

RESOURCE

NATURAL

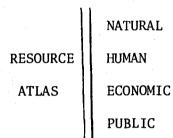
- HUMAN
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APRIL 1973

EXTENSION Community Development PROJECT

OREGON STATE UNIVERSITY

Wheeler County, Oregon

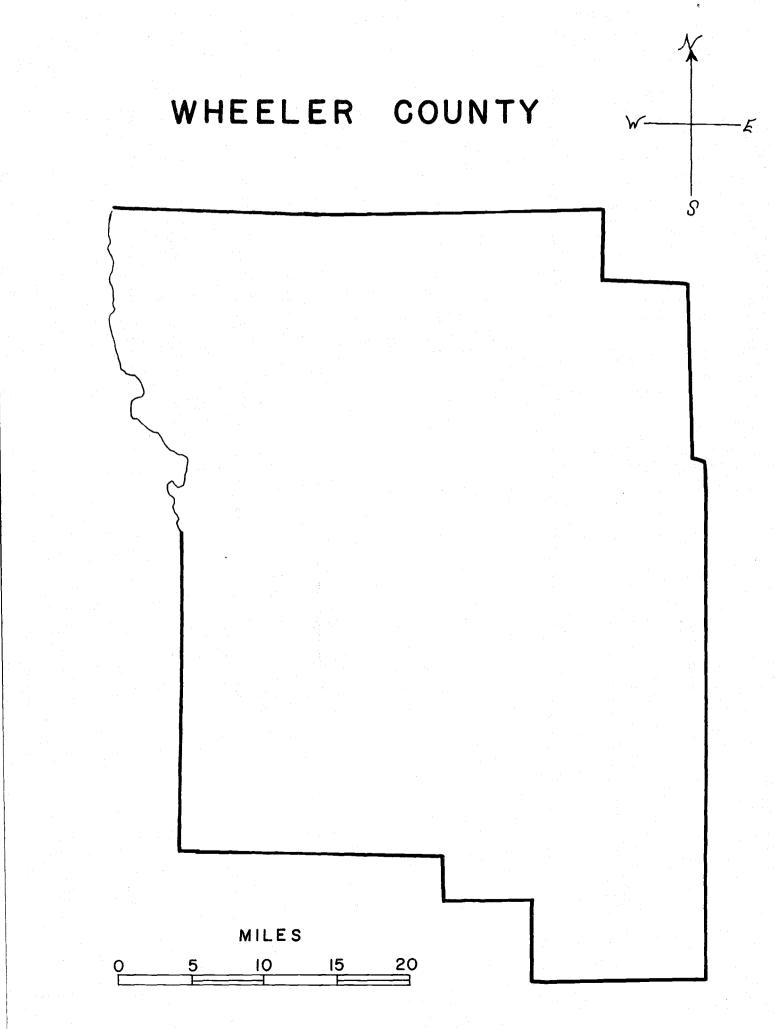


April 1973

Oregon State University Extension Service

Prepared by Ron Scharback, 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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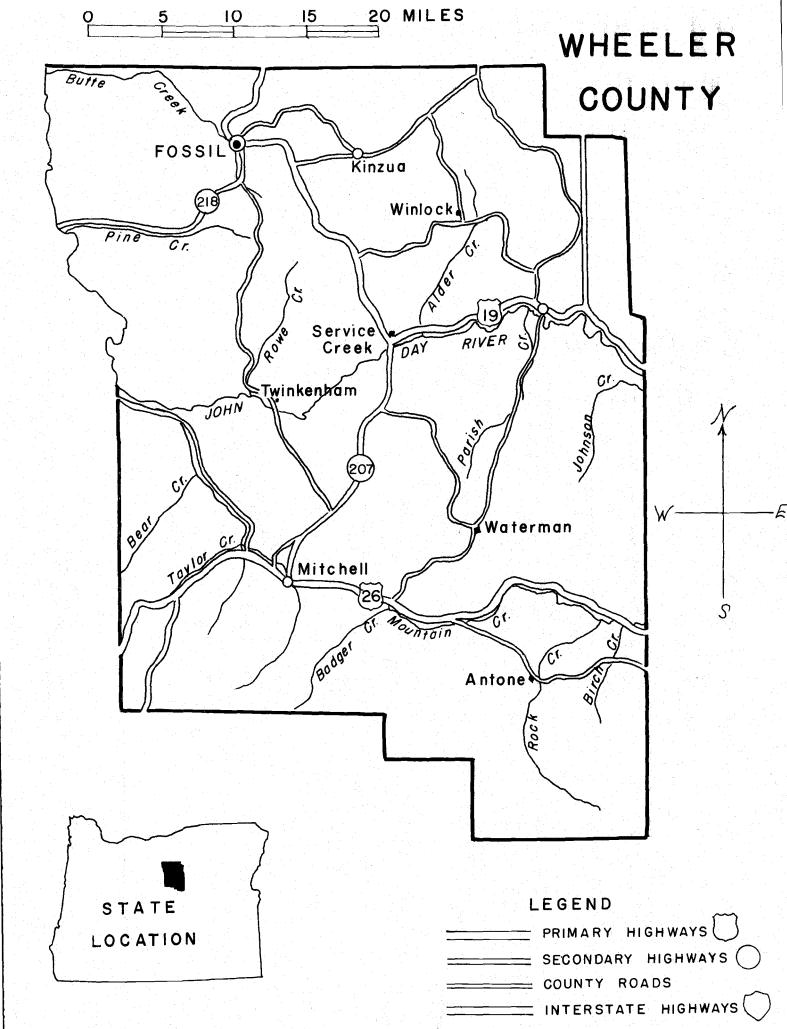


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GENERAL DESCRIPTION

Wheeler County is located on the eastern side of the Cascade Mountains in Central Oregon. It is bordered on the west by Jefferson, Crook, and Wasco counties, on the south by Crook, on the north by Gilliam and on the east by Grant County. The county has a total area of 1,707 square miles.

The county's population of 1,849 is spread over 1.1 million acres. All of the county is listed as rural in the census and a 32% decline in population occurred between 1960 and 1970.

Gently rolling hills and severely dissected land forms along the John Day River characterize the county. About 3/4 of the land is privately owned with the rest being principally Federal lands. These Federal lands are mostly forests with ponderosa pine occupying 56% of the area. More than half the commercial forest land in the county is privately owned.

The county was created on February 17, 1899 by an act of the Legislature from parts of Grant, Gilliam and Crook counties. It is named for Henry Wheeler who operated the first stage line through the county in 1864. Permanent settlers began arriving in the area that is now Wheeler county in 1863. The first Post Office opened in 1867. The first school opened in 1872 and in 1876 discovery was made of the bones of a prehistoric animal. Since that date the fossil beds have yielded much of the history of life that existed millions of years ago. A brief summary of the facts about Wheeler County is listed below.

