possibly the same locality as Meyer 851, above, and the elev. of 6,000' puts it on the north fork Bernard - Sheep Cr. ridge above McGaffee Cow Camp, certainly a far more plausible locality for this plant to be blooming in mid-May than at Meyer's stated locality in sec. 2, ca. 1 mi north of Lily Pad Lake, elev. 7,300'  $\pm$ ).

## Ranunculaceae

*Aconitum columbianum* Nutt. var. *ochroleucum* A. Nels., the cream-flowered variety of Monkshood.

Common, central Seven Devils, 6,400-7,300'.

Baird 8/5/71, Council R.D.,  $\frac{1}{4}$  way through Landore-Cuprum rd. (105), 5,000', 8/5/71.

Bingham and Miller 240, ID and WS, in a small marsh ca. 0.1 mi east of Ruth Lake and just south of the Ruth Lake trail, 7,200', 8/27/80.

\*Christ 8621 & 12696, ?NY, springy place on mountainside, Black Lake, 8/8/37; and moist places at Sheep Cr. crossing (prob. along trail 112 at the west fork of Sheep Cr.), 7/14/41; respectively.

- Packard 446, WS, moist shaded meadow by small stream, Lily Pad Lake, 7/28/38.
- St. John and Mullen 8482, WS, meadow on Dry Diggins, 7/20/27.  
Plus 17 Sight Records of Bingham and Miller and C. Johnson.
- Actaea rubra* (Ait.) Willd., Western Red (or white) Baneberry.  
Frequent, entire Seven Devils and Rapid River, 5,000-7,500'.  
Bingham and Miller 125, ID, bottom of Hanson Cr. with Engelmann spruce and subalpine fir, just above Old Boise Trail 101, 6,800', 7/16/80.  
Plus 15 Sight Records by Bingham and Miller, C. Johnson, and Steele, Kirkwood Cr. to Landore, 5,000-7,500'.
- Anemone multifida* Poir. var. *multifida*, Cliff Anemone.  
Scarce, central Seven Devils, 7,300' ±.  
Bingham and Miller 408, ID and WS, northeast-facing open cliff face, along trail 112 in the head of the east fork of Sheep Cr. ca. ½ mi west-northwest of the Windy Saddle trailhead, 7,350', 8/10/81.
- Anemone piperi* Britt., Piper's Anemone.  
Frequent, entire lower Seven Devils and Rapid River, 5,000-6,800'.  
Baker 16798, ID, 9 mi west of Riggins (prob. along rd. 517 on McClinery Ridge), 5/24/65.  
Bingham 469, ID, open *Pinus ponderosa*-*Pseudotsuga menziesii* forest on west-facing slope ca. 0.1 mi northward from Kirkwood Corrals along rd. 420, 5,050', 5/25/82.  
C. Johnson 6/29/82, BKR 2326, Plot 790, above the Lost Valley rd. 2060 ca. 100 yds. east of Kirkwood Cr., 5,300', 6/29/82.  
Lewis 1286, OGDF, open timber, pass north of Horse Mt., 5,000', 6/10/67.  
Plus 10 Sight Records by Bingham and Miller, C. Johnson and Steele, Big Canyon to Huntley Gulch, 5,000-6,800'.
- Aquilegia flavescens* Wats., Yellow Columbine.  
Common, central and southern Seven Devils, 6,700-8,400'.  
Baker 12085, ID, steep, rocky bank below Heavens Gate Lookout, 7/21/54.  
Bingham and Miller 18, ID, open rocky ridgetop ca. 0.2 mi south-southwest of Heavens Gate Lookout, 8,350', 7/21/79.  
\*Christ 8643 & 12601, ?NY, lower talus slopes, Pyramid Peak, 8/8/37; and slopes in timber in cirque below Seven Devils Lake, 7/13/41; respectively.  
Packard 294, WS, vicinity of Hibbs Cow Camp in the head of the north fork Little Granite Cr., 6,800', 6/26/37.  
St. John and Mullen 8515 & 8516, WS, both vicinity of Hibbs Cow Camp, 7/21/27.  
Plus 28 Sight Records by Bingham and Miller, C. Johnson and Taylor.
- Aquilegia formosa* Fisch., Red Columbine.  
Uncommon, central and southern Seven Devils, 7,000-8,400'.  
Christ 12442, ID, open slopes, Seven Devils, 7,000-8,400'.  
\*Christ 8647, 12519, & 12579, ?NY, lower talus slopes, Pyramid Peak, 8/8/37; open, grassy east slopes, Heavens Gate, 7/12/41; and cliffs in cirque below Seven Devils Lake, 7/13/41; respectively.  
Packard 289, WS, moist shaded wood near left (north) fork of Little Granite Cr., 7,000', 6/13-30/37.  
St. John and Mullen 8517, WS, woods near Hibbs Cow Camp, 7,800', 7/21/27.
- Clematis columbiana* (Nutt.) Torr. and Gray var. *columbiana*, Columbia Clematis.  
Frequent, entire Seven Devils, 5,000-7,200'.  
Bingham and Miller 184, ID and WS, moderately dense *Pseudotsuga menziesii*-*Abies lasiocarpa* forest on an east-facing slope ca. 1/2-3/4 mi north of Hanson Cr. along the Old Boise Trail 101, 6,800', 7/18/80.  
Comstock 112, WS, rocky, shaded west slope ¼ mi from the top of Lightning-Sheep Cr. ridge, ? elev., 5/12/39.  
Moore 87, WS, ½ mi down the Bernard Cr. trail (110) from McGaffee Cow Camp, 7,500' (prob. nearer 5,500'), 5/16/36.  
Packard 292, WS, moist woods near the left (north) fork of

- Little Granite Cr., 6,800', 6/26/37.  
 Plus 12 Sight Records by Bingham and Miller, C. Johnson, and Steele.
- Clematis hirsutissima* Pursh, Douglas Clematis.  
Frequent, entire Seven Devils, 6,500-7,600'.  
 \*Christ 8603, ?NY, timbered mountainside, Placer Basin, 8/8/37.  
Christ 12513, ID, open mountainside 1 mi east of Seven Devils Camp, 7/12/41.  
Henderson 3856, ID, Little Granite-Three Crs. divide ca. ¼ mi west of Hibbs Cow Camp, 7/6/77.  
Moore 95, WS, ridge southeast of McGaffee Cow Camp, 8,600' (prob. nearer to 6,000'), 5/16/36.  
 \*Nelson and Nelson 2976, ?RM, Dry Diggins Camp, 8/10-15/38.  
Ownbey and Meyer 2081, WS, gravelly, exposed ridge, Hibbs Cow Camp, 6/26/40.  
St. John and Mullen 8531, WS, gravel slope, Dry Diggins, 7/22/27.
- Plus 4 Sight Records by Bingham and Miller and Tisdale.
- Clematis ligusticifolia* Nutt., Western Clematis.  
Scarce, lower Rapid River only, 2,200' +.  
Bingham and Miller Sight Record, at the trailhead gate of lower Rapid River trail 113, at the upstream end of the Circle C State Fish Hatchery, 2,200', 6/8/82.
- Coptis occidentalis* (Nutt.) Torr. and Gray, Western Goldthread.  
Occasional, northern and central Seven Devils, 5,000-5,300'.  
Baker 16796, ID, 9 mi west of Riggins (prob. along rd. 517 on McClinery Ridge), 5/29/65.  
C. Johnson Sight Records: Plot 789, above rd. 2060 ca. ¼ mi east of Kirkwood Cr., 5,220', 6/29/82; and Plot 790, above rd. 2060 just east of Kirkwood Cr., 5,300', 6/29/82.
- Delphinium depauperatum* Nutt., Dwarf Larkspur.  
Uncommon, northern and central Seven Devils, 5,200-7,600'.  
Bingham 460, ID, basalt rock ridgetop with sagebrush-grass-forb stand immediately south of rd. 420 at Cow Cr. Saddle, 5,250', 5/25/82.  
 \*Christ 12451, ?NY, crevices in moist cliffs above Seven Devils Lake, 7/11/41.  
Christ 12604, ID and WS, dry creek bed in cirque below Seven Devils Lake, 7/13/41.  
 \*Kruckeberg 3211, ?WTU, rocky ledges and outcrops above Seven Devils Lake, 7/2/52.  
LaZelle 4, ID, small meadow just east of Seven Devils Lake, 7,500', 7/29/63.  
Packard 444, WS, shaded meadow by small stream near Lily Pad Lake, 7,800', 7/28/38.
- Delphinium nuttallianum* Pritz. var. *nuttallianum*, Upland Larkspur.  
Common, entire Seven Devils and Rapid River, 5,000-8,100'.  
Bingham and Miller 52, ID, open, rocky, south-facing slope with scattered subalpine forbs, 250' above and 0.2 mi east of Sheep Lake at the edge of the large-boulderfield at the foot of the long talus slope between Tower of Babel and She Devil Mt., 8,075', 7/23/79.  
Christ 12531, WS, open, grassy, east slopes of Heavens Gate, 7/12/41.  
Cusick 2230, WS, steep mountainsides, Seven Devils Mts., 7,000', 7/11/1899 (from the elev., date, and previous collections, prob. from along the upper part of the old Kleinschmidt Grade near the Peacock Mine site).  
Davis 2404, WS, Papoose Cr. 8 mi southwest of Riggins (prob. along rd. 517 on lower McClinery Ridge), 6/28/40.  
C. Johnson 5/25/82, BKR 2208, Plot 717, just southeast of Wild Horse Butte, 5,100', 5/25/82.  
Packard 347, WS, pine woods near Seven Devils Guard Station 7/30/37 (possibly the old Seven Devils Guard Station, which was about ¼ mi down the Old Boise Trail 101 from the present guard station).  
 \*Spellenberg 1752, ?WTU, rockslide in ponderosa pine - Douglas-fir forest on the Sheep Rock rd. (106), 6/16/67.

Plus 21 Sight Records by Bingham and Miller, C. Johnson, and Tisdale.

*Delphinium occidentale* Wats., Tall Western Delphinium.

Occasional, central and southern Seven Devils, 6,600-7,200'.

Bingham and Miller 263, ID and WS, moist, north-facing slope with a heavy forb cover in an open stand of *Abies lasiocarpa*, in the head of the east fork of Sheep Cr. along trail 112 ca. ½ mi west-northwest of the Windy Saddle trailhead, 7,200', 8/29/80.

\*Christ 8599 & 12672, ?NY, open spaces in mixed timber, Placer Basin, 8/8/37; and marshy places in timber on Sheep Cr., 7/17/41; respectively.

Plus 1 Sight Record by Bingham and Miller, also in the east fork of Sheep Cr., 7,100', 8/18/82.

*Ranunculus alismaefolius* Geyer var. *alismellus* Gray, Dwarf Plaintain-leaved Buttercup.

Uncommon, central and southern Seven Devils, 7,300-7,800'.

Bingham 315, ID and WS, northwest-facing, open, moderately moist sedge meadow in an open *Abies lasiocarpa* forest along the Black Lake rd. 112 ca. ½ mi northeast of High Dive point, 7,550', 7/16/81.

\*Christ 8652, ?NY, in timber in cirque on Pyramid Peak, 8/8/37.

Christ 12728, WS, in marsh, Sheep Cr. Swamp, 7/17/41.

\*Packard 320, ?WS, moist mountain meadows, "The Swamps" near Lily Pad Lake, 7,800' (actually 7,300'), 6/28/37.

St. John and Mullen 8461, WS, creek bank, Dry Diggins, 7,300', 7/20/27.

Plus 2 Sight Records by Bingham and Miller.

*Ranunculus arvensis* L., Field Buttercup (European introduction).

Scarce, Rapid River only, 2,200' ±.

Bingham and Miller 449, ID and WS, along the lower Rapid River trail 113 at the Circle C State Fish Hatchery trailhead gate in the southwest end of the Hatchery grounds, *Populus trichocarpa*, *Crataegus douglasii*, *Betula occidentalis* riparian type, 2,200', 6/10/82.

?*Ranunculus eschscholtzii* Schlecht. var. *adoneus* (Gray) Hitchc., the twice-lobed and narrow-leaf-segmented variety of the Subalpine Buttercup, (but range of this variety normally Utah and Colorado).

\*Christ 12457, ?NY, near snow on cliffs above Seven Devils Lake, 7/11/41.

*Ranunculus eschscholtzii* Schlecht. var. *suksdorfii* (Gray) Benson, the short-styled, acute-leaf-tipped variety of the Subalpine Buttercup.

Frequent, central and southern Seven Devils, 7,200-8,400'.

Baker 12029, ID, open alpine slopes, Seven Devils Camp, 7/21/54.

Bingham and Miller 7, 75, & 340, ID, & 220, ID and WS, west-facing slope in lee of Snake-Salmon divide ridge, open boulderfield, ca. 0.2 mi southwest of Heavens Gate Lookout, 8,350', 7/21/79; valley bottom bench sedge meadow ca. 2/5 mi directly north of the summit of He Devil Mt., 8,250', 7/25/79; N-facing, half-shaded, rocky hillside in a moderately dense *Abies lasiocarpa* forest along trail 214 ca. 3/4 mi south of Emerald Lake, 7,220', 7/17/81; west-facing, open, wet-soil, luxuriant forb stand recently under snow, in open *Abies lasiocarpa*, *Pinus albicaulis* stand ca. ½ mi south of Horse Heaven Lookout cabin, 8,000', 8/25/80; respectively.

\*Christ 8635, ?NY, tundra on mountainside, Black Lake, 8/8/37.

Q. Jones 208, ID, vicinity of Heavens Gate Lookout, 7/12/50.

Plus 4 Sight Records by Bingham and Miller.

*Ranunculus eschscholtzii* Schlecht. var. *trisectus* (Eastw.) Benson, the pubescent-achened, twice-lobed, basal-leaved variety of the Subalpine Buttercup.

Occasional, central Seven Devils, 7,400-8,000'.

Christ 12458, ID, near Seven Devils Lake, 7/11/41.

Ownbey and Meyer 2091, WS, moist soil in *Abies* forest, Hibbs Cow Camp, 6/27/40.

- Packard 321, WS, moist mountain meadow, "The Swamps", near Lily Pad Lake, 7,800' (actually nearer 7,300'), 6/28/37.  
St. John and Mullen 8533, WS, gravel near snowbank, Dry Diggins, 8,000', 7/22/27.
- Ranunculus flamula* L., Creeping Buttercup.  
Scarce, central Seven Devils, 7,500' ±.  
Bingham and Miller 432, ID, bottom of dry, vernal pond along trail 123 ca. 0.1 mi east of Basin Lake, 8/13/81.  
 Plus 1 Bingham and Miller Sight Record, bottom of vernal pond between He Devil and Triangle Lakes, along trail 129, 7,500', 8/14/81.
- Ranunculus glaberrimus* Hook. var. undet., Sagebrush Buttercup.  
Scarce (mostly at lower elevs.), northern Seven Devils, 5,000-5,400'.  
Bingham and Miller Sight Record, along trail 104 on the Deer-Big Canyon Crs. Ridge ca. 1 mi north of Big Canyon Saddle, 5,400', 6/11/82.  
 \*Packard 588, ?WS, Low Saddle, Snake River Canyon, 5,350', 5/13/39.
- Ranunculus uncinatus* D. Don var. *parviflorus* (Torr.) Benson, Little Buttercup.  
Frequent, entire Seven Devils and west fork Rapid River, 5,000-7,900'.  
Bingham and Miller 591, ID, in the creekbottom of a clearcut of an east-facing, *Pseudotsuga menziesii*, *Pinus ponderosa*, *Abies grandis* stand along rd. 517 ca. ½ mi above its 2d crossing of Papoose Cr. in sec. 16, 4,900', 8/17/82.  
 Plus 10 Sight Records by Bingham and Miller and Steele: from Meyer Cr. along rd. 2060 to shores of Black Lake, 5,800-7,900'.
- Thalictrum occidentale* Gray, Western Meadowrue.  
Abundant, entire Seven Devils and Rapid River, 5,000-7,600'.  
Baker 12088 & 16794, ID, steep rocky bluffs below Heavens Gate, 7/21/54; and 9 mi west of Riggins (prob. on McClinery Ridge along rd. 517), 5/24/65; respectively.  
Bingham and Miller 161, ID and WS, streambank opening along a gently east-facing stream bottom ¾-shaded by an *Abies lasiocarpa*-*Picea engelmannii* forest, just below the Old Boise Trail at Hanson Cr., 6,700', 7/17/80.  
Christ 12602, ID and WS, along creek in cirque below Seven Devils Lake, 7/13/41.  
Lewis 2269a, BOIS, OGDF, near Steele Stands 24 and 25, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,700', 6/12/72.  
Packard 328, WS, open pine woods near McGaffee Cow Camp, 5,400', 6/29/37.  
 Plus 55 Sight Records by Bingham and Miller, C. Johnson, and Steele, Big Canyon Saddle to Lockwood Saddle, 5,000-7,600'.
- Trollius laxus* Salisb. var. *albiflorus* Gray, the white-flowered, western variety of Globeflower.  
Frequent, central and southern Seven Devils, 6,600-7,300'.  
Bingham 338 & Bingham and Miller 397, ID and WS, gently north-northwest-facing, half-open streambottom under an *Abies lasiocarpa*-*Pinus albicaulis* stand, along trail 214 ca. ½ mi north of Purgatory Saddle, 7,620', 7/17/81; and on a 2/3-shaded marshy bench in the perched marsh along Bridge Cr. ca. ½ mi below Mirror Lake, 7,300', 7/26/81; respectively.  
C. Johnson 8/31/83, BKR 2580, Plot 7069, west of the Deep Cr. trail 219 ca. ½ mi west of the Black Lake rd. 112, *Deschampsia caespitosa* meadow community, 6,760', 8/31/83.  
Packard 319, WS, moist mountain meadow, "The Swamps" near Lily Pad Lake, 7,800' (actually nearer 7,300'), 6/28/37.  
St. John and Mullen 8500, WS, creek bank, Dry Diggins Area, 7,300', 7/20/27.  
 Plus 8 Sight Records by Bingham and Miller, Bernard Lakes and Dry Diggins Ridge south to Ruth Lake, 6,600-7,300'.

