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Guide to the Donald B. Zobel Collection of Historic Forestry and Vegetation Maps, 1914-1989

Title

Donald B. Zobel Collection of Historic Forestry and Vegetation Maps (MSS ZobelMaps)

Dates

1914-1989 (inclusive)
1950-1980 (bulk)

Creator

Zobel, Donald B.

Summary

The Donald B. Zobel Collection of Historic Forestry and Vegetations Maps consist of maps assembled and created by Zobel for his research in forest ecology and for teaching; the bulk of the maps depict forests in Oregon and northern California. Zobel was a faculty member in the Oregon State University Department of Botany and Plant Pathology from 1968 until 2003.

Quantity

1.5 cubic feet, including 151 maps (2 boxes, including 1 oversize box, and 6 map folders)

Restrictions on Access

Collection is open for research.

Oregon State University Libraries, University Archives
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Corvallis, OR 97331-4501
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Finding aid prepared by Elizabeth Nielsen, 2009.

Biographical Note

Donald B. Zobel was a faculty member in the Oregon State University Department of Botany and Plant Pathology from 1968 until his retirement in 2003. Zobel's research area was forest ecology; he worked on projects concerning the water relations of trees in the Himalayas and in North America and the recovery of plants buried by volcanic debris at Mount St. Helens.

William W. Chilcote was Professor of Botany at Oregon State University from 1950 to 1981.

Arrangement

The Zobel Collection of Historic Forestry and Vegetation Maps is arranged in five series: I. McDonald Forest, 1989; II. H.J. Andrews Experimental Forest, 1959-1969; III. Oregon Forest Maps, 1914-1980; IV. California Soil Vegetation Survey, 1950-1970; and V. Other Maps, circa 1915-1980.

Content Description

The Donald B. Zobel Collection of Historic Forestry and Vegetation Maps consists of maps assembled, annotated, or created by Zobel for his research and teaching in forest ecology and botany. Some of the maps were assembled by William W. Chilcote, his students, and other Botany Department faculty. Most of the maps are of Oregon, including McDonald Forest and the H.J. Andrews Experimental Forest, and northern California. However, the collection includes maps of forest types in midwestern states, a vegetation map of North America, and map of initial damage from the May 1980 eruption of Mt. St. Helens, Washington.

The primary topics addressed by the maps are forest types, forest and vegetation cover, timber stands, soils and erosion. These include maps of a cutbank stability reconnaissance survey in the Siskiyou National Forest in the 1960s, the California soil vegetation survey in the 1950s and 1960s, and research on the H.J. Andrews Experimental Forest by Jerry Franklin and Ted Dyrness in the 1960s. The collection also includes general purpose forest, recreation, and topographic maps. Of particular note are a map of the road system on the Warm Springs Indian Reservation (1962); a topographic map of the Three Sisters, Oregon, prepared by Edwin T. Hodge (1925); and a 1914 map of the state of Oregon published by the Oregon State Board of Forestry. A map of the vegetation of North America prepared by John W. Harshberger in the 1910s is also included.

The collection includes maps prepared by the Oregon State University College of Forestry and OSU Research Forests; the U.S. Forest Service; the Oregon Department of Forestry; the U.S. Department of Interior, Bureau of Land Management, and U.S. Geological Survey; and the California Division of Forestry.

Preferred Citation

Donald B. Zobel Collection of Historic Forestry and Vegetation Maps, Oregon State University Archives, Corvallis, Oregon.

Acquisition Information

The maps were donated to the OSU Libraries in 2008.

Related Material

The OSU Archives' holdings include many other collections documenting forestry in Oregon and the northwest. Other collections with significant components of maps are the [Gerald W. Williams Collection](#); [Spotted Owl Management, Policy, and Research Collection](#); and the [Environmental Remote Sensing Applications Laboratory Records \(RG 218\)](#). Substantive materials pertaining to McDonald Forest are part of the [College of Forestry Records \(RG 139\)](#). Zobel's work with the Oregon Flora Project is documented in the [Donald B. Zobel Papers](#).

Subjects

This collection is indexed under the following headings in the OSU Libraries Catalog. Researchers desiring materials about related topics, persons, or places should search the catalog (<http://oasis.oregonstate.edu>) using these headings.