Area: 1,707 square miles 1,092,480 acres

Elevation at Fossil: 2,654 feet

Average Temperature: Summer - 65.4 Winter - 37.4 Population: 1,820 (1972)

True Cash Value: \$24,601,255 (1971)

Principal Industries: Agriculture, Livestock, Lumbering

County Seat: Fossil

SOURCE: Oregon State Executive Department, Clay Meyers, Secretary of State, Oregon Blue Book, 1971-72, January 1971; Oregon State University Extension Service, <u>Agriculture in Oregon Counties-Farm Sales and General Characteristics</u>, Special Report 330, Oregon State University, 1972.

PHYSICAL ASPECTS

Climate

| Table 1. Temperature and Precipitation, Wheeler County, By Month 1971 | Table 1. | Temperature | and Preci | pitation, | Wheeler | County, | By Month | 1971 |
|---|----------|-------------|-----------|-----------|---------|---------|----------|------|
|---|----------|-------------|-----------|-----------|---------|---------|----------|------|

| Station | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | 0ct | Nov | Dec | Annua1 |
|------------------------|------|-----|--------------|------|--------------|-------|---|-------|--------------|------|---|--------------|--------------|
| Average Temperature | | | | | | degre | es Far | enhei | t | | • •• • | | |
| Fossil | 1 | | | | 50.5 | | | | 51.9 | | | | 46.4 |
| Mitchell Spray | | | | | 54.9 59.4 | | $\begin{array}{c} 68.9 \\ 74.1 \end{array}$ | | 53.5 60.3 | | 1. S. | 33.4 34.5 | 48.4 52.7 |
| Total Precipitation | | | - <u>-</u> . | | | in | ches - | | | | | | |
| Fossi1 | 1.43 | .54 | 1.31 | 1.15 | 2.07 | .45 | .28 | .56 | .59 | 1.34 | 2.28 | 1.35 | 13.35 |
| Mitchell | 1.28 | .19 | 1.16 | 1.14 | .92 | .99 | .64 | . 25 | .41 | 1.32 | 2.00 | 1.35 | 11.65 |
| Spray | 2.04 | .87 | 1.71 | 1.15 | 1.62 | .76 | .75 | . 20 | .67 | 2.22 | 2.92 | 3.38 | 18.29 |

SOURCE: U.S. Department of Commerce, National Oceanic & Atmospheric Administration, Environmental Data Service, <u>Climatological Data Annual Summary 1971, Oregon</u> Vol.77, No. 13.

Table 2. Spring-Fall, 1971, Freeze Temperature Data, Wheeler County

| Station | | 20 ⁰ | 24 ⁰ | 28 ⁰ | 32 ⁰ |
|---------------|--------------------------|-----------------|-----------------|-----------------|-----------------|
| | 16 ⁰ or below | 20 | 24 | 28 | 32 |
| Fossil | 3/20-10/28 | 4/12-10/17 | 5/17-9/17 | 6/29-7/7 | 6/30-7/3 |
| Mitchell | 1/12-10/28 | 3/2-10/16 | 3/19-10/16 | 5/17-10/14 | 5/20-9/18 |
| Sp ray | 2/7-10/29 | 3/18-10/28 | 3/19-10/28 | 4/28-10/14 | 5/30-9/17 |

Table 3. Temperature Averages By Month, Wheeler County, 1951-1960

| Station | No. of Years | Jan | Feb | Mar | Apr | May | Jun | Ju1 | Aug | Sep | 0ct | Nov | Dec | Annua 1 |
|----------------------------------|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Mean Daily Max. Temp. | 4 | | · · · · · · | | | degr | ees Fa | arenh | eit - | | | _ ~ | - | |
| Fossil | $\frac{\operatorname{Per}\frac{1}{2}}{\operatorname{Rec}} \frac{8}{12}$ | 41.3 40.1 | 46.0 45.7 | 50.5 50.7 | 60.0 59.7 | 68.4 67.9 | 74.5 74.1 | 86.4 86.0 | 83.1 83.4 | 76.8 76.7 | 66.0 64.7 | 50.4 50.4 | 44.6 44.4 | 62.3 62.0 |
| Mitchell | | 42.5 42.5 | 46.5 46.4 | | | | 75.5 | | | | | | | |
| Spray | Per Rec | | ar an | | | | | | | | · | _ ~ | | |
| Mean Daily <u>Min. Temp</u> . | | | | •,• | | deg | rees l | Farenl | heit · | | | | | `` |
| Fossil | | 22.9 21.2 | 26.2 25.6 | | | | 40.5 41.0 | | | | | | | |
| Mitchell | | 24.7 24.3 | 27.0 27.2 | | | | 45.6 45.9 | | | | | | | |
| Spray | Per Rec | ÷- | | , | | | | | | | | | | · <u> </u> |

1/ Per indicates the period or number of years the data were gathered.
 2/ Rec is the number of records or how many times the data were recorded at the station.
 SOURCE: U.S. Department of Commerce, <u>Climatic Summary of the United States Supplement</u> for 1951-1960, Oregon, Washington D.C., 1965.

<u>Soils</u>^{1/}

Wheeler County is made up of numerous soil types. Because of the extreme variety of soil types, the only ones discussed below will be those which make up 1% of the land area or more.

The Anatone series consists of shallow, well-drained, very stony soils formed over weathered basalt. They occur on nearly level to steep uplands at elevations of 3,800 to 5,000 feet under an annual precipitation of 16 to 20 inches. The mean annual air temperature centers around 43° F. and the growing season is less than 90 days.

The Board Tree series consists of deep, well-drained soils formed in pumice ash over old waterlaid sediments on upland slopes at 4,200 to 5,000 feet elevation. The soil occurs on steep, north-facing slopes

1/ Oregon State Water Resources Board, Oregon's Long Range Requirements for Water, John Day Drainage Basin, 1969. For further information on soils and maps of their exact location in Wheeler County see this source and Oregon Conservation Needs Inventory Committee, Oregon Soil and Water Conservation Needs Inventory, Jan. 1971. and nearly level areas at higher elevations. The mean annual precipitation is 16 to 20 inches and annual air temperature is around 43°. The growing season is less than 90 days.

The Dayville series consists of deep, somewhat poorly drained soils formed in alluvium on stream bottoms. They have silt surface soils of loam or sandy loam subsoils. They occur on alluvial flood plains at elevations of 2,200 to 3,500 feet under an annual precipitation of 11 to 15 inches. The mean annual air temperature centers around 48 and the average growing season ranges from 100-125 days. Poor drainage restricts the use of Dayville soil to irrigated hay and pasture.

The Fopiano series consists of shallow, well-drained soils over weathered volcanic tuff, with firm subsoils. They occur in high mountain valleys at elevations of 3,800 to 4,600 feet with an annual precipitation of 13 to 16 inches. The mean air temperature is 43° F. and the growing season is less than 90 days.

Ginser soils are moderately deep, well-drained soils formed over tuff or fractured igneous bedrock. These soils occur at elevations of 3,000 to 4,000 feet with a mean annual precipitation of 13 to 16 inches on the steep, north-facing slopes in western Wheeler County. The growing season ranges from 90 to 120 days with the mean annual temperature around 49° F.

The Gwin series consists of very stony, shallow, well-drained moderately fine textured soils over basalt bedrock. They are formed on gently to very steep, south-facing slopes with annual rainfall of 13 to 16 inches. The mean air temperature centers around 47° F. and the growing season is from 90 to 120 days.

