Lake County, Oregon

RESOURCE ATLAS

- NATURAL
- HUMAN
- ECONOMIC
- PUBLIC

OCTOBER 1973

EXTENSION *Community Development* PROJECT

OREGON STATE UNIVERSITY

Lake County, Oregon

RESOURCE ATLAS

NATURAL

HUMAN

ECONOMIC

PUBLIC

September 1973

Oregon State University Extension Service

Prepared by Gary Valde, Research Assistant,
Under the supervision of: Robert O. Coppedge,
Extension Economist, and Russell C. Youmans,
Extension Resource Economist,
Department of Agricultural Economics

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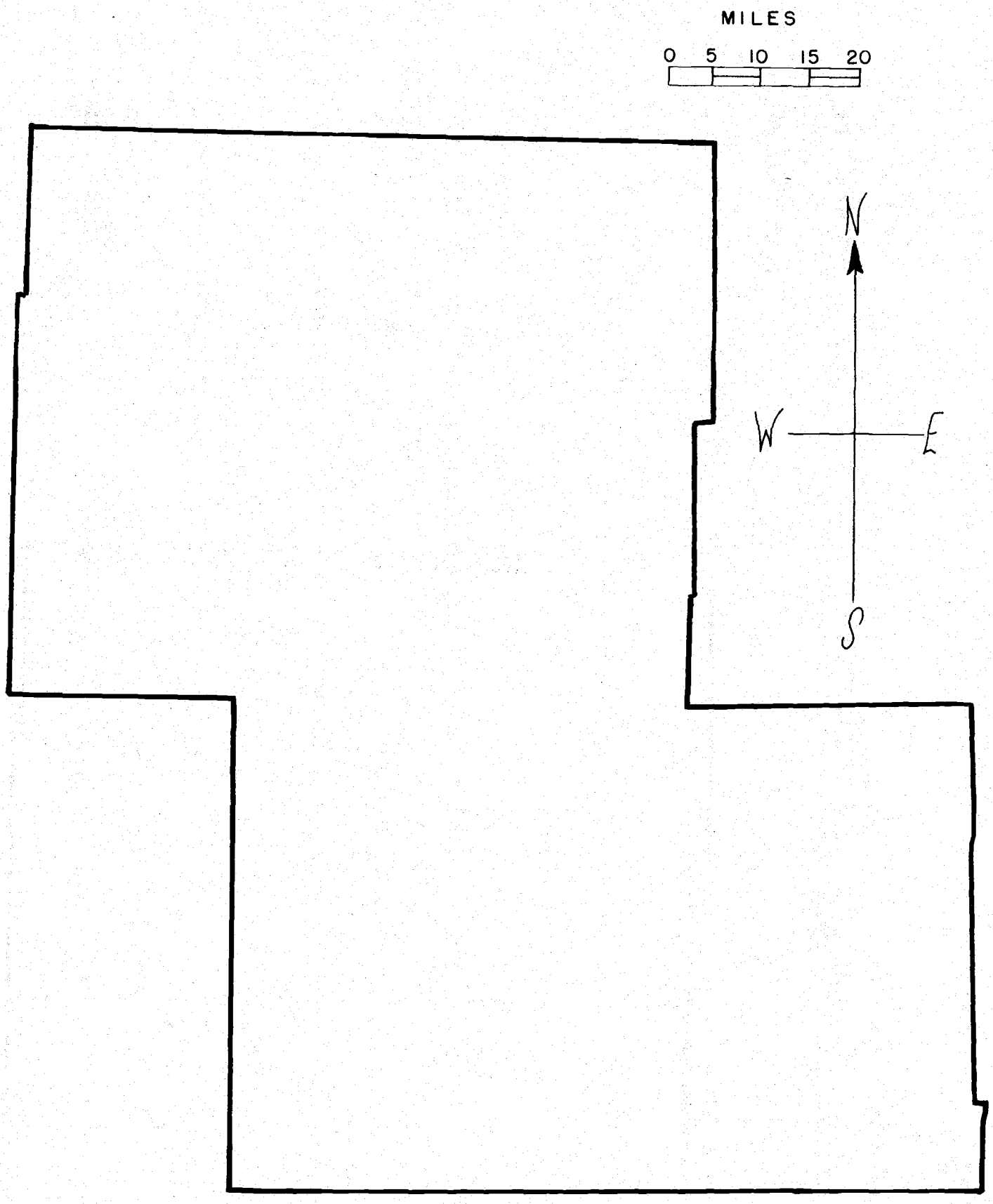

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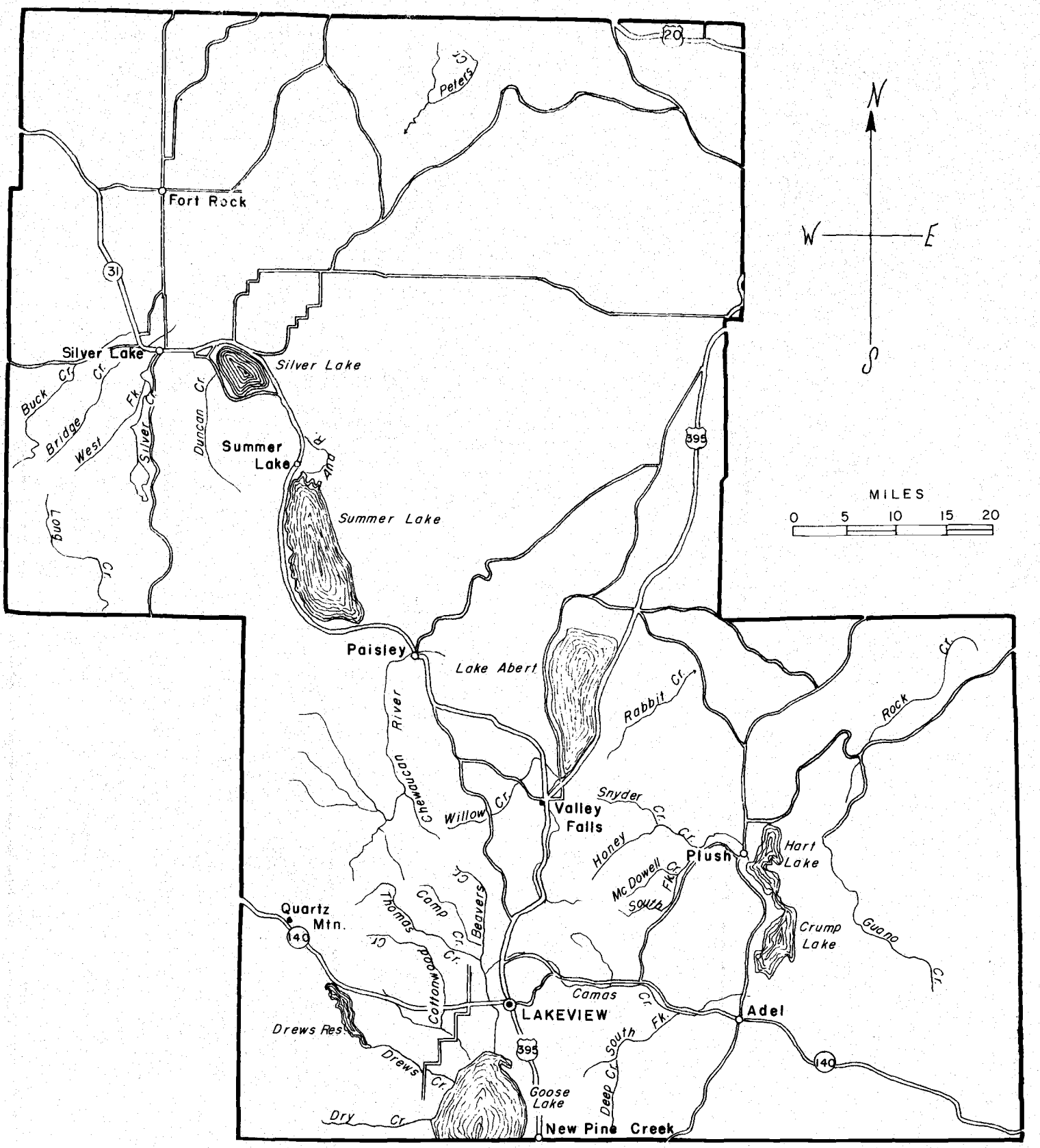

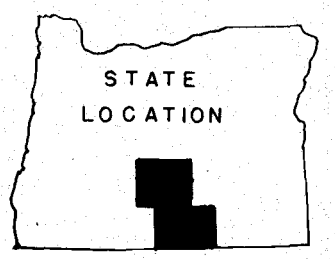

LEGEND

- PRIMARY HIGHWAYS
- SECONDARY HIGHWAYS
- COUNTY ROADS
- INTERSTATE HIGHWAYS

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GENERAL DESCRIPTION 1/

Lake County is located in the south-central portion of the state on the California and Nevada borders. It is the third largest county in the state, covering over 8,300 square miles or more area than each of several eastern states. Klamath County borders Lake County on the west, Harney County is on its eastern border, and Deschutes County is to the north.

The county seat, Lakeview, is 335 miles from Portland, 373 miles from Pendleton, 134 miles from Burns, 261 miles from Eugene, and 96 miles from Klamath Falls.

The county ranked 31st in the state in population for 1972 with 6,740 people. Agriculture, particularly livestock raising, is a major part of the county's economy. Lumbering, mining, and recreation are also important.

The county's climate is typical of inland plateau regions. Rainfall varies from 8 inches in low-lying areas to over 20 inches in mountainous areas. Daytime temperatures vary between 80°F. and 95°F. in summer and 25°F. and 45°F. in winter. Subzero temperatures are occasionally recorded at Lakeview.

Nearly 75 percent of the land area is publicly owned. Much of the land is used for grazing livestock.

The county was established in 1874 when it was formed from part of Jackson County.

A brief summary of the major facts for the county are noted below. 2/

Area: 8,340 square miles
5,337,600 acres

Population: 6,740
(July 1, 1972)

Elevation at Lakeview: 4,800 feet

True Cash Value: $106,513,971
(1972)

Average Temperature:
Summer - 63.1
Winter - 31.2

Principal Industries:
Lumbering, Livestock Raising, Mining, Recreation

County Seat: Lakeview

1/ Coppedge, Robert O., Agriculture in Oregon Counties - Farm Sales and General Characteristics, Special Report 330, Oregon State University Extension Service, Corvallis, Oregon, 1971.

2/ Oregon State Executive Department, Clay Myers, Secretary of State, Oregon Blue Book, 1973-74, January 1973.

PHYSICAL ASPECTS

Elevations in Lake County range from 4,300 feet to 7,000 feet on forested plateaus. A few peaks are over 8,000 feet. Crane Mountain, the highest point, is 8,446 feet high.

Most of the area is grass-shrub rangeland. About 15 percent is forested and about 5 percent is used for cropland or hay production.

Four physiographic areas can be identified in the area. These are: valley lands, including lake basins and alluvial bottomlands, older terraces, pediments and fans; grass-shrub covered lava plateaus and plains; pumice-mantled high lava plains; and forested mountainous uplands.

Climate

The climate of Lake County is cool and semi-arid to sub-humid, and characterized by cold winters, warm summers, and a short frost-free growing season.

Annual precipitation averages 8 to 10 inches in lower basins, 12 to 16 inches in the more moist valleys, and 16 to 25 inches in the forested uplands. Frost may occur in any month, and growing seasons average around 100 days. Snowfall ranges from about 20 inches annually in the valley to over 70 inches in the mountains.

Table 1. Selected Weather Stations and Their Elevations, Lake County

Station	Elevation in Feet
Fremont.....	4,512
Lakeview.....	4,774
Paisley.....	4,347
Valley Falls.....	4,326

SOURCE: U.S. Department of Commerce, Weather Bureau, Decennial Census of U.S.Climate, Supplement for 1951 through 1960, Oregon No. 86-31, 1965.

Table 2. Temperature and Precipitation, Lake County, By Month, 1951-1960 Averages

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Average Temperature	- - - - - - - - - - - - degrees Farenheit - - - - - - - - - - - -												
Fremont 1/.....	25.7	30.5	34.2	40.0	46.3	53.1	60.4	57.2	51.7	43.9	33.4	27.2	42.0
Lakeview.....	28.2	32.0	35.6	44.5	50.9	58.5	67.2	64.1	58.5	48.1	37.5	31.8	46.4
Paisley.....	31.8	35.2	38.7	46.2	53.0	60.3	69.3	66.4	61.0	50.7	39.3	33.7	48.8
Valley Falls 1/.	30.7	33.4	36.9	43.9	50.6	57.5	65.3	62.4	56.6	47.5	37.1	32.4	46.2
Total Precipitation	- - - - - - - - - - - - - - - - inches - - - - - - - - - - - - - - - -												
Fremont 1/.....	1.94	1.11	.78	.61	1.22	.76	.29	.33	.40	.55	1.17	2.41	11.57
Lakeview 1/.....	2.35	1.86	1.50	1.08	1.71	.92	.33	.26	.76	1.11	1.38	2.16	15.42
Paisley.....	1.55	1.13	1.01	.73	1.41	1.08	.52	.25	.38	.73	.89	1.65	11.33
Valley Falls 1/.	1.65	1.53	1.09	1.08	1.75	1.29	.48	.35	.51	.98	.98	1.80	13.49

1/ Some months are for somewhat less than the 1951-1960, ten year, period.
SOURCE: U.S. Department of Commerce, Weather Bureau, Decennial Census of U.S. Climate, Supplement for 1951 through 1960, Oregon, No. 86-31, 1965.

The following chart depicts an average daytime high and nighttime low for each month over the years 1951 through 1960.