## Rhamnaceae

*Ceanothus sanguineus* Pursh, Redstem Ceanothus.

Scarce (mostly at lower elevs.), central Seven Devils, 5,000' ±.

Bingham and Miller 565, ID and WS, moderately open, southeast-facing, rocky hillside in Douglas-fir/ninebark h.t. along rd. 517 on lower McClinery Ridge ca. 1 mi above its 2d crossing of Papoose Cr. in sec. 26, 5,150', 8/17/82.

*Ceanothus velutinus* Dougl. var. *velutinus*, Sticky Buckbrush.

Frequent, entire Seven Devils and upper Rapid River, 5,000-7,300'.

Baird 8/1/71, Council R.D., ¼ way down Bear-Landore rd. (105) 5,200', 8/1/71.

Bingham and Miller 186, ID and WS, in an open Douglas-fir forest on a rocky, east-facing slope ca. 1/2-3/4 mi north of Hanson Cr. along the Old Boise Trail 101, 6,800', 7/18/80.

\*Nelson and Nelson 2969, ?RM, Dry Diggins Camp, 8/10-15/38.

St. John and Mullen 8487, WS, open rocky slope, Dry Diggins Area, 7/20/27.

Plus 8 Sight Records by Bingham and Miller and Steele, east fork of Sheep Cr. to Landore-Lockwood Saddle area, 5,300-7,000'.

*Rhamnus purshiana* DC., Cascara.

Scarce, Rapid River only, 2,400-3,200'.

Bingham and Miller Sight Records: along the lower Rapid River trail 113 ca. ¼ mi above Blue Gulch, 2,400', 6/8/82; and along the west fork Rapid River trail 113 near trail 60, 3,200', 6/9/82.

## Rosaceae

*Amelanchier alnifolia* Nutt. (The several varieties are considered poorly defined and are intergradient in the Seven Devils, so are not used here).

Abundant, entire Seven Devils, 5,000-7,600' and Rapid River.

Bingham and Miller 109, ID and WS, open *Pinus contorta* forest with shrub-forb stand, just across the north fork of Bridge Cr. directly north of Seven Devils Guard Station, 7,300', 7/14/80.

Brewer 6/27/29, IDF 83017, open woodland with pine and bunchgrass, Weiser (now Payette) National Forest, 5,500', 6/27/29.

\*Christ 11068, ?NY, mountainside in Snake River Gorge west of Cuprum, ? elev., 5/30/40.

\*Meyer 854, ?WS, 2½ mi above the Snake River in Bernard Cr., ? elev., 5/13/37.

Plus 39 Sight Records by Bingham and Miller, C. Johnson and Steele, Big Canyon Saddle to Lockwood Saddle, 5,000-7,600'.

*Cercocarpus ledifolius* Nutt. var. *intercedens* Schneid., the variety of Mountain Mahogany with incurved leaf margins.

Frequent, low elevs. entire Seven Devils and Rapid River, 5,000-7,000'.

\*Baker 11302, ?ID, high, jagged rocks, Sheep Rock (north end of rd. 106), 9/3/53.

Bingham 269, ID and WS, rocky, open grassland at Sawpit Saddle, 5,050', 7/8/81.

Comstock 108, WS, on very rocky, dry soil near peak of ridges between Sheep and Lightning Crs., 6,000', 5/12/39.

Meyer 1617, WS, bare cliffs above the east side of Sheep Cr. 2 mi above the Snake River, 5,000', 5/12/39.

Moore 77, WS, McGaffee Cow Camp, head of Bernard Cr., 7,000' (actually the Camp is at 5,700'), 5/16/36.

St. John and Mullen 8495, WS, small trees on rocky ledges, Dry Diggins, head of Bernard Cr., 7,000', 7/20/27.

Plus 4 Sight Records by Bingham and Miller and C. Johnson.

*Crataegus douglasii* Lindl. var. *douglasii*, the Rocky Mountain variety of Black Hawthorne.

Uncommon (mostly at lower elevs.), entire Seven Devils and Rapid River, 5,000-5,400'.

Bingham 535, ID, open, clearcut plantation area near ridgetop,

- along rd. 420 ca. 0.2 mi south of rd. 241 and 1½ mi south of Cow Cr. Saddle, 5,400', 7/21/82.
- Plus 4 Sight Records by Bingham and Miller, below Big Canyon Saddle, north of Cow Cr. Saddle, and in Rapid River, 2,200-5,200'.
- Fragaria vesca* L. var. *bracteata* (Heller) Davis, the long-peduncled variety of the Woods Strawberry.
- Common, entire Seven Devils and Rapid River, 5,000-7,800'.
- Bingham and Miller 126, ID and WS, open, southeast-facing slope in a *Pinus contorta-Abies lasiocarpa* stand along the Old Boise Trail ca. 0.1 mi north of Hanson Cr., 6,800', 7/16/80.
- Brewer 52, Council R.D., Fawn Cr., sec. 8, T. 19 N., R. 2 W., 5,000', 6/11/29.
- Comstock 91, WS, north slope of Lightning Cr. 6 mi from Snake River, ? elev., 5/13/39.
- Moore 93, WS, head of Bernard Cr., McGaffee Cow Camp, 8,600' (the Camp is at 5,700'), 5/16/36.
- Plus 36 Sight Records by Bingham and Miller, C. Johnson, and Steele, Big Canyon Saddle to Lockwood Saddle and Landore, 5,000-7,800'.
- Geum macrophyllum* Willd. var. *perincisum* (Rydb.) Raup, the variety of Large-leaved Avens from east of the Cascade Mountains.
- Occasional, central Seven Devils, 6,600-7,400'.
- Baker 12273, ID, moist ground, streamside, west slope of Heavens Gate (possibly in a south fork of the east fork of Sheep Cr. below the spring for the old Windy Saddle campground ca. ¼ mi northwest of the Saddle), 7/31/54.
- Bingham and Miller Sight Records: shores of Baldy Lake, 7,200', 8/15/81; along Horse Heaven Cr. just west of the Old Boise Trail, 7,100', 8/18/81; and along trail 124 ca. 1 mi northwest of Baldy Lake, 6,600', 8/14/81.
- Geum triflorum* Pursh var. *ciliatum* (Pursh) Fassett, the east Rocky Mountains variety of Prairie Avens.
- Common, entire Seven Devils and Rapid River, 5,000-7,700'.
- Baird 8/1/71, Council R.D., Summit Cr. rd., 5,500', 8/1/71.
- Baker 12037, ID, open alpine slope, Seven Devils Camp, 7/21/54.
- Bingham 541, ID and WS, open sedge-forb meadow on ridgetop with basaltic rock, ca. 0.1 mi south of Cow Cr. Saddle, 5,240', 7/21/82.
- \*Christ 12573, ?NY, grassy west slopes, Heavens Gate, 7/12/41.
- Jones 225, ID and WS, grassy meadow, Heavens Gate, 7/13/50.
- Moore 96, WS, ridge southeast of McGaffee Cow Camp, 8,600' (prob. nearer to 6,000'), 5/16/36.
- Packard 582, WS, under open pine stand in Low Saddle, 5,350', 5/13/39.
- Plus 17 Sight Records by Bingham and Miller, C. Johnson, and Tisdale.
- Holodiscus discolor* (Pursh) Maxim., Creambush Ocean Spray.
- Common, low elevs., entire Seven Devils and Rapid River, 5,000-7,000'.
- Baird 8/18/71, Council R.D., on small creek 1 mi above Bear Guard Station, 5,200', 8/18/71.
- Baker 11337, ID, open, wooded thicket 6 mi north of Cuprum (prob. along rd. 106), 9/3/53.
- Brewer 74, Council R.D., Rapid River bridge, mouth of Paradise Cr. (apparently the trail 181 bridge), 4,500', 7/31/29.
- Holmgren and Tillett 9609, WS, road between Cuprum and the Snake River, ? elev., 7/14/53.
- \*Nelson and Nelson 3003, ?RM, trail to Dry Diggins, 8/10-15/38.
- Plus 18 Sight Records by Bingham and Miller and C. Johnson, Big Canyon Saddle to Rankin Mill, 5,000-7,000'.
- Physocarpus malvaceus* (Greene) Kuntze, Mallow Ninebark.
- Common, entire Seven Devils and Rapid River, 5,000-6,800'.
- Bingham and Miller 179, ID and WS, east-facing, 1/3-shaded, rocky slope in a *Pseudotsuga menziesii/Physocarpus malvaceus* h.t. along the Old Boise Trail 101 ca. 1/2-3/4 mi north of Hanson Cr., 6,800', 7/18/80.
- Christ 12628, ID and WS, timbered mountainside with Douglas-fir

- on the trail from the Wilson (Hibbs) Cow Camp (trail 124) to Baldy Lake, 7/15/41.
- \*Nelson and Nelson 3013, ?RM, Dry Diggins trail, 8/10-15/38.  
Plus 22 Sight Records by Bingham and Miller, C. Johnson, and Steele, Big Canyon Saddle to Huntley Gulch, 5,000-6,700'.
- Potentilla arguta* Pursh var. *convallaria* (Rydb.) Wolf, Valley Cinquefoil.  
Occasional, central Seven Devils, 6,500-7,700'.  
Baker 12076, ID, dry, rocky hillside above Seven Devils Guard Station, 7/21/54.  
Christ 12507, ID, open, grassy mountainside 1 mi east of Seven Devils Camp, 7/12/41.  
C. Johnson 8/14/83, BKR 2484, Plot 7036, east of the Old Boise Trail 101 along the Snake-Salmon Rivers divide ca. 0.2 mi south of where trail 110 turns east and down the south fork of Squaw Cr., *Festuca idahoensis*-*Koeleria cristata* community, 7,660', 8/14/83.  
Plus 1 Sight Record by C. Johnson Plot 7034, Old Timer Mine, 6,470', 8/13/83.
- Potentilla diversifolia* Lehm. var. *diversifolia*, Varileaved Cinquefoil.  
Occasional, central and southern Seven Devils, 7,200-8,400'.  
Bingham and Miller 76, ID, gently sloping, north-facing, open, wet, dense, low-sedge meadow bordered by an open *Abies lasiocarpa*-*Pinus albicaulis* forest, ca. 0.4 mi almost directly north of the summit of He Devil Mt. in the valley southwest of trail 123, 8,300', 7/25/79.  
Christ 8640, WS, lakeshore, Black Lake, 8/8/37.  
\*Christ 12543, ?NY, in tundra on peak, Heavens Gate, 7/12/41.  
Tisdale Sight Record, vicinity of Bald Mt., 7,700', 7/16/79.
- Potentilla flabellifolia* Hook., Fanleaved Cinquefoil.  
Frequent, central and southern Seven Devils, 7,000-8,000'.  
Baird 7/29/71, Council R.D., base of talus slope ½ mi north of High Dive, 7,500', 7/29/71.  
Bingham and Miller 32 & 316, ID, in an open sedge bog at the north end of the pond along the northeast side of Sheep Lake, 7,880', 7/22/79; and moist, northwest-facing, stabilized talus under a dense sedge mat at the foot of a cirque wall, ca. ½ mi easterly along rd. 112 from High Dive point, 7,550', 7/16/81; respectively.  
\*Christ 8650, ?NY, in timber in cirque on Pyramid Peak, 8/8/37.  
Christ 12609, ID and WS, banks of Sheep Cr. Lake No. 2 (Shelf Lake), 7/14/41.  
Davis 2531, WS, moist ravine, Black Lake, 7/3/40.  
St. John and Mullen 8528, WS, in meadow at Dry Diggins, 8,000', 7/22/27.  
Plus 10 Sight Records by Bingham and Miller.
- Potentilla glandulosa* Lindl. var. *glandulosa*, Glandular Cinquefoil.  
Scarce, central Seven Devils, 7,600' ±.  
Baker 12038, ID, open alpine slopes, Seven Devils Camp, 7/21/54.
- Potentilla glandulosa* Lindl. var. *intermedia* (Rydb.) Hitchc., the subrotate-calyxed, long- and dark-yellow-petaled variety of the Glandular Cinquefoil.  
Common, entire Seven Devils, 5,900-8,000'.  
Bingham and Miller 147, ID, southeast-facing, gentle, open, rocky slope with a sedge-forb meadow in an open *Pinus contorta*-*Abies lasiocarpa* forest, along the Old Boise Trail 101 ca. 0.1 mi northeast of Hanson Cr., 6,800', 7/17/80.  
Q. Jones 200, ID, among rocks on south-facing slopes, Heavens Gate, 7/12/50.  
Plus 30 Sight Records by Bingham and Miller (Low Saddle to Lockwood Saddle, 5,900-8,000').
- Potentilla glandulosa* Lindl. var. *pseudorupestris* (Rydb.) Breit., the subrotate-calyxed and long- but light-yellow-to-white-petaled variety of the Glandular Cinquefoil.  
Uncommon, entire Seven Devils, 8,000-9,300'.  
Bingham and Miller 44, ID, bedrock crevices on open, bedrock ridgetop, summit of She Devil Mt., 9,300', 7/23/79.



- \*Christ 8674 & 8710, ?NY, talus slopes near Black Lake, 8/8/37; and slopes of high ridges near Black Lake, 8/8/37; respectively.
- Comstock 93, WS, 6 mi from the Snake River on the ridge between Lightning and Sheep Cr., ? elev., 5/12/39.
- \*Nelson and Nelson 2990 & 3011, ?RM, Horse Heaven and Dry Diggins, respectively, 8/10-15/38.
- St. John and Mullen 8509, WS, rocky cliffs, Dry Diggins, 8,000', 7/21/27.
- Potentilla glandulosa* Lindl. var. undet., Glandular Cinquefoil.  
Christ 12473, WS, cliffs on Seven Devils Ridge, 7/11/41 (identification in question, teste S. Saufferer).  
 \*Christ 12503, ?NY, open, grassy slopes, Seven Devils Camp, 7/12/41.  
 Plus 18 Sight Records by C. Johnson and Steele.
- Potentilla gracilis* Dougl. var. *brunescens* (Rydb.) Hitchc., the glandular and pubescent variety of Slender Cinquefoil.  
Scarce, northern Seven Devils, 5,000' ±.  
Packard 578, WS, exposed, grassy slope above the Clark's Fk. of Sheep Cr., ? elev., 5/13/39.
- Potentilla gracilis* Dougl. var. *flabelliformis* (Lehm.) Nutt., the variety of Slender Cinquefoil having deeply dissected leaves.  
Scarce, central and southern Seven Devils, 6,200-6,800' point, 7,550', 7/16/81; respectively.  
 \*Christ 8650, ?NY, in timber in cirque on Pyramid Peak, 8/8/37.  
Christ 12609, ID and WS, banks of Sheep Cr. Lake No. 2 (Shelf Lake), 7/14/41.  
Davis 2531, WS, moist ravine, Black Lake, 7/3/40.  
St. John and Mullen 8528, WS, in meadow at Dry Diggins, 8,000', 7/22/27.  
 Plus 10 Sight Records by Bingham and Miller.
- Potentilla glandulosa* Lindl. var. *glandulosa*, Glandular Cinquefoil.  
Scarce, central Seven Devils, 7,600' ±.  
Baker 12038, ID, open alpine slopes, Seven Devils Camp, 7/21/54.
- Potentilla glandulosa* Lindl. var. *intermedia* (Rydb.) Hitchc., the subrotate-calyxed, long- and dark-yellow-petaled variety of the Glandular Cinquefoil.  
Common, entire Seven Devils, 5,900-8,000'.  
Bingham and Miller 147, ID, southeast-facing, gentle, open, rocky slope with a sedge-forb meadow in an open *Pinus contorta-Abies lasiocarpa* forest, along the Old Boise Trail 101 ca. 0.1 mi northeast of Hanson Cr., 6,800', 7/17/80.  
Q. Jones 200, ID, among rocks on south-facing slopes, Heavens Gate, 7/12/50.  
 Plus 30 Sight Records by Bingham and Miller (Low Saddle to Lockwood Saddle, 5,900-8,000').
- Potentilla glandulosa* Lindl. var. *pseudorupestris* (Rydb.) Breit., the subrotate-calyxed and long- but light-yellow-to-white-petaled variety of the Glandular Cinquefoil.  
Uncommon, entire Seven Devils, 8,000-9,300'.  
Bingham and Miller 44, ID, bedrock crevices on open, bedrock ridgetop, summit of She Devil Mt., 9,300', 7/23/79.  
 \*Christ 8674 & 8710, ?NY, talus slopes near Black Lake, 8/8/37; and slopes of high ridges near Black Lake, 8/8/37; respectively.  
Comstock 93, WS, 6 mi from the Snake River on the ridge between Lightning and Sheep Cr., ? elev., 5/12/39.  
 \*Nelson and Nelson 2990 & 3011, ?RM, Horse Heaven and Dry Diggins, respectively, 8/10-15/38.  
St. John and Mullen 8509, WS, rocky cliffs, Dry Diggins, 8,000', 7/21/27.
- Potentilla glandulosa* Lindl. var. undet., Glandular Cinquefoil.  
Christ 12473, WS, cliffs on Seven Devils Ridge, 7/11/41 (identification in question, teste S. Saufferer).  
 \*Christ 12503, ?NY, open, grassy slopes, Seven Devils Camp, 7/12/41.  
 Plus 18 Sight Records by C. Johnson and Steele.