The Hall Ranch soils are moderately deep and well-drained and formed over igneous rock. They occur at elevations between 4,200 and 5,000 feet and precipitation ranges from 16 to 20 inches. The mean annual temperature is 43° with a growing season of less than 90 days.

The Hankins series consists of deep, well-drained soils formed over waterlaid sediments. They occur on gently sloping to very steep uplands with elevations ranging from 4,200 to 5,200 feet. The average annual rainfall is between 17 and 24 inches with a mean temperature of 43° and a growing season of less than 90 days.

The Izee series is made up of deep, well-drained upland soils formed over shale. They occur on steep north-facing slopes at elevations of 3,800 to 5,000 feet with annual precipitation of 13 to 16 inches. The mean annual air temperature is 42° with a growing season of about 90 days.

The Klicker soils are moderately deep, well-drained upland soils formed over basalt. They are found on gentle to very steep slopes between 4,200 and 5,000 feet elevation. The mean annual air temperature is 43° with 16 to 20 inches precipitation and a growing season less than 90 days.

Laycock soils are moderately deep, well-drained upland soils formed over finely fractured shale. They occur at elevations of 4,200 to 5,000 feet under an annual precipitation of 16 to 20 inches. The mean annual air temperature centers around 43° and the growing season is less than 90 days.

The Lickskillet series consists of shallow, stony, well-drained soils formed over basalt bedrock. They occur on steep and very steep south-facing slopes between 1,200 and 3,000 feet elevation under an annual precipitation of 10 to 13 inches. The mean annual air temperature centers around 50° F. with a growing season over 150 days.

Ridgeway and Day series consist of deep, well-drained, fine textured soils formed over waterlaid sediments. They occur at elevations of 1,500 to 3,200 feet under a mean annual precipitation of 11 to 14 inches on gentle to steep slopes. The growing season ranges from 100 to 130 days with a mean air temperature of 50° F.

The Rock Creek series consists of very shallow, very stony, welldrained soils over basalt bedrock. They occur at elevations of 3,000 to 4,500 feet under an annual precipitation of 13 to 16 inches. The mean annual air temperature is 47° F. and the growing season lasts from 100-120 days.

Simas soils are very limited in use and are used almost entirely for range. They consist of deep, fine textured, well-drained soils formed in old waterlaid sediments. The elevations range from 1,600 to 4,000 feet and mean annual precipitation ranges from 12 to 16 inches. The mean air temperature is 49° and the growing season lasts 100-130 days.

Sorefoot soils are deep, fine textured soils formed over old, unconsolidated waterlaid sediments. They occur on steep uplands at elevations from 1,300 to 2,800 feet under mean annual precipitation of 10 -13 inches. The growing season is relatively long at 120 to 150 days, and the mean annual air temperature is about 50° F.

Tolo soils consist of deep, well-drained soils formed from ash and older, buried soil materials. The annual precipitation is 17-25 inches and they are found on north and east-facing slopes at elevations of 4,200 to 5,000 feet. The mean annual air temperature is 43° with the growing season less than 90 days.

The Tub series is made up of moderately deep, well-drained soils over old unconsolidated sediments. They occur on gentle to very steep north-facing slopes at elevations of 3,000 to 4,000 feet under a mean annual precipitation of 13 to 16 inches. The mean annual temperature centers at 49 $^{\circ}$ F. and the growing season is 100-130 days.

The Ukiah series of soils are moderately deep, well-drained soils formed over volcanic tuff bedrock. They occur on gently sloping to

steep uplands at elevations of 3,000 to 4,000 feet under a mean annual precipitation of 13 to 18 inches. The growing season is 90-110 days and the mean annual air temperature is 47° F.

| Soil Series | Phase Symbol | Acreage (1,000) |
|---|--------------|--------------------|
| Anatone | An 2,3 | 3.7 |
| · · · · · · · · · · · · · · · · · · · | An 4 | 1.7 |
| • | An 5,6 | 20.6 |
| Bakeoven-Condon | BaCd 2,3 | 2.3 |
| Board Tree | Bd 2 | .8 |
| | Bd 4 | 1.9 |
| | Bd 5,6 | 11.5 |
| Condon | Cd 2,3,4 | 1.6 |
| Courtrock | Ct 1,2 | 1.0 |
| | Ctx 2,3 | .1 |
| (Cp) | Cp 5,6 | 2.1 |
| Current | | 2.8 |
| Dayville | Dy | .4 |
| (Do) | Do 4 | 1.1 |
| • | Do 5,6 | 10.6 |
| Fopiano | Fb 2,3 | 18.5 |
| , | Fb 4 | 9.0 |
| • • • • • • • • • • • • • • • • • • • | Fb 5,6 | 22.1 |
| Sinser | Gs 6 | 10.7 |
| Gwin | Gw 2,3 | 11.0 |
| • | Gw 4 | 23.7 |
| • | Gw 5,6 | 69.9 |
| Hack | Hk 2 | .1 |
| Hack Variant | Hv 2,3 | 4.9 |
| lall Ranch | Hr 2,3 | 5.9 |
| · · · · · · · · · · · · · · · · · · · | Hr 4 | 3.4 |
| | Hr 5,6 | 14.5 |
| lankins | Ha 2,3 | 4.6 |
| | Ha 4 | 8.2 |
| • | Ha 5,6 | 40.3 |
| Hankins, north aspect | Han 4,5,6 | 10.9 |
| [z ee | Iz 4,5 | 17.9 |
| (imberly | Km | 4.7 |
| (licker | K1 2,3,4,5,6 | 89.4 |
| (licker, north aspect | Kln 5,6 | 1.3 |
| Laycock | | 5.9 |
| Laycock, variant rocky | | 3.9 |
| Lickskillet | | 116.5 |
| Marsden | Ma 1,2 | 1.6 |

Table 4. Acreage of Soil Series or Land Types, Wheeler County

SOURCE: State Water Resources Board, Oregon's Long Range Requirements for Water, John Day Drainage Basin, 1969.

| Soil Series | Phase Symbol | Acreage (1,000) |
|-------------------|--------------|--------------------|
| Morrow | Mo 3 | 2.0 |
| Ridgeway & Day | Rd 3,4,5 | 36.1 |
| Ritter | Rt 2,3 | 3.5 |
| Ritzville | Rv 2,3 | 1.0 |
| Rock Creek | Rc 2,3,4,5,6 | 44.0 |
| Scabland-Biscuit | SB | 4.0 |
| Schrier | Sz 2,3 | 1.4 |
| (Sq) | Sq 1,2 | 1.9 |
| Silvies | Si, Sih | 1.4 |
| Simas | Sm 3,4 | 4.7 |
| Simas, very stony | Smx 3,4,5,6 | 96.6 |
| Sne11 | Sn 4,5,6 | 7.7 |
| Sorefoot | Sr 5,6 | 65.0 |
| Tolo | To 2,3,4,5,6 | 48.1 |
| Tub | Tu 2,3,4,5,6 | 66.2 |
| Ukiah, ext. stony | Ukx 2,3,4,5 | 14.1 |
| Utley | Ut 2,3,4 | 2.8 |
| Veazie | Ve | • 2 |
| Waha | Wy 2,3,4,5,6 | 1.9 |
| Wrentham | Wr 5,6 | 4.2 |

Table 4, cont. Acreage of Soil Series or Land Types, Wheeler County

SOURCE: State Water Resources Board Oregon's Long Range Requirements for Water, John Day Drainage Basin, 1969.