Table 3. Mean Daily Maximum and Minimum Temperatures, Lake County, By Month, 1951-1960 Averages

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Mean Daily Maximum Temp.	- - - - - - - - - - - - degrees Farenheit - - - - - - - - - - - -												
Fremont 1/.....	37.5	42.5	47.5	57.7	65.3	73.9	85.0	81.8	75.7	64.8	49.8	40.5	60.2
Lakeview 1/.....	36.2	40.7	45.5	56.6	63.5	72.7	83.7	81.1	75.0	62.1	48.4	41.3	58.9
Paisley.....	41.0	45.9	50.3	60.6	67.9	76.3	87.4	84.3	78.8	66.0	51.8	44.1	62.9
Valley Falls 1/.	39.7	43.8	49.9	59.4	66.4	75.6	87.1	84.3	77.7	65.2	51.1	43.8	62.0
Mean Daily Minimum Temp.	- - - - - - - - - - - - degrees Farenheit - - - - - - - - - - - -												
Fremont 1/.....	13.9	17.7	20.9	22.5	27.6	32.4	35.7	32.6	27.7	23.0	17.0	14.0	23.8
Lakeview 1/.....	20.1	23.2	25.5	32.4	38.1	44.2	50.6	47.1	42.0	34.1	26.5	22.3	33.8
Paisley 1/.....	22.6	24.5	26.4	31.8	38.1	44.2	51.2	48.4	43.2	35.4	26.8	23.2	34.7
Valley Falls 1/.	21.6	22.9	23.8	28.5	34.8	39.4	43.6	40.4	35.4	29.8	22.9	21.0	30.3

1/ Some months are for somewhat less than the 1951-1960, ten year, period.
SOURCE: U.S. Department of Commerce, Weather Bureau, Decennial Census of U.S. Climate, Supplement for 1951 through 1960, Oregon No. 86-31, 1965.

Table 4. Freeze Data for Lake County, 1951-1960

Station	Mean Number of Days with a Temperature of 32°F. or Below												
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
Fremont 1/.....	30	26	28	26	20	14	9	16	22	25	27	30	273
Lakeview.....	28	23	25	15	7	2	2/	2/	2	13	23	28	166
Paisley 1/.....	25	24	23	16	7	2	2/	2/	3	12	21	26	159
Valley Falls 1/.	25	23	25	20	12	5	1	4	11	20	23	26	195

1/ Some months are for somewhat less than the 1951-1960, ten year, period.
2/ Less than 0.5 days.
SOURCE: U.S. Department of Commerce, Weather Bureau, Decennial Census of U.S. Climate, Supplement for 1951 through 1960, Oregon, No. 86-31, 1965.

For more recent climatological data on Lake County, see: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Data Service, Climatological Data, Annual Summary 1971, Vol. 77, No. 13, 1971.

Soils 1/

Soil characteristics for the four identifiable physiographic areas in Lake County are summarized below.

Valley lands:

Light-colored soils with good drainage; range from very deep, loamy to shallow, silty clay.

Alkali-affected soils with restricted drainage; range from deep silt loam to very shallow, sandy loam.

Dark, poorly drained and somewhat poorly drained nonalkali soils; range from moderately well drained, silty clay loam to poorly drained clay.

Older terraces, pediments, and fans; range from deep clay loam to shallow clay.

Grassland-shrub covered lava plateaus and plains:

Lighter colored soils; range from deep extremely stony, fine loam to very shallow, rocky loam.

Moderately dark to dark soils; range from deep, somewhat stony loam to very shallow, rocky loam.

1/ For additional information on Lake County soils, see: Lovell, B.B., J.A. Morgren, G. H. Simenson, M. G. Lindsay, and D. Anderson, Oregon's Long-Range Requirements for Water, General Soil Map Report with Irrigable Areas, Goose and Summer Lakes Drainage Basin, Appendix I-13, Oregon State Water Resources Board, 1969.

Pumice-mantled high lava plains:

Coarse pumice soils under forest; range from deep, gravelly, coarse sand to deep, gravelly, sand loam.

Pumice soils under shrub-grassland; range from deep loam to shallow sandy loam.

Forested mountainous uplands:

Range from deep, fine, reddish loam to shallow rocky loam.

Soil Characteristics and Land Capability

Table 5. Land Area and Use of Inventory Acreage, Lake County, 1967

Use	Acres
Inventory Acreage	
Cropland	187,858
Pasture	0
Range	812,507
Forest and woodland	369,000
Other land	21,872
Total inventory acres	1,391,237
Percent of total land area in inventory	26.3%
Non-Inventory Acreage	
Federal land	3,895,828
Urban and built-up areas	3,095
Water areas	2,000
Total non-inventory area	3,900,923
Total land area	5,292,160

SOURCE: Oregon Conservation Needs Committee, Oregon Soil and Water Conservation Needs Inventory, U.S. Soil Conservation Service and Oregon State University Extension Service, 1971.

An interpretive grouping of soils into "Land Capability Classification" has been developed by the Soil Conservation Service. This grouping shows, in general, how suitable soils are for most kinds of farming. Soil characteristics such as depth, texture, wetness, slope, erosion hazard, overflow hazard, permeability, structure, reaction, waterholding capacity, inherent fertility and climatic conditions as they influence the use and management of land are considered in grouping soils into eight land capability classes. These eight classes are designated by Roman numerals. The hazards and limitations of use of the groups increase as the class number increases. Class I land has few hazards or limitations, whereas Class VIII land is so limited that it is unfit for cultivation and grazing. This land can be used only for recreation, wildlife habitat or water supply.

Table 6. Use of Inventory Acreage by Capability Class, Lake County, 1967

Capability Class and Limitations 1/	Use in Acres				
	Cropland	Pasture-Range	Forest	Other Land	Total
I.....	0	0	0	0	0
II					
E.....	1,286	198	0	0	1,484
W.....	12,292	989	0	347	13,628
S.....	302	0	0	0	302
C.....	5,252	0	0	68	5,320
III					
E.....	15,304	3,758	0	4,654	23,716
W.....	18,454	0	0	0	18,454
S.....	8,998	0	0	1,285	10,283
IV					
E.....	36,766	63,229	0	522	100,517
W.....	10,398	0	0	0	10,398
S.....	0	0	0	6,669	6,669
C.....	0	2,476	0	0	2,476
V.....	0	0	0	0	0
VI					
E.....	0	393,205	241,808	0	635,013
S.....	0	14,519	0	5,073	19,592
VII					
E.....	0	0	5,995	0	5,995
S.....	0	304,298	121,197	1,291	426,786
VIII					
E.....	0	0	0	1,155	1,155
W.....	0	0	0	461	461

1/ E - main limitation is erosion.
W - water in soil interferes with plant growth.
S - soil is shallow, droughty, or stony.
C - main limitation is climate, too cold or too dry.

SOURCE: Oregon Conservation Needs Committee, Oregon Soil and Water Conservation Needs Inventory, U.S. Soil Conservation Service and Oregon State University Extension Service, 1971.

Table 7. Conservation Treatment Needs, Lake County, 1967

Classification	Acreage
ALL CROPLAND	187,858
Cropland needing treatment	116,051
Type of treatment needed:	
Residue cover	10,899
Sod in rotation	9,000
Drainage	0
Management	0
Other 1/	96,152
ALL PASTURE AND RANGE	812,507
Pasture and range needing treatment	609,380
Type of treatment needed:	
Establishment of vegetation	78,181
Improvement of vegetation	531,199
FOREST AND WOODLAND	369,000
Forest and woodland needing treatment	84,000
Description of problems:	
Establishment of timber stand	42,000
Improvement of timber stand	42,000
OTHER LAND	21,872
Other land needing treatment	10,650

1/ Includes improved irrigation systems.
SOURCE: Oregon Conservation Needs Committee, Oregon Soil and Water Conservation Needs Inventory, U.S. Soil Conservation Service and Oregon State University Extension Service, 1971.

Land Ownership and Land Use

Nearly 75 percent of Lake County's land is publicly owned. About 72 percent is owned by the federal government. The Bureau of Land Management administers about 67 percent of this federal land, about 27 percent is managed by the U.S. Forest Service, and 6 percent is managed by the Fish and Wildlife Service.

The state owns about two percent of the county, or 100,000 acres. Most of this land is managed by the Division of State Lands, although the State Game Commission controlled 7,000 acres in 1970.

Much of the county's land is used for grazing. Over 23 percent is also in forest land. Only about 17 percent of the county is in farm land and much of the area is used for grazing, pasture, or woodland.

Table 8. Land Use and Ownership, Lake County, 1964

Item	Lake County Acres	Lake County Percent	State Percent
Total land area.....	5,292,800	100.00	100.00
Land Use			
Urban.....	529	0.01	0.49
Industrial.....	---	---	0.16
Military.....	---	---	0.10
Intensive agriculture.....	133,379	2.52	8.52
Dryland farming.....	---	---	3.33
Forests.....	1,242,220	23.47	44.84
Parks.....	---	---	0.32
Conservation.....	409,663	7.74	2.25
Grazing.....	3,407,009	66.26	41.50
Nonproductive land.....	---	---	0.49
Land Ownership			
Total private land ownership.....	1,341,492	25.3	44.2
Total public land ownership.....	3,951,308	74.7	55.8
Federal.....	3,810,720	72.0	51.8
State.....	125,333	2.4	2.9
Local.....	15,225	0.3	1.1

SOURCE: Oregon Department of Planning and Development, Resources for Development, 1964.

Table 9. Inventory of State-Owned Real Property, Lake County, 1970

Agency	Acres	Land Value	Improv. Value	Total Value	Annual Rental Income
Game Commission.....	7,650.39	$ 226,190	$146,060	$ 372,250	$ 965
Division of State Lands.....	88,838.31	1,568,430	---	1,568,430	---
Highway Division Parks.....	650.45	29,413	90,731	120,144	---
Office and Maintenance.....	60.01	17,194	210,814	228,008	2,700
Totals.....	97,199.16	$1,841,227	$447,605	$2,288,832	$3,665

SOURCE: Legislative Fiscal Committee, Inventory of State-Owned Real Property, By County, Sec. 7, 115 State Capital, Salem, Oregon, 1970.

Table 10. Land Area in Highways, Streets, and Roads, Lake County

Ownership	Acres	Percent
State highways.....	3,570	30.9
County roads.....	7,885	68.2
City streets.....	110	0.9
Total.....	11,565	100.0

SOURCE: Oregon State Department of Revenue and Oregon State Highway Division, unpublished data.

Agricultural Land

In 1969 there were nearly 900,000 acres in farms in Lake County, but less than 20 percent of this area was cropland. Most of the remaining farm land was used for grazing or woodland. About 16 percent of the farm land was under irrigation in 1969.

Table 11. Land in Farms, Lake County, 1964 and 1969

Item	1964		1969	
	Acres	Percent	Acres	Percent
Total land area.....	5,267,850	100.0	5,268,096	100.0
Proportion in farms....		17.3		17.0
Acres in farms.....	914,965	100.0	894,769	100.0
Cropland harvested.....	107,375	11.7	96,989	10.8
Cropland pasture.....	60,561	6.6	51,619	5.8
Other cropland.....	19,918	2.2	23,801	2.7
Woodland including woodland pasture.....	182,774	20.0	67,867	7.6
Other land.....	544,334	59.5	654,493	73.1
Irrigated land.....	148,535	16.2	140,562	15.7

SOURCE: U.S. Bureau of the Census, Census of Agriculture, 1969, Vol. 1, Area Reports, Part 47, Oregon, U.S. Government Printing Office, Washington, D.C., 1972.

Forest Land

About 28 percent of Lake County is forest land. Most of this land is managed by the U.S. Forest Service. About 22 percent was owned by private forest industries in 1965.

Forest land in the county is used for producing timber crops, outdoor recreation, grazing, and wildlife habitat. They also serve as an important watershed for the county.

The U.S. Forest Service classifies commercial forest land as land that is a) producing, or physically capable of producing, usable crops of wood; b) economically available, now or prospectively, for timber harvest; and c) not withdrawn from timber harvest. In 1965, the U.S. Forest Service estimated that there were 1,169,000 acres of commercial forest land in Lake County. The remaining forest land was considered unproductive because it was incapable of producing industrial crops of wood or was withdrawn from commercial timber use through statute or administrative regulations.

Table 12. Forest Acreage, Ownership and Use, Lake County, 1965

Item	Acres	Percent
LAND		
Total land	5,292,000	100.0
Forest land	1,489,000	28.1
Commercial	1,169,000	22.1
Unproductive	307,000	5.8
Productive-reserved	13,000	0.2
Nonforest	3,803,000	71.9
OWNERSHIP		
All ownerships	1,169,000	100.0
National forest	829,000	70.9
Other public	4,000	0.3
Forest industry	263,000	22.4
Farmer and miscellaneous private	73,000	6.2

SOURCE: U.S. Forest Service, Forest Statistics for Central Oregon, Resource Bulletin PNW-24, Pacific Northwest Experiment Station, 1968.

Table 13. Volume of All Growing Stock and Sawtimber by Ownership, Lake County, 1965

Ownership	Total Commercial Growing Stock		Total Commercial Sawtimber	
	million cubic ft.	percent	million board ft.1/	percent
OWNERSHIP				
National forest.....	1,744	71.0	9,023	72.5
Other public.....	1	0.1	7	0.1
Forest industry.....	655	26.6	3,218	25.8
Farmer and misc. private.....	56	2.3	202	1.6
Total.....	2,456	100.0	12,450	100.0

1/ Scribner log rule.
SOURCE: U.S. Forest Service, Forest Statistics for Central Oregon, Resource Bulletin PNW-24, Pacific Northwest Experiment Station, 1968.

Table 14. Volume of All Growing Stock and Sawtimber on Commercial Forest Land by Species, Lake County, 1965

Species	Total Commercial Growing Stock		Total Commercial Sawtimber	
	million cubic ft.	percent	million board ft.1/	percent
All species.....	2,456	100.0	11,102	100.0
Softwoods.....	2,449	99.7	11,099	99.9
Ponderosa pine.....	1,441	58.7	7,804	70.3
Douglas fir.....	--	--	--	--
Sugar pine.....	7	0.3	36	0.3
Western white pine...	14	0.6	72	0.6
Lodgepole pine.....	348	14.2	708	6.4
Whitebark pine.....	5	0.2	11	0.1
White fir.....	580	23.6	2,276	20.5
California - Shasta red fir.....	5	0.2	21	0.2
Grand fir.....	1	0.1	6	0.1
Noble fir.....	1	0.1	1	2/
Engleman spruce.....	--	--	25	0.2
Incense cedar.....	40	1.6	139	1.3
Mountain hemlock.....	7	0.3	--	--
Hardwoods.....	7	0.3	3	2/

1/ Scribner log rule.
2/ Less than 0.05 percent.
SOURCE: U.S. Forest Service, Forest Statistics for Central Oregon, Resource Bulletin PNW-24, Pacific Northwest Experiment Station, 1968.