- Potentilla gracilis* Dougl. var. *brunescens* (Rydb.) Hitchc., the glandular and pubescent variety of Slender Cinquefoil.  
Scarce, northern Seven Devils, 5,000' ±.  
Packard 578, WS, exposed, grassy slope above the Clark's Fk. of Sheep Cr., ? elev., 5/13/39.
- Potentilla gracilis* Dougl. var. *flabelliformis* (Lehm.) Nutt., the variety of Slender Cinquefoil having deeply dissected leaves.  
Scarce, central and southern Seven Devils, 6,200-6,800'.  
Baker 11326, ID, moist ground about spring, 6 mi north of Cuprum (prob. along rd. 106), 9/3/53.  
Bingham and Miller 438, ID, east-facing, open, meadowy hillside, an open meadow bordered by a moderately dense *Picea engelmannii*, *Abies lasiocarpa*, *Pinus contorta* forest, Old Town (old mining camp) ca. ¼ mi south of Rankin Mill in the west fork of the Rapid River at the jct. of trails 191 and 113, 6,160', 8/16/81.
- Potentilla gracilis* Dougl. var. *glabrata* (Lehm.) Hitchc., the variety of Slender Cinquefoil having less deeply dissected as well as greenish-undersided leaves.  
Uncommon, northern and central Seven Devils, 5,000-8,000'.  
Aldrich 7/4/07, ID 2701, Camp Howard, 5,000' (prob. the Cow Camp), 7/4/07.  
Baker 12014, ID, open alpine slopes at Seven Devils Camp, 7/21/54.  
Christ 12504, ID and WS, grassy slopes, Seven Devils Camp, 7/12/41.  
Davis 2353, IDF and WS, medium dry open hill, Heavens Gate, 6/28/40.  
Packard 431 & 578, WS, dry open flat, Hibbs Cow Camp, 8,000', 7/26/38; and exposed, grassy slope above the Clark's Fk. of Sheep Cr., ? elev., 5/13/39; respectively.
- Potentilla gracilis* Dougl. var. undet., Slender Cinquefoil.  
Baird 6/26/72, Council R.D., 2 mi below Placer Basin Mine, 5,000', 6/26/72.  
Bingham and Miller Sight Records: Grave Point to Landore, and Rapid River, 5,400-7,000', 7 records.  
C. Johnson Sight Records: Dixon Corrals to Horse Heaven Lookout pasture, 5,150-8,050', 4 records.  
\*Kruckeberg 3191, ?WTU, open, grassy hillside above Seven Devils Forest Station (the Guard Station), 7,000' (must be above 7,200'), 7/30/52.
- Prunus emarginata* (Dougl.) Walp. var. *emarginata*, Bitter Cherry.  
Frequent, entire Seven Devils, 5,000-7,000'.  
Bingham 288, ID, east-facing, open, moderately dry, rocky hillside, surrounded by a moderately open *Pseudotsuga menziesii*-*Pinus contorta* forest, along the Old Boise Trail 101 on the Snake-Salmon Rivers divide ca. ½ mi northeast of its jct. with the Lightning Cr. Ridge trail 52, 6,760', 7/9/81.  
\*Christ 11069, ?NY, mountainside in Snake River Gorge west of Cuprum, 5/30/40.  
Moore 71, WS, rocky hillside, Bernard Cr. trail (110), 3 mi from Snake River, 5,000', 5/16/36.  
St. John and Mullen 8514, WS, woods at Hibbs Cow Camp, 8,000', 7/21/27.  
 Plus 7 Sight Records by Bingham and Miller, Big Canyon Saddle to Lockwood Saddle, 5,000-7,000'.
- ?*Prunus virginiana* L. var. *demissa* (Nutt.) Torr., the black-fruited variety of the Common Chokecherry, (but out of the western Cascade range of var. *demissa*).  
\*Christ 11063, ?NY, on high slopes overlooking the Snake River Gorge west of Cuprum, ? elev., 5/30/40.
- Prunus virginiana* L. var. *melanocarpa* (Nels.) Sarg., the dark-blue-purple-fruited variety of the Common Chokecherry.  
Uncommon (mostly from lower elevs.), entire Seven Devils and Rapid River, 5,000-6,500'.  
Bingham and Miller 582, ID and WS, amongst roadside brush along rd. 517 ca. ¼ mi up the rd. from its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.

- Brewer 58, Council R.D., Krammer Cabins, sec. 1, T. 20 N., R. 3 W., (prob. along rd. 105), 5,000', 6/21/29.
- Comstock 106, WS, north slope of Lightning Cr. 10 mi from Snake River, ? elev., 5/12/39.
- Plus 5 Sight Records by Bingham and Miller, C. Johnson, and Steele, north of Emerald Lake to Bear-Indian Crs. divide along rd. 002, 5,000-6,450'.
- Purshia tridentata* (Pursh) DC., Bitterbrush.
- Scarce (mostly at lower elevs.), southern Seven Devils, 5,000' ±.
- \*Christ 8590, ?NY, on basalt scabland 6 mi north of Bear (prob. along rd. 105), 8/8/37.
- Rosa gymnocarpa* Nutt., Little Wild Rose.
- Frequent, entire Seven Devils, 5,100-7,100'.
- C. Johnson Sight Records, Wild Horse Butte and Motthorn Saddle south to Carbonate Hill, 5,100-7,000', 6 records.
- St. John and Mullen 8392, WS, thickets at McGaffee Cow Camp, 6,000', 7/17/27.
- Steele Sight Records, Papoose Cr. south to 6 mi north of Cuprum, 5,500-5,800', 3 records.
- Rosa nutkana* Presl var. *hispida* Fern., Bristly Nootka Rose.
- Occasional, central and southern Seven Devils, 5,000-7,100'.
- Bingham and Miller 572, ID and WS, along the upper side of rd. 517 on a southeast-facing, open, rocky but grass-sedge-forb covered slope ca. ¼ mi above the crossing of Shingle Cr., 7,100', 8/17/82.
- \*Christ 11067, ?NY, on mountainsides in Snake River Gorge west of Cuprum, 5/30/40.
- Steele Sight Record, Stand 81-Pa-01B, along the Indian Cr. rd. 105, 6 mi above Cuprum, 5,550', 6/24/81.
- Rosa woodsii* Lindl. var. *ultramontana* (Wats.) Jeps., Pearhip Rose.
- Occasional (mostly from lower elevs.), central and southern Seven Devils, 5,000-6,000'.
- Packard 266, WS, open flat on Timbered Bench above Little Granite Cr., 6,000', 6/20/37.
- Steele Sight Records: Stand 72-Pa-24, along the Bear-Cuprum rd. 002 above Huntley Gulch, 5,000', 6/12/72; and Stand 72-Pa-26, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,100', 6/12/72.
- Rubus discolor* Weihe and Ness, Himalayan Blackberry (Old-World introduction).
- Scarce, Rapid River only, 4,000' minus.
- Bingham and Miller Sight Record, in McCrea Cr. at the McCrea Place, 4,000', 6/9/82.
- Rubus idaeus* L. var. *gracilipes* Jones, the woolly-leaved variety of Red Raspberry.
- Common, central and southern Seven Devils, 6,600-8,400'.
- Bingham and Miller 185, ID and WS, northeast-facing, open, loose rockslide along the Old Boise Trail 101 ca. 0.1 mi southward from Cannon Cr., 6,600', 7/18/80.
- \*Christ 12677, ?NY, in slide rock on Sheep Cr. trail (112), 7/17/41.
- F. Johnson 8/16/62 & 6/25/64, IDF 6225 & 697231, among rocks in exposed area, Heavens Gate, 7,500', 8/16/62; and among rocks, open faces, Heavens Gate Lookout, 6/25/64; respectively.
- Meyer 257, WS, on rock tables and outcroppings, Seven Devils Mts. above Sheep Cr. and the Snake River Canyon, 5/16/36.
- St. John and Mullen 8448, WS, woody crest of Dry Diggins, 7,500', 7/20/27.
- Plus 18 Sight Records by Bingham and Miller, Bald Mt. to Smith Mt., 6,800-8,000'.
- Rubus leucodermis* Dougl., Black Raspberry.
- Scarce (mostly at lower elevs.), central Seven Devils and Rapid River, 5,000' ±.
- Bingham and Miller 568, ID, east-facing, open creek bottom in a clearcut stand of *Pinus ponderosa*, *Pseudotsuga menziesii*, and *Abies grandis*, in the northmost fork of Shingle Cr. traversed by rd. 517 ca. ½ mi above its 2d crossing of Papoose Cr. in sec. 26, 4,900', 8/17/82.

- Plus 2 Sight Records by Bingham and Miller, lower Rapid River and west fork Rapid River, 2,600-3,600'.
- Rubus parviflorus* Nutt., Thimbleberry.
- Common, entire Seven Devils and Rapid River, 5,000-7,200'.
- Baker 12257, ID, moist woods along Shingle Cr. (prob. along rd. 517), 7/31/54.
- Brewer 147, IDF 77115, Rapid River, sec. 10, T. 22 N., R. 1 W., 4,000', 8/26/31 (prob. along trail 177 near Hall or Castle Cr.).
- \*Christ 8620 & 12689, ?NY, springy places on mountainside, Black Lake, 8/8/37; and timbered mountainside along the Sheep Cr. trail (112), 7/17/41; respectively.
- Plus 25 Sight Records by Bingham and Miller, C. Johnson, and Steele, Big Canyon Saddle south to Lockwood Saddle, and lower Rapid River, 5,000-7,200'.
- Sibbaldia procumbens* L., Creeping Sibbaldia.
- Common, central and southern Seven Devils, 6,800-9,000'.
- Baker 11304, ID, moist, shaded slope, Sheep Rock, 9/3/53.
- Bingham and Miller 25, ID, west-facing, small, rocky sedge meadow in an open *Abies lasiocarpa*-*Pinus albicaulis* stand ca. 0.1 mi southwest of Heavens Gate Lookout, 8,300', 7/25/79.
- \*Christ 8670, 12455, & 12554, ?NY, rocky talus slopes on Pyramid Peak, 8/8/37; in tundra on grassy slopes by Seven Devils Lake, 7/11/41; and on rocky shingle of ridge, Heavens Gate, 7/12/41; respectively.
- St. John and Mullen 8557, WS, rocky ledge on He Devil Mt., 9,000', 7/24/27.
- Plus 15 Sight Records by Bingham and Miller, trail 112 between the forks of Sheep Cr. to Purgatory Saddle and Black Lake, 7,000-8,200'.
- Sorbus scopulina* Greene var. *scopulina*, Cascade Mountain Ash.
- Common, entire Seven Devils and west fork Rapid River, 5,300-7,000'.
- Baird 6/26/72, Council R.D., 2 mi below Placer Basin Mine, 5,000', 6/26/72.
- Bingham and Miller 400, ID, northeast-facing, half-shaded, rocky slope in an open *Abies lasiocarpa*-*Pinus contorta* forest ca. ¼ mi south-southwest of Seven Devils Guard Station in the dry fork of Bridge Cr. below Seven Devils Lake, 7,300', 7/26/81.
- Brewer 32, IDF, Patrolman Cr., sec. 1, T. 22 N., R. 2 W., 6,000' (small side drainage running into the west fork of the Rapid River north of Jackley Mt.), 8/30/28.
- \*Nelson and Nelson 2960, ?RM, Rapid River Trail (number unknown), 8/10-15/38.
- Plus 25 Sight Records by Bingham and Miller, C. Johnson, and Steele, Cow Cr. Saddle to Lockwood Saddle, 5,300-7,000', and west fork Rapid River.
- ?*Sorbus sitchensis* Roem. var. *sitchensis*, Sitka Mountain Ash.
- \*Christ 12681, ?NY, with Douglas-fir along the Sheep Cr. trail 112, 7/17/41 (but *S. sitchensis* normally is only a northern Idaho species; prob. this collection is *S. scopulina*, as found by Bingham and Miller along trail 112 in the west fork of Sheep Cr., and seen elsewhere along trail 112).
- Spiraea betulifolia* Pall. var. *lucida* (Dougl.) Hitchc., the white-flowered variety of the Shiny-leaf Spiraea.
- Common, entire Seven Devils and Rapid River, 5,000-7,500'.
- Baker 11336, ID, open, wooded thicket 6 mi north of Cuprum (prob. along rd. 106), 9/3/53.
- Bingham and Miller 249, ID and WS, north-facing, half-shaded, rocky slope in a moderately dry and dense *Pinus contorta*, *Picea engelmannii*, *Abies lasiocarpa* forest, along trail 189 ca. ½ mi north of the Ruth Lake trail, 7,000', 8/27/80.
- \*Christ 8595, ?NY, timbered mountainside 6 mi north of Bear, 8/8/37.
- \*Nelson and Nelson 3012, ?RM, Dry Diggins, 8/10-15/38.
- Plus 35 Sight Records by Bingham and Miller, C. Johnson, and Steele, Big Canyon Saddle to Lockwood Saddle, 5,000-7,500', and lower west fork of Rapid River.

*Spiraea densiflora* Nutt. var. *densiflora*, Subalpine Spiraea.

Frequent, central and southern Seven Devils, 7,200-8,500'.

Bingham 327 & Bingham and Miller 372, ID and WS, open lakeshore with a deep, gravelly-silty loam soil at the edge of a moderately dense *Abies lasiocarpa*-*Picea engelmannii* forest, along the northwest shore of Black Lake, 7,200', 7/17/81; and open stream bottom with a deep silty loam soil at the outlet of Lower Cannon Lake, edge of an *Abies lasiocarpa*, *Picea engelmannii*, *Pinus contorta* forest, 7,000', 7/27/81; respectively.

\*Christ 8697, ?NY, high slopes near Black Lake, 8/8/37.

Kruckeberg 3212, WS and WTU, at borders of Seven Devils Lake, 8/2/52.

LaZelle 8/28/63, ID 44475, east shore of Seven Devils Lake, 8/28/63.

St. John and Mullen 8556, WS, shores of "Little Granite Cr. Lake" (prob. in the head of the Echo Lake chain), 8,500', 7/24/27.

Plus 5 Sight Records by Bingham and Miller, shores of Echo, Lily Pad Basin and northeasternmost of lakes in Six Lake Basin, and shores of pond  $\frac{1}{4}$  mi south of Purgatory Saddle, 7,200-7,600'.

## Rubiaceae

*Galium aparine* L. var. *echinospermum* (Wallr.) Farw., the variety of Goosegrass Bedstraw having fruits with hooked spines.

Frequent, entire Seven Devils and Rapid River, 5,000-7,600'.

Bingham and Miller 193, east-facing, rocky slope in *Pseudotsuga menziesii* forest along the Old Boise Trail ca.  $\frac{1}{2}$ - $\frac{3}{4}$  mi north of Hanson Cr., 6,800', 7/18/80.

\*Christ 8629, ?NY, springy places on mountainside, Black Lake, 8/8/37.