Soil Characteristics and Land Capability

Oregon's land varies widely in its capability for agricultural use. Because of this a capability classification system has been developed that is intended to show their suitability for most kinds of farming.

The classes are based on limitations of the soil, damage when they are used, and way in which they respond to treatment. The classes are designated by Roman Numerals I through VIII with number I having the least number of limitations and number VIII having the most.

The classes are divided into subclasses designated e, w, s, or c. The subclasses indicate the major limiting factor of the particular soil. The letter e shows that the main limitation is erosion, w shows that water in or on the soil interferes with plant growth or cultivation; s indicates the soil is limited mainly because it is stony, shallow or droughty; and c shows that the chief limitation is climate, either too cold or too dry.

| Capability Class | Cropland | Pasture-Range | Forest | Other | Tota1 |
|------------------|----------|---------------|---------|-------|---------|
| II | 5,131 | 1,554 | | 1,972 | 8,657 |
| III | 33,734 | 23,206 | 5,529 | 320 | 62,798 |
| IV | 2,578 | 777 | | 2,141 | 5,496 |
| VI | | 101,012 | 210,566 | 100 | 311,678 |
| VII | | 282,755 | 150,905 | 5,662 | 439,322 |

Table 5. Use of Wheeler County Inventory Acreage by Capability Class, 1967

Needs Inventory, U.S. Soil Conservation Service, 1971.

Table 6. Land Area and Use of Inventory Acreage, Wheeler County, 1967

| Use | Acres | |
|------------------------|-----------|--|
| | | |
| nventory Acreage | 41 447 | |
| Cropland | 41,443 | |
| Pasture | 500 | |
| Range | 408,804 | |
| Forest | 367,000 | |
| Other Land | 10,195 | |
| otal Land in Inventory | 827,942 | |
| on-Inventory Acreage | | |
| Federal Land | 254,505 | |
| Urban and Built-up | 6,748 | |
| Small Water Areas | 3,285 | |
| otal Non-Inventory | 264,538 | |
| otal Land Area | 1,092,480 | |

Needs Inventory, U.S. Soil Conservation Service, 1971.

Land Ownership

Wheeler County's land area is classified in this report as public, which includes federal, state, county or locally owned lands; or private lands. About 24% of the county is made up of federally owned land and .6% is state owned. The following tables give information on land ownership, value and income of public lands in Wheeler County.

| | Dept of | Division of | Highway Div | vision | · · · · · · · · · · · · · · · · · · · |
|-----------------------|----------|-------------|-------------------------|----------|---------------------------------------|
| Item | Forestry | State Lands | Office & Maintenance | Parks | County Total |
| Acres | 4.41 | 4,030.50 | 2.95 | 493.20 | 4,531.06 |
| Land Value | \$441 | \$166,120 | \$3,829 | \$7,624 | \$178,014 |
| Improvement Value | \$50,750 | | \$31,957 | \$26,438 | \$109,145 |
| Total Value | \$51,191 | \$166,120 | \$35,786 | \$34,062 | \$287,159 |
| Annual Rental Income. | \$564 | | \$540 | | \$1,104 |
| Taxes Paid | | | | | |
| Surplus Property | | | | | |
| Acres | | | | | |
| Value | | | | | |
| | l l | | | | |

Table 7. Inventory of State-Owned Real Property, Wheeler County, 1970

SOURCE: Legislative Fiscal Committee, Inventory of State Owned Real Property, Section 7, 115 State Capital, Salem, Oregon

| Table | 8. | State | Land | Ownership, | Wheeler | County |
|-------|----|-------|------|------------|---------|--------|
|-------|----|-------|------|------------|---------|--------|

| lighway Commission | 2,637 | |
|--------------------|-------|--|
| and Board | | |
| Tota1 | 6,587 | |

| Agency | Acres | |
|-------------------------------|-----------|--|
| Administering Agents | | |
| Agricultural Research Service | 165,021 | |
| Federal Aviation Agency | | |
| Public Domain | | |
| Bureau of Reclamation | 3,529 | |
| Total Federal Land | 258,239 | |
| Total Area | 1,092,480 | |
| Percent in Federal Area | 23.6% | |
| | | |

Table 9. Federal Land Ownership by Agency, Wheeler County

SOURCE: Carolan, W.B. Jr., Federal Land Oregon, Oregon State University, 1963.

Table 10. Land area in Highways, Streets and Roads, Wheeler County

| Item | Acres | |
|----------------|-------|--|
| State Highways | 1,810 | |
| County Roads | 3,640 | |
| City Streets | 55 | |
| Tota1 | 5,505 | |

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

Land Use

Table 11. Land Use Analysis Wheeler County

| Use | Acres | True Cash Value Per Assessor Roll | Average Value Per Acre | | |
|--------------------------------|------------------|--------------------------------------|---------------------------|--|--|
| | | (1,000) | L | | |
| Urban | | A A A | ¢ 0.00 | | |
| Business, etc | 50 | \$ 41 | \$ 820 | | |
| Residential Rents | 350 | \$ 180 | \$ 514 | | |
| Quasi-Private Hospital. | 63 | \$ 44* \$ 176* | \$ 698* | | |
| Public Roads, etc | 271 | | \$ 650* | | |
| Total | 734 | \$ 441 | \$ 601 | | |
| Rurban | | | | | |
| Business | | | | | |
| Residentia1 | 18 | \$ 9 | \$ 500 | | |
| Agriculture | (1,698) | \$ (41) | \$ (24) | | |
| Quasi-Private | 5 | | | | |
| Public Roads, etc | 45 | \$ 1 | \$ 122 | | |
| Total Less Misc | 68 | \$ 10 | \$ 147 | | |
| Agricultural Grazing | | | | | |
| | 657 777 | ¢ ∩ 880 | \$ 15 | | |
| Private Inventory | 657,733 1,698 | \$ 9,880 | \$15 \$24 | | |
| | · · | \$ 40 | \$24 \$15 | | |
| Outlying | 656,035 | \$ 9,839 | \$ 15 | | |
| Allocation | 6.05 | # 10 F | ¢ 200 | | |
| Residential-Rent | 625 | \$ 125 | \$ 200 | | |
| Best | 7,000 | \$ 1,400 | \$ 200 | | |
| Average | 40,000 | \$ 2,255 \$ 6,100 | \$ 55 | | |
| Poor | 610,108 | | \$ 10 | | |
| Public Inventory Allocation | 179,128 | \$ 1,795 | \$ 10 | | |
| Outlying | 177,162 | \$ 1,771 | \$ 10 | | |
| Roads, etc | 1,966 | \$ 24 | \$ 12 | | |
| Tota1 | 836,861 | \$ 11,675 | \$ 14 | | |
| Forest | | | | | |
| Private Inventory | 166,280 | \$ 2,000 | \$ 12 | | |
| Allocation | 100,200 | Ψ 2,000 | * 14 | | |
| Residential-Rent | 50 | \$5 | \$ 100 | | |
| Outlying | 166,230 | \$ | \$ 100 \$ 12 | | |
| Public Inventory | 88,457 | \$ 1,995 | \$ 12 \$ 12 | | |
| Allocation | 00,437 | φ Ι,004 | ΨΙΔ | | |
| Outlying | 86,491 | \$ 1,040 | \$ 12 | | |
| Roads | | | \$ 12 \$ 12 | | |
| | 1,966 | • | \$ 12 | | |
| Tota1 | 254,737 | \$ 3,064 | φιζ | | |
| Total Land | 1,092,400 | \$ 15,190 | \$ 14 | | |