Water

There are several large drainage basins in Lake County. Drews, Thomas, and Cottonwood Creeks flow to Goose Lake and Deep Creek, Twelvemile Creek, and Honey Creek terminate in Warner Lakes Basin. The Chewaucan River flows to Lake Albert. Silver Creek, Bridge Creek, and Buck Creek terminate in Paulina Marsh.

Lakes located in Lake County include Silver Lake, Summer Lake, Lake Albert, Flagstaff Lake, Hart Lake, and part of Goose Lake. Together, they cover several thousand acres.

Table 15. Annual Yield of Representative Streams, Lake County

Stream and Gaging Point	Drainage Area sq. miles	Years of Record	Mean Annual Yield 1/	
			acre-feet 2/	acre-feet/ sq. mile
Twentymile Cr. near Adel.	194	33	34,970	180
Camas Cr. near Lakeview..	63	20	31,930	507
Drake Cr. near Adel.....	67	17	9,270	138
Deep Cr. above Adel.....	249	40	86,880	349
Honey Cr. near Plush.....	170	42	20,270	119
Chewaucan R. near Paisley	275	53	99,180	361
Ana R. near Summer Lake..	NA*	20	67,110	---
Silver Cr. near Silver L.	180	56	20,490	114
Drews Cr. near Lakeview..	212	37	49,300	232
Cottonwood Cr. at Lakeview.....	33	47	15,280	463

*NA - not available.

1/ Annual yield of surface water is the net yield, or quantity of water, leaving a drainage area during the hydrologic, or water year, which extends from October 1 of one year to September 30 of the following year. Net yield is the precipitation on the area minus evaporation, transpiration, and net underground percolation. Average or mean annual yield actually reflects a composite of constantly changing conditions due to withdrawals from stream flow and changes in watershed characteristics.

2/ Acre-feet equals the quantity of water (43,650 cu. ft.) that covers one acre to a depth of one foot.

SOURCE: U.S. Department of the Interior, Geological Survey, Water Resources Division, Water Resources Data for Oregon, Part 1, Surface Water Records, 1968.

Table 16. Extremes of Discharge at Selected Stations, Lake County

Stream and Location	Maximum Discharge		Minimum Discharge	
	Year	Flow (cfs)1/	Year	Flow (cfs)1/
Twentymile Cr. near Adel.	1964	3,670	No flow at times	
Camas Cr. near Lakeview..	1964	3,190	1960	0.9
Drake Cr. near Adel.....	1964	6,210	1963	0.4 2/
Deep Cr. above Adel.....	1964	9,420	1934	1.7
Honey Cr. near Plush.....	1964	11,000	No flow at times	
Chewaucan R. near Paisley	1964	6,490	No flow at times 2/	
Ana R. near Summer Lake..	1964	188	1952	6
Silver Cr. near Silver L.	1907	1,800	No flow at times	
Drews Cr. near Lakeview..	1910	3,000	No flow at times	
Cottonwood Cr. at Lakeview.....	1927	500-1,000	No flow at times	

1/ cfs - cubic feet per second.
2/ Minimum discharge due to freeze-up.
SOURCE: U.S. Department of Interior, Geological Survey, Water Resources Division, Water Resources Data for Oregon, Part 1, Surface Water Records, 1968.

Table 17. Lake County Municipal Water Supplies

City	Population Served, 1972	Water Source	Treatment
Lakeview.....	2,720	springs, wells	chlorination
Paisley.....	260	well	NA*

*NA - not available.
SOURCE: Oregon State Department of Human Resources, Health Division, Community Drinking Water Systems Office, unpublished data, telephone interview, 1973.

Table 18. Sewage Treatment Plants, Lake County

Location	Year Built	Type	Design Population	Design Flow MGD 1/	Population Served	Receiving Stream
Lakeview.....	1960	Lagoon	5,600	0.95	3,700	Land
Paisley.....	1970	Lagoon	400	0.032	260	Land

1/ MGD - million gallons per day.
SOURCE: Oregon State Department of Environmental Quality, unpublished data, 1973.
Note: This data will soon be available in published form.

Minerals

Mineral deposits within Lake County include pumice, obsidian, diatomite, perlite, feldspar, and uranium. Sand and gravel and stone are also mined for local use.

Wildlife

There is a large number of mule deer located in Lake County. Also, Hart Mountain National Antelope Refuge is located in the southeastern part of the county. Several hundred antelope range near this area.

Table 19. Big Game Animal Population Trends, Lake County

Game Management Unit	Miles Traveled	Animals Observed 1971	Animals Per Mile 1971	1970	5 yr. average 1/
Mule deer					
Warner.....	30	434	14.5	13.3	16.1
Silver Lake.....	35	599	17.4	17.4	28.3
Interstate.....	26	299	11.5	10.0	17.2

1/ 5 year average - 1966-1970.
SOURCE: Oregon State Game Commission, 1971 Annual Report, Oregon State Game Commission.

The streams, lakes, and reservoirs in the county contain rainbow trout, brook trout, kokanee, roach, bullhead catfish, and cutthroat trout.

For additional information on wildlife in Lake County, see the Outdoor Recreation section under the Economy division of this publication.

HUMAN RESOURCES

Population

The population of Lake County was 6,740 in 1972 or about 0.8 persons per square mile. About 43 percent of the population lives in urban areas and about 57 percent in rural areas of the county. Lakeview, the county seat, had a 1972 population of 2,720.

Table 20. Number of Persons by Racial Groups, Lake County, 1970

Racial Group	Number of Persons
Total.....	6,343
Caucasian.....	6,218
Spanish Language.....	49
Black.....	1
American Indian.....	68
Other.....	7

SOURCE: Valde, Gary R. and Robert O. Coppedge, Income and Poverty Data for Racial Groups: A Compilation for Oregon Census County Divisions, Special Report 367, Oregon State University Extension Service, Corvallis, Oregon, 1972.

Table 21. Lake and Bordering Counties, Population and Rank Order in Oregon, 1960 and 1972

County	1960		1972	
	Rank	Population	Rank	Population
LAKE.....	29	7,158	31	6,740
Deschutes.....	18	23,100	16	33,800
Harney.....	32	6,744	30	6,900
Klamath.....	10	47,475	11	51,940

SOURCE: U.S. Bureau of the Census, Census of Population: 1960 General Social and Economic Characteristics, Final Report PC(1) - C39, Oregon, U.S. Government Printing Office, Washington, D.C., 1962. Center for Population Research and Census, Population Estimates of Counties and Incorporated Cities of Oregon, Portland State University, July 1972.

Table 22. Land Area and Population Density, Lake and Bordering Counties, 1950, 1960, and 1970

County and State	Land Area	Population Density 1950	1960	1970
	- square miles -	- persons per sq. mile -		
State of Oregon.....	96,248	15.8	18.4	21.7
LAKE.....	8,340	0.8	0.9	0.8
Deschutes.....	3,060	7.1	7.5	11.0
Harney.....	10,132	0.6	0.7	0.7
Klamath.....	6,151	6.8	7.7	8.4

SOURCE: U.S. Bureau of the Census, Census of Population: 1950, 1960, and 1970 General Population Characteristics, Final Report PC(1) - B39, Oregon, U.S. Government Printing Office, Washington, D.C., 1951, 1961, 1971.

Lake County's population growth has been irregular, increasing as much as 30 percent in one ten year period and decreasing as much as 13 percent during a recent five year period. From 1970 to 1972, however, the population rose 6.2 percent to 6,740 people.

Table 23. Population Growth, Lake County

Year	Population	Percent Increase or Decrease Period	Percent
1910.....	4,658		
1920.....	3,991	1910-1920	(14.3)
1930.....	4,833	1920-1930	21.1
1940.....	6,293	1930-1940	30.2
1950.....	6,649	1940-1950	5.6
1960.....	7,158	1950-1960	7.6
1965.....	6,200	1960-1965	(13.4)
1970.....	6,343	1965-1970	(2.3)
1972.....	6,740	1970-1972	6.2

SOURCE: Center for Population Research and Census, Population Estimates of Counties and Incorporated Cities of Oregon, Portland State University, various editions.
U.S. Bureau of the Census, Census of Population: General Population Characteristics, Final Report PC(1) - B39, Oregon, U.S. Government Printing Office, Washington, D.C., various editions.

Table 24. Components of Change in Lake County's Population, 1940-1970

Year	Net Change	Natural Increase	Net Migration
1940-1950.....	356	934	- 578
1950-1960.....	509	1,072	- 563
1960-1970.....	-815	590	-1,395

SOURCES: U.S. Bureau of the Census, Census of Population, General Demographic Trends for Metropolitan Areas, 1960 to 1970, Final Report PHC (2) - 39, Oregon, U.S. Government Printing Office, Washington, D.C., 1971. Oregon State Board of Census, Components of Population Growth, Population Bulletin P-3, 1961.

Table 25. Urban and Rural Population, Lake County 1/

Year	Urban		Rural	
	Population	Percent Change	Population	Percent Change
1950.....	2,831		3,818	
1960.....	3,260	15.2	3,898	2.1
1970.....	2,705	17.0	3,638	6.7

1/ The urban population comprises all persons living in urbanized areas and in places of 2,500 inhabitants or more outside urbanized areas. The population not classified as urban constitutes the rural population.

SOURCE: U.S. Bureau of the Census, Census of Population: 1960 and 1970 Number of Inhabitants, Final Report PC(1) - A39, Oregon, U.S. Government Printing Office, Washington, D.C., 1961, 1971.

Table 26. Population Estimates of Incorporated Cities, Lake County, 1960, 1965, 1971, 1972

City and County	1960	1965	1971	1972
Lake County.....	7,158	6,200	6,250	6,740
Lakeview.....	3,260	3,200	2,705	2,720
Paisley.....	219	240	260	260
Incorporated area.....	3,524	3,440	2,965	2,980
Unincorporated area.....	3,679	2,760	3,285	3,760

SOURCE: Center for Population Research and Census, Population Estimates of Counties and Incorporated Cities of Oregon, Portland State University, various years.

In 1970 about 38 percent of Lake County's population was 18 years old or under, while 9 percent was 65 years old or over. The median age of the county's population increased from 29.8 in 1960 to 31.1 in 1970.

Table 27. Population by Age and Sex, Lake County, 1960 and 1970

Age Group	Male		Female		Total		Percent	
	1960	1970	1960	1970	1960	1970	1960	1970
Total population.	3,772	3,242	3,386	3,101	7,158	6,343	100.0	100.0
Under 5....	383	272	394	240	777	512	10.9	8.1
5-9....	439	292	420	293	859	585	12.0	9.2
10-14....	351	351	335	349	686	700	9.6	11.0
15-19....	259	342	236	313	495	655	6.9	10.3
20-24....	160	132	176	172	335	304	4.7	4.8
25-34....	485	338	470	344	955	682	13.3	10.7
35-44....	500	419	458	396	958	815	13.4	12.8
45-54....	502	397	405	372	907	769	12.7	12.1
55-64....	368	373	256	339	624	712	8.7	11.2
65 and over....	325	326	237	283	562	609	7.9	9.6
Median age.....	31.2	31.8	28.1	30.3	29.8	31.1		

SOURCE: U.S. Bureau of the Census, Census of Population: 1960 and 1970 General Population Characteristics, Final Report PC(1) - B39, Oregon, U.S. Government Printing Office, Washington, D.C., 1961, 1971.

Table 28. Population of Selected Cities by Age and Sex, Lake County, 1960 and 1970

Age Group	Lakeview	
	1960	1970
Under 5.....	NA*	731
5-14.....	"	1,544
15-24.....	"	2,274
25-34.....	"	1,636
35-44.....	"	912
45-54.....	"	1,042
55-64.....	"	890
65 and over.....	"	305
Total population.....	3,260	2,705
Male.....	NA	1,322
Female.....	NA	1,383

*NA - not available.

SOURCE: U.S. Bureau of the Census, Census of Population, 1960 and 1970 General Population Characteristics, Final Report PC(1) - B39, Oregon, U.S. Government Printing Office, Washington, D.C., 1961, 1971.

Employment

The Oregon State Department of Employment reported that in 1971 the annual average labor force in Lake County was 3,020 or 48 percent of the total population. At that time, the unemployment rate was 7.0 percent of the total labor force or about 210 persons unemployed.

The 1970 Census of Population shows that 2,296 people 16 years and older were employed in the county out of a total labor force of 2,407. These figures are based on a survey taken during March of 1970. About 18 percent were employed in manufacturing with lumber and wood products employing 16 percent alone. Agriculture and forestry employed nearly 27 percent of the labor force. Other major employers were: retail trade, 17 percent; public administration, 8 percent; and construction, 3 percent.

Table 29. Employment Status, Lake County and Lakeview, 1960 and 1970

Subject	Lake County		Lakeview	
	1960	1970 1/	1960	1970 1/
Total males, 14 years and over.....	2,658	2,259	1,133	967
Total labor force.....	2,225	1,728	956	726
Armed forces.....	--	--	--	--
Civilian labor force.....	2,225	1,728	956	726
Employed.....	2,007	1,579	852	654
Unemployed.....	218	149	104	72
Not in labor force.....	433	531	177	241
Inmate of institution.....	11	--	NA*	NA
Enrolled in school.....	154	173	"	"
Other.....	260	358	"	"
Total females, 14 years and over...	2,280	2,151	1,089	940
Total labor force.....	820	779	479	345
Employed.....	763	717	455	319
Unemployed.....	57	62	24	26
Not in labor force.....	1,460	1,372	610	595
Inmate of institution.....	--	--	NA	NA
Enrolled in school.....	149	192	"	"
Other.....	1,311	1,180	"	"
Married (husbands present), in labor force.....	496	570	"	"

*NA - not available.

1/ 16 years and over.

SOURCE: U.S. Bureau of the Census, Census of Population, 1960 and 1970 General Social and Economic Characteristics, Final Report PC(1) - C39, Oregon, U.S. Government Printing Office, Washington, D.C., 1962, 1972.