Plus 17 Sight Records by Bingham and Miller, C. Johnson, Steele, and Tisdale, Big Canyon Saddle to Emerald Lake, 5,000-7,600'; also Rapid River.

*Galium bifolium* Wats., Low Mountain Bedstraw.

Frequent, entire Seven Devils, 5,000-7,500' +.

Bingham and Miller 142, ID, and 512, ID and WS, rocky, east-facing, sedge-forb meadow along edge of boulderfield along the south side of Dog Cr. ca.  $\frac{3}{5}$  mi below Dog Lake, 7,500', 7/16/80; and rocky, granitic soil on south-facing roadbank along rd. 106 ca. 1 mi north of Lockwood Saddle, 6,700', 5/30/82; respectively.

\*Christ 12530, ?NY, thin soil on open east slopes, Heavens Gate, 7/12/41.

Davis 2344, ID and WS, moderately dry, open hillsides, Sheep Cr., 6/26/40.

Ownbey and Meyer 2070, WS, gravel slide, headwaters of Sheep Cr., 6/26/40.

Plus 5 Sight Records by Bingham and Miller and Steele, Cold Springs Lookout site to Huntley Gulch, 5,000-7,300'.

*Galium multiflorum* Kell., Many-flowered Bedstraw.

Scarce, southern Seven Devils, 5,000' ±.

Christ 11072, ID and WS, mountainside in Snake River Gorge west of Cuprum, 5/30/40.

*Galium triflorum* Michx., Sweet-scented Bedstraw.

Uncommon, entire Seven Devils, 5,000-6,700'.

Baird 8/6/71, Council R.D., in timber along Landore-Cuprum rd.  $\frac{1}{2}$  mi from Cuprum, 5,000', 8/6/71.

Baker 12261, ID, moist woods along Shingle Cr. (prob. the north fork along rd. 517), 7/31/54.

C. Johnson Sight Records: Plot 789, along rd. 2060 ca.  $\frac{1}{4}$  mi east of Kirkwood Cr., 5,220', 6/29/82; Plot 7019, ca.  $\frac{1}{4}$  mi west of Echo Lake below trail 124, 6,610', 8/11/83; Plot 7029, west of trail 110 on the Bills-Sheep Cr. divide ca.  $\frac{1}{2}$  mi north of trail 140, 5,600', 8/13/83; and Plot 7056, along the Old Boise Trail 101 ca.  $\frac{1}{4}$  mi southwest of Cannon Cr., 6,720', 8/21/83.

Steele Sight Records, Stand 74-38, along rd. 517 below the south fork of Papoose Cr., 5,800', 8/8/74; and stand 81-Pa-01B, along Indian Cr. rd. 105 ca. 6 mi above Cuprum, 5,500', 6/24/81.

*Kellogia galioides* Torr., Kellogia.

Scarce, central Seven Devils, 6,800-7,200' ±.

Christ 12701, ID and WS, slide rock on west slopes along Sheep Cr. trail (112), 7/17/41.

Packard 456, WS, moist shady places near streambank where the Brundage Trail crosses the west fork of Sheep Cr. (trail 112), 6,700', 7/28/38.

## Salicaceae

*Populus tremuloides* Michx., Trembling or Quaking Aspen.

Common, entire Seven Devils, 5,200-7,300'.

Baker 12093, ID, rocky canyon below Heavens Gate, 7/21/54.

St. John and Mullen 8393, WS, thicket, McGaffee Cow Camp, 5,400', 7/17/27.

Plus 18 Sight Records by Bingham and Miller and C. Johnson, (Cow Cr. Saddle, to Cuprum-Landore rd. 105, 5,200-7,300').

*Populus trichocarpa* Torr. and Gray, Northern Black Cottonwood.

Scarce, southern Seven Devils and Rapid River, 5,300' ±.

Bingham and Miller Sight Records: at old Landore where rd. 105 crosses Indian Cr., 5,350', 6/30/82; and at the trail 113 trailhead gate at the southwest end of the Circle C State Fish Hatchery, 2,200', 6/8/82, and along the west fork Rapid River trail 113 ca. ¼ mi west of the main forks in sec. 26, 2,800', 6/8/82.

?*Salix boothii* Dorn, Booth's Willow.

Scarce, central and southern Seven Devils, 7,400-7,600' ±.

Bingham and Miller 229 & 350, ID and WS, west bank of Horse Heaven Lake, 7,600', 8/26/80; and at the outlet of the largest and northeasternmost of the lakes in Six Lake Basin, 7,440', 7/18/81; respectively (but only male catkins were collected, and females are needed for positive identification).

*Salix commutata* Bebb, Undergreen Willow.

Scarce, central Seven Devils, 7,100' ±.

Bingham and Miller 260, ID and WS, bank of the easternmost of the Bernard Lakes along trail 57, 7,100', 8/29/80.

*Salix eastwoodiae* Heller, Eastwood's Willow.

Occasional, central and southern Seven Devils, 7,000-8,000'.

Bingham 329, ID and WS, Bingham and Miller 371, ID, and Bingham and Miller 380, ID and WS, northwest shores of Black Lake, 7,200', 7/17/81; outlet of Lower Cannon Lake, 7,000', 7/27/81; and outlet of Dog Lake, 8,000', 7/28/81; respectively.

*Salix exigua* Nutt. ssp. *exigua* var. *exigua*, Coyote Willow.

Scarce, lower Rapid River only, 2,600' ±.

Bingham and Miller Sight Record, Rapid River 1½ mi above Blue Gulch, along trail 113, 2,600', 6/8/82.

*Salix scouleriana* Barratt, Scouler's Willow.

Common, entire Seven Devils and Rapid River, 5,000-7,700'.

Baker 11295, ID, summit of Kinney Point (7,125'), 9/3/53.

Bingham 280, ID, flat under open *Pinus ponderosa* forest at the end of the Low Saddle spur rd. in Low Saddle, 5,400', 8/8/81 (some individuals to 12" d.b.h.).

\*Christ 12603, ?NY, on wooded slope in cirque below Seven Devils Lake, 7/13/41.

Lewis 2263a, BOIS, OGD, Steele Stand 72-Pa-24, along the Bear-Cuprum rd. 002 at the Bear-Indian Cr. divide, sec. 21, T. 20 N., R. 3 W., 5,790', 6/12/72.

Plus 32 Sight Records by Bingham and Miller, C. Johnson, and Steele, Big Canyon Saddle south to Huntley Gulch, 5,000-7,700'.

## Saxifragaceae

- Heuchera cylindrica* Dougl. var. *alpina* Wats., the more hairy, alpine variety of the Roundleaf Alumroot.  
Uncommon, central, eastern, and southern Seven Devils, 7,200-8,100'.  
Baker 12044, ID, open alpine slopes, Seven Devils Camp, 7/21/54.  
\*Christ 8689 & 12596, ?NY, on high ridges near Black Lake, 8/8/37; and cliffs in cirque below Seven Devils Lake, 7/13/41; respectively.  
C. Johnson 9/1/83, BKR 2429, Plot 7070, west of the Old Boise Trail 101 at Fire Camp Saddle, *Festuca idahoensis-Danthonia intermedia* community, 7,180', 9/1/83.  
Wellner 1679, ID, north of the lookout on Pollock Mt., 8,050', 8/6/78.  
Plus 1 C. Johnson Sight Record, Plot 7007, northeast shore of Haas Lake, 7,240', 8/9/83.
- Heuchera cylindrica* Dougl. var. *cylindrica*, Roundleaf Alumroot.  
Scarce, central Seven Devils, 8,400' ±.  
Christ 12545, ID, on cliffs, Heavens Gate, 7/12/41.
- Heuchera cylindrica* Dougl. var. *glabella* (Torr. and Gray) Wheelock, the finely pubescent variety of the Roundleaf Alumroot.  
Scarce, central Seven Devils, 7,700' ±.  
C. Johnson Sight Record, Plot 7036, east of the Old Boise Trail 101 ca. 1/3 mi south of The Narrows, 7,660', 8/14/83.
- Heuchera grossulariifolia* Rydb. var. *grossulariifolia*, Gooseberry-leaved Alumroot.  
Common, entire Seven Devils and Rapid River, 5,000-8,000'.  
Bingham and Miller 405 & 477, ID, open southeast-facing crevices in bedrock outcropping, south side of the dry fork of Bridge Cr. below Seven Devils Lake, ca. 1/4 mi south-southwest of Seven Devils Guard Station, 7,300', 7/26/81; and moist, north-facing, mossy base of talus slope along the lower Rapid River trail 113 ca. 1 1/2 mi above Blue Gulch, 2,650', 7/8/82; respectively.  
\*Christ 12479, ?NY, on crags and in crevices, Seven Devils Ridge, 7/11/41.  
Q. Jones 222, ID and WS, in cracks in rocks, Heavens Gate, 7/13/50.  
Plus 26 Sight Records by Bingham and Miller, Camp Howard Triangulation Station to Lockwood Saddle, 5,300-8,000'.
- Heuchera micrantha* Dougl. var. *micrantha*, Small-flowered Alumroot.  
Scarce, Rapid River only, 2,500-3,400'.  
Bingham and Miller 494, ID and WS, base of mossy, north-facing talus in the bottom of the Rapid River along trail 113 ca. 1 1/2 mi above Blue Gulch, 2,650', 7/8/82.  
Bingham and Miller Sight Record, along trail 113 near the mouth of Cottonwood Cr. in the bottom of the west fork of the Rapid River, 3,400', 7/8/82.
- Lithophragma parviflora* (Hook.) Nutt., Small-flowered Prairie Star.  
Frequent, entire Seven Devils and Rapid River, 5,000-6,800'.  
Aldrich 7/04/07, ID 2371, Camp Howard (prob. the cow camp), 5,000', 7/04/07.  
Plus 13 Sight Records by Bingham and Miller, C. Johnson, and Tisdale, Big Canyon to Lockwood Saddle and lower and west forks Rapid River, 5,000-6,800'.
- Mitella breweri* Gray, Brewer's Mitrewort.  
Scarce, central Seven Devils, 6,700' ±.  
Bingham and Miller 162, ID and WS, streambank in a moderately dense *Abies lasiocarpa-Picea engelmannii* forest, bottom of Hanson Cr. ca. 0.1 mi east of the Old Boise Trail 101, 6,700', 7/17/80.
- Mitella pentandra* Hook., Alpine Mitrewort.  
Frequent, entire Seven Devils, 5,600-7,300'.  
Bingham 292A, ID, deep silty loam of muddy streambank, 1/3 shaded moderately dense forest of *Abies lasiocarpa*, *Pinus contorta*, and *Picea engelmannii*, along rd. 2060 on the banks of Meyer Cr., 5,800', 7/8/81.  
\*Christ 8362 & 12610, ?NY, springy place on mountainside, Black Lake, 8/8/37; and moist banks of Sheep Cr. Lake No. 2 (Shelf Lake), 7/14/41; respectively.

- Packard 452, WS, wet, shaded streambank where the Brundage Trail crosses the west fork of Sheep Cr., 6,600' (nearer 6,800'), 7/28/38.
- St. John and Mullen 8505, WS, wet, mossy log, Dry Diggins, 8,000', 7/21/27.
- Plus 7 Sight Records by Bingham and Miller and C. Johnson.  
*Mitella stauropetala* Piper, Side-flowered Mitrewort.
- Common, entire Seven Devils and Rapid River, 5,000-7,100'.
- Bingham and Miller 189, ID and WS, east-facing rocky slope in an open *Pseudotsuga menziesii* forest along the Old Boise Trail 101 ca. 1/2-3/4 mi north of Hanson Cr., 6,800', 7/18/80.
- Q. Jones 231, ID, 4 mi toward Riggins from Heavens Gate (actually then from Windy Saddle along rd. 517), 7/14/50.
- \*Packard 327, ?WS, moist north slope in ponderosa pine stand, McGaffee Cow Camp, 5,500', 6/29/37.
- St. John and Mullen 8386, WS, dense thickets, McGaffee Cow Camp, 5,400', 7/17/27.
- Plus 20 Sight Records by Bingham and Miller, C. Johnson, and Steele, Big Canyon Saddle to Huntley Gulch, 5,000-7,100'.
- Parnassia fimbriata* Konig. var. *fimbriata*, Grass-of-Parnassus.
- Frequent, central Seven Devils and upper west fork Rapid River, 6,700-7,900'.
- Bingham and Miller 38, ID, and 235, ID and WS, open bog at the north end of the pond along the northeast side of Sheep Lake at the foot of the Goat Pass manway, 7,880', 7/22/79; and in a 1/3-shaded bog under an *Abies lasiocarpa* forest along the Ruth Lake trail ca. 0.1 mi east of the lake, 7,200', 8/27/80; respectively.
- Brewer 30, Council R.D., Jackley Guard Station (apparently near and north of the lookout site), sec. 12, T. 21 N. (22 N.), R. 3 W. (2 W.), 7,000', 7/30/28.
- Hibbs 8/17/37, WS 107994, in small spring near Hibbs Cow Camp, 7,900', 8/17/37.
- LaZelle 3, ID, west edge of Seven Devils Lake, 7,500', 8/28/63.
- Plus 14 Sight Records by Bingham and Miller, Windy Saddle to Deb's Corral and Ruth Lake, 6,700-7,800'.
- Saxifraga arguta* D. Don, Brook Saxifrage.
- Common, entire Seven Devils and west fork Rapid River, 5,600-7,900'.
- \*Baker 12253, ?ID, moist woods along Shingle Cr. (prob. along rd. 517), 7/31/54.
- Bingham and Miller 37, ID, and 157, ID and WS, open bog at the north end of the pond at the northeast end of Sheep Lake, at the foot of the Goat Pass manway, 7,880', 7/22/79; and in the bottom of Hanson Cr. under a dense *Abies lasiocarpa*-*Picea engelmannii* forest ca. 0.1 mi down the creek from the Old Boise Trail 101, 6,700', 7/17/80; respectively.
- \*Christ 8626 & 12688, ?NY, springy places on mountainside, Black Lake, 8/8/37; and creek banks at the crossing of Sheep Cr. trail (112), and the fork of Sheep Cr. (prob. the west fork), 7/17/41; respectively.
- Packard 451, WS, wet, shaded streambank where the Brundage Trail crosses the west fork of Sheep Cr., 6,600', 7/28/38.
- St. John and Mullen 8454, WS, creek bank, Dry Diggins, 7,300', 7/20/27.
- Plus 23 Sight Records by Bingham and Miller, from along rd. 1819 just southwest of Caribou Cr. south to along rd. 106 2 mi north of Lockwood Saddle, 5,600-7,900'.
- Saxifraga bronchialis* L. var. *austromontana* (Wieg.) Jones, the narrow-leaved variety of the Matted Saxifrage.
- Uncommon, central Seven Devils, 7,100-8,700'.
- Bingham 10 & 102, ID, rock crevices at top of north-facing cliffs immediately north of Heavens Gate Lookout, 8,430', 7/21/79; and west-facing, bedrock ridgetop, crevices under boulders, ca. 1/4 mi down the northwest ridge off He Devil Mt., 8,750', 7/26/79.
- \*Christ 12540, ?NY, ledges on peak, Heavens Gate, 7/12/41.