* Tax exempt

SOURCE: Oregon Department of Revenue, unpublished data compiled by Waldo Carlson.

| Use | Wheeler Cour | nty perce | Oregon nt |
|-----------------------|---------------|--------------|--------------|
| Urban | | | . 49 |
| Industrial | | | .16 |
| Military | | | .10 |
| Intensive Agriculture | .40 | | 6.52 |
| Dryland Farming | e and and and | | 3.33 |
| Forests | 30.51 | | 44.84 |
| Parks | | | .32 |
| Conservation | | | 2.25 |
| G ra zing | 69.09 | | 41.50 |
| Non-Productive Land | | | .49 |
| Total Land Area | 100.00 | | 100.00 |

Table 12. Land Use in Oregon and Wheeler County, 1964

SOURCE: Oregon Department of Planning and Development, <u>Resources for</u> Development, March 1964.

Agricultural Land

Table 13. Agricultural Land, Wheeler County

| Item | Acres | Percentage |
|-----------------------|-----------|------------|
| Fotal Land Area | 1,092,480 | - |
| Proportion in Farms | | 66.8 |
| Acres in Farms | 792,780 | 100.0 |
| Total Cropland | 37,892 | 4.8 |
| Harvested Cropland | 16,241 | 2.1 |
| Cropland Pasture | 7,398 | .9 |
| All Other Cropland 1/ | 14,253 | 1.8 |
| Woodland | 124,112 | 15.7 |
| A11 Other Land 2/ | 567,776 | 71.6 |
| Irrigated Land | 6,881 | .9 |

1/ includes cropland used for soil improvement crops, crop failure, cultivated summer fallow, and idle cropland.

2/ includes pastureland other than cropland and woodland pasture, rangeland, and land in house lots, barn lots, ponds, roads, wasteland, etc.

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

Forest Land

| | Table 14. | Forest Acreage | Statistics, | Wheeler | County, | 1968 |
|--|-----------|----------------|-------------|---------|---------|------|
|--|-----------|----------------|-------------|---------|---------|------|

| Item | Acres (1,000) | Percent |
|------------------------|------------------|---------|
| Land | | |
| Total Land | 1,093 | 100 |
| Forest Land | 507 | 46 |
| Commercial | 312 | 29 |
| Non-Commercial | 195 | 17 |
| Productive | 2 | |
| Non-Productive | 193 | 17 |
| Non-Forest Land | 586 | 54 |
| Dwnership | | |
| Commercial Forest Land | 312 | 100 |
| Private | 170 | 54 |
| Forest Industry | 80 | 25 |
| Farmer & Misc. Private | 90 | 29 |
| Public | 142 | 46 |
| National Forest | 133 | 43 |
| Bureau of Land Mgnt | 9 | 3 |
| 0ther | | |
| Stand Size Classes | | |
| Commercial Forest Land | 312 | 100 |
| Non-Stocked Areas | 7 | 2 |
| Seedlings & Saplings | 17 | 6 |
| Pole Timber | 66 | 21 |
| Saw Timber | 222 | 71 |
| Small (11.0"-20. ") | 180 | 58 |
| Large (21" +) | 42 | 13 |

SOURCE: Pacific Northwest Forest and Range Experiment Station, U.S. Forest Service, Resource Bulletin PNW-24.

| Item | Millions of Board Feet | Percent |
|----------------------------|---------------------------|---------|
| Ownership | | |
| Total Commercial Sawtimber | 2,440 | 100 |
| Forest Industry | 315 | 13 |
| Farmer & Misc. Private | 197 | 8 |
| National Forest | 1,852 | 76 |
| Other Public | 76 | 3 |
| Species | | |
| Total Commercial Sawtimber | 2,440 | 100 |
| Softwoods | 2,440 | 100 |
| Douglas Fir | 601 | 25 |
| Grand Fir | 8 | |
| Sub Alpine Fir | 5 | |
| White Fir | 274 | 11 |
| Lodgepole Pine | 14 | 1 1 |
| Ponderosa Pine | 1,285 | 53 |
| Engelman Spruce | 47 | 2 |
| Western Larch | 206 | 8 |
| Hardwoods | | |

Table 15. Timber Volume Statistics, Wheeler County, $1968\frac{1}{}$

1/ Includes Gilliam County.

SOURCE: Pacific Northwest Forest and Range Experiment Station, U.S. Forest Service, Resource Bulletin PNW-24/

Water

The John Day River heads in the Blue Moutains and flows into the Columbia River at river mile 218. Its main branches are the North and South Forks. Other major tributaries, from the headwaters downstream to the Wheeler-Gilliam county line, include Canyon, Beech, Rock, Service and Bridge Creeks.

Principal tributaries of the North Fork are Desolation and Camas Creeks, the John Day Middle Fork, and Cottonwood Creek. Murderers Creek is the most significant of the South Fork tributaries. All the larger tributaries head in the Blue Moutains or the spurs extending west from the main range.

In general, the streams exhibit relatively steep gradients (100 to 300 feet of drop per mile) in their headwater section, followed by smaller gradients (20 to 40 feet per mile) in their valley areas. Many of the streams then increase in gradient to 100 feet per mile through their lower sections while a few continue to level off (under 10 feet per mile) as they near their mouths.

Flow characteristics of the John Day River are typical of rivers of semiarid regions. Extreme differences exist not only in seasonal flows but also in annual yields.

The estimated average annual yield of the John Day River at its mouth is 1,410,000 acre-ft for the period 1927 to 1960. This period was chosen for the determination of average annual yields and mean monthly discharges to facilitate the comparison of different stream systems.

The gage located farthest downstream, which measures runoff from 95% of the river basin area, is on the John Day River at McDonald Ferry. Records at this gage have been continuous since 1905. The average annual yield at this gage is 1,406,000 acre-ft for the base period 1927-1960. The lowest annual yield was 461,500 acre-ft, recorded in 1934, and highest 2,670,000 acre-ft in 1948.

The North Fork of the John Day River contributes the largest amount of water to the yield of the area. The average annual yield of the North Fork at its mouth is 910,000 acre-ft for the period 1927-1960, compared to an average annual yield of 420,000 acre-ft of the main stem of the John Day River above the North Fork. This means a net average annual yield of 345 acre-ft per square mile is contributed by the North Fork, compared to 200 acre-ft per square mile by the main stem above their confluence.