Table 30. Industry Group of Employed, Lake County, 1960 and 1970

Industry	Number Employed 1960	1970
Agriculture	561	615
Forestry and fisheries	119	
Mining	55	5
Construction	200	71
Manufacturing	621	406
Lumber and wood products	553	364
Food and kindred products	32	5
Other	36	37
Transportation	58	23
Communications	45	16
Wholesale trade	42	28
Retail trade	322	393
Business services	54	134
Personal services	179	95
Hospitals	28	54 1/
Educational services	169	32
Professional and related services	68	36
Public administration	120	184
Utilities and sanitary services	20	43

1/ Includes health services.

SOURCE: U.S. Bureau of the Census, Census of Population, 1960 and 1970 General Social and Economic Characteristics, Final Report PC(1)-C39, Oregon, U.S. Government Printing Office, Washington, D.C., 1962, 1972.

Table 31. Percent of Age Group in Labor Force, Lake County, 1970

Age Group	Lake County Male	Female
Years		
14-15	17.0	8.3
16-17	29.5	15.5
18-19	51.4	20.0
20-21	100.0	22.4
22-24	87.0	27.1
25-34	98.2	43.8
35-44	95.2	31.9
45-64	93.4	50.2
65 and over	17.8	21.9

SOURCE: U.S. Bureau of the Census, Census of Population: 1970 General Social and Economic Characteristics, Final Report PC(1) - C39, Oregon, U.S. Government Printing Office, Washington, D.C., 1972.

Table 32. Lake County Occupations, 1970

Occupation	Number Employed		
	Male	Female	Total
Total employed, 16 years and over..	1,579	717	2,296
Professional, technical, and kindred workers.....	226	73	299
Engineers.....	NA*	NA	19
Physicians and related practitioners.....	NA	NA	10
Other health workers.....	--	--	--
Teachers.....	19	44	63
Technicians, except health.....	43	--	43
Other professional workers.....	135	29	164
Managers and administrators.....	253	68	321
Sales workers.....	52	57	109
Clerical and kindred workers.....	20	195	215
Craftsmen and kindred workers....	166	16	182
Operative except transport.....	138	26	164
Transport.....	78	8	86
Laborers except farm.....	189	17	206
Farmers and farm managers.....	181	16	197
Farm laborers.....	197	19	216
Service workers.....	79	192	271
Cleaning service.....	29	61	90
Food service.....	10	86	96
Health service.....	--	22	22
Personal service.....	5	6	11
Protective service.....	35	--	35
Private household.....	--	30	30

*NA - not available.

SOURCE: U.S. Bureau of the Census, Census of Population: 1970 General Social and Economic Characteristics, Final Report PC(1) - C39, Oregon, U.S. Government Printing Office, Washington, D.C., 1972.

Table 33. Number of Hired Seasonal Workers in Agriculture by Type of Worker, Lake County, 1965 and 1971, Midmonth Figures

Month	Local		Intrastate Migratory		Interstate Migratory	
	1965	1971	1965	1971	1965	1971
May.....	FIGURES ARE NOT PUBLISHED BY THE STATE EMPLOYMENT DIVISION FOR LAKE COUNTY AREA					
June.....						
July.....						
August.....						
September.....						
October.....						

SOURCES: Oregon State Department of Employment, 1965 Oregon Farm Labor Report, 1966.
Oregon State Department of Human Resources, Employment Division, 1971 Annual Rural Manpower Report, 1972.

Table 34. Annual Average Labor Force in Lake County, 1968-1971

Industry	Number of Persons			
	1968	1969	1970	1971
Civilian labor force.....	3,020	2,990	2,990	3,020
Workers in labor management disputes....	0	0	0	0
Unemployment.....	210	190	240	210
Percent of labor force.....	7.0	6.4	8.0	7.0
Employment.....	2,810	2,800	2,750	2,810
Agricultural.....	650	640	620	610
Nonagricultural.....	2,160	2,160	2,130	2,200
Self-employed, unpaid family and domestics.....	320	300	290	290
Wage and salary workers.....	1,840	1,860	1,840	1,910
Manufacturing.....	490	470	410	440
Lumber and wood.....	440	430	380	420
Other.....	50	40	30	20
Nonmanufacturing.....	1,350	1,390	1,430	1,470
Contract construction.....	60	20	20	40
Transportation, communication, and utilities.....	90	120	120	120
Wholesale and retail trade.....	330	330	330	340
Finance, insurance and real estate..	70	80	80	80
Service and miscellaneous.....	180	200	200	210
Government.....	620	640	680	680

SOURCE: Oregon State Department of Human Resources, Employment Division, Labor Force and Employment in Oregon by County 1968 through 1971 publications, Research and Statistics Section, 1969, 1972.

Table 35. Median Earnings of Selected Occupation Groups, Lake County, 1959 and 1969

Occupation Group	1959	1969
Male, total with earnings	$4,881	$7,120
Professional, managerial, and kindred workers	6,071	8,854
Farmers and farm managers	3,938	1,600
Craftsmen, foremen, and kindred workers	5,887	7,900
Operatives and kindred workers	4,928	7,775
Farm laborers	2,105	1,600
Laborers, excluding farm and mine	4,304	7,181
Female, total with earnings	$1,732	$2,820
Clerical and kindred workers	2,417	3,653
Operatives and kindred workers	--	2,167

SOURCE: U.S. Bureau of the Census, Census of Population: 1960 and 1970 General Social and Economic Characteristics, Final Report PC(1) - C39, Oregon, U.S. Government Printing Office, Washington, D.C., 1962, 1972.

Table 36. Covered Payrolls and Employment by Industry, Lake County, 1970 and 1971

Industry	Average Employment 1970	Average Employment 1971	Annual Payroll 1971
Agriculture, forestry, and fisheries	1/	1/	1/
Mining	1/	1/	1/
Contract Construction	21	39	$ 364,387
Lumber and wood products manufacturing	355	399	3,718,641
Food and kindred products manufacturing	3	5	36,982
Other manufacturing	23	11	43,035
Transportation, communication, gas, electric, and sanitary services	103	102	776,024
Wholesale and retail trade	303	332	1,425,184
Finance, insurance and real estate	59	59	289,801
Services and miscellaneous	120	99	296,984
Government	353	364	3,342,477
Yearly total	1,382	1,418	$10,342,585

1/ Not published.

SOURCE: Oregon State Department of Human Resources, Employment Division, Oregon Covered Employment and Payrolls, 1970 and 1971, Summary Data, Research and Statistics Section, 1971, 1972.

Table 37. Number and Percent of Persons Unemployed in Lake and Bordering Counties, 1968 and 1971

County	Number of People		Percent of Labor Force	
	1968	1971	1968	1971
LAKE	210	210	7.0	7.0
Deschutes	620	890	5.4	6.3
Harney	110	170	3.3	5.1
Klamath	930	1,350	4.7	6.4

SOURCE: Oregon State Department of Human Resources, Employment Division, Labor Force and Employment in Oregon by County 1968 and 1971 publications, Research and Statistics Section, 1969, 1972.

Table 38. Major Occupation Group of Unemployed, Lake County, 1960 and 1970

Occupation Group	Number of Persons	
	1960	1970
Professional, technical, and kindred workers.	21	40 1/
Farmers and farm managers	--	NA*
Managers, officials, and proprietors, excluding farm	5	NA
Clerical and kindred workers	13	15
Sales workers	--	12
Craftsmen, foremen, and kindred workers	29	17
Operatives and kindred workers	67	40
Service workers, including private household	38	28
Farm laborers	11	10
Laborers, excluding farm and mine	54	44

*NA - not available.

1/ Includes managerial workers.

SOURCE: U.S. Bureau of the Census, Census of Population: 1960 and 1970 General Social and Economic Characteristics, Final Report PC(1) - C39, Oregon, U.S. Government Printing Office, Washington, D.C., 1962, 1972.

Table 39. Local Government Employees and Payroll, Lake County, October 1967

Item	Employees and Earnings
Employees	305
Full-time only	204
Full-time equivalent employment	227
Education	154
Teachers only	103
Functions other than education	73
Highways	21
Public welfare	--
Hospitals	--
Health	6
Police protection	7
Fire protection	4
Sewerage	1
Sanitation other than sewerage	1
Parks and recreation	--
Natural resources	2
Housing and urban renewal	--
Correction	2
Libraries	--
Financial administration	9
General control	10
Water supply	3
Other local utilities	--
Other and unallocable	7
October payroll	$111,000
Education	79,000
Teachers only	60,000
Functions other than education	33,000
Average monthly earnings, full-time employment	
Teachers	$582
Others	415

SOURCE: U.S. Bureau of the Census, Census of Governments, 1967, Vol. 3, No. 2: Compendium of Public Employment, U.S. Government Printing Office, Washington, D.C., 1969.

Income

Table 40. Net Effective Buying Income Estimates, Lake County, 1967 and 1970

Area	Net Dollars		Per Household	
	1967	1970	1967	1970
	- thousand dollars -		- dollars -	
Oregon.....	$5,224,888	$6,650,690	$8,113	$9,440
Lake County.....	14,296	17,324	7,524	8,662

SOURCE: Bureau of Business and Economic Research, Oregon Economic Statistics 1969 and 1972, University of Oregon, 1969, 1972.

Table 41. Bank Debits and Deposits, Lake County, 1965-1970

Year	Bank Debits 1/	Bank Deposits
	- - - - thousand dollars - - - -	
1965.....	NA*	$12,615
1966.....	"	13,159
1967.....	"	14,272
1968.....	"	17,656
1969.....	"	18,444
1970.....	"	18,236

*NA - not available.

1/ Bank debits represent the dollar value of checks drawn against deposit accounts of individuals and businesses. Included are debits to demand deposit accounts of individuals, business firms, and state and other political subdivisions, and payments from escrow or trust accounts. Excluded are debits to U.S. Government, interbank, time and savings accounts, and several other categories of accounts.

SOURCE: Bureau of Business and Economic Research, Oregon Economic Statistics 1969 and 1972, University of Oregon, 1969, 1972.

Table 42. Income and Poverty Data for Racial Groups, Lake County, 1970

Item	Number	Percent
Mean Income		
Families:		
All races	$9,068	1/
Caucasian	9,116	
Spanish Language		
Black		
Other	3,504	
Unrelated individuals:		
All races	3,327	
Caucasian	3,339	
Spanish Language		
Black		
Other	2,767	
Families by Family Income Class		
All races:		
under $3,999	320	19.62
$4,000-$5,999	194	11.89
$6,000-$11,999	720	44.15
$12,000+	397	24.34
total	1,631	100.00
Caucasian:		
under $3,999	309	19.11
$4,000-$5,999	194	11.99
$6,000-$11,999	720	44.53
$12,000+	394	24.37
total	1,617	100.00
Spanish Language:		
under $3,999		
$4,000-$5,999		
$6,000-$11,999		
$12,000+		
total		
Black:		
under $3,999		
$4,000-$5,999		
$6,000-$11,999		
$12,000+		
total		
Other:		
under $3,999	11	78.57
$4,000-$5,999		
$6,000-$11,999		
$12,000+	3	21.43
total	14	100.00

Table 42, cont. Income and Poverty Data for Racial Groups, Lake County, 1970

Item	Number	Percent
Income Below Poverty Level (bpl)		
Families bpl		
All races.....	202	100.00
Caucasian.....	191	95.55
Spanish Language.....		
Black.....		
Other.....	11	5.45
Persons in families bpl.....	666	
Unrelated individuals bpl		
Under 65.....	131	
65 and over.....	155	
Male family head, 14-64 yrs., bpl		
Employed.....	88	
Unemployed.....	19	
Not in labor force.....	10	
Female family heads bpl in labor force with children below 6 yrs..		
Income source of families and unrelated individuals bpl		
Earnings.....	234	
Social security or railroad retirement.....	233	
Public assistance or welfare.....	65	

1/ Blank spaces indicate a zero, suppressed data, or not applicable.

SOURCE: Valde, Gary R. and Robert O. Coppedge, Income and Poverty Data for Racial Groups: A Compilation for Oregon Census County Divisions, Special Report 367, Oregon State University Extension Service, Corvallis, Oregon, 1972.

Table 43. Formal Education Facilities, Lake County, 1968-69 and 1971

School District, Type School, and Number of Each Type	Enrollment 1/ 1968-69	Enrollment 1/ 1971	High School Graduates, 1971
Union School District #5			
Elementary - 1.....	50	51	---
Lakeview School District #7			
Elementary - 4.....	628	590	---
Junior high - 1.....	356	201	---
High school - 1.....	394	436	137
Paisley School District #11			
Elementary - 1.....	72	76	---
High school - 1.....	86	43	17
Silver Lake School District #14			
Elementary - 1.....	44	48	---
Plush School District #18			
Elementary - 1.....	6	6	---
Adel School District #21			
Elementary - 1.....	41	38	---
Fort Rock School District #24			
Elementary - 1.....	31	37	---
Ana River School District #25			
Elementary - 1.....	9	---	---
Vernon school District #41			
Elementary - 1.....	47	43	---
County totals			
Elementary - 12.....	927	889	---
Junior high - 1.....	356	201	---
High school - 2.....	481	479	154
County grand total - 15.....	1,763	1,569	154

1/ Average daily membership. Enrollments may vary from year to year partially because student loads were shifted from one district to another.

SOURCES: Oregon Board of Higher Education, Summary of Pupil Personnel for the Year Ending June 30, 1969, 1971-72 Oregon School-Community College Directory, and 1971 Oregon Public High School Graduates, School Finance and Statistical Services.

Table 44. Racial and Ethnic Distribution of Public School Enrollment by School District, Lake County, 1972

District	White	Black	American Indian	Spanish Surname	Other 1/	Total
	- - - - - - - - - number of students - - - - - - - - -					
Adel.....	40	--	--	--	--	40
Fort Rock.....	37	--	--	--	--	37
Lakeview.....	1,260	--	23	2	1	1,286
Paisley.....	162	--	3	--	--	165
Plush.....	5	--	--	--	--	5
Silver Lake.....	46	--	--	--	--	46
Union.....	46	--	--	--	--	46
Vernon.....	54	--	1	--	--	55
Total.....	1,650	--	27	2	1	1,680

1/ Includes Japanese, Chinese, Filipino, and others.
SOURCE: Compiled from Oregon Board of Education reports by Oregon State University Extension Service.