- \*Nelson and Nelson 3025, ?RM, top of He Devil, 8/10-15/38.  
St. John and Mullen 8580, WS, rocky ledge on He Devil Mt.,  
 9,000', 7/24/27.
- Steele 937, BOIS, Heavens Gate, 8,400', 8/8/74.  
 Plus 1 Sight Record by Bingham and Miller, north-facing, moist  
 bedrock crevices along trail 112 in the head of the east  
 fork of Sheep Cr. ca. ½ mi west-northwest of Windy Saddle,  
 7,100', 8/10/81.
- Saxifraga integrifolia* Hook. var. *claytonaeifolia* (Canby) Rosend., the  
 white-petaled, deltoid-leaved variety of Swamp Saxifrage.  
Scarce, northern and central Seven Devils, 5,000-7,800'.  
Comstock 92, WS, north slope of Lightning Cr. 6 mi from the Snake  
 River, ? elev., 5/12/39.  
Tisdale Sight Record, vicinity of Bald Mt., 7,600-7,800',  
 7/16/79.
- Saxifraga integrifolia* Hook. var. *columbiana* (Piper) Hitchc., the  
 yellow-petaled and glabrous-petioled variety of Swamp Saxifrage.  
Scarce, central Seven Devils, 8,000-8,400'.  
 \*Christ 12572, ?NY, grassy west slopes, Heavens Gate, 7/12/41.  
Q. Jones 221, WS, vicinity of Heavens Gate Lookout, 7/13/50.
- Saxifraga mertensiana* Bong., Merten's Saxifrage.  
Scarce, central Seven Devils, 7,200-7,800' +.  
 \*Christ 12453, ?NY, moist cliffs above Seven Devils Lake.  
Christ 12664, ID and WS, scattered in cliffs about Sheep Cr.  
 Lake No. 4 (Sheep Lake), 7/16/41.
- Saxifraga occidentalis* Wats. var. *idahoensis* (Piper) Hitchc., the Idaho  
 variety of Western Saxifrage.  
Scarce, northern and central Seven Devils, 7,800-8,000'.  
Packard 302 & 344, WS, moist soil near Sheep Cr. Lake No. 4  
 (Sheep Lake) at the foot of He Devil Mt., 8,800' (the  
 lake actually lies at an elev. of 7,825'), 6/27/37; and  
 moist, rocky soil on the divide between the forks of  
 Sheep Cr. (prob. along trail 112 at about 8,000' elev.),  
 6/30/37; respectively.
- Saxifraga occidentalis* Wats. var. *occidentalis*, Western Saxifrage.  
Scarce, central Seven Devils, 8,000' ±.  
Bingham and Miller 360, ID and WS, west-facing, open, consoli-  
 dated talus slope above the east shore of Mirror Lake,  
 8,000', 7/26/81.
- Saxifraga occidentalis* Wats. var. undet. or indeterminate, Western  
 Saxifrage.  
Bingham and Miller 290, ID, east-facing, ¼-shaded cliff crevices  
 ca. 200' west of Crater Lake on the steep, wooded cirque  
 wall east of the Old Boise Trail 101, 6,740', 7/9/81.  
 Plus 6 Bingham and Miller Sight Records, vicinities of  
 Buckhorn Spring, Camp Howard Triangulation Station, ¼ mi  
 below the main forks of the Rapid River, along the west fork  
 of the Rapid River 1 mi below Bridge Cr., shores of Seven  
 Devils Lake, and south of Cow Cr. Saddle, 5,300-6,000'.
- Saxifraga rhomboidea* Greene, Diamondleaf Saxifrage.  
Scarce, central Seven Devils, 7,600' ±.  
 \*Christ 12446, ?NY, moist cliffs above Seven Devils Lake,  
 7/11/41.
- Suksdorfia ranunculifolia* (Hook.) Engelm., Buttercup-leaved Suksdorfia.  
Scarce, central Seven Devils, 7,200' ±.  
 \*Christ 12583, ?NY, on cliffs in cirque below Seven Devils Lake,  
 7/13/41.
- Tiarella trifoliata* L. var. *unifoliata* (Hook.) Kurtz, Foam Flower or  
 False Mitrewort.  
Uncommon, northern and central Seven Devils, 5,000-7,300'.  
Bingham and Miller 590A, ID, east-facing, ¼-shaded, cutover  
 streambottom in a *Pseudotsuga menziesii*, *Pinus ponderosa*,  
*Abies grandis* stand in the northernmost fork of Shingle Cr.  
 crossed by rd. 517 ca. ½ mi up the road from its 2d  
 crossing of Papoose Cr. in sec. 26, 4,900', 8/17/82.  
Bingham and Miller Sight Records: vicinities of Baldy Lake,  
 7,200'; east fork of Sheep Cr. 1½ mi north of trail 112,  
 5,800'; Old Town at the jct. of trails 113 and 191, 6,200';

Ruth Lake, 7,300'; along trail 101 ½ mi northeast of Horse Heaven Cr., 7,300'; and along trail 124 ca. ¼ mi northwest of the south fork of Little Granite Cr., 6,600'.  
C. Johnson Sight Record, vicinity of rd. 2060 at Kirkwood Cr., 5,220'.

## Scrophulariaceae

*Besseyia rubra* (Dougl.) Rydb., Red Besseyia.

Uncommon, lower northern Seven Devils, 5,000-5,600'.

Bingham 459, open basalt-rock ridgetop with grass-forb stand, immediately south of rd. 420 at Cow Cr. Saddle, 5,250', 5/25/82.

Plus 5 Sight Records by Bingham and Miller and C. Johnson, Big Canyon Saddle to Dixon Corrals, 5,000-5,600'.

*Castilleja angustifolia* (Nutt.) G. Don, Northwest Paintbrush.

Scarce (mostly below 5,000'), central Seven Devils, 5,000-6,800'.

\*Packard 448, ?WS, talus slopes near the "Brundage Trail," just west of the west fork of Sheep Cr., 6,800', 7/28/38.

*Castilleja applegatei* Fern. var. *fragilis* (Zeile) N. Holmgren, the tall variety of Wavy-leaved Paintbrush.

Frequent, central and southern Seven Devils, 6,800-7,800'.

Bingham and Miller 611, ID and WS, in a grass/forb stand on an open, rocky ridgetop at the end of rd. 106 at the Sheep Rock nature trail sign, 6,800', 7/27/83.

Brewer 23, IDF, Iron Springs Camp, sec. 13, T. 22 N., 7,000' (at the spring ca. 0.2 mi north of Holbrook Saddle, the spring actually is about 8,000'), 7/21/28.

\*Christ 8692, ?NY, on rocky ridges near Black Lake, 8/8/37.

Christ 12558, ID, grassy ridges, Heavens Gate, 7/12/41.

C. Johnson 8/10/83, BKR 2490, Plot 7015, above trail 124 ca. 0.1 mi west of the summit of Potato Hill, *Artemisia tridentata*/*Festuca idahoensis* community, 7,730', 8/10/83.

\*Kruckeberg 3187, ?WTU, north-facing, wooded slopes at the end of the road from Riggins (rd. 517 prob. at Windy Saddle), 7/30/52.

\*Ownbey and Meyer 2093, ?WS (as var. *viscida* (Rydb.) Ownbey), rocky slope, Hibbs Cow Camp, 6/26/40.

\*Packard 334, ?WS (as var. *viscida* (Rydb.) Ownbey), dry, barren soil at the foot of He Devil Mt., 8,900' (prob. not over 8,400'), 6/29/37.

?\*Pennell 20804, ?PH, ?NY, open, rocky iryolytic slope, Smith Mt., 7,400-7,700', 7/9/37 (called *C. undulata* by Pennell but identified by N. Holmgren (NY) as *C. applegatei* Fern. var. *pinetorum* (Fern.) N. Holmgren, which Hitchcock, Cronquist and Ownbey (1959) consider to be var. *applegatei*. (But, Hitchcock and others (loc. cit.) declare Idaho specimens to be var. *fragilis*).

Plus 4 Sight Records by C. Johnson.

*Castilleja covilleana* Hend., Rocky Mountain Paintbrush.

Scarce, eastern central Seven Devils, 8,000' ±.

Wellner 1686, ID, north of the lookout on Pollock Mt., 8,050', 8/6/78 (somewhat northwest of the species' main distribution).

*Castilleja cusickii* Greenm., Cusick's Paintbrush.

Frequent, northern and occas. central Seven Devils, 5,100-7,600'.

Baker 12031, ID, open alpine slopes, Seven Devils Camp, 7/21/54.

Bingham 462, ID, grass/forb stand on open, rocky (basalt) ridgetop at Cow Cr. Saddle, 5,250', 5/25/82.

C. Johnson 7/1/83, BKR 2539, Plot 999, 75' northwest of rd. 1819 southwest of Cold Springs Cow Camp, 6,700', 7/1/83.

Tisdale 7/13/78, IDF 78352, and 7/11/79, IDF 81139, 2 mi west of Cold Springs Lookout, 6,800', 7/13/78; and 1½ mi west of Cold Springs Lookout, 6,600', 7/11/79; respectively.

Plus 6 Sight Records by Bingham and Miller and C. Johnson, Dixon Corrals to Cold Springs Lookout site, 5,100-6,900'.

- Castilleja glandulifera* Pennell, Glandular Indian Paintbrush.  
Scarce, northern Seven Devils, 5,000' ±.  
Bingham and Miller 510, ID and WS, *Festuca idahoensis*/  
*Agropyron spicatum* stand on southeast-facing slope just  
north of Big Canyon Saddle, 5,050', 6/11/82.
- Castilleja hispida* Benth. var. *acuta* (Pennell) Ownbey, the variety of  
the Harsh Paintbrush having sharply tipped calyx lobes.  
Common, entire Seven Devils, 5,000-8,000'.  
\*Aldrich 7/4/07, ?ID, Camp Howard, 5,000', 7/4/07.  
Bingham and Miller 121 & Bingham 461, ID and WS, open forest on  
southeast-facing, rocky-gravelly slope on the Cannon-Hanson  
Cr. ridge 1/3 mi north-northeast of the jct. of Hanson Cr.  
and the Old Boise Trail, 7,400', 7/15/80; and open  
sagebrush-forb stand on basalt rock ridgetop immediately  
south of rd. 420 at Cow Cr. Saddle, 5,250', 5/25/82;  
respectively.  
Q. Jones 219, ID, vicinity of Heavens Gate, 7/13/50.  
Packard 281 & 286, WS, timbered bench north of Little Granite  
Cr., 5,000', 6/22/37; and above the head of the north fork  
of Little Granite Cr., 7,400', 6/26/37; respectively.  
\*Pennell 20796, ?PH, open coniferous forest of Smith Mt.,  
5,200-5,400', 7/9/37.  
Plus 32 Sight Records by Bingham and Miller, C. Johnson, and  
Tisdale.
- ?*Castilleja linariaefolia* Benth., Narrow-leaved Paintbrush.  
Brewer 19, Council R.D., Iron Springs Camp, sec. 13, T. 22  
N., R. 2 W., 7,000', 7/23/28 (but well to the north of the  
species' usual southern Montana, southern Idaho, and  
southeastern Oregon distribution).
- Castilleja miniata* Dougl. var. *miniata*, Scarlet Paintbrush.  
Frequent, entire Seven Devils, 5,000-8,400'.  
Baker 11316 & 12019, ID, grassy, open meadow, Kinney Point,  
9/3/53; and open alpine slopes, Seven Devils Camp, 7/21/54;  
respectively.  
Bingham and Miller 584, ID, steep, north-facing roadcut in  
Douglas-fir/ninebark h.t., ca. ¼ mi up rd. 517 from its 2d  
crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.  
Christ 12524, ID, open, grassy east slopes, Heavens Gate,  
7/12/41.  
Davis 2357, WS, dry hillside, Heavens Gate, 6/28/40.  
\*Pennell 20799 & 20799a, ?PH, both collections open coniferous  
forest, south slope of Smith Mt., 5,600-5,900', 7/9/37  
(20799 with red bracts and 20799a with carmine bracts).  
Plus 11 Sight Records by C. Johnson, Cold Springs Lookout site  
to Smith Mt., 5,000-8,400'.
- Castilleja oresbia* Greenm., Pale Wallowa Paintbrush.  
Scarce, southern Seven Devils, 5,200' ±.  
Steele 1427, BOIS, upper Fawn Cr., sec. 4, T. 19 N., R. 2 W.,  
5,200', 7/8/80.
- ?*Castilleja parviflora* Bong. var. undet., common name unknown.  
Baird 6/27/72, Council R.D., 2 mi below Placer Basin, 5,000',  
6/27/72 (but all 5 vars. are Cascade and Olympic Mt.  
plants).
- Castilleja rhexifolia* Rydb., Rhexia-leaved Paintbrush.  
Common, entire Seven Devils, 6,400-8,400'.  
Baker 12091, ID, steep banks below Heavens Gate, 7/21/41.  
Bingham and Miller 21 & 73, ID, and 170, ID and WS, edge of small  
subalpine meadow in moderately open *Abies lasiocarpa*-*Pinus*  
*albicaulis* forest ca. 0.1 mi southwest of Heavens Gate  
Lookout just west of the Snake-Salmon Rivers divide, 8,300',  
7/21/79; west-facing meadow in the valley ca. 2/5 mi  
directly north of He Devil Mt. and 2/5 mi east-southeast of  
Rock Island Lake, 8,250', 7/25/79; and rocky, east-facing  
slope in moderately dense *Abies lasiocarpa*-*Pinus contorta*  
forest along the Old Boise Trail 101 ca. ¼ mi south of the  
Cannon Lake trail, 6,700', 7/18/80; respectively.  
\*Christ 12546 & 12655, ?NY, north face of peak, Heavens Gate,  
7/12/41; and marshy shore of Sheep Cr. Lake No. 3 (Gem  
Lake), 7/16/41; respectively.

- Davis ? , IDF 83078, moist hillside, Smith Mt. Lookout,  
7/3/40.
- Ownbey and Meyer 2092, WS, open *Abies* woods, Hibbs Cow Camp,  
6/26/40.
- Packard 437, WS, moist, shady spot in woods near "The Swamps,"  
Dry Diggins, 7/28/38.
- Pennell 20817, WS, grassy, coniferous forest below Black Lake,  
7,000-7,800', 7/9/37.
- Plus 25 Sight Records by Bingham and Miller, Cold Springs  
Lookout site to Lockwood Saddle, 6,400-8,100'.
- Chionophila tweedyi* (Canby and Rose) Hend., Chionophila.  
Common, central and southern Seven Devils, 7,300-8,400'.
- \*Baker 12035, ?ID, ? open alpine slopes, Seven Devils Camp,  
7/21/54 (Baker's field notes are unclear as to the  
locality of this collection, but the preceding and the  
following collections are from this locality).
- Bingham and Miller 20, ID, mountain heather/sedge meadow in a  
moderately open subalpine forest of *Pinus albicaulis* and  
*Abies lasiocarpa*, ca. 0.1 mi southwest of Heavens Gate  
Lookout, 8,300', 7/21/79.
- Brewer 28, Council R.D., Black Lake, sec. 3, T. 21 N., R. 3  
W., 7,500', 7/21/28.
- Christ 12475, WS, and 12550, ID, Seven Devils Ridge, 7/11/41; and  
in colonies on crest of divide, Heavens Gate, 7/12/41;  
respectively.
- \*Christ 12647, ?NY, soil pockets on ridges between Sheep Cr.  
Lakes No. 3 and 4 (Gem and Sheep Lakes), 7/16/41.
- Kruckeberg 3184, WS, WTU, clearings and swales on north-facing  
wooded slope at end of Seven Devils rd. (rd. 517 prob. at  
Windy Saddle), 7,500', 7/30/52.
- Nelson and Nelson 2993, WS, Horse Heaven, 8/10-15/38.
- Ownbey and Meyer 2095, WS, Heavens Gate, 6/27/40.
- Packard 308 & 467 (latter mislabeled 667), WS, He Devil Mt.,  
9,000' (prob. nearer 8,400'), 6/27/37; and along the  
"Brundage Trail" between the forks of Sheep Cr., 8,000',  
8/28/38.
- St. John and Mullen 8443, WS, summit of Dry Diggins, 8,000',  
7/20/27.
- Plus 9 Sight Records by Bingham and Miller.
- Collinsia parviflora* Lindl., Small-flowered Blue-eyed Mary.  
Common, entire Seven Devils, 5,000-8,100'.
- Aldrich 7/4/07, ID 4853, Camp Howard (prob. the cow camp),  
about 5,000', 7/4/07.
- Bingham and Miller 150, ID and WS, in meadow along the Old Boise  
Trail ca. 0.1 mi northeast of Hanson Cr., 6,800', 7/17/80.
- \*Christ 12529, ?NY, thin soils on open east slopes, Heavens Gate,  
7/12/41.
- \*Pennell 20800, ?PH, open coniferous forest, south slope of Smith  
Mt., 5,600-5,800', 7/9/37.
- Plus 24 Sight Records by Bingham and Miller, C. Johnson,  
Steele, and Tisdale, Big Canyon Saddle to Huntley Gulch,  
5,000-8,100'.
- Cordylanthus capitatus* Nutt., Clustered Birdbeak.  
Occasional, central and southern Seven Devils, 5,000-7,000'.
- Bingham and Miller 431, ID, open, rocky, east-facing slope with  
forbs, ca. 1/3 mi north of the dropoff along Dry Diggins  
Ridge trail 140 at 2½ mi north of the jct. of trails 112,  
57, and 140 at the Iron Phone, 7,040', 8/12/81.
- Davis 2495, WS, 1 mi northwest of Bear (prob. along rd. 002), ?  
elev., 7/2/40.
- St. John and Mullen 8467, WS, gravel ridge, Dry Diggins,  
7,000', 7/20/27.
- Linaria dalmatica* (L.) Mill., Dalmatian Toadflax (Eastern Mediterranean  
Region introduction).  
Scarce, lower southern Seven Devils, 5,000' ±.
- Baird 9/8/71, Council R.D., side of rd. 105, 1 mi above  
Cuprum, 5,000', 9/8/71.
- Mimulus breweri* (Greene) Cov., Brewer's Monkey Flower.  
Scarce, central Seven Devils, 7,600-8,000'.