Subtracting the combined yield of the North Fork and main stem above their confluence from the yield of the John Day River at its mouth leaves a net average annual contribution of only 80,000 acre-ft, or 25 acre-ft per square mile, by the lower John Day sub-basin. The average annual yield of the entire basin is 180 acre-ft per square mile. These figures reflect primarily the differences in climate and topography of the individual sub-basins.

Extreme differences exist between seasonal flows on most streams in the area. Average monthly discharges of the John Day River at McDonald Ferry for the period 1927-1960 range from 156 cu. ft. per sec. (cfs) for September to 5,000 cfs for April. Similiar differences between monthly discharges can be observed on most streams of the area.

Flows on most larger streams reach their peaks in the months of April and May as a result of snowmelt combined with spring rains. They drop quite rapidly in the following months, and reach their lows in August and September as a result of naturally low flows and extensive depletions, the latter primarily in the form of irrigation diversions. There is no storage of significance in the area, so flows are largely the result of natural flow conditions altered by direct diversions from the streams.

The same pattern can be observed on most smaller streams, with slightly different timing on streams originating at higher elevations. These reach their peak flows later in the year, as late as June, mainly as a result of later snowmelt on their watersheds.

To date, no ground water studies have been made in the basin, and existing wells serving the sparse population are so few and widespread that no general pattern of ground water occurrence and yield has been developed. Therefore, the ground water potential of the basin is not established. It is known that the alluvial areas and the more broken or fractured basalt flows afford the best aquifers. Very meager ground water supplies are obtained from aquifers formed by the other rock types, principally volcanic, that make up much of the basin.

The yield and geographic distribution of ground water is governed mainly by precipitation, topography, and the infiltration characteristics of the various rock types. The average precipitation for the entire basin is estimated at approximately 19 inches per year. The topography is characterized by deeply incised streams and narrow river valleys, and varies from gently rolling plateaus with abrupt canyon slopes in the northern and central part to high mountains forming the southern and eastern perimeter of the basin.

The best known ground water source is the alluvium, particularly the gravels along the John Day River. This material is tapped by most of the wells in the area. The upper interflow zones of the more porous basalt flows form aquifers that are tapped by a number of municipal wells. Many springs, some used for municipal supplies, issue from these zones, where they have been exposed by erosion or faulting. Springs likewise issue from contact zones where lava flows rest upon impermeable eruptive material such as ash and tuff. These latter rocks generally yield only meager quantities of ground water.

Water for domestic purposes, which includes both small-scale human consumption and livestock use, is obtained from ground water, springs, and streams throughout the area. In general, springs are the predominant source of developed water for human consumption in the mountains, while shallow wells, with depths of usually not more than 30 feet, are the major source in the larger river valleys. Deep wells are found predominantly on the hills of the lower John Day River.

The total water quantities presently utilized for livestock purposes are unknown. However, it is estimated at less than 700 acre-feet is consumed.

Water rights for power total 128 cfs, but less than 50% of them have been used during recent years. Most small hydroelectric power plants in the area discontinued generation after cheaper power from outside the area began service.

The only major hydroelectric development existing at present is the Fremont power plant (Grant County) of the California Pacific Utilities Co. It obtains its water supply from Lake Creek, Lost Creek, and storage in Olive Lake, has an installed capacity of 1,000 kilowatts (kw), and had an average annual generation of five million kilowatt hours (kwh) during the 10 year period 1951-1960. During dry years, there is insufficient water to utilize available storage which results in a drop in power production at this plant.

The principal industrial water users in the area are lumber mills, which are scattered throughout. Most of these have their own sources of supply (wells, springs, or streams) and do not depend on community water systems. Small quantities of water are also used by a few dairies and slaughter houses.

Water Recreation

Acre-feet.....

542,300

Water-based recreation is limited, since streamflows are extremely low in the summer and fall months. There are only three lakes of significance: Magone, Strawberry, and Olive Lakes. The largest of these, Olive Lake, is only 150 acres in size. Magone and Strawberry Lakes and their facilities are over-crowded during summer weekends. Recreational use of Olive Lake is limited because of its remoteness, but it would have great potential for increased use if access roads were improved.

Water is not reserved for wildlife, and except for waterfowl and some furbearers, wildlife use of water is small. Waters of the John Day River system provide habitat for both anadromous and resident fish. Steelhead trout are the principal anadromous species, with spring and fall chinook and silver salmon being found in small numbers. Resident fish include rainbow, eastern brook, Dolly Varden, and cutthroat trout, kokanee salmon, whitefish, warmwater game fish, and scrap fish.

Water rights for fish total 17 cfs for the area. Of the total, 10 cfs is used by the Game Commission for the Canyon Creek Meadows Reservoir, 2 cfs for maintenance of the Bull Prairie Reservoir, and the remaining 5 cfs are for private fish propagation in ponds near Dayville. 1/

| | | ···· | | r | | | | | | | 1 | r |
|----------|----------|--------|--------|--------|---------|--------|--------|--------|-----------------|-----|-------|-------|
| Item | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep |
| Mean | 257 | 383 | 515 | 797 | 1,781 | 1,509 | 1,010 | 1,456 | 923 | 132 | 136 | 113 |
| Max | 448 | 502 | 1,780 | 1,380 | 5,300 | 2;490 | 1,200 | 2,150 | 2,020 | 337 | 352 | 197 |
| Min | 73 | 320 | 206 | 442 | 619 | 934 | 819 | 1,060 | 343 | 43 | 30 | 56 |
| Ac-Ft | 15,820 | 22,800 | 31,650 | 49,010 | 102,400 | 92,810 | 60,090 | 89;510 | 54 , 930 | 100 | 8,360 | 6,750 |
| Water Ye | ear 1968 | | | | | | | | | | | |
| Tota1 | cfs | | 273,39 | 93 | | | | | | | | |
| | 1 | | | 17 | | | | | | | | |
| | imum | | 5,30 | 00 | | | | | | | | |
| | mum | | • | 30 | | | | | | | | |

Table 16.Annual Yield of Streams in Wheeler County, Discharge in cfs, Water Year Oct.1967-Sept. 1968, John Day River at Service Creek, Oregon

SOURCE: U.S. Dept of the Interior, Geological Survey in cooperation with the State Engineer of Oregon, Water Resources Data for Oregon Part 1 Surface Water Records, 1968.