Table 45. Years of School Completed by Population 25 Years and Over, Lake County, 1970

Education	Number Males	Number Females	Total	Percent
Total 25 years and over.....	1,853	1,734	3,587	100.0
No school years completed...	12	6	18	0.5
Elementary: 1-4 years.....	49	8	57	1.6
5-7 years.....	170	66	236	6.6
8 years.....	331	203	534	14.9
High school: 1-3 years.....	345	389	734	20.5
4 years.....	548	653	1,201	33.5
College: 1-3 years.....	166	309	475	13.2
4 yrs. or more.	232	100	332	9.2
Median school years completed.	12.0	12.3	NA*	

*NA - not available.
SOURCE: U.S. Bureau of the Census, Census of Population: 1970 General Social and Economic Characteristics, Final Report PC(1) - C39, Oregon, U.S. Government Printing Office, Washington, D.C., 1972.

Table 46. Lake County Residents Enrolled in Oregon Higher Education Institutions, Fall 1971

Institution	Number Enrolled
Total enrolled.....	189
Eastern Oregon College.....	10
Oregon College of Education.....	14
Oregon State University.....	40
Portland State University.....	4
Southern Oregon College.....	53
University of Oregon.....	10
Oregon Technical Institute.....	17
University of Oregon Dental School....	0
University of Oregon Medical School...	1
Total in private and independent institutions.....	13
Total in public community institutions.....	27

SOURCE: Oregon Educational Coordinating Council, Post Secondary Enrollment In Oregon, An Analysis of the Statewide Student Enrollment Data Survey, 1972.

Table 47. Youth Organizations, Lake County

Organization	Membership
Boy Scouts.....	241
Camp Fire Girls.....	NA*
4-H.....	327
Future Farmers.....	43
Girl Scouts.....	NA
YMCA.....	1/
YWCA.....	1/

*NA - not available.

1/ No chapter in county.

SOURCES: Boy Scouts December 1972 figures, Klamath Falls Boy Scouts Office, unpublished data; FFA 1972 figures, Oregon State Department of Education, unpublished data; 4-H 1972 figures, Oregon State Extension Office, 4-H Division, unpublished data.

Although Lake County operates no correctional institutions of its own, it is served by four state correctional institutions in Marion County. These include training schools for socially maladjusted boys between 12 and 18 years of age and girls between the ages of 12 and 21.

Table 48. Felonies and Juvenile Delinquency, Lake County, 1968

Subject	Number
Commitments to felony and correctional institutions, 1967-68	
Total commitments.....	14
Oregon State Penitentiary.....	3
Oregon State Correctional Institution....	4
MacLaren (boys' training school) 1/.....	6
Hillcrest (girls' training school) 1/....	1
Juvenile court cases, 1968	
All cases.....	199
Delinquency.....	134
Traffic.....	52
Other.....	13

1/ 1968 figures from Oregon State Department of Human Resources, Children Services Division, Adolescent Population and Commitment Data by County, by Calendar Year 1967-1970.

SOURCE: Oregon State Executive Department, Program Planning Division, District Facts, 1970.

Health and Vital Statistics

The following tables indicate the number of health facilities and health personnel available to Lake County residents. There are substantially fewer doctors, dentists, and nurses per capita in the county than for the state as a whole.

In the 1969 fiscal year, Lake County allocated a total of $22,428 to its county health department or $3.30 per capita. This compares with $5.70 spent per capita on the average by all counties in the state.

1/ Oregon State Executive Department, Porgram Planning Division, District Facts, 1970.

Table 49. Existing Medical Facilities, Number of Existing Beds, and Number of Beds Needed, Lake County, 1971 1/

Category and Community	Number of Facilities		Number of Beds	
	Existing	Needed	Existing	Needed
General hospitals				
Lakeview.....	1	1	20	21
Long-term care facilities				
Lakeview.....	1	1	24	24
Diagnostic and treatment centers				
Lakeview.....	1	1	--	--

1/ Mental facilities: the state plan of the Mental Health Division is made a part of this plan by reference.
Tuberculosis hospitals: none.
Rehabilitation facilities: no facilities programmed beyond the services in area hospitals.

SOURCE: Oregon State Board of Health, Oregon Plan for Construction and Modernization of Hospitals, Public Health Centers and Medical Facilities, 1971 Annual Revision, Health Facility Planning and Construction Section, 1971.

Table 50. Diagnostic or Treatment Center Facilities, Lake County, 1970 1/

Name	Location	Outpatient Visits During Year
Lakeview Hospital.....	Lakeview	2,931

1/ A diagnostic or treatment center takes outpatients, has facilities for examination of patients by a physician or dentist, or has x-ray and clinical laboratory services available.

SOURCE: Oregon State Board of Health, Oregon Plan for Construction and Modernization of Hospitals, Public Health Centers and Medical Facilities, 1971 Annual Revision, Health Facility Planning and Construction Section, 1971.

Table 51. Percent Occupancy of Existing Medical Facilities, Lake County, 1969

Name of Facility	Location	Total Capacity	Percent of Occupancy
General hospitals			
Lakeview Hospital.....	Lakeview	20	41
Long-term care facilities 1/			
Lakeview Hospital.....	Lakeview	24	2/
Tuberculosis hospitals			
None			

1/ There are no convalescent homes or nursing homes in this area.
2/ Under construction.
SOURCE: Oregon State Board of Health, Oregon Plan for Construction and Modernization of Hospitals, Public Health Centers and Medical Facilities, 1971 Annual Revision, Health Facility Planning and Construction Section, 1971.

Table 52. Number of Licensed Medical Personnel and Ratio of Population Per Professional, Lake County, 1969

Profession	Lake County		State
	Number	Ratio 1/	Ratio 1/
Medical doctors and doctors of osteopathy.	5	1,360	770
Dentists.....	2	3,400	1,412
Registered nurses.....	12	567	276
Licensed practical nurses.....	1	6,800	1,002
Pharmacists.....	5	1,360	1,375

1/ Ratio figure equals population per professional in particular category.
SOURCE: Oregon State Executive Department, Program Planning Division, District Facts, 1970.

Table 53. Number of Admissions to State Psychiatric Hospitals and Mental Health Clinics and Ratio per 100,000 Population, Lake County, 1968-69

Facility	Lake County		State
	Number	Ratio	Ratio
Psychiatric hospitals.....	8	118	134
Mental health clinics.....	--	--	460

SOURCE: Oregon State Executive Department, Program Planning Division, District Facts, 1970.

From 1968 to 1971, Lake County's birth rate fell to 15.8 but remained above the state rate of 15.6 per 1,000 people. During the same time, the county's death rate fell to 9.0 per 1,000 people or 0.4 less than the state rate.

Table 54. Births and Deaths by Major Category, Lake County, 1968 and 1971

Category	Lake County				State
	Number		Rate		Rate
	1968	1971	1968	1971	1971
All births 1/.....	116	99	17.8	15.8	15.6
All deaths 1/.....	60	56	9.2	9.0	9.4
Illegitimate births 2/.....	7	10	60.3	101.0	78.1
Premature births 2/.....	5	13	43.1	131.3	57.4
Infant deaths 2/.....	4	1	34.5	10.1	18.4
Accidental deaths 3/.....	11	4	168.6	64.0	61.3

1/ Rates per 1,000 population.
2/ Rates per 1,000 live births.
3/ Rate per 100,000 population.
SOURCE: Oregon State Department of Human Resources, State Health Division, Vital Statistics Section, 1968 Statistical Report, 1969 and Vital Statistics Annual Report, 1971.

Table 55. Health Statistics, Lake County, 1971

Item	Lake County Number	Lake County Rate 1/	State Rate 1/
Morbidity			
Tuberculosis	--	--	11.6
Syphilis	--	--	5.3
Gonorrhea	5	80.0	422.0
Influenza	282	4,512.0	1,171.7
Hepatitis, infectious	--	-- 2/	45.1 2/
Measles (Rubella)	6	96.0	18.1
Deaths from all causes	56	9.0 3/	9.4 3/
Malignant neoplasms (cancer)	7	112.0	168.4
Diabetes mellitus	1	16.0	13.3
Heart diseases	26	416.0	349.6
Cerebrovascular diseases	5	80.0	110.9
Arteriosclerosis	1	16.0	21.2
Other cardiovascular diseases	1	16.0	17.3
Influenza and pneumonia	1	16.0	26.4
Bronchitis, emphysema, asthma	2	32.0	26.9
Peptic ulcer	1	16.0	4.3
Cirrhosis of liver	2	32.0	15.8
Congenital anomalies	1	16.0	8.2
Certain infancy mortality causes	--	--	14.7
All other diseases	3	48.0	76.9
Accidents	4	64.0	61.3
Suicide	1	16.0	14.9
Homicides	--	--	3.8

1/ Rate per 100,000 population.
2/ 1966-68 average, taken from Office of the Governor, Planning Division, Health Facts, 1969.
3/ Rate per 1,000 population.
SOURCE: Oregon State Department of Human Resources, State Health Division, Vital Statistics Section, Vital Statistics Annual Report, 1970.

Table 56. Public Welfare Payments for Assistance, Lake and Klamath Counties, August 1972 1/

Category	Number of Cases	Average Payments
Cases receiving non-medical payments		
Old Age Assistance	151	$ 67.57
Aid to the Blind	18	72.61
Aid to the Disabled	159	79.92
Aid to Dependent Children 2/	1,813	44.09
General Assistance	74	57.44
Foster Care	NA*	NA
Physicians services 2/		
OAA	43	$ 23.87
AB	2	9.13
AD	70	40.32
ADC	403	23.51
GA	50	33.77
FC	51	14.81
Hospital payments 2/		
OAA	5	$125.14
AB	0	--
AD	13	613.70
ADC	26	334.81
GA	11	590.69
FC	4	612.82
Drug payments 2/		
OAA	149	$ 28.32
AB	11	22.38
AD	96	25.60
ADC	205	11.35
GA	32	21.55
FC	29	5.18

*NA - not available.
1/ Lake and Klamath counties are reported together.
2/ Persons, not cases.
SOURCE: Oregon State Department of Human Resources, Public Welfare Division, Public Welfare in Oregon, August 1972.

Table 57. Average Monthly Public Welfare Payments by Type of Service, Lake and Klamath Counties, Fiscal Years 1968-69 and 1971-72 1/

Type of Service	Average Payment Per Case 1968-69	1971-72
Old Age Assistance.....	$ 55.42	$ 62.37
Aid to the Disabled.....	74.65	75.99
Aid to the Blind.....	74.61	75.48
General Assistance.....	57.28	59.47
Aid to Dependent Children 2/		
UN 3/.....	35.54	44.27
Basic 3/.....	38.45	45.56

1/ Lake and Klamath Counties are reported together.
2/ Payment per person, not case.
3/ The UN figure represents payments to families where the male parent is in the home but unemployed. The basic figure represents all others.
SOURCE: Unpublished data received from Sondra Lipman, Oregon Public Welfare Division, Research and Statistics Section, May 1973.

The State of Oregon operates three special schools for the handicapped, all located at Salem in Marion County. The School for the Blind provides special education for approximately 100 children with acute vision problems in a boarding school situation. The School for the Deaf provides parallel training for severely handicapped children from four years of age through high school. Oregon Fairview Home provides in- and out-patient training for mentally deficient minors and adults.

Housing

Table 58. Housing Occupancy and Facilities for Places with Over 2,500 Inhabitants, Lake County, 1970

Subject	Lakeview Number	Percent
Occupancy		
All year-round housing units.....	1,024	100.0
Owner occupied.....	551	53.8
Renter occupied.....	372	36.3
Vacant year-round.....	101	9.9
Facilities		
Telephone available.....	777	76.2
Air conditioning.....	105	10.3
Median gross rent of renter occupied....	$90	--

1/ Excludes one-family homes on ten acres or more.
SOURCE: U.S. Bureau of the Census, Census of Housing: 1970 Detailed Housing Characteristics, Final Report HC(1) - B39, Oregon, U.S. Government Printing Office, Washington, D.C., 1972.

Table 59. Housing Occupancy and Facilities, Lake County, 1970

Subject	Lake County Number Units	Lake County Percent	State Percent
Occupancy			
All housing units	2,405	100.0	100.0
Vacant-seasonal or migratory	24	1.0	1.3
Owner occupied	1,377	57.3	61.3
Renter occupied	676	28.1	31.5
Vacant year-round	328	13.6	5.9
Population in housing units per unit			
Owner occupied	2.5	--	--
Renter occupied	2.7	--	--
Persons per room			
All occupied units	2,053	100.0	100.0
1.00 or less	1,931	94.0	94.7
1.01 to 1.50	101	4.9	4.2
1.51 or more	21	1.0	1.1
Facilities			
Lacking some or all plumbing facilities	156	7.6	3.6
Telephone available	1,609	78.4	89.5
Air conditioning	187	9.1	10.3
	- number -		- number -
Median number of rooms	5.0		5.0
Median value 1/	$9,900		$11,300
Median gross rent 2/	$ 85		$107

1/ Specified owner occupied. Limited to one-family homes on less than 10 acres and no business on property.

2/ Specified renter occupied. Excludes one-family homes on 10 acres or more.

SOURCE: U.S. Bureau of the Census, Census of Housing: 1970 Detailed Housing Characteristics, Final Report HC(1) - B39, Oregon, U.S. Government Printing Office, Washington, D.C., 1972.

THE COUNTY'S ECONOMY

Agriculture and lumbering are the two major industries in Lake County's economy. Most people engaged in manufacturing are employed by the lumber and wood products industry. A substantial portion of the work force also is employed in farming and forestry. Outdoor recreation and tourism also generate income within the county.

Agriculture

In 1970 agriculture contributed nearly $9 million in sales to Lake County's economy. Much of the income generated, $7.3 million, was from cattle and calves. Hay and small grains were also important.

A large portion of the county's farm land is used for grazing livestock and producing forage for livestock.