- Christ 12607, ID, dry cliffs near Seven Devils Lake, 7/13/41.  
Ownbey and Meyer 2076, WS, dry, rocky soil in opening in  
*Pinus-Picea-Abies* forest, headwaters of Sheep Cr.,  
 6/26/40.
- Mimulus guttatus* DC. var. *guttatus*, Yellow Monkey Flower.  
**Frequent**, entire Seven Devils and Rapid River, 5,000-8,000'.  
Baker 12065, ID, wet marshy ground about spring, Seven Devils  
 Guard Station, 7/21/54.  
Bingham and Miller 570, ID and WS, at the uppermost (2d  
 crossing) of rd. 517 over the south fork of Papoose Cr.,  
 roadside creek bottom bordered by open *Abies lasiocarpa*-  
*Picea engelmannii*-*Pinus contorta* forest, 6,400',  
 8/17/82.  
Brewer 117, Council R.D., Jackley Guard Station (apparently  
 near the lookout), sec. 13, T. 22 N., R. 3 W. (actually  
 2 W.), 7,000', 8/17/30.  
 \*Christ 8642 & 8699, ?NY, along rills leading into Black Lake,  
 8/8/37; and at edges of pool in tundra near Pyramid Peak,  
 8/8/37; respectively.  
 Plus 7 Sight Records by Bingham and Miller, Caribou Cr. to  
 Rankin Mill and lower Rapid River, 5,900-8,000'.
- Mimulus lewisii* Pursh, Lewis Monkey Flower.  
**Frequent**, central and southern Seven Devils, 7,200-8,000'.  
Baker 11323 & 12061, moist soil, edge of spring, 6 mi north of  
 Cuprum (prob. along rd. 106), 9/3/53; and wet, marshy  
 ground about spring, Seven Devils Guard Station, 7/21/54;  
 respectively.  
Bingham and Miller 199, ID and WS, small, open, sedge-forb creek  
 bottom immediately below the watering trough at the  
 bottom of the Horse Heaven Lookout pasture ca. 1/3 mi south  
 of the lookout cabin along trail 192, Adams Co., 7,900',  
 8/24/80.  
Brewer 22, Council R.D., Iron Springs, sec. 13, T. 22 N., R.  
 2 W. (presumably a Forest Service camp at the spring ca.  
 0.2 mi north of Holbrook Saddle, and not at the Old Iron  
 Springs mining town in Paradise Cr.), 7,000', 7/21/28.  
 \*Christ 8622, ?NY, springy places on mountainside, Black Lake,  
 8/8/37.  
Hibbs 8/20/37, WS 107728, in small spring near Hibbs Cow Camp,  
 Dry Diggins, 8/20/37.  
 \*Nelson and Nelson 2977, ?RM, Dry Diggins Camp, 8/10-15/38.  
St. John and Mullen 8483, WS, along streambank, Dry Diggins,  
 7,300', 7/20/27.  
 Plus 6 Sight Records by Bingham and Miller.
- Mimulus moschatus* Dougl. var. *moschatus*, Musk-flower.  
**Scarce**, central and southern Seven Devils, 5,200-9,000'.  
 \*Pennell 20797, ?PH, along cold stream and springhead, Smith  
 Mt., 5,200-5,400' (but from the elev., well south toward  
 the jct. of the Black Lake rd. 112 with rd. 105), 7/9/37.  
St. John and Mullen 8539, WS, moist rock chimney on He Devil  
 Mt., 9,000', 7/24/27.
- Mimulus nanus* Hook and Arnott, Dwarf Purple Monkey Flower.  
**Occasional**, northern and central Seven Devils, 5,200-7,800'.  
Bingham and Miller 411, ID, west-facing, rocky slope in an *Abies*  
*lasiocarpa*-*Pinus albicaulis* forest, along trail 112 ca.  
 1/4 mi westward from its summit between the forks of Sheep  
 Cr., 7,800', 8/10/81.  
Packard 463, WS, west slope of the ridge between the forks of  
 Sheep Cr., 7/28/38.  
 Plus 1 Sight Record by Tisdale, vicinity of Low Saddle,  
 5,200', 7/13/78.
- Mimulus tillingii* Regel var. *tillingii*, Mountain Monkey Flower.  
**Scarce**, central and southern Seven Devils, 7,200-7,800' ±.  
Bingham 318, ID, on gravelly silt trapped by an old streamside  
 stump, by the small stream passing through the south end of  
 the campsite along the northwest side of Black Lake, open,  
 7,200', 7/17/81.  
Christ 12707, ID, sliderock on west slopes, Sheep Cr. Trail,  
 7/17/41.

- Orthocarpus tenuifolius* (Pursh) Benth., Thin-leaved Owl-clover.  
Uncommon, northern and central Seven Devils, 5,000-6,900'.  
Bingham 302, ID, open, northeast-facing weedy forb-grass stand  
ca. ¼ mi north along the main ridge from Sawpit Saddle,  
5,050', 7/8/81.  
Davis 2258, WS, dry, open hillside, Grave Point Lookout,  
6/24/40.  
Plus 5 Sight Records by Bingham and Miller, C. Johnson, and  
Tisdale, including sightings at Cold Springs Lookout, Cow  
Cr. Saddle, Cold Springs Cow Camp, and near the Old Timer  
Mine along trail 110, 5,250-6,900'.
- Pedicularis bracteosa* Benth. var. *siifolia* (Rydb.) Cronq., the cream-  
coraled, glabrous-flowered variety of Bracted Lousewort.  
Frequent, entire Seven Devils, 5,000-7,600'.  
Bingham and Miller 135, ID and WS, open, northeast-facing sedge  
meadow in an open *Picea engelmannii*, *Abies lasiocarpa*, *Pinus*  
*albicaulis* stand, on the south side of the bottom of Dog Cr.  
ca. ½ mi below the lake, 7,600', 7/16/80.  
Christ 12625, ID, along the trail (prob. 124) from Hibbs Cow  
Camp to Baldy Lake, 7/15/41.  
Packard 438, WS, shaded woods near "The Swamps," Dry Diggins,  
7/28/38.  
\*Pennell 20818, ?PH, grassy, coniferous forest below Black  
Lake, 7,000-7,800' (lake elev. is 7,200'), 7/9/37.  
Plus 15 Sight Records by Bingham and Miller, Big Canyon Saddle  
to Towsley Spring, 5,000-7,600'.
- Pedicularis bracteosa* Benth. var. *undata*, Bracted Lousewort.  
\*Christ 12726, ?NY, timberland surrounding Sheep Cr. Swamp,  
7/17/41.  
C. Johnson Sight Record, Plot 7073, west of the Old Boise Trail  
101 ca. 1 mi south of rd. 1819 at the trailhead southeast of  
Cold Springs Lookout, 6,600', 9/1/83.
- Pedicularis contorta* Benth. var. *contorta*, Coiled-beak Lousewort.  
Common, entire Seven Devils, 6,200-8,200'.  
Baker 11310 & 12016, ID, moist, shaded slope, Sheep Rock,  
9/3/53; and open alpine slopes, Seven Devils Camp, 7/21/54;  
respectively.  
Bingham and Miller 21, ID, west-facing, edges of *Luzula*  
*hitchcockii* meadow in *Abies lasiocarpa*, *Pinus albicaulis*  
open stand ca. 0.1 mi south-southwest of Heavens Gate  
Lookout, 8,300', 7/21/79.  
\*Christ 8675 & 12501, ?NY, talus slopes near Black Lake,  
8/8/37; and under cover in conifer grove, Seven Devils Camp,  
7/12/41; respectively.  
Davis 2392, WS, dry hill under pine, Heavens Gate, 6/28/40.  
C. Johnson 8/12/83, BKR 2567, Plot 7025, above trail 56  
and ca. ¼ mi south-southwest of Three Cr. Point, *Pinus*  
*albicaulis*-*Abies lasiocarpa*/*Vaccinium scoparium* community,  
7,900', 8/12/83.  
Q. Jones 220, ID and WS, edges of mountain meadow, Heavens Gate,  
6/13/50.  
Packard 342, WS, moist streambank near the head of the north fork  
of Little Granite Cr., vicinity of Hibbs Cow Camp, Dry  
Diggins, 6/29/37.  
\*Pennell 20803 & 20807, ?PH, open, coniferous forest, south slope  
of Smith Mt., 7,200-7,700', 7/9/37; and clefts in  
ryolitic rock, Smith Mt., 7,500-7,700', 7/9/37;  
respectively.  
St. John and Mullen 8471, WS, grassy ridge, Dry Diggins,  
7/20/27.  
Plus 27 Sight Records by Bingham and Miller, C. Johnson, and  
Tisdale, including vicinity of Cold Springs Lookout.
- Pedicularis groenlandica* Retz., Elephant's Head.  
Scarce, central Seven Devils, 7,000' ±.  
C. Johnson Sight Record, Plot 7021, east of trail 124 ca. 1 mi  
south of Hibbs Cow Camp, 7,050', 8/11/83.
- Pedicularis racemosa* Dougl. var. *alba* (Pennell) Cronq., the white-  
flowered variety of the Leafy Lousewort.

- Common, entire Seven Devils and Rapid River, 5,300-7,700'.
- Baker 12097, ID, shady woods 11 mi west of Riggins (along rd. 517 on McClinery Ridge), 7/21/54.
- \*Christ 8648 & 12683, ?NY, under cover in *Abies lasiocarpa* groves, Black Lake, 8/8/37; and with Douglas-fir along the Sheep Cr. trail, 7/17/41; respectively.
- Hibbs 8/17/37, WS 107146, rocky, shallow soil near "The Swamps," on the trail to the 1st Sheep Cr. Lake (prob. trail 123 and Basin Lake), 8/17/37.
- LaZelle 15, ID, in shade at the west end of Seven Devils Lake, 7,500', 8/28/63.
- \*Nelson and Nelson 3017, ?RM, Rapid River trail, 8/10-15/38.
- \*Pennell 20813, ?PH, Black Lake, 7,200-7,700', 7/9/37.
- Plus 21 Sight Records by Bingham and Miller, C. Johnson, and Steele, including vicinity of Cold Springs Lookout.
- Penstemon attenuatus* Dougl. var. *attenuatus*, Taper-leaf Penstemon.
- Occasional, central and southern Seven Devils, 6,800-7,800'.
- \*Christ 12515, ?NY, open, grassy mountainside 1 mi east of Seven Devils Camp, 7/12/41.
- \*Pennell 20801 & 20806, ?PH, open, coniferous forest, south slope of Smith Mt., 6,800-7,000', 7/9/37; and clefts of rhyolitic rock, Smith Mt., 7,500-7,700', 7/9/37; respectively.
- Penstemon attenuatus* Dougl. var. *militaris* (Greene) Cronq., the large-flowered variety of the Taper-leaf Penstemon.
- Uncommon, entire Seven Devils, 5,100-7,600'.
- Bingham and Miller 447, ID, on rocky loam in open, south-southeast-facing boulderfield at edge of open *Abies lasiocarpa*, *Picea engelmannii*, *Pinus albicaulis* forest along the Horse Heaven Lake manway ca. 1/8 mi below the lake, 7,500', 8/18/81.
- \*Christ 8673 & 8702, ?NY, rocky prominence, Black Lake, 8/8/37; and exposed rocky ridges near Black Lake, 8/8/37; respectively.
- C. Johnson 8/30/83, BKR 2591, Plot 7064, a fire succession community east of trail 217 in Horse Pasture Basin, ca. 1/4 mi southeast of Joes Gap, 7,620', 8/30/83.
- C. Johnson Sight Record, Plot 781, table lands ca. 1/4 mi south-southeast of Dixon Corrals, 5,150', 6/25/82.
- Penstemon attenuatus* Dougl. var. *palustris* (Pennell) Cronq., the small-flowered variety of the Taper-leaf Penstemon.
- Scarce, central Seven Devils, 7,400' ±.
- C. Johnson Sight Record, Plot 7009, above the Old Boise Trail 101 ca. 1/4 mi southeast of Haas Lake, 7,350', 8/9/83.
- Penstemon deustus* Dougl. var. *deustus*, Hot-rock, White-flowered Penstemon.
- Uncommon, central and southern Seven Devils and Rapid River, 5,000-7,000'.
- Bingham and Miller 486, ID and WS, in metamorphic rock crevices on a south-facing slope in the *Agropyron spicatum/Celtis reticulata* h.t., ca. 1.1 mi up the lower Rapid River trail 113 from the trailhead gate at the southwest end of the Circle C State Fish Hatchery, 2,350', 6/8/82.
- Packard 283, WS, Willow Hill, between the forks of Little Granite Cr., 6/24/37.
- \*Pennell 20794, ?PH, open coniferous forest of Smith Mt., 5,100-5,200', 7/9/37.
- Plus 3 Sight Records by Bingham and Miller, along trail 112 above the west fork of Sheep Cr. and McCrea Place and main forks of Rapid River, 2,700-7,000'.
- \*\**Penstemon elegantulus* Pennell, Lovely Penstemon.
- Rare, northern Seven Devils, 5,100-5,550' (recommended for Federal Threatened status by Steele and others, 1981).
- C. Johnson 6/25/82 & 6/29/82, BKR 2327 and ID 77384, Plot 791, on the table lands ca. 1/4 mi south-southeast of Dixon Corrals, *Festuca idahoensis-Koeleria cristata* community, 5,105', 6/25/82; and Plot 793, ca. 200' southwest of Grave Point, 6/29/82.

- Penstemon fruticosus* (Pursh) Greene var. *serratus* (Keck) Cronq., the serrate-leaved variety of the Shrubby Penstemon.  
**Common**, entire Seven Devils and west fork Rapid River, 6,200-8,400'.  
Baker 12003 & 12080, ID, open alpine slopes, Seven Devils Camp, 7/21/54; and rock cliffs on a point above Seven Devils Guard Station, 7/21/54; respectively.  
Bingham and Miller 56, ID, crevices in southeast-facing bedrock cliffs, open, just on the Mirror Lake side of the Bridge-Sheep Crs. divide at Goat Pass, 8,400', 7/24/79.  
 \*Christ 8685 & 12522, ?NY, rocky spurs of higher ridges, Black Lake, 8/8/37; and rock outcrops on east slopes, Heavens Gate, 7/12/41; respectively.  
Christ 12474, WS, Seven Devils Ridge, 7/11/41.  
Henderson 3855, ID, Little Granite-Three Crs. divide ca. ¼ mi west of Hibbs Cow Camp, 6/6/77.  
Nelson and Nelson 2964, RM, WS, Dry Diggins Camp, 8/10-15/38.  
Ownbey and Meyer 2068, WS, headwaters of Sheep Cr., 6/26/40.  
Packard 300, WS, cleft in basalt boulders near where the Brundage Trail crosses near the 1st Sheep Cr. Lake (Basin Lake), 8,300', 6/26/37.  
 \*Pennell 20805, ?PH, clefts of rhyolitic rock, Smith Mt., 7,500-7,700', 7/9/37.  
Pennell 20819, PH, grassy, coniferous forest below Black Lake, 7,000-7,300', 7/9/37.  
 Plus 24 Sight Records by Bingham and Miller, including Crater Lake and the upper west fork of the Rapid River.
- Penstemon gairdneri* Hook. var. *oreganus* Gray, the opposite-leaved variety of Gairdner's Penstemon.  
**Scarce**, southern Seven Devils, 5,000' ±.  
 \*Christ 11061, ?NY, on basaltic scablands near Cuprum, 5/30/40.  
Lewis 2268, BOIS, OGDF, near Steele Stand 72-Pa-24, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, sec. 21, T. 20 N., R. 3 W., 5,790', 6/12/82.  
Steele 897, BOIS, Cuprum-Fruitvale rd. 127, sec. 11, T. 19 N., R. 2 W., 5,750', 6/27/74.
- Penstemon glandulosus* Dougl. var. *glandulosus*, Glandular Penstemon.  
**Occasional**, entire Seven Devils, 6,600-8,200'.  
C. Johnson Sight Records: Plot 7064, east of trail 217 at the west end of Horse Pasture Basin ca. ¼ mi southeast of Joes Gap, 7,620', 8/30/83; Plot 7073, west of the Old Boise Trail in the aspen grove ca. 1 mi south of the trail 101 trailhead southeast of Cold Springs Lookout, 6,600', 9/1/83; and Plot 7075, south of the lookout trail ca. 0.1 mi southwest of Heavens Gate Lookout, 8,170', 9/2/83.
- Penstemon globosus* (Piper) Pennell and Keck, Globe Penstemon.  
**Abundant**, entire Seven Devils and west fork Rapid River, 5,000-8,000'.  
Baker 12009, ID, open alpine slopes, Seven Devils Camp, 7/21/54.  
Bingham and Miller 111 & 152, ID and WS, in open forest on a rocky, south-facing slope just northeast of Windy Saddle, 7,600', 7/14/80; and on gentle, southeast-facing slope in forest opening in *Pinus contorta*, *Abies lasiocarpa* forest, along the Old Boise Trail 101 just northeast of Hanson Cr., 6,800', 7/17/80; respectively.  
 \*Christ 8649, 12496, & 12697, ?NY, grassy slope on Pyramid Peak, 8/8/37; very abundant on open, grassy slopes, Seven Devils Camp, 7/12/41; and open mountainside in sliderock along Sheep Cr. trail, 7/17/41; respectively.  
Davis 2390, IDF and WS, Heavens Gate, 6/28/40.  
 \*Hermann 12033 & 12050, ?NA, ?US, vicinity of Cold Springs Lookout, 6,900', 8/6/55; and vicinity of Heavens Gate Lookout, 8,400', 8/6/55; respectively.  
Holmgren and Tillett 9597, WS, sagebrush slope, Kinney Point, 7/14/53.  
Q. Jones 210, WS, vicinity of Heavens Gate Lookout, 7/12/50.  
Kruckeberg 3188, WS, WTU, open, meadowy hillside above the Seven Devils Forest Station (Guard Station), 2 mi below Windy Saddle, 7,000', 7/30/52.