> 1/ State Water Resources Board, March 1962; U.S.D.A. and State Water Resources Board, Sept. 1961, John Day River Basin.

| Subbasin | Drainage Area | Annual Yield | Storage | Surface Area | Fill & Storage | Possible Uses <u>1</u> / |
|-----------------------|------------------|-----------------|---------|-----------------|-------------------|-----------------------------|
| | sq. mi. | ac. | ft | acres | cy/ac.ft. | |
| North Fork John Day | | | | | | |
| Camas Creek | 105 | 66,840 | 12,390 | 399 | 57 | I,F,R |
| Snipe Creek | 29 | 15,444 | 52,390 | 498 | 15 | I R |
| Middle Fork | 69 | 16,500 | 1,800 | 175 | 39 | I,F,R |
| Crawford Creek | 0.5 | 400 | 400 | 75 | 40 | I,F,R |
| Shumway Meadow | 0.1 | 100 | 450 | 30 | 67 | I, R |
| Long Creek | 21 | 7,500 | 300 | 21 | 450 | I, R |
| Jpper John Day | | | | | | |
| Birch Creek | 1 | 500 | 155 | 22 | 226 | I, R |
| Beech Creek | 87 | 21,500 | 600 | 50 | 309 | I, R |
| S. Fork Murderers Cr. | 3.5 | 1,400 | 1,150 | 90 | 109 | R |
| Upper S. Fork | 35 | 8,800 | 2,500 | 125 | 200 | I,F,R |
| Venator Creek | 3 | 1,200 | 250 | 30 | 260 | R |
| Rock Creek | 83 | 22,180 | 2,420 | 70 | 168 | R |
| Fort Creek | 9 | 1,165 | 1,165 | 97 | 73 | I, R |
| Mountain Creek | 29 | 6,100 | 3,560 | 178 | 24 | I, R |
| Sixshooter Creek | 32 | 4,200 | 2,333 | 149 | 9 | I, R |
| Lower John Day | | | | | | |
| Rosebush Creek | 16 | 416 | 407 | 43 | 65 | Ι |
| Butte Creek | 31 | 2,500 | 332 | 24 | 218 | I,F |
| Hoover Creek | 6 | 294 | 68 | 8 | 32 | I |
| Straw Fork Butte Cr. | 5 | 408 | 124 | 9 | 139 | Ι |
| Currant Creek | 30 | 500 | 140 | 11 | 439 | I je |
| Bridge Creek | 1.2 | 131 | 131 | 8 | 179 | Ι |
| Alder Creek | 30 | 3,140 | 2,205 | 81 | 49 | I, R |
| Horseshoe Creek | 4 | 810 | 740 | 74 | 54 | I, R |
| Kahler Creek | 38 | 4,080 | 900 | 50 | 140 | I |
| Henry Creek | 5 | 641 | 582 | 19 | 241 | Ĩ |

Table 17. Reconnaissance Data on Reservoir Sites, John Day River Basin, 1961

 $\frac{1}{1-irrgation}$, F- flood protection, R- recreation--fishing, hunting, and boating. SOURCE: Based on a survey by the U.S. Department of Agriculture Field Party. Minerals

| County | 1960 | 1963 | 1964 | 1970 | Minerals Produced in Order of Value |
|---------|-----------|------------|-----------|-----------|--|
| Grant | \$ 42,000 | \$ 428,000 | \$358,000 | \$538,000 | Stone, Sand and Gravel Mercury, Copper, Gold, Silver, Zinc, Lead |
| Wheeler | \$ 98,000 | \$ 126,000 | \$ 59,000 | 1/ | Stone, Sand and Gravel |

Table 18. Value of Mineral Production In Grant and Wheeler Counties

data; included with undistributed. SOURCE: Bureau of Business and Economic Research, Oregon Economic Statistics

1972, University of Oregon, 1972; and, U.S. Department of the Interior Bureau of Mines, Minerals Yearbook, 1964, Vol. III, 1965.

Wildlife

| Item | Deer | E1k |
|-------------------------|--------|-------|
| Number of Hunters | 8,340 | 290 |
| Humter Days | 36,010 | 1,380 |
| Bucks: 1-2 points | 1,910 | NA |
| 3 points + | 680 | NA |
| Antlerless | 1,150 | 12 |
| Yearling Bulls | NA | 16 |
| Adult Bulls | NA | 9 |
| General Season Total | 3,740 | 37 |
| Percent Hunter Success | 45 | 13 |
| Percent 1-2 point Bucks | 74 | NA |
| Percent Yearling Bulls | NA | 64 |
| Additional Harvest | | |
| Early Season | 0 | NA |
| Late Season | 0 | NA |
| Total Harvest | 3,740 | 37 |
| Hunters per sq. mi | | .23 |
| Harvest per sq. mi | 2.75 | .03 |

Table 19. Wheeler County Deer and Elk Season, 1970

NA - Not Applicable

SOURCE: Oregon State Game Commission, <u>1968</u> and <u>1971 Annual Report</u>, Oregon State Game Commission.

HUMAN RESOURCES

Population

The population of Wheeler County was about 1,820 in 1972 or about 1.07 persons per square mile. About 49 percent of the people live in the incorporated urban areas, while the other 51% is largely unincorporated in farm or rural non-farm areas. Fossil, the county's largest town, has a population of 510. The population of Wheeler County, in regard to rank on a statewide basis, is 36. This is the smallest populus of all Oregon counties.

The following table gives a breakdown of Wheeler's population by race. Caucasian, Spanish Language, Black, American Indian, and "Other" racial categories are given.

| Racial Group | Number of Persons | | | | | |
|--------------------|-------------------|--|--|--|--|--|
| Total Caucasian | 1,849 | | | | | |
| Spanish Language | 7 | | | | | |
| Black | | | | | | |
| American Indian | 3 | | | | | |
| Other | 2 | | | | | |

Table 20. Number of Persons by Racial Group, Wheeler County, 1970

SOURCE: O.S.U. Extension Service, Income and Poverty Data for Racial Groups: A Compilation for Oregon Census County Divisions, Special Report 367, Oregon State University, 1972.

Table 21. Racial Population by Sex in Wheeler County

| Race | Male | Female |
|-----------------|------|------------------------|
| All Races | 952 | 897 |
| White 1/ | 948 | 896 |
| Black | • | _ [*] |
| American Indian | 2 | 1 |
| Japanese | | |
| Chinese | | |
| Filipino | | |
| All other | 2 | |

1/ Includes Spanish Language

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

| Fota1 1,849 151 157 174 | M 952 63 | F 897 | M 948 | <u>ite 1/</u> F | М | F | |
|-------------------------------------|--|--|--|--|--|--|--|
| 151 157 174 | 63 | | 948 | | | | |
| 151 157 174 | 63 | | | 896 | | | |
| 157 174 | | 88 | 63 | 87 | | | |
| 174 | 82 | 75 | 82 | 75 | | | |
| | 98 | 76 | 98 | 76 | | | |
| 182 | 96 | 86 | 96 | 86 | | ÷ | |
| 102 | 42 | 60 | 42 | 60 | | | |
| 103 | 53 | 50 | 52 | 50 | | | |
| 92 | 49 | 43 | 48 | 43 | | . | |
| 106 | 49 | 57 | 48 | 57 | | * | |
| 101 | 49 | 52 | 49 | 52 | | | |
| 115 | 59 | 56 | 59 | 56 | | | |
| 153 | 91 | 62 | 91 | 62 | | · | |
| 129 | 72 | 57 | 72 | 57 | | | |
| 84 | 47 | 37 | 47 | 37 | | | |
| 78 | 47 | 31 | 46 | 31 | | ' | |
| 59 | 25 | 34 | 25 | 34 | | | |
| 35 | 21 | 14 | 21 | 14 | | | |
| 23 | 7 | 16 | 7 | 16 | | | |
| 5 | 2 | 3 | 2 | 3 | | | |
| 613 | 311 | 302 | 311 | 301 | | | |
| - | | | | | | | |
| | | | | | | | |
| | 34.3 | 31.6 | | 31.6 | | | |
| | 153 129 84 78 59 35 23 | $\begin{array}{ccccccc} 153 & 91 \\ 129 & 72 \\ 84 & 47 \\ 78 & 47 \\ 59 & 25 \\ 35 & 21 \\ 23 & 7 \\ 5 & 2 \\ 613 & 311 \\ 254 & 132 \\ 200 & 102 \\ \end{array}$ | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ |

Table 22. Population by Age, Race and Sex in Wheeler County, 1970

1/ Includes Spanish language.