Table 60. Farm Size and Value, Lake County, 1959, 1964, and 1969

Subject	1959	1964	1969
Approximate acres of land area.....	5,292,160	5,267,850	5,268,096
Proportion in farms.....	20.0%	17.3%	17.0%
Total number of farms.....	334	343	283
Acres in farms.....	1,057,780	914,965	894,769
Average size of farms.....	3,167.0	2,667.5	3,161.7
Value of land and buildings			
Average per farm.....	$82,653	$122,765	$183,526
Average per acre.....	$35.42	$45.92	$58.04

SOURCE: U.S. Bureau of the Census, Census of Agriculture, 1964 and 1969, Vol. 1, Area Reports, Part 47, Oregon, U.S. Government Printing Office, Washington, D.C., 1967, 1972.

Table 61. Farm Operators by Tenure, Lake County, 1959, 1964, 1969

Tenure	1959	1964	1969
Full owners.....	202	221	187
Part owners.....	100	93	78
Managers.....	5	3	--
Tenants.....	27	26	18
Total operators.....	334	343	283

SOURCE: U.S. Bureau of the Census, Census of Agriculture, 1964 and 1969, Vol. 1, Area Reports, Part 47, Oregon, U.S. Government Printing Office, Washington, D.C., 1967, 1972.

Table 62. Farm Operators by Age and Years of School Completed, Lake County, 1959, 1964, and 1969

Subject	1959	1964	1969
Average age (years).....	49.7	51.8	52.5
Farm operators 65 years and older..	52	55	49
Years of school completed:			
Elementary: 0-4 years.....	NA*	2	NA
5-7 years.....	"	12	"
8 years.....	"	82	"
High school: 1-3 years.....	"	66	"
4 years.....	"	118	"
College: 1-3 years.....	"	38	"
4 years or more.....	"	25	"

*NA - not available.

SOURCE: U.S. Bureau of the Census, Census of Agriculture, 1964 and 1969, Vol. 1, Area Reports, Part 47, Oregon, U.S. Government Printing Office, Washington, D.C., 1967, 1972.

As the following table illustrates, a major portion of farms in Lake County are quite large. In 1969 nearly 30 percent were 2,000 acres or more in size. About 65 percent were over 260 acres.

Table 63. Number and Percent of Farms by Size, Lake County, 1959, 1964, and 1969

Size	Number			Percent		
	1959	1964	1969	1959	1964	1969
Less than 10 acres.....	12	7	8	3.6	2.0	2.8
10 to 49 acres.....	35	35	26	10.5	10.2	9.2
50 to 69 acres.....	5	11	4	1.5	3.2	1.4
70 to 99 acres.....	17	25	19	5.1	7.3	6.7
100 to 139 acres.....	17	16	14	5.1	4.7	4.9
140 to 179 acres.....	13	20	10	3.9	5.8	3.5
180 to 219 acres.....	7	9	5	2.1	2.6	1.7
220 to 259 acres.....	10	11	14	3.0	3.2	4.9
260 to 499 acres.....	38	33	35	11.4	9.6	12.4
500 to 999 acres.....	56	53	36	16.8	15.5	12.7
1,000 to 1,999 acres.....	39	30	29	11.7	8.7	10.2
2,000 acres or more.....	85	93	83	25.4	27.1	29.3
Total farms.....	334	343	283	100.0	100.0	100.0

SOURCE: U.S. Bureau of the Census, Census of Agriculture, 1964 and 1969, Vol. 1, Area Reports, Part 47, Oregon, U.S. Government Printing Office, Washington, D.C., 1967, 1972.

Classification of farms by economic class considers only those classified by the U.S. Department of Agriculture as "commercial farms".

In general, all farms with a total value of products sold amounting to $2,500 or more are classified as commercial. Farms with sales of $50 to $2,499 are classified as commercial if the farm operator was under 65 years of age and (1) he did not work off the farm 100 or more days during the year and (2) the income received by the operator and members of his family from nonfarm sources was less than the value of all farm products sold.

Table 64. Farms by Economic Class, Lake County, 1959, 1964, 1969

Economic Class	Number			Percent		
	1959	1964	1969	1959	1964	1969
Commercial farms.....	244	246	223	76.5	71.7	78.8
Class I (sales of $40,000 or more).....	41	32	50	12.8	9.3	17.7
Class II (sales of $20,000 to $39,999).....	34	37	37	10.6	10.8	13.1
Class III (sales of $10,000 to $19,999).....	58	54	59	18.2	15.7	20.8
Class IV (sales of $5,000 to $9,999).....	40	62	41	12.9	18.1	14.5
Class V (sales of $2,500 to $4,999).....	59	37	31	18.5	10.8	10.9
Class VI (sales of $50 to $2,499).....	12	24	5	3.8	7.0	1.8
Other farms.....	75	97	60	23.5	28.3	21.2
Part-time.....	58	76	44	18.2	22.2	15.5
Part-retirement.....	17	21	15	5.3	6.1	5.3
Abnormal.....	--	--	1	--	--	0.4
Total farms.....	319 1/	343	283	100.0	100.0	100.0

1/ Discrepancy in reported data with total farms given elsewhere.
SOURCE: U.S. Bureau of the Census, Census of Agriculture, 1964 and 1969, Vol. 1, Area Reports, Part 47, Oregon, U.S. Government Printing Office, Washington, D.C., 1967, 1972.

Income from the sale of crops and livestock in Lake County during 1970 was over $8,900,000. The sale of livestock accounted for nearly 85 percent of this income. Cattle and calves alone contributed almost 82 percent. Other important agricultural products were: hay, 7.5 percent; small grains, 5.3 percent; specialty horticultural crops, 1.3 percent; and dairy products, 0.9 percent.

Table 65. Value of Farm Products Sold,[1/] Lake County, 1966-1970

Product	1966	1967	1968	1969	1970[2/]
	- - - - - thousand dollars - - - - -				
All crops, livestock and livestock products	7,618	7,402	7,847	9,873	8,935
All crops	941	1,092	884	1,315	1,366
All grain, hay and seeds	913	1,023	833	1,171	1,146
All seed crops	--	--	--	--	--
All grain and hay	913	1,023	833	1,171	1,146
All hay	446	418	331	621	670
All grains	467	605	502	550	476
Wheat	295	436	343	342	307
Barley	86	81	76	87	82
Vegetables, fresh and for processing	3	--	--	--	--
All berries	--	--	--	--	--
All tree fruits and nuts	--	--	--	--	--
Specialty field crops	--	6	15	47	60
Specialty horticultural crops	--	12	9	47	115
All livestock and livestock products	6,677	6,310	6,963	8,558	7,569
Dairy products	107	101	97	77	80
Poultry products	19	17	14	21	21
Cattle and calves	6,295	5,978	6,663	8,327	7,313
Sheep and lambs	159	136	112	67	65
Hogs	11	8	8	5	36

1/ Crop year includes quantities sold or held for sale.
2/ preliminary.
SOURCE: U.S.D.A. and Oregon State University Extension Service cooperating, "Oregon Commodity Data Sheets", Oregon State University, 1971-72.

Table 66. Acres of Crops Harvested, Lake County, 1969 and 1970

Crops Harvested	1969	1970 1/
Corn for grain.....	---	--
Small grains		
Wheat.....	9,500	8,400
Oats.....	3,500	3,000
Barley.....	4,500	5,400
Hay crops.....	101,100	98,000
Field seed crops.....	2/	2/
Other field crops.....	2/	2/
Vegetables.....	2/	2/
Berries.....	2/	2/
Tree fruits, nuts, and grapes.....	17 3/	NA*

*NA - not available.
1/ preliminary.
2/ Not reported, either little or no acreage.
3/ From U.S. Census of Agriculture, 1969.
SOURCE: U.S.D.A. and Oregon State University Extension Service cooperating, "Oregon Commodity Data Sheets", Oregon State University, 1971-72.

Numbers of dairy cattle, sheep and lambs, and hogs on Lake County farms decreased steadily from 1950 to 1970. However, numbers of all cattle increased 25 percent during the same period.

Table 67. Livestock and Poultry Numbers, Lake County, 1950, 1960, 1969, 1970

Category 1/	1950	1960	1969	1970 2/
All cattle.....	69,600	72,000	86,000	88,000
Dairy cattle.....	1,400	700	300	300
Sheep and lambs.....	41,000	35,000	6,000	4,000
Hogs.....	2,200	800	300	NA*
Chickens.....	NA	NA	4,000	4,000
Turkeys raised.....	NA	NA	100	--

*NA - not available.
1/ Numbers as of January 1, unless otherwise indicated.
2/ preliminary.
SOURCE: U.S.D.A. and Oregon State University Extension Service cooperating, "Oregon Commodity Data Sheets", Oregon State University, 1971-72.

Table 68. Food and Kindred Products Manufacturing, Lake County, 1968 and 1970

Product Group	Number of Firms		Employment	
	1968	1970	1968	1970
Meat products				
Meat packing plants.....	1	1	NA*	3
Dairy products				
Fluid milk.....	1	0	NA	--
Canning and preserving fruits, vegetables, and seafoods.....	0	0	--	--
Grain mill products.....	0	0	--	--
Beverages.....	0	0	--	--
Miscellaneous food preparations and kindred products.....	0	0	--	--
Total.....	2	1	NA	3

*NA - not available.

SOURCE: Oregon State Department of Commerce, Economic Development Division, Directory of Oregon Manufacturers - 1968.
Oregon State Executive Department, Economic Development Division, Directory of Oregon Manufacturers - 1970.

Logging and Wood Products

Wood products manufacturing is by far the largest manufacturing industry in Lake County, both in terms of employment and in terms of value added by production. Logging activities also employ many people on private and national forest lands in the county. Although the number of firms in the county has decreased in recent years, employment has risen.

Ponderosa and Jeffrey pines contribute the major portion of the county's annual average timber harvest. During 1960 through 1970, an average of over 237 million board feet of timber was harvested in the county. Most of the harvested timber is used in Lake County sawmills.

In 1968, Lake County used 54,310,000 board feet of its own log production. It also exported 76,220 board feet to other counties and imported another 6,650,000 board feet for processing.

Over 57,000 tons of bark and wood residue were produced in Lake County during 1968. About 28,000 tons of this residue were consumed for such uses as pulp, particle board, or fuel.

Table 69. Lumber and Wood Products Manufacturing Excluding Furniture, Lake County, 1968 and 1970

Product Group	Number of Firms		Employment	
	1968	1970	1968	1970
Logging camps and contractors.....	9	7	97	52
Sawmills and planing mills, general.	3	3	175	155
Millwork.....	3	2	190	235
Veneer and plywood.....	0	1	--	26
Total.....	15	13	462	468

SOURCE: Oregon State Department of Commerce, Economic Development Division, Directory of Oregon Manufacturers - 1968.
Oregon State Executive Department, Economic Development Division, Directory of Oregon Manufacturers - 1970.

From 1960 through 1970, timber harvested in Lake County varied from 167,052,000 board feet in 1962 to 396,131,000 board feet in 1968. The annual average for the 1960-1970, eleven year, period was over 237,000,000 board feet.

Table 70. Timber Harvest by Ownership, Lake County, 1970 1/

Ownership	Production 2/	Percent of Total
Total timber harvest.....	259,294	100.0
Private 3/.....	165,314	63.8
Bureau of Land Management 4/.....	---	---
National forest 5/.....	93,980	36.2
State 3/.....	---	---

1/ Includes volume removed as logs but not volume removed for poles, piling, and woodcutting operations.
2/ Scribner log rule - thousand board feet.
3/ Compiled by State Forestor.
4/ Compiled by Bureau of Land Management.
5/ Compiled by U.S. Forest Service.
SOURCE: Wall, Brian R., "1970 Timber Harvest", U.S.D.A. Forest Service Resource Bulletin PNW-38, U.S. Forest Service, Pacific Northwest Forest and Range Experiment Station, Portland, Oregon, 1971.

Table 71. Log Consumption in Thousand Board Feet by Species and Industry, Lake County, 1968 1/

Species	Type of Industry		
	Sawmills	Veneer and Plywood	Shake and Shingle
All species.....	60,960	2/	2/
True firs.....	18,854		
Ponderosa and Jeffrey pines..	41,548		
Other softwoods.....	558		
Hardwoods.....	---		

1/ Scribner log rule.
2/ None reported.
SOURCE: Manock, Eugene R., Grover A. Choate, and Donald R. Gedney, Oregon Timber Industries, 1968, Wood Consumption and Mill Characteristics, Oregon State Department of Forestry jointly with U.S. Forest Service, Salem, Oregon, 1968.

Table 72. Installed 8-Hour Capacity of Wood-Using Industries, Lake County, 1968

Industry	Capacity
Sawmill-lumber 1/.....	230,000
Veneer and plywood 2/.....	4/
Pulp and board mills 3/.....	4/

1/ Scribner log rule, board feet.
2/ Square feet, 3/8 inch basis.
3/ 24 hour capacity in tons.
4/ None reported.
SOURCE: Manock, Eugene R., Grover A. Choate, and Donald R. Gedney, Oregon Timber Industries, 1968, Wood Consumption and Mill Characteristics, Oregon State Department of Forestry jointly with U.S. Forest Service, Salem, Oregon, 1968.

Manufacturing

Table 73. Value Added by Major Manufacturing Industries, Lake County, 1967

Item	Value Added	Percent of Total
All manufacturing.....	$5,500,000	100.0
Lumber and wood products.....	5,500,000	100.0

SOURCE: U.S. Bureau of the Census, Census of Manufacturers, 1967, Area Services: Oregon, MC 67(3) - 38, U.S. Government Printing Office, Washington, D.C., 1970.

Table 74. Manufacturing, Other than Lumber and Wood Products; Food and Kindred Products and Mineral, Metal, and Related Products Manufacturing, Lake County, 1968 and 1970

Product Group	Number of Firms		Employment	
	1968	1970	1968	1970
Ordnance and accessories.....	0	0	--	--
Textile mill products.....	0	0	--	--
Apparel and other finished products made from fabrics.....	0	0	--	--
Furniture and fixtures.....	0	0	--	--
Printing, publishing, and allied industries				
Newspapers, publishing and printing.....	1	1	8	9
Commercial printing except lithography.....	1	0	1	--
Chemicals and allied products.....	0	0	--	--
Rubber and miscellaenous plastics...	0	0	--	--
Machinery except electrical.....	1	1	1	1
Electrical machinery.....	0	0	--	--
Transportation equipment.....	0	0	--	--
Miscellaneous manufacturing industries				
Lapidary work.....	1	1	5	5
Sporting and athletic goods.....	0	1	--	26
Total.....	4	4	15	41

SOURCE: Oregon State Department of Commerce, Economic Development Division, Directory of Oregon Manufacturers - 1968.
Oregon State Executive Department, Economic Development Division, Directory of Oregon Manufacturers - 1970.