Organizations**Topics**

Forest mapping--Oregon.
Forest reserves--Oregon--Maps.
Forests and forestry--Oregon--Maps.
Soil surveys--California--Humboldt County.
Vegetation mapping--California--Del Norte County.
Vegetation mapping--California--Humboldt County.

Geographical Names

H.J. Andrews Experimental Forest (Or.)--Maps.
McDonald Forest (Or.)--Maps.
Oregon--Maps.
Saint Helens, Mount (Wash.)--Maps.
Siskiyou National Forest (Or. and Calif.)--Maps.
Three Sisters (Or.)--Maps.
Warm Springs Indian Reservation (Or.)--Maps.

Forms of Materials in the Collection

Maps.

Other Creators

California. Division of Forestry.
Chilcote, William W.
Dyrness, C. T.
Franklin, Jerry F
Geological Survey (U.S.)
Harshberger, John W. (John William), 1869-1929.
Hodge, Edwin T. (Edwin Thomas), b. 1887.
OSU Research Forests.
Oregon State University. College of Forestry.
Oregon. Dept. of Forestry.
United States. Bureau of Land Management.
United States. Dept. of the Interior.
United States. Forest Service.

Series Outline

Series I. McDonald Forest, 1989

Series II. H.J. Andrews Experimental Forest, 1959-1969

Series III. Oregon Forest Maps, 1914-1980

Series IV. California Soil Vegetation Survey, 1950-1970

Series V. Other Maps, circa 1915-1980

Detailed Description of the Collection

Folder

2 **Series I. McDonald Forest, 1989 (2 sheets)**

Series I consists of an annotated map showing eco plots in the Soap Creek Tract of McDonald Forest; many of the plots include hemlock. An index map of the College of Forestry Research Forests is also included.

Folder

Series II. H.J. Andrews Experimental Forest, 1959-1969 (9 sheets)

Series II consists of maps compiled and assembled for research on timber stands and watersheds in the H.J. Andrews Experimental Forest in the central Oregon Cascades.

- 4 Locations of *Abies grandis*, circa 1969 [Locations of recon plots by Jerry Franklin and Ted Dyrness in late 1960s annotated by Zobel with locations of *Abies grandis* as part of his research on *Abies grandis* - *A. concolor* populations in the central Oregon Cascades that was published in the mid-1970s.]
- 4 Watershed studies, 1959-1969 (7 sheets) [Maps at various scales including 1 cm = 1 m. Maps of the Hi-15 watersheds (watersheds 6, 7, and 8) and watershed 2 showing timber stand conditions. Also includes map showing vegetation sampling plots by Jerry Franklin and Ted Dyrness.]
- 5 Watershed (WS) 10 Map [Stem map of one of the most intensively studied sites in the Andrews Forest. Mapping of trees, downed logs, and stumps was done by Glenn Hawk and others.]

Box**Series III. Oregon Forest Maps, 1914-1980 (69 sheets)**

Series III consists of forest type and forest cover maps of portions of Benton and Polk Counties; maps from a cutbank stability reconnaissance survey in the Siskiyou National Forest; maps of fire protection districts in western Oregon; and other maps of Oregon forests. Of particular note are a 1914 Oregon map published by the Oregon State Board of Forestry and a 1921 map of national forests in Oregon and northern California.

- 1 Siskiyou National Forest Cutbank Stability Reconnaissance Survey, 1963-1965 (18 sheets) [Map scale 1:62,500. Also includes report by Richard J. Alvis, Soil Scientist with Division of Watershed Management, that outlines objectives, procedures, and limitations of study; cutbank stability classes; and erosion potential classes.]
- 1 Forest Type Maps for Alsea-Rickreall, Columbia River, and Siuslaw River Master Units, circa 1957-1961 (33 sheets) [Scales of 1 inch = 1000 feet and 2 inches = 1 mile. Base maps prepared by U.S. Department of Interior Bureau of Land Management. Maps are hand-colored and annotated.]
- 1 Recreation Map of the Cascade National Forest, Oregon, 1921
- 1 West Oregon Protection District, 1968 (2 sheets) [Prepared by Oregon State Forestry Department.]
- 1 Western Lane Forest Protection District, 1969 [Prepared by Oregon State Forestry Department.]
- 2 William L. Finley National Wildlife Refuge Vegetation, circa 1980
- fldr 1 Waldport Ranger District, Siuslaw National Forest, Oregon, Fireman Map, 1968 [Prepared by U.S. Forest Service.]
- fldr 2 Coos Forest Protection District, 1950 [Scale 0.5 inch = 1 mile. Prepared by Coos Forest Protective District Headquarters, Coos Bay, Oregon.]
- fldr 2 Polk, Benton, Lincoln Counties State Forest Land Ownership, 1967 [Scale 0.5 inch = 1 mile. Prepared by Oregon State Forestry Department; original edition 1960, updated 1967.]
- fldr 2 Sweet Home Ranger District, Willamette National Forest, Oregon, Firemans Map, 1976
- fldr 2 National Forests District 6, 1921 [Scale 1 inch = 12 miles. Includes Oregon and northern California. Prepared by U.S. Forest Service.]
- fldr 3 Forest Type Map Alsea-Rickreall and Columbia River Master Unit T7S R7W, 1958 [Scale 1 inch = 1000 feet. Prepared by U.S. Department of Interior Bureau of Land Management.]
- fldr 3 Forest Cover Map Benton County T14S R6W, 1968 [Scale 1:12,000. Prepared by Oregon State Tax Commission.]
- fldr 3 Forest Cover Map Polk County, undated (5 sheets) [Sheets for following townships and ranges: T6S R7W; T7S R6W; T7S R7W; T8S R6W; and T9S R7W.]
- fldr 6 Map of the State of Oregon, 1914 [Published by the Oregon State Board of Forestry; compiled by Theodore Rowland under direction of F.A. Elliott, State Forester. Item is very brittle and fragile.]

Box**Series IV. California Soil Vegetation Survey, 1950-1970 (54 sheets)**

Series IV consists Soil Vegetation Maps, Timber Stand Vegetation Cover Maps, and legends and supplementary information created as part of the California Soil Vegetation Survey during the 1950s and 1960s. The soil vegetation maps are of Humboldt County; the timber stand vegetation cover maps depict areas of both Humboldt and Del Norte Counties. All maps are at a scale of 1:31,680. The California Cooperative Soil-Vegetation Survey documented the types of upland soils and the natural cover of trees, shrubs, grasses, and other vegetation. It was a joint project of the California Division of Forestry, the University of California, and the U.S. Forest Service Pacific Southwest Forest and Range Experiment Station.

- 1 Soil Vegetation Maps, 1960-1962 (21 sheets)
- 1 Timber Stand Vegetation Cover Maps, 1950-1962 (32 sheets)
- 2 Legends and Supplementary Information, 1955-1970 (2 folders)

Box**Series V. Other Maps, circa 1915-1980 (17 sheets)**

Series V consists of non-forest maps of Oregon as well as forest and vegetations maps of areas other than Oregon. These include forest type maps for midwestern states prepared by the North Central Forest Experiment Station of the U.S. Forest Service. Of special note are a 1962 road map for the Warm Springs Indian Reservation and a 1925 topographic map of the Three Sisters, Oregon.

- 1 Topographic Map of the Three Sisters, Oregon, 1925 [By Edwin T. Hodge, University of Oregon.]
- fldr 1 Map of Detroit, Sisters, Bend Area, 1954 [Scale 0.5 inch = 1 mile. By H. Hayes.]
- fldr 1 Map of Bend, Crescent Area, 1955 [Scale 0.5 inch = 1 mile. By H. Hayes.]
- fldr 1 Indian Service Road System within the Warm Springs Indian Reservation, Warm Springs, Oregon, 1962 [Prepared by U.S. Department of Interior.]
- Major Forest Types for Midwestern States, 1965-1986 [Scale 1:1,000,000,000. Prepared by North Central Forest Experiment Station of the U.S. Forest Service.]
- 1 1965-1985 (7 sheets) [Includes maps for Illinois, Iowa, Kansas, Missouri, Nebraska, North Dakota, and South Dakota.]
- fldr 1 1977-1986 (4 sheets) [Includes maps for Indiana, Michigan, Minnesota, and Wisconsin.]
- fldr 2 Initial Damage Map for Mt. St. Helens, 1980 [Scale 1:100,000. Prepared from aerial photos taken June 19, 1980 by U.S. Geological Survey.]
- fldr 6 Vegetation of North America, circa 1910s [Classroom map prepared by John W. Harshberger and published by Rand McNally.]