- \*Nelson and Nelson 2992, ?RM, Horse Heaven, 8/10-15/38.  
Ownbey and Meyer 2099, WS, open meadows, Heavens Gate, 6/27/40.  
Packard 313, WS, near Hibbs Cow Camp, 7,500-8,000', 6/28/37.  
 \*Pennell 20795, ?PH, open, coniferous forest on Smith Mt. (south of the mountain along rd. 112), 5,200-5,400', 7/9/37.  
St. John and Mullen 8489, WS, gravel ridge, Dry Diggins, 7,000', 7/20/27.  
Tisdale 7/14/78, IDF 78357, vicinity of Cold Springs Cow Camp, 6,400', 7/14/78.  
 Plus 45 Sight Records by Bingham and Miller, C. Johnson, and Tisdale.
- Penstemon montanus* Greene var. *idahoensis* (Keck) Cronq., the entire-leaved variety of Mountain Penstemon.  
Scarce, central Seven Devils, 7,500-8,200' ±.  
 \*Kruckeberg 3193, ?WTU, on talus and in crevices above Sheep Cr. Lake No. 2 (Shelf Lake), 7,500', 7/31/52.  
 \*Nelson and Nelson 2989, ?RM, Horse Heaven, 8/10-15/38.
- Penstemon payettensis* Nels. and Macbr., Payette Penstemon.  
Occasional, central and southern Seven Devils, 7,200-7,700'.  
Baird 6/27/72, Council R.D., 2 mi below Placer Basin Mine, 5,000', 6/27/72.  
Bingham and Miller 614, ID and WS, open, south-facing rocky hillside with an open sagebrush-grass-forb stand, ca. ½ mi northwestward along trail 217 from its Black Lake rd. 112 trailhead north of High Dive, 7,200', 7/28/83.  
 \*Nelson and Nelson 2698, ?RM, Dry Diggins Camp, 8/10-15/38.  
Ownbey and Meyer 2082, WS, head of Little Granite Cr. near Hibbs Cow Camp, 6/26/40.  
 \*Pennell 20810, ?PH, granitic soil, steep slopes, Smith Mt., 7,500-7,700', 7/9/37.
- Penstemon rydbergii* A. Nels., Rydberg's Penstemon.  
Uncommon, central and southern Seven Devils, 6,800-7,300'.  
Brewer 9, Council R.D., Granite Cr. (? the Granite Fk. of the Lake Fork of the Rapid River), White Cabin, sec. 11, T. 22 (?21) N., R. 2 W., 5,000', 6/26/28.  
 \*Nelson and Nelson 2979, ?RM, Dry Diggins Camp, 8/10-15/38.  
 \*Pennell 20802 & 20811, ?PH, open, coniferous forest, south slope of Smith Mt., 6,800-7,000', 7/9/37; and moist slopes, Black Lake, 7,200-7,700', 7/9/37; respectively.  
 Plus 2 Sight Records by C. Johnson, above the Old Boise Trail just south of Dog Cr., and northeast shore of Haas Lake, 6,950-7,240'.
- Penstemon triphyllus* Dougl., Whorled Penstemon.  
Occasional, southern Seven Devils and Rapid River, 5,100' ±.  
Bingham and Miller Sight Records: along the lower Rapid River trail 113 ca. 1/2 mi above the trailhead gate at the southwest end of the Circle C State Fish Hatchery, 2,400', 6/8/82; and along the west fork Rapid River trail 113 ca. 0.1 mi above the main forks in sec. 26, 2,700', 6/9/82.  
Steele Sight Records, Stand 72-Pa-26, along the Bear-Cuprum rd. 002 at the Bear-Indian Crs. divide, 5,100', 6/12/72.
- Penstemon venustus* Dougl., Blue Mountain Penstemon.  
Common, entire Seven Devils, 5,000-8,400' (so beautiful it is hard not to collect it more than once, see below).  
Baker 11987 & 12041, ID, along Papoose Cr. 4 mi west of Riggins (along rd. 517, ? elev., 7/21/54) and open alpine slopes, Seven Devils Camp, 7/21/54; respectively.  
Bingham and Miller 68, ID, and 203, 256, & 548, ID and WS, crevices in an open basalt outcropping immediately behind Seven Devils Guard Station, 7,200', 7/24/79; moderately dry, open, rocky, south-facing slope with a grass-sedge-forb stand, along the Old Boise Trail ca. ½ mi east of Horse Heaven Saddle, 7,200', 8/24/80; crevices in loose rock and bedrock slope on a southwest-facing slope with a forb-sedge stand, along trail 124 between the north fork of Devils Farm Cr. and Potato Hill ca. 1½ mi north of Horse Heaven Saddle,

- 7,600', 8/28/80; and rocky ridgetop with an open grass-forb-sedge stand, ca. 150', northeast of Grave Point Lookout, 5,630', 7/21/82; respectively.
- \*Christ 8616, ?NY, rocky mountainside, Smith Mt. rd., 8/8/37.
- Christ 12632, ID, rockslides on trail to Baldy Lake (either trail 124 or the Baldy Lake trail), 7/15/41.
- Davis 2231, IDF, and 2538, WS, dry, rocky ridge, Grave Point Lookout, 6/24/40; and moist open woods, Black Lake, 7/3/40; respectively.
- LaZelle 10, ID, roadside  $\frac{1}{4}$  mi east of Seven Devils Camp, 8/29/63.
- \*Nelson and Nelson 2970, ?RM, and 2980 & 2981, ?RM and WS, Dry Diggins Camp; Dry Diggins Ranger Station; and Dry Diggins Ranger Station; respectively; all 8/10-15/38.
- Packard 348, 449, & 470, WS, hillside above Silvers Ranger Station (now Adm. Site, in Shingle Cr.), ? elev., 6/30/37; talus slopes near the Brundage Trail just west of where it crosses the head of Sheep Cr. (prob. the west fork), 6,800', 7/28/38; and rocky slope beside the trail (prob. 101), McClinery Ridge below Heavens Gate Lookout, ? elev., 7/25/38; respectively.
- \*Pennell 20792, ?PH, basaltic soil below Frenchy (? Mailbox) Saddle, 5,100-5,200', 7/9/37.
- St. John and Mullen 8440 & 8592, WS, head of Bernard Cr. (near McGaffee Cow Camp), 5,600', 7/19/27; and dry ledges on Dry Diggins, 7,500', 7/25/27; respectively.
- Tisdale 7/13/78, IDF 83080, vicinity of Low Saddle, 5,200', 7/13/78.
- Wellner 1701, ID, hillside northwest of Baldy Lake, 7,300', 8/22/78.
- Plus 14 Sight Records by Bingham and Miller and C. Johnson.
- Penstemon wilcoxii* Rydb., Wilcox' Penstemon.
- Common, entire Seven Devils and Rapid River, 5,000-7,600'.
- Baker 12002, ID, moist, grassy bank, wooded slope 9 mi west of Riggins (prob. along rd. 517 on McClinery Ridge), 7/21/54.
- Bingham and Miller 194, ID, and 376 & 495, ID and WS, east-facing, rocky slope in an open *Pseudotsuga menziesii* forest, along the Old Boise Trail 101 ca.  $\frac{1}{2}$ - $\frac{3}{4}$  mi north of Hanson Cr., 6,800', 7/18/80; southeast-facing, rocky slope with an open *Pseudotsuga menziesii* forest, along the Old Boise Trail 101 ca.  $\frac{1}{4}$  mi northeast of the Seven Devils Lake fork of Bridge Cr., 6,700', 7/27/81; and north-facing, half-open, moderately moist, rocky slope in a riparian forest with *Pseudotsuga*, *Abies grandis*, *Acer glabrum*, and *Betula occidentalis*, along the lower Rapid River trail 113 ca.  $\frac{1}{2}$  mi above the mouth of Blue Gulch, 2,680', 6/8/82; respectively.
- \*Christ 12526, ?NY, rock outcrops on east slopes, Heavens Gate, 7/12/41.
- \*Nelson and Nelson 2980a, RM, Dry Diggins Ranger Station, 8/10-15/38.
- Packard 461, WS, rocky, moist west slope of ridge between the forks of Sheep Cr., 7,500', 7/28/38.
- Plus 14 Sight Records by Bingham and Miller, and Steele, including west fork Rapid River.
- Penstemon wilcoxii* Rydb. X either *P. attenuatus* Dougl. or *P. humilus* Nutt. (Lowly Penstemon). A possible natural hybrid.
- C. Johnson Sight Record, Plot 999, ca. 75' northwest of rd. 1819 ca.  $\frac{1}{3}$  mi southwest of Cold Springs Cow Camp, 6,700', 7/1/83.
- Scrophularia lanceolata* Pursh, Lance-leaved Figwort.
- Uncommon, central Seven Devils, 6,800-8,500'.
- Bingham and Miller 253, ID and WS, northwest-facing, open, rocky slope with an open forb-grass stand, along trail 124 ca. 1 mi north of Horse Heaven Saddle at the bottom of the switchbacks in the head of the south fork of Devils Farm Cr., 7,800', 8/28/80.

- Davis 2337, WS, sliderock on hillside of Sheep Cr. (prob. along trail 112), 6/26/40.
- Henderson 3847, ID, along trail 112 near the bottom of the long, west-facing, talus traverse up out of the west fork of Sheep Cr. ca. 1/3 mi north of the Devil's Tooth, 6,800', 7/7/77.
- Ownbey and Meyer 2073, WS, sliderock, headwaters of Sheep Cr. (prob. along trail 112), 6/26/40.
- St. John and Mullen 8562, WS, rockslide on He Devil Mt., 8,500', 7/24/27.
- Plus 3 Sight Records by Bingham and Miller, vicinity of Quad Lake, shores of Horse Heaven Lake, and vicinity of the jct. of trail 112 with the Sheep Lake fork of the west fork of Sheep Cr., 6,800-7,600'.
- Syntheris missourica* (Raf.) Pennell, Mountain Kitten-tails.  
Frequent, entire Seven Devils, 5,000-8,100'.  
Baker 11340, ID, moist banks 6 mi north of Cuprum (prob. along rd. 106), 9/3/53.  
Bingham 325, ID and WS, and 470, ID, south-facing, half-shaded, rocky slope in a moderately dense *Abies lasiocarpa*-*Picea engelmannii* forest, ca. 0.1 mi up trail 214 from the Black Lake trailhead off rd. 112, 7,250', 7/17/81; and gentle, west-facing, 3/4-open, cutover forest with a deep, black, loam soil, ca. 0.1 mi northward along rd. 420 from Kirkwood Corrals, 5,050', 5/25/82; respectively.  
 ?Brewer 11, Council R.D., Iron Springs Ranger Station (at the spring 0.2 mi north of Holbrook Saddle), sec. 12, T. 22 N., R. 2 W., 8,000', 6/24/28 (as *S. laciniata* (Gray) Rydb., a Utah species).  
 \*Christ 11060, ?NY, under Douglas-firs and subalpine firs near receding snowline, Placer Basin, 5/30/40.  
Lewis 1289, OGDf, open area near pass north of Horse Mt., 5,000', 6/16/67.  
Packard 586, WS, north slope under open pine woods, Stormy Point, 5,900', 5/13/39.  
Pennell 20808, WS, clefts in rhyolitic rock, Smith Mt., 7,500-7,700', 7/9/37.  
 \*Pennell 20816, ?PH, crevices on rhyolite, Black Lake, 7,200-7,700', 7/9/37.  
Wellner 1688, ID, north of the lookout on the summit of Pollock Mt., 8,050', 8/6/78.  
 Plus 4 Sight Records by Bingham and Miller, C. Johnson, and Steele.
- Tonella floribunda* Gray, Large-flowered Tonella.  
Uncommon (mostly at lower elevs.), northern and southern Seven Devils and Rapid River, 5,000-5,600'.  
Aldrich 7/05/07, ID 5113, Camp Howard (prob. the cow camp), 7/05/07.  
Bingham and Miller Sight Records: along lower Rapid River trail 113 just below Blue Gulch, 2,550', 6/8/82; and along the same trail just above the main Rapid River forks in sec. 26, 2,700', 6/8/82.  
 \*Christ 11065, ?NY, on mountainsides in Snake River Gorge west of Cuprum, 5/30/40.  
Cusick 2227, WS, mountain near Cuprum, 7/10/1899.  
Davis 2250, WS, moderately dry hillside, Grave Point Lookout, 6/24/40.  
Holmgren and Tillett 10592, WS, in yellow pine forest 2 mi north of Cuprum, 6/22/54.
- Verbascum blatteria* L., Moth Mullein.  
Scarce, lower Rapid River only, 2,300' ±.  
Bingham and Miller Sight Record, along the lower Rapid River trail 113 ca. 1/4 mi above the Circle C State Fish Hatchery trailhead gate, 2,300', 6/8/82.
- Verbascum thapsus* L., Common or Flannel Mullein.  
Uncommon (mostly at lower elevs.), northern and central Seven Devils and Rapid River, 5,000-6,900'.  
Bingham and Miller 587, ID and WS, open roadbed of rd. 517 ca. 1/4

- mi above its 2d crossing of Papoose Cr. in sec. 26, 4,600', 8/17/82.
- Bingham and Miller Sight Record: jct. of rds. 2060 and 1819 east of Low Saddle, 5,900', 7/10/81; McGaffee Cow Camp, 5,700', 8/12/81; along the lower Rapid River trail 113 ca. 0.1 mi above the Circle C State Fish Hatchery trailhead gate, 2,250', 6/8/82; along trail 113 ca. 1/3 mi southwest of Rankin Mill, 8/16/81; along rd. 2060 ca. 1/2 mi east of Sawpit Saddle, 5,000', 7/8/81; along trail 101 ca. 1/2 mi northeast of Dog Cr., and along rd. 672 ca. 1/2 mi northeast of Cow Cr. Saddle, 5,300', 6/10/82.
- C. Johnson Sight Record, Plot 990, above rd. 1819 in the head of Caribou Cr., 6,350', 6/28/83.
- Veronica americana* Schwein., American Veronica.  
Uncommon, entire Seven Devils, 5,000-7,500'.
- Bingham and Miller 251, ID and WS, flat, boggy streambottom in an *Abies lasiocarpa* forest, along the eastern creek from Ruth Lake and the Ruth Lake trail in a small bog ca. 0.1 mi northeast of Ruth Lake, 7,200', 8/27/80.
- Bingham and Miller Sight Records: along rd. 1819 in upper Caribou Cr., 6,200', 7/10/81; in Horse Heaven Cr. ca. 1/2 mi northwest of the Old Boise Trail, 7,300', 8/18/81; along the Sheep Lakes trail 123 in boggy areas just south of trail 112, 7,300', 8/13/81; along rd. 517 ca. 1/2 mi above its 2d crossing of Papoose Cr. in sec. 26, 4,900', 8/17/82; at Rankin Mill, 6,000', 8/16/81; at Hibbs Cow Camp, 7,450', 8/11/81; and along trail 124 in the south fork of the north fork of Little Granite Cr. ca. 1/2 mi south of Hibbs Cow Camp, 7,200', 8/10/81.
- \*Pennell 20798, ?PH, along cold stream and springhead, Smith Mt., 5,200-5,400', 7/9/37.
- Veronica anagalli-aquatica* L., Water Speedwell (European introduction).  
Scarce, southern Seven Devils, 7,200' ±.  
 \*Christ 8636, ?NY, shore of Black Lake, 8/8/37.
- Veronica cusickii* Gray, Cusick's Speedwell.  
Scarce, central Seven Devils, 8,400' ±.  
St. John and Mullen 8579, WS, creek bank on He Devil Mt., 8,600' (but there is no creek on the west side of He Devil, from which St. John and Mullen approached the mountain, at much over 8,400'), 7/24/27.
- Veronica serpyllifolia* L. var. *humifusa* (Dickson) Vahl., the dark-blue flowered variety of the Thyme-leaved Veronica.  
Frequent, entire Seven Devils, 5,700-8,000'.  
Bingham and Miller 35, 291, & 319, ID, in the open bog at the north end of the pond in the northeast corner of Sheep Lake, at the foot of the Goat Pass manway, 7,880', 7/22/79; open, southwest-facing, moderately moist rocky hillside along the Old Boise Trail ca. 7/8 mi south of the rd. 1819 trailhead southeast of Cold Springs Lookout, 6,740', 7/9/81; and along the northwest shore of Black Lake, 7,200', 8/17/81; respectively.  
St. John and Mullen 8449, WS, streambank, Dry Diggins, 7,300', 7/20/27.  
 Plus 9 Sight Records by Bingham and Miller, McGaffee Cow Camp south to Towsley Spring, 5,750-8,000'.
- Veronica serpyllifolia* L. var. *serpyllifolia*, Thyme-leaved Veronica.  
Scarce, central Seven Devils, 7,200' ±.  
Christ 12635, ID and WS, marshy shores of Baldy Lake, 7/15/41 (this collection is intermediate with var. *humifusa*, fide RTB).
- Veronica wormskjoldii* Roem. and Schult., American Alpine Speedwell.  
Scarce, central Seven Devils, 7,300-7,500' ±.  
 \*Christ 12614, ?NY, grassy banks along creek, Sheep Cr. Lake No. 2 (Shelf Lake), 7/14/41.  
Packard 427, WS, very moist high mountain meadow, "The Swamps" near Dry Diggins, 7,400' (actually 7,300'), 7/23/38; Lookout, *Festuca idahoensis*-*Agropyron spicatum* community, 5,550', 6/29/82; respectively.