Mining - Mineral and Metal Industries

Income from mineral production varies considerably in Lake County with construction activities. In addition to sand and gravel, which are mined for construction, pumice, diatomite, and mercury are also produced.

Table 75. Mineral, Metal and Related Manufacturing, Lake County, 1968 and 1970

Product Group	Number of Firms		Employment	
	1968	1970	1968	1970
Petroleum refining and related industries.....	0	0	-	-
Stone, clay, and glass products				
Minerals and earths, ground or otherwise treated.....	1	1	3	3
Primary metal industries.....	0	0	-	-
Fabricated metal products.....	0	0	-	-
Total.....	1	1	3	3

SOURCE: Oregon State Department of Commerce, Economic Development Division, Directory of Oregon Manufacturers - 1968.
Oregon State Executive Department, Economic Development Division, Directory of Oregon Manufacturers - 1970.

Table 76. Value of Mineral Production, Lake County, 1963, 1965, and 1970

Year	Value	Minerals Produced in Order of Value
1963.....	$ 90,000	NA*
1965.....	1,167,000	Sand and gravel, stone, pumice, diatomite, mercury
1970.....	239,000	Pumice, sand and gravel, stone, diatomite, mercury

*NA - not available.
SOURCE: U.S. Bureau of Mines, Minerals Yearbook, from Bureau of Business and Economic Research, Oregon Economic Statistics, various years, University of Oregon.

Outdoor Recreation

Much of Fremont National Forest and part of Deschutes National Forest are located in Lake County. There are nearly 25 improved campgrounds or picnic grounds in these areas which offer boating, fishing, hunting, and other recreational opportunities.

There are also four state parks in the county. Although attendance at Chandler State Wayside and Fort Rock State Park has varied in recent years, both day visitor attendance and overnight camping attendance have risen substantially at Goose Lake Recreation Area.

Hart Mountain National Antelope Refuge is located in the southeastern portion of the county.

The county's scenery varies from desert sand dunes to reservoirs in forested mountains. The county also contains hot springs and geysers as well as ice caves.

Hunting is a major outdoor activity in the county. Each year several thousand hunters stalk deer, pheasant, and antelope. Many also hunt ducks and geese in the county.

Sport fishing is also popular in county lakes and streams.

Table 77. Attendance at State Parks in Lake County, 1968-72

Park and Use	Attendance			
	1968-69	1969-70	1970-71	1971-72
Chandler State Wayside				
Overnight camping.....	7,494	7,304	7,903	5,356
Fort Rock State Park				
Day visitor attendance.....	15,628	23,210	19,678	17,409
Goose Lake Recreation Area				
Day visitor attendance.....	--	--	22,508	108,416
Overnight camping.....	2,514	3,553	5,301	7,243

SOURCE: Oregon State Department of Transportation, State Highway Division, "Day Visitor Attendance" and "Overnight Camping by the Public", State Parks and Recreation Section, 1972.

Table 78. Lake County Park and Recreation Facilities

Ownership and Name	Acres	Facilities & Activities 1/
U.S. National Forest		
Fremont National Forest		
Beaver Dam	NA*	B,F,H,P
Campbell Lake	"	B,C,F,H,S
Cinder Hill	"	B,C,F,H
Clear Spring	"	C,F,H
Corral Creek	"	C,F,H
Cougar Creek	"	C,B,F,H
Deadhorse Creek	"	C,F,H
Deadhorse Lake	"	C,B,F,H,S
Deep Creek	"	C,F,H
Dog Lake	"	C,B,F,H
Drews Creek	"	C,F,H,P
East Bay	"	C,B,F,H
Happy Camp	"	C,F,H
Lee Thomas	"	C,F,H
Marsters Spring	"	C,F,H,Tc
Mud Creek	"	C,F,H
Sandhill Crossing	"	C,F,H
Silver Creek Marsh	"	C,F,H
Thomas Creek	"	C,F,H
Thompson Reservoir	"	C,F,H,P,S,Tc
Willow Creek	"	C,F,H,Tc
Deschutes National Forest		
Cabin Lake	"	H,Tc
State Parks		
Booth State Wayside	311	P
Chandler State Wayside	85	C,P
Fort Rock State Park	190	P,Hi,Ge
Goose Lake State Recreation Area	64	B,C,F,P

1/ Facilities and activities:

B - boating
C - camping
F - fishing
H - hunting
P - picnicking
S - swimming
Tc - trailer camping
Hi - historic
Ge - geologic

*NA - not available.

SOURCES: U.S. Forest Service, Pacific Northwest Region, National Forest Campground Directory, Oregon-Washington, U.S. Government Printing Office, 1971.
Oregon State Department of Transportation, Oregon State Highway Division, State Parks and Recreation Section, "State Park Acreages", 1972.

Table 79. Lake County Game Harvest

Game	Hunters		Harvest		Days Hunted
	Number	Percent of State Total	Number	Percent of State Total	
Pheasant.....	721	1.00	2,434	1.00	2,663
Quail.....	379	1.45	2,712	1.71	1,294
Chukar partridge....	167	1.01	403	0.35	319
Blue and ruffed grouse.....	22	0.29	22	0.13	24
Mourning dove.....	350	2.14	5,333	2.71	1,030
Ducks.....	3,370	6.04	21,210	3.72	12,480
Geese.....	4,180	14.88	13,780	21.65	14,550
Deer 1/.....	16,500	5.90	3,950	4.49	NA*
Antelope 2/.....	389	32.55	196	30.29	986

*NA - not available.

1/ Figures for Hart Mountain, Interstate, Silver Lake, Wagontire, and Warner state game management units, which are not completely within Lake County's borders and do not completely cover the county.

2/ Figures for Fort Rock-Silver Lake, Hart Mountain, Interstate, Paulina-Wagontire, and Warner state game management units, which are not completely within Lake County's borders and do not completely cover the county.

SOURCES: Oregon State Game Commission, "1966 Upland Game Questionnaire", 1967; "Water Fowl Estimates, 1969-70 Season", 1970; and "Oregon State Game Commission Bulletin", May 1972.

Business

Table 80. Selected Services, Lake County, 1967

Kind of Business	Number Establishments	Receipts ($1,000)	Number Paid 1/ Employees
Selected services, total.....	54	$837	48
Hotels, motels, tourist courts, camps 2/	14	NA*	NA
Personal services.....	16	"	"
Miscellaneous business services.....	2	"	"
Auto repair, services, garages.....	8	"	"
Miscellaneous repair services.....	11	"	"
Motion pictures.....	2	"	"
Amusement, recreation services, exc. motion pictures.....	1	"	"

*NA - not available.

1/ Excludes active proprietors of unincorporated businesses.

2/ Data reported for specific kinds of business only for counties with 300 or more establishments.

SOURCE: U.S. Bureau of the Census, Census of Business, 1967, Selected Services: Oregon, BC 67 - SA 39, U.S. Government Printing Office, Washington, D.C., 1969.

Table 81. Retail and Wholesale Trade, Lake County, 1967

Kind of Business	Number Establishments	Number Paid 1/ Employees	Sales ($1,000)
Retail trade, total	100	291	$13,601
Lumber, building materials, hardware, farm equipment dealers 2/	5	NA*	1,106
General merchandise group stores	7	"	507
Food stores	15	"	2,373
Automotive dealers	6	"	3/
Gasoline service stations	14	"	1,102
Apparel, accessory stores	4	"	295
Furniture, home furnishing, equipment stores	2	"	3/
Eating, drinking places	20	"	881
Drug, proprietary stores	3	"	531
Other retail stores	16	"	3,805
Nonstore retailers	8	"	389
Wholesale trade, total	15	31	$ 4,006
Merchant wholesalers 4/	7	NA	2,283
Other operating types	8	NA	1,723

*NA - not available.

1/ Excludes active proprietors of unincorporated businesses.

2/ Data reported for specific kinds of business only for counties with 500 or more retail establishments.

3/ Withheld to avoid disclosure.

4/ Data reported for specific kinds of business only for counties with 100 or more wholesale establishments.

SOURCES: U.S. Bureau of the Census, Census of Business, 1967, Retail Trade: Oregon, BC 67 - RA 39; 1967 Wholesale Trade: Oregon, BC 67 - WA 39, U.S. Government Printing Office, Washington, D.C., 1969.

PUBLIC SERVICES

Transportation

Three major highways serve Lake County. State Highway 31 enters the northwest corner of the county and runs to its south-central portion. State Highway 140 runs across the southern portion of the county from Klamath County to Nevada. Federal Highway 395 runs north and south through Lakeview, entering at the California border and continuing into Harney County

An airport is located at Lakeview where charter flights are available. Regularly scheduled bus service is available along the county's major highways. Several railroad companies serve the county, including the Burlington Northern, the Oregon, California & Eastern, and the Southern Pacific.

Table 82. Miles of Roadway in Lake County, 1968

Agency	Miles
Federal agency roads.....	3,193
State agency roads.....	307
County and public usage roads 1/...	1,184
City streets.....	14
Total.....	4,698

1/ Public usage roads are roads under county jurisdiction but generally privately maintained.

SOURCE: Transportation Research Institute, Oregon State University, Functional Classification of Public Roads and Streets in Oregon, 1970.

Table 83. Number of Aircraft and Boats in Lake County, 1968

Subject	Number
Aircraft.....	23
Boats.....	139

SOURCE: Oregon State Executive Department, Program Planning Division, District Facts, 1970.

Table 84. Motor Vehicle Registration, Lake County, 1970 and 1972

Vehicle	Number of Vehicles 1970	1972
Passenger vehicles.....	4,466	4,915
Buses.....	4	0
Trucks.....	493	603
All trailers.....	386	225
Motorcycles.....	202	259
Recreational 1/.....	360	471
Snowmobiles.....	NA*	92
Total vehicles.....	5,911	6,565

1/ Includes campers and travel trailers.
*NA - not available.
SOURCES: 1970 figures from Bureau of Business and Economic Research, Oregon Economic Statistics, 1972, University of Oregon, 1972.
1971 figures from a telephone interview with State Motor Vehicles Division.

Communication

Table 85. Communication Facilities, Lake County

Type of Service	Location	Network Affiliation
Radio stations		
KQIK.....	Lakeview	---
Telephone		
Beaver State Telephone Company.....	Adel, Lakeview, Paisley, Plush	
Pacific Northwest Bell.....	Lakeview, Adel, Paisley, Plush, Summer Lake	
Television stations		
None located within the county, but TV cable is available in Lakeview.		
Newspapers		
Lake County Examiner..... (Portland papers available)	Lakeview	

SOURCES: Oregon Association of Broadcasters, Directory of Radio and Television Stations for the State of Oregon, 1972.
Oregon State Executive Department, Clay Myers, Secretary of State, Oregon Blue Book, 1973-74, January 1973.
Pacific Northwest Bell, unpublished data.

Table 86. Residential Communication Facilities, Lake County, 1960 and 1970

Facilities	Number of Housing Units 1960	1970
Battery radio sets		
Yes	NA*	1,443
No	NA	495
Telephone available		
Yes	1,438	1,609
No	821	444
Television sets		
One	1,620	1,563
Two or more	63	197
None	576	178
UHF equipped televisions		
Yes	NA	360
No	NA	1,400

*NA - not available.

SOURCE: U.S. Bureau of the Census, Census of Housing: 1960 and 1970 Detailed Housing Characteristics, Final Report HC(1) - B39, Oregon, U.S. Government Printing Office, Washington, D.C., 1962, 1972.

Library Facilities

During the 1969-70 fiscal year, the city of Lakeview provided $1,100 and Lake County provided $19,214 to support library facilities in the county. Expenditures for the year totaled $20,331. The county's circulation per capita of 5.3 and expenditures per capita of $2.99 compare with average figures for all counties in Oregon of 6.3 and $3.48.

Table 87. Lake County Libraries, by City of Location, 1969-70

City	Volumes	Circulation	Circ./ Capita	Hrs. Open Per Week	Operating Expend.	Expend./ Capita
Lakeview	18,008	31,710	10.1	52	$20,331	$6.45 1/
Paisley	988	2,231	7.4	4	--	--
Extension Service	--	1,873	--	--	--	--
County total	18,996	35,814	5.3	--	$20,331	$2.99

1/ Calculated for total county population.

SOURCE: Nielsen, Alice M., Editor, Directory of Oregon Libraries, annual statistics for the year ending June 30, 1970, Oregon State Library, Salem, Oregon.

Utilities

Slightly over half the housing units in Lake County were served by public water systems and public sewer systems compared with 80 percent and 61 percent respectively for the state as a whole.

Table 88. Housing Units by Water Supply and Sewage Disposal, Lake County, 1970

Subject	Lake County		State
	Number	Percent 1/	Percent 1/
Water source			
Public system or private company..	1,281	53.8	79.8
Individual well.....	952	40.0	16.9
Other or none.....	144	6.1	3.3
Sewage disposal			
Public sewer.....	1,261	53.0	61.0
Septic tank or cesspool.....	1,007	42.3	37.5
Other or none.....	109	4.6	1.5

1/ Percent of all year-round housing units.
SOURCE: U.S. Bureau of the Census, Census of Housing: 1970 Detailed Housing Characteristics, Final Report HC(1) - B39, Oregon, U.S. Government Printing Office, Washington, D.C., 1972.

Table 89. Housing Units by Water Supply and Sewage Disposal for Places with Over 2,500 Inhabitants, Lake County, 1970

Subject	Lakeview	
	Number	Percent 1/
Water source		
Public system or private company.	1,006	98.3
Individual well.....	--	--
Other or none.....	6	0.6
Sewage disposal		
Public sewer.....	1,006	98.3
Septic tank or cesspool.....	--	--
Other or none.....	6	0.6

1/ Percent of all year-round housing units.
SOURCE: U.S. Bureau of the Census, Census of Housing: 1970 Detailed Housing Characteristics, Final Report HC(1) - B39, Oregon, U.S. Government Printing Office, Washington, D.C., 1972.