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

10.0

| Tab1e 23. | Socia1 | Characteristics | of | the | Population | in | Whee1er |
|-----------|--------|-----------------|-----|-----|------------|----|---------|
| | | County, | 197 | 70 | - | | |

| Item | Number | |
|----------------------------|--------|--------|
| Total Population | 1,849 | |
| Nativity and Parentage | | |
| Native | 1,743 | |
| Native Parentage | 1,630 | |
| Foreign or Mixed Parentage | 101 | |
| Foreign Born | 12 | |
| State of Birth | | 8 1 |
| Born in Oregon | 1,070 | |
| Born in Different State | 679 | |
| Northeast | 10 | |
| North Central | 178 | |
| South | 212 | |
| West | 279 | |
| Born Abroad, At Sea, etc | 15 | |
| Not Reported | 46 | |

SOURCE: U.S. Bureau of the Census, Census of Population: <u>1970</u> <u>General Social and Economic Characteristics</u>, Final Report PC(1)-C39 Oregon, U.S. Government Printing Office, Washington D.C., 1971.

Table 24. Population Estimates of Incorporated Cities, Wheeler Co.

| City and County | 1960 | 1965 | 1971 | 1972 |
|----------------------|------------|---------------|--------------|-------------|
| Whee1er | 2,722 | 1,800 | 1,850 | 1,820 |
| Fossi1 | 672 | 528 | 515 | 510 |
| Mitchell | 236 | 208 | 195 | 195 |
| Spray | 194 | 212 | 180 | 185 |
| Incorporated Area | | 948 | 890 | 890 |
| Unincorporated Area. | 1,620 | 852 | 960 | 930 |
| SOURCE: Center for | Population | Research and | Census, Popu | ulation Est |
| | | orated Cities | | |

University, July 1972.

Population growth in Wheeler County has been decreasing slightly in recent years. But during the period 1950-1970 there was a great decrease in population. The growth rate is continuing to drop but at a relatively slow rate of about 1.6% per annum.

| Year | Donulation | Percent Increase | | | |
|------|------------|------------------|---------|--|--|
| | Population | Period | Percent | | |
| 1900 | 2,480 | | | | |
| 1910 | 2,520 | 1900-10 | 1.61 | | |
| 1920 | 2,650 | 19 1 0-20 | 5.16 | | |
| 1930 | 2,650 | 1920-30 | 0 | | |
| 1940 | 3,000 | 1930-40 | 13.21 | | |
| 1950 | 3,400 | 1940-50 | 13.33 | | |
| 1960 | 2,722 | 1950-60 | -20.0 | | |
| 1970 | 1,849 | 1960-70 | -32.07 | | |
| 1972 | 1,820 | 1970-72 | - 1.57 | | |

Table 25. Population Growth in Wheeler County

SOURCE: Center for Population Research and Census, <u>Population Estimates</u> of <u>Counties</u> and <u>Incorporated Cities</u> of <u>Oregon</u>, Portland State University, July 1972.

The composition of Wheeler County's population by age and sex, is much the same as that of the state of Oregon.

| Table 26. | Population | bv Age | and Sex | . Wheeler | County. | 1960 and | 1970 |
|-----------|------------|--------|---------|-----------|---------|----------|------|
| | | | | | | | |

| Ago Crown | Ma | 1e | Fema | le | Tota | 1 | Perce | nt |
|------------------|-------|--------|-------|------|-------|--------|-------|-------|
| Age Group | 1960 | 1970 | 1960 | 1970 | 1960 | 1970 | 1960 | 1970 |
| Total Population | 1,393 | 952 | 1,329 | 897 | 2,722 | 1,849 | 100 | 100 |
| Under 5 | 153 | 63 | 160 | 88 | 313 | 151 | 11.5 | 8.17 |
| 5-9 | 144 | 82 | 175 | 75 | 319 | 157 | 11.7 | 8.49 |
| 10-14 | 121 | 98 | 140 | 76 | 261 | 174 | 9.6 | 9.41 |
| 15-19 | 114 | 96 | 113 | 86 | 227 | 182 | 8.3 | 9.84 |
| 20-24 | 78 | 42 | 95 | 60 | 173 | 102 | 6.4 | 5.52 |
| 25-34 | 166 | 102 | 161 | 93 | 227 | 195 | 12.0 | 10.55 |
| 35-44 | 188 | 98 | 165 | 109 | 353 | 207 | 13.0 | 11.20 |
| 45-54 | 181 | 150 | 136 | 118 | 317 | 268 | 11.6 | 14.49 |
| 55-64 | 140 | 119 | 98 | 94 | 238 | 213 | 8.7 | 11.52 |
| 65 and over | 108 | 102 | 86 | 98 | 194 | 200 | 7.2 | 10.82 |
| Median Age | 30. | 9 34.3 | 24.0 | 31.6 | 27.5 | 5 33.0 | | |

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

Employment

| Item | | Number | |
|--------------------------------------|----------------|--------|-------|
| Population | - | 1,800 | ····· |
| Employees | | 121 | |
| Fulltime only | | 71 | |
| October Payroll (1,000) | . \$ | 34 | |
| Education | \$ \$ \$ | 26 | |
| Teachers only | \$ | 18 | |
| Functions other than Education | \$ | 7 | |
| Average Earnings, Fulltime Employees | | | |
| Teachers | \$ | 527 | |
| Others | \$ | 338 | |
| Fulltime Equivalent Employment | | 81 | |
| Education | | 60 | |
| Teachers only | | 34 | |
| Functions other than Education | | 21 | |
| Highways | | - 7 | |
| Health | | 1 | |
| Police Protection | | 1 | |
| Sewerage | | 1 | |
| Libraries | | 5 | |
| Financial Administration | | 5 | |
| Other Local Utilities | | 1 | |
| Other and Unallocable | | 40 | |
| | | | |

| Table 27. | Loca1 | Government | Employees | and | Payrolls, | Wheeler | County |
|-----------|-------|------------|-----------|------|-----------|---------|--------|
| | | | October, | 1967 | | | |

SOURCE: U.S. Department of Commerce, Bureau of the Census, 1967 Census of Governments, <u>Compendium of Public Employment</u>, Vol. 3, Number 2.

| Subject | 1960 $\frac{1}{}$ | 1970 |
|------------------------------|-------------------|------|
| rotal Males, 16 Yrs & