

# Donald B. Zobel Collection of Historic Forestry and Vegetation Maps, 1914-1989

## Overview of the Collection

<b>Creator</b>	Zobel, Donald B.
<b>Title</b>	Donald B. Zobel Collection of Historic Forestry and Vegetation Maps
<b>Dates</b>	1914-1989 (inclusive) 1914 1989 1950-1980 (bulk) 1950 1980
<b>Quantity</b>	1.5 cubic feet, including 151 maps, (2 boxes, including 1 oversize box, and 6 map folders)
<b>Collection Number</b>	MSS ZobelMaps
<b>Summary</b>	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.
<b>Repository</b>	<a href="#">Oregon State University Libraries, Special Collections and Archives Research Center</a> Special Collections and Archives Research Center 121 The Valley Library Oregon State University Corvallis OR 97331-4501 Telephone: 541-737-2075 Fax: 541-737-8674 <a href="mailto:scarc@oregonstate.edu">scarc@oregonstate.edu</a>
<b>Access Restrictions</b>	Collection is open for research.
<b>Languages</b>	English

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## 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.

## 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 maps 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.

## Use of the Collection

### Preferred Citation

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

## Administrative Information

### 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.

### Acquisition Information

The maps were donated to the OSU Libraries in 2008.

### Related Materials

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](#).

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## Detailed Description of the Collection

### Series I: McDonald Forest, 1989

Folder2

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.

### 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.

Container(s)	Description	Dates
Folder		
4	Locations of <i>Abies grandis</i> Locations of recon plots by Jerry Franklin and Ted Dyrness in late 1960s annotated by Zobel with locations of <i>Abies grandis</i> as part of his research on <i>Abies grandis</i> - <i>A. concolor</i> populations in the central Oregon Cascades that was published in the mid-1970s.	circa 1969
4	Watershed studies 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.	1959-1969
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.	

### 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

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<http://archiveswest.orbiscascade.org/ark:/80444/xv75070>

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.

Container(s)	Description	Dates
<b>Box</b>		
1	Siskiyou National Forest Cutbank Stability Reconnaissance Survey 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.	1963-1965
1	Forest Type Maps for Alsea-Rickreall, Columbia River, and Siuslaw River Master Units 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.	circa 1957-1961
1	Recreation Map of the Cascade National Forest, Oregon	1921
1	West Oregon Protection District 2 sheets Prepared by Oregon State Forestry Department.	1968
1	Western Lane Forest Protection District Prepared by Oregon State Forestry Department.	1969
2	William L. Finley National Wildlife Refuge Vegetation	circa 1980
<b>Folder</b>		
fldr 1	Waldport Ranger District, Siuslaw National Forest, Oregon, Fireman Map Prepared by U.S. Forest Service.	1968
fldr 2	Coos Forest Protection District Scale 0.5 inch = 1 mile. Prepared by Coos Forest Protective District Headquarters, Coos Bay, Oregon.	1950
fldr 2	Polk, Benton, Lincoln Counties State Forest Land Ownership Scale 0.5 inch = 1 mile. Prepared by Oregon State Forestry Department; original edition 1960, updated 1967.	1967

Container(s)	Description	Dates
fldr 2	Sweet Home Ranger District, Willamette National Forest, Oregon, Firemans Map	1976
fldr 2	National Forests District 6 Scale 1 inch = 12 miles. Includes Oregon and northern California. Prepared by U.S. Forest Service.	1921
fldr 3	Forest Type Map Alsea-Rickreall and Columbia River Master Unit T7S R7W Scale 1 inch = 1000 feet. Prepared by U.S. Department of Interior Bureau of Land Management.	1958
fldr 3	Forest Cover Map Benton County T14S R6W Scale 1:12,000. Prepared by Oregon State Tax Commission.	1968
fldr 3	Forest Cover Map Polk County 5 sheets Sheets for following townships and ranges: T6S R7W; T7S R6W; T7S R7W; T8S R6W; and T9S R7W.	undated
fldr 6	Map of the State of Oregon 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.	1914

## 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.

Container(s)	Description	Dates
Box		
1	Soil Vegetation Maps 21 sheets	1960-1962
1	Timber Stand Vegetation Cover Maps	1950-1962

Container(s)	Description	Dates
	32 sheets	
2	Legends and Supplementary Information 2 folders	1955-1970

## 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.

Container(s)	Description	Dates
<b>Box</b>		
1	Topographic Map of the Three Sisters, Oregon By Edwin T. Hodge, University of Oregon.	1925
<b>Folder</b>		
fldr 1	Map of Detroit, Sisters, Bend Area Scale 0.5 inch = 1 mile. By H. Hayes.	1954
fldr 1	Map of Bend, Crescent Area Scale 0.5 inch = 1 mile. By H. Hayes.	1955
fldr 1	Indian Service Road System within the Warm Springs Indian Reservation, Warm Springs, Oregon Prepared by U.S. Department of Interior.	1962
	<b>Major Forest Types for Midwestern States</b> Scale 1:1,000,000,000. Prepared by North Central Forest Experiment Station of the U.S. Forest Service.	<b>1965-1986</b>
<b>Box</b>		
1	7 sheets Includes maps for Illinois, Iowa, Kansas, Missouri, Nebraska, North Dakota, and South Dakota.	1965-1985

<b>Folder</b>		
fldr 1	4 sheets	1977-1986

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Container(s)	Description	Dates
	Includes maps for Indiana, Michigan, Minnesota, and Wisconsin.	
<b>Folder</b>		
fldr 2	Initial Damage Map for Mt. St. Helens Scale 1:100,000. Prepared from aerial photos taken June 19, 1980 by U.S. Geological Survey.	1980
fldr 6	Vegetation of North America Classroom map prepared by John W. Harshberger and published by Rand McNally.	circa 1910s

## Names and Subjects

### Subject Terms :

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.

### Form or Genre Terms :

Maps.

### Other Creators :

#### Personal Names :

Chilcote, William W.  
 (creator)  
 Dyrness, C. T.  
 (creator)  
 Franklin, Jerry F  
 (creator)  
 Harshberger, John W. (John William), 1869-1929.  
 (creator)  
 Hodge, Edwin T. (Edwin Thomas), b. 1887.  
 (creator)

#### Corporate Names :

California. Division of Forestry.

(creator)  
Geological Survey (U.S.)  
(creator)  
Oregon State University. College of Forestry.  
(creator)  
Oregon. Dept. of Forestry.  
(creator)  
OSU Research Forests.  
(creator)  
United States. Bureau of Land Management.  
(creator)  
United States. Dept. of the Interior.  
(creator)  
United States. Forest Service.  
(creator)

Finding aid prepared by Elizabeth Nielsen.  
2009



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