Table 90. Types of Fuels and Fuel Usage, Number of Housing Units, Lake County, 1960 and 1970

Type of Fuel	Home Heating Fuel		Water Heating Fuel		Cooking Fuel	
	1960	1970	1960	1970	1960	1970
Utility gas.....	--	37	--	38	20	62
Fuel oil, kerosene, etc..	855	851	--	--	--	--
Coal or coke.....	--	--	--	--	--	--
Wood.....	704	174	172	46	415	69
Electricity.....	415	699	1,647	1,764	1,424	1,630
Bottled, tank, or LP gas.	242	177	66	67	357	177
Other fuel.....	43	--	23	--	--	--
None.....	--	--	351	23	43	--
All occupied housing units.....	2,259	1,938				

SOURCE: U.S. Bureau of the Census, Census of Housing: 1960 and 1970 Detailed Housing Characteristics, Final Report HC(1) - B39, Oregon, U.S. Government Printing Office, Washington, D.C., 1962, 1972.

Lake County is served by Pacific Power and Light and Surprise Valley Electric Corporation. Electric power is imported into the county, since no major electric power plants are located within its borders.

Table 91. Selected Items of Local Government Finances, Lake County, 1966-67

Item	Lake County		State
	Total Amount	Per Capita Amount	Per Capita Amount
	- $1,000 -	- - dollars - -	
General revenue, exc. interlocal...	$1,945	$309	$308
Intergovernmental revenue.....	703	112	97
From state government.....	699	111	83
From local sources.....	1,242	197	210
Taxes.....	995	158	156
Property.....	955	152	151
Other.....	39	6	5
Charges and miscellaneous.....	247	39	54
Direct general expenditure.....	2,132	338	316
Capital outlay.....	166	26	62
Other.....	1,965	312	254
Education.....	1,105	175	180
Other than capital outlay.....	1,046	166	152
Highways.....	352	56	30
Other than capital outlay.....	274	44	20
Public welfare.....	20	3	2
Hospitals.....	--	--	6
Other than capital outlay.....	--	--	--
Health.....	30	5	4
Police protection.....	109	17	12
Fire protection.....	39	6	9
Sewerage.....	36	6	8
Other than capital outlay.....	35	6	3
Sanitation other than sewerage...	3	0.44	2
Parks and recreation.....	82	13	10
Natural resources.....	56	9	4
Housing and urban renewal.....	--	--	4
Correction.....	9	1	2
Libraries.....	24	4	3
Financial administration.....	65	10	5
General control.....	77	12	8
General public buildings.....	19	3	3
Interest on general debt.....	34	5	6
Other and unallocable.....	72	11	21
Water supply revenue.....	54	9	12
Water supply expenditure.....	27	4	13
General debt outstanding.....	897	142	214
Long-term.....	897	142	203
Local schools.....	627	100	101
Other.....	270	43	101

SOURCE: U.S. Bureau of the Census, Census of Governments, 1967, Vol. 4, No. 5: Compendium of Government Finances, U.S. Government Printing Office, Washington, D.C., 1969.

Table 92. Summary of Assessment Rolls for 1971-72 Fiscal Year Real Property, Personal Property and Utilities, Lake County

Item	Assessed Value	Percent of Total
Class		
Real property		
Lands inside corporate limits	$ 3,420,610	3.5
Lands outside corporate limits	45,529,000	46.3
Improvements inside corporate limits	10,391,810	10.6
Improvements outside corporate limits	12,007,770	12.2
Timber (excludes land)	---	---
Less veterans exemptions	(397,140)	0.4
Less senior citizens residence exemptions	(197,330)	0.2
Taxable real property	67,754,720	68.9
Personal property		
Merchandise and stock in trade	3,346,820	3.4
Furniture, fixtures and equipment	228,370	0.2
Farm machinery and equipment	2,098,240	2.1
Other machinery and equipment	3,383,750	3.4
Livestock	9,372,130	9.5
Miscellaneous	78,600	0.1
Less veterans exemptions	(6,090)	1/
Less senior citizens residence exemptions	---	---
Taxable personal property	18,501,820	18.8
Total taxable real and personal property	86,256,540	87.7
Utilities		
Airline companies	---	---
Electric companies	10,115,230	10.3
Express companies	---	---
Gas companies	---	---
Heating companies	---	---
Pipeline companies	---	---
Railroad companies	255,340	0.3
Tank and private car companies	---	---
Telegraph companies	900	1/
Telephone companies	1,700,455	1.7
Water companies	2,000	1/
Water transportation companies	---	---
Taxable utility property	12,073,925	12.3
Total taxable real, personal and utility property	$98,330,465	100.0

SOURCE: Oregon State Department of Revenue, Summary of Assessment and Tax Rolls for the 1971-72 Fiscal Year and 1969-70 and 1970-71 Property Tax Collections, Research and Special Service Division, 1972.

1/ Less than 0.1 percent.

Table 93. Summary of 1971-72 Property Tax Levies and Assessments, Lake County

Item	Amount in Dollars
Levies	
County	$ 265,040
Cities	198,886
Community colleges	26,241
Elementary and secondary school districts	
Intermediate county	369,479
Education joint	---
Elementary and unified	602,255
Union high	---
County unit	---
Total school districts	971,734
Special districts	
Cemetery	---
Fire protection	10,525
Hospital	191,314
Park and recreation	9,192
Port	---
Road	---
Sanitary	16,781
Water supply	---
Other	---
Total special districts	227,812
Total gross ad valorem levies	1,689,713
Special assessments	
Fire patrol	16,117
Forest fee	---
Diking and drainage	---
Irrigation	5,044
Lighting	---
Other	1,951
Total special assessments	23,112
Total gross levies and assessments	1,712,825
Less property relief money	
Senior citizens	(5,390)
Game Commission	---
Total net ad valorem levies	1,684,323
Net ad valorem taxes by class	
Real property	1,198,942
Personal property	305,618
Utility property	179,764

SOURCE: Oregon State Department of Revenue, Summary of Assessment and Tax Rolls for the 1971-72 Fiscal Year and 1969-70 and 1970-71 Property Tax Collections, Research and Special Services Division, 1972.

Table 94. City Valuation, Tax Rates and Taxes Extended in Lake County for 1971-72 Fiscal Year

Item	Lakeview	Paisley
Population	2,705	260
True cash value (TCV)	$16,999,961	$810,453
Per capita TCV	6,285	3,117
City tax	187,000	11,889
Consolidated tax	507,619	21,785
Per capita tax		
City	$ 69	$ 46
Consolidated	188	84
Percentage of total levy		
County	9.0	10.0
City	36.8	54.6
School	45.5	25.7
Other	8.7	9.7
Average rate/$TCV basis		
County	2.69	2.69
City	11.00	14.67
School	13.56	6.91
Other	2.61	2.61
Total	29.86	26.88

SOURCE: Oregon State Department of Revenue, Summary of Assessment and Tax Rolls for the 1971-72 Fiscal Year and 1969-70 and 1970-71 Property Tax Collections, Research and Special Services Division, 1972.

Table 95. Amount and Percent of Unpaid 1970-71 Property Tax, As of June 30, 1971, Lake County

Item	Total Amount	Amount Unpaid	Percent Unpaid
Property taxable			
Real	$1,107,938	$199,745	18.0
Personal	283,729	28,523	10.1
Public utilities	148,793	8,094	5.4
Western Oregon additional timber tax	---	---	---
Yield tax	---	---	---
Other	2,420	---	---
Total for collection	$1,542,880	$236,362	15.3

SOURCE: Oregon State Department of Revenue, Summary of Assessment and Tax Rolls for the 1971-72 Fiscal Year and 1969-70 and 1970-71 Property Tax Collections, Research and Special Services Division, 1972.

Selected List of Agencies

The following list gives names and addresses of agencies that have served as data sources for this publication and may provide further or more current data on subjects of interest.

In addition, a number of local and county offices are available to offer local information and assistance, including:

Agriculture Stabilization and Conservation
Assessor
City Library
Corrections and Parole
County Engineer
County Extension
County Surveyor
Employment Division
Game Commission
Health Department
Public Welfare
Soil Conservation Service

1. Bureau of Business and Economic Research, University of Oregon, Eugene, Oregon 97403

2. Center for Population Research and Census, Portland State University, 724 S.W. Harrison, Portland, Oregon 97201

3. Children Services Division, Oregon State Department of Human Resources, Public Services Building, Salem, Oregon 97310

4. Department of Environmental Quality, 1234 S.W. Morrison, Portland, Oregon 97204

5. Economic Research Service, U.S.D.A. Extension Hall, Oregon State University, Corvallis, Oregon 97331

6. Extension Service, Oregon State University, Corvallis, Oregon 97331

7. Fish Commission of Oregon, 1400 S.W. 5th St., Portland, Oregon 97201

8. 4-H Youth Office, Extension Hall, Oregon State University, Corvallis, Oregon 97331

9. Forest Service, U.S.D.A., 319 S.W. Pine St., Portland, Oregon 97204

10. Governor's Office, Economic Development Special Projects, State Capital Building, Salem, Oregon 97310

11. Local Government Relations Division, Oregon Executive Department, 240 Cottage S.E., Salem, Oregon 97310

12. Oregon Association of Broadcasters, Allen Hall, University of Oregon, Eugene, Oregon 97403

13. Oregon Board of Higher Education, School Finance and Statistical Services, 942 Lancaster Dr. N.E., Salem, Oregon 97310

14. Oregon Department of Geology and Mineral Industries, 1400 S.W. 5th St., Portland, Oregon 97201

15. Oregon Educational Coordinating Council, 4263 Commercial S.E., Salem, Oregon 97310

16. Oregon State Department of Revenue, State Office Building, Salem, Oregon 97310

17. Oregon State Employment Division, Community Manpower, Research and Statistics, or Rural Manpower Sections, Labor and Industries Building, Salem, Oregon 97310

18. Oregon State Game Commission, 1634 Alder, Portland, Oregon 97214

19. Oregon State Health Division, Department of Human Resources, 1400 S.W. 5th, Portland, Oregon 97201

20. Oregon State Highway Division, State Parks and Recreation Section, 8009 E. Burnside, Portland, Oregon 97215

21. Oregon State Lands Division, 502 Winter N.E., Salem, Oregon 97310

22. Oregon State Library, State Library Building, Salem, Oregon 97310

23. Oregon State Public Welfare Division, Department of Human Resources, Public Services Building, Salem, Oregon 97310

24. Pacific Northwest Forest and Range Experiment Station, U.S. Forest Service, 809 N.E. 6th St., Portland, Oregon 97232

25. Secretary of State's Office, State Capital Building, Salem, Oregon 97310

26. Soil Conservation Service, U.S.D.A., 1218 S.W. Washington, Portland, Oregon 97205

27. State Water Resources Board, 1158 Chemeketa N.E., Salem, Oregon 97310

28. U.S. Department of Commerce, 921 S.W. Washington, Portland, Oregon 97204 (for copies of U.S. Census publications)

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4. Center for Population Research and Census, Population Estimates of Counties and Incorporated Cities of Oregon, Portland State University, July 1972.

5. Legislative Fiscal Committee, Inventory of State-Owned Real Property, By County, Sec. 7, 115 State Capital, Salem, Oregon, 1970.

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8. Office of the Governor, Planning Division, Health Facts, 1969.

9. Oregon Association of Broadcasters, Directory of Radio and Television Stations for the State of Oregon, 1972.

10. Oregon Board of Higher Education, 1969 School Directory and 1971-72 Oregon School-Community College Directory, School Finance and Statistical Services.

11. Oregon Conservation Needs Committee, Oregon Soil and Water Conservation Needs Inventory, U.S.D.A. Soil Conservation Service and Oregon State University Extension Service, 1971.

12. Oregon Department of Planning and Development, Resources for Development, 1964.

13. Oregon Educational Coordinating Council, Post Secondary Enrollment in Oregon, An Analysis of the Statewide Student Enrollment Data Survey, 1972.

14. Oregon State Board of Census, Components of Population Growth, Population Bulletin P-3, 1961.

15. Oregon State Board of Health, Oregon Plan for Construction and Modernization of Hospitals, Public Health Centers and Medical Facilities, 1971 Annual Revision, Health Facility Planning and Construction Section, 1971.

16. Oregon State Department of Employment, 1965 Oregon Farm Labor Report, 1966.

17. Oregon State Department of Environmental Quality, Water Quality Control In Oregon, Oregon Sanitary Authority, 1970.

18. Oregon State Department of Human Resources, Children Services Division, Adolescent Population and Commitment Data by County, by Calendar Year 1967-1970.

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22. Oregon State Department of Human Resources, Oregon Public Welfare Division, Public Welfare in Oregon, various editions.

23. Oregon State Department of Human Resources, Oregon State Health Division, Implementation and Enforcement Plan for the Public Waters of the State of Oregon, Oregon Sanitary Authority, Portland, Oregon, 1967.

24. Oregon State Department of Human Resources, Oregon State Health Division, Vital Statistics Annual Report, Vital Statistics Section, 1971.

25. Oregon State Department of Revenue, First Biennial Report 1968-70.

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27. Oregon State Department of Transportation, State Highway Division, "Day Visitor Attendance", State Parks and Recreation Section, 1972.

28. Oregon State Department of Transportation, State Highway Division, "Overnight Camping by the Public", State Parks and Recreation Section, 1972.

29. Oregon State Department of Transportation, State Highway Division, "The State Park Visitor in Oregon", State Parks and Recreation Division.

30. Oregon State Executive Department, Clay Myers, Secretary of State, Oregon Blue Book, 1973-74, January 1973.

31. Oregon State Executive Department, Economic Development Division, Directory of Oregon Manufacturers - 1970.

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Extension Service, Oregon State University, Corvallis, Joseph R. Cox, director. This publication was produced and distributed in furtherance of the Acts of Congress of May 8 and June 30, 1914. Extension work is a cooperative program of Oregon State University, the U. S. Department of Agriculture, and Oregon counties.