## Selaginaceae

*Selaginella wallacei* Heiron., Wallace's Selaginella.

Scarce, central Seven Devils, 7,600' ±.

Baker 12276, ID, open, gravelly slopes west of Seven Devils Camp, 7/31/54.

## Sparganiaceae

*Sparganium angustifolium* Michx., Narrow-leaved Burweed.

Occasional, central Seven Devils, 7,200-7,500'.

Wellner and Bingham 1697, ID, along trail 129 in the shallow pond between Echo and He Devil Lakes, 7,500', 8/22/78.

Bingham and Miller Sight Records, in Baldy Lake, 7,200',

8/15/81; in Echo Lake, 7,200', 8/14/81; and in Lily Pad Lake, 7,300', 8/11/81.

## Sphagnaceae

*Sphagnum* sp., Sphagnum Moss.

Uncommon, central Seven Devils, 6,000-7,300'.

8 Bingham and Miller Sight Records: shores of Bernard Lakes, 7,200', 8/11/81; 1½ mi north of the jct. of trails 140, 112, 57 at the Iron Phone, 7,300', 8/12/81; shores of Echo Lake, 7,200', 8/14/81; Rankin Mill, 6,000', 8/16/81; along trail 189 west of Ruth Cr., 6,800', 8/17/81; shores of Basin Lake, 7,300', 8/13/81; along trail 112 just east of the Sheep Lake fork of Sheep Cr., 6,700', 8/10/81; and along trail 124 just north of the Baldy Lake trail, 6,900', 8/15/81.

## Taxaceae

*Taxus brevifolia* Nutt., Western Yew.

Occasional (mostly at lower elevs.), northern Seven Devils and Rapid River, 5,000-5,300'.

Bingham and Miller Sight Records: along the lower Rapid River trail 113 ca. ½ mi above Blue Gulch, 2,400', 6/8/82; and along the west fork Rapid River trail 113 near Cottonwood Cr., 3,500', 6/8/82.

C. Johnson Sight Record, Plot 790, above rd. 2060 just east of Kirkwood Cr., 5,300', 6/29/82.

## Ulmaceae

*Celtis reticulata* Torr., Hackberry.

Scarce, lower Rapid River only, 2,200-2,400'.

Bingham and Miller Sight Record, *Celtis reticulata*/Agropyron *spicatum* h.t., open weedy grassland ca. ¼ mi up the lower Rapid River trail 113 from the trailhead gate at the Circle C State Fish Hatchery, 2,300', 6/8/82.

## Urticaceae

*Urtica dioica* L. var. *californica* (Greene) Hitchc., the wide-leaved and hairy-stemmed variety of Stinging Nettle.

Frequent, entire Seven Devils and Rapid River, 5,000-7,600'.

Bingham and Miller 563, ID and WS, north-facing, half-open road-bank along rd. 517 ca. ¼ mi above its 2d crossing of Papoose Cr., 4,600', 8/17/82.

Bingham and Miller Sight Records: along trail 101 ca. ¾ mi south of rd. 1819, 6,800', 7/9/81; along rd. 1819 ca. ¼ mi north of Caribou Cr., 6,200'; along trail 110 just east of McGaffee Cow Camp, 5,800', 8/12/81; along trail 58 ca. 1½ mi north of trail 112, 5,800', 8/18/82; along rd. 106 ca. 2 mi north of Lockwood Saddle, 7,000', 6/27/83; along rd. 105 at old Landore, 5,350', 6/30/82; along the lower Rapid River trail 113 just above the Circle C State Fish Hatchery trailhead gate, 2,200', 6/8/82; along trail 192

at Deb's Corral at the jct. of trails 192 and 189, 7,200', 8/16/81; along rd. 2060 ca. ¼ mi east of Sawpit Saddle, 5,000', 7/8/81; along trail 101 ca. ¼ mi east of Horse Heaven Saddle, 7,600', 8/19/81; along trail 124 in the south fork of Little Granite Cr., 6,700', 8/11/81; and along the west fork Rapid River trail 113 ca. 1¼ mi west of the main river forks in sec. 26, 3,300', 6/8/82.  
C. Johnson Sight Record, Plot 791, above rd. 2060 ca. ¼ mi west of Lost Valley Cr., 5,100', 6/29/82.

## Valerianaceae

*Valeriana sitchensis* Bong., Sitka Valerian.

Abundant, entire Seven Devils, 5,000-8,000'.

Aldrich 7/04/07, ID 5317, Camp Howard (prob. the cow camp), 7/04/07.

Baker 12032, ID, open alpine slopes, Seven Devils Camp, 7/21/54.

Bingham and Miller 108, ID and WS, east-facing, open creek bottom in a scattered *Pinus contorta* stand, in the northmost fork of Bridge Cr. ca. 0.1 mi north of Seven Devils Guard Station, 7,300', 7/14/80.

Brewer 25, Council R.D., head of Rapid River, sec. 20, T. 21 N., R. 1 W., 5,500', 7/28.

\*Christ 8653, ?NY, in timber on lower slopes near Black Lake, 8/8/37.

Christ 12495, ID and WS, open coniferous timber, Seven Devils Camp, 7/12/41.

Q. Jones 206, ID and WS, near spring under *Pinus albicaulis*, Heavens Gate, 8/12/50.

Packard 335, WS, moist meadow near Hibbs Cow Camp, 8,000', 6/29/37.

Plus 54 Sight Records by Bingham and Miller, C. Johnson, Steele, and Tisdale.

## Violaceae

*Viola adunca* Smith var. *adunca*, Early Blue Violet.

Frequent, entire Seven Devils, 5,000-7,600'.

Aldrich 7/04/07, ID 3472, Camp Howard (prob. the cow camp), 5,000', 7/04/07.

Moore 94, WS, ridge southeast of McGaffee Cow Camp, 8,600' (prob. nearer 6,000'), 5/16/36.

Packard 293 & 322, WS, moist woods near the left (prob. north) fork of Little Granite Cr., 6,800', 6/26/37; and moist mountain meadow, "The Swamps" near Lily Pad Lake, 6/28/37; respectively.

Plus 9 Sight Records by Bingham and Miller and C. Johnson, Cannon Cr. to Lockwood Saddle, 6,600-7,600'.

*Viola adunca* Smith var. *bellidifolia* (Greene) Harr., the caulescent- and glabrous-leaved variety of the Early Blue Violet.

Frequent, entire Seven Devils, 6,000-7,900'.

Bingham and Miller 30, ID, moderately moist banks of the pond at the northeast end of Sheep Lake at the foot and west of the Goat Pass manway, under an open *Abies lasiocarpa*-*Pinus albicaulis* stand, 7,880', 7/22/79.

Christ 12450, ID, crevices in moist cliffs above Seven Devils Lake, 7/11/41.

\*Christ 12648 & 12712, ?NY, soil pockets on ridge between Sheep Cr. Lakes No. 3 and No. 4 (Gem and Sheep Lakes), 7/16/41; and hummocks in marsh about Lily Pad Lake, 7/17/41; respectively.

St. John and Mullen 8508, WS, grassy flat, Dry Diggins, 8,000', 7/21/27.

Plus 11 Sight Records by Bingham and Miller, Crater Lake south to Joes Gap, 6,000-7,800'.

*Viola adunca* Smith var. *undet.*, Early Blue Violet.

Bingham and Miller Sight Records: along rd. 517 just north of the north fork of Shingle Cr., 6,700', 8/17/82; and along the

- west fork Rapid River trail 113 just below Cottonwood Cr., 3,500', 6/8/82.
- Steele Sight Records: Stand 74-38, along rd. 517 below the south fork of Papoose Cr., 5,800', 8/8/74; and two stands (81-P1-01A and 01B), along rd. 105 ca. 6 mi north of Cuprum, 5,550', 6/24/81.
- Viola canadensis* L. var. *rugulosa* (Greene) Hitchc., Western Canadian Violet.
- Occasional (mostly at lower elevs.), northern Seven Devils and Rapid River, 5,000' minus.
- Bingham and Miller 490, ID and WS, northwest-facing, 3/4-shaded, mossy talus slope along the lower Rapid River trail 113 ca. ¼ mi above Blue Gulch, 2,450', 6/8/82.
- Bingham and Miller Sight Records: along the stock-drive part of trail 104 ca. ¼ mi east of Big Canyon Saddle, 4,600', 6/11/82; and along the west fork Rapid River trail 113 ca. 1 mi west of the main Rapid River forks in sec. 26, 3,200', 6/8/82.
- Viola macloskeyi* Lloyd var. *macloskeyi*, Small White Violet.
- Uncommon, central and southern Seven Devils, 7,000-7,800'.
- Bingham and Miller 115, ID, open, level, silty-peaty bog in the small pond just north-northeast of Lower Hanson Lake and between the Lower and Upper Lakes, 7,750', 7/15/80.
- \*Christ 12612, ?NY, moist banks of Sheep Cr. Lake No. 2 (Shelf Lake), 7/14/41.
- Henderson and Bingham 3864, ID, east shore of Baldy Lake, 7,200', 7/6/77.
- Plus 6 Sight Records by Bingham and Miller, southeast shore of Baldy Lake, 7,200', 8/15/81; shores of Bernard Lakes, 7,200', 8/11/81; shores of Echo Lake, 7,200', 8/14/81; vernal pond east of the Old Boise Trail 101 just southwest of Horse Heaven Cr., 7,000', 7/19/81; along trail 123 just north of Basin Lake, 7,300', 8/13/81; and outlet of the largest Six Lakes Basin lake, 7,800', 7/18/81.
- ?*Viola nephrophylla* Greene, Northern Bog Violet.
- Scarce, central Seven Devils and Rapid River, ?6,800' minus.
- Bingham and Miller 166, ID and WS, in very rocky loam at the foot of a small outcrop, on a gentle, southeast-facing, 1/5-shaded slope with a sedge-forb meadow at the edge of a *Pinus contorta*, *Abies lasiocarpa*, *Picea engelmannii* stand in the bottom of Hanson Cr. ca. 0.1 mi east of the Old Boise Trail 101, 6,800', 7/17/80 (collection identity should be rechecked by an expert, since *V. nephrophylla* normally is a wet-soil and lower elev. species).
- Bingham and Miller Sight Record, along the lower Rapid River trail 113 just below the main river forks in sec. 26, 2,600', 6/8/82.
- Viola nuttallii* Pursh var. *major* Hook., Nuttall Violet.
- Occasional, lower northern and southern Seven Devils, 5,100-6,700'.
- Bingham 467, ID and WS, and Bingham and Miller 515, ID, west-facing, half-open, cutover hillside in a *Pinus ponderosa*-*Pseudotsuga menziesii* forest in the Douglas-fir/ninebark h.t., ca. 0.2 mi southward along rd. 420 from Kirkwood Corrals, 5,120', 5/25/82; and northeast-facing, open, rocky hillside in a sedge-forb stand along rd. 108 along the Snake River - Indian Cr. divide ca. ¼ mi south of Lockwood Saddle, 5/30/82; respectively.
- Bingham and Miller Sight Record, along rd. 672 ca. ½ mi north of Cow Cr. Saddle, 5,300', 6/10/82.
- Packard 580, WS, under scattered pine in the draw above the north fork (prob. Clark's Fk.) of Sheep Cr., near Stormy Point, 5/13/39.
- Viola orbiculata* Geyer, Dark Woods Yellow Violet.
- Abundant, entire Seven Devils and Rapid River, 5,100-7,400'.
- Baker 16795, ID, 9 mi west of Riggins (5,100-7,400', prob. on McClinery Ridge along rd. 517), 5/24/65.

Bingham and Miller 136, ID and WS, gently southeast-sloping flat almost completely shaded under a dense *Abies lasiocarpa*-*Picea engelmannii* forest just south of Dog Cr. ca. ¼ mi west of the Old Boise Trail 101, 7,000', 7/16/80.

\*Christ 12588, ?NY, on cliffs in cirque below Seven Devils Lake, 7/13/41.

Packard 339, WS, head of the left (prob. north) fork of Little Granite Cr. near Hibbs Cow Camp, 6/29/37.

St. John and Mullen 8532, WS, edge of woods, Dry Diggins, 8,000', 7/22/27.

Plus 37 Sight Records by Bingham and Miller, C. Johnson, and Steele, along rd. 2060 near Kirkwood Cr. south to Lockwood Saddle, 5,200-7,400', and west fork Rapid River.

*Viola palustris* L., Marsh Violet.

Scarce, central Seven Devils, 6,800-?8,500'.

Packard 341, WS, moist streambank near the head of the left (prob. north) fork of Little Granite Cr., vicinity of Hibbs Cow Camp, Dry Diggins, 6/29/37.

St. John and Mullen 8577, WS, boggy shore of Little Granite Cr. Lake (prob. one of the upper lakes in the Echo Lake chain), 8,500', 7/24/27.

*Viola purpurea* Kell. var. *venosa* (Wats.) Brain., the inland variety of the Purplish Yellow Violet.

Frequent, central and southern Seven Devils, 5,000-8,500'.

Bingham and Miller 55, ID, southwest-facing, half-shaded, rocky slope in an open *Pinus albicaulis* forest ca. ¼ mi northeast up the Goat Pass manway from the pond at the northeast end of Sheep Lake, 8,100', 7/24/79.

\*Christ 12454, ?NY, talus slopes Seven Devils Lake, 7/11/41.

Moore 72, WS, rocky hillside along Bernard Cr. trail 110, 3 mi from Snake River, 5,000', 5/16/36.

Ownbey and Meyer 2087, WS, gravelly, exposed ridge, Hibbs Cow Camp, 6/26/40.

Packard 326, WS, rocky slope east of Lily Pad Lake, 6/28/37.

Peters and Moore 154, WS, conifer forest near McGaffee Cow Camp, head Bernard Cr., 5,000', 5/16/36.

St. John and Mullen 8460 & 8555, WS, gravel ridge, Dry Diggins, 7,000', 7/20/27; and rockslides on He Devil Mt., 8,500', 7/24/27; respectively.

Plus 9 Sight Records by Bingham and Miller and C. Johnson, Papoose Lake south to Lockwood Saddle, 6,500-8,000'.



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Bingham, Richard T. Plants of the Seven Devils Mountains of Idaho—an annotated checklist. General Technical Report INT-219. Ogden, UT: U.S. Department of Agriculture, Forest Service, Intermountain Research Station; 1987. 146 p.

The Seven Devils Mountains of west-central Idaho rise to almost 9,400 ft elevation, but occupy a very narrow strip of mostly Hells Canyon Wilderness lands lying between the Snake and Salmon River drainages. Plant taxa are checklisted for these mountains. Collections representing 722 taxa are annotated as to collector's names and accession numbers, herbaria where deposited, and locality, elevation, and habitat of the collection site. Data came from 2,700 collections found in seven herbaria, or from field collection notes of 13 different plant collectors.

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**KEYWORDS:** plant checklist, plant distribution, botanical history, Seven Devils Mountains (Idaho)

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## INTERMOUNTAIN RESEARCH STATION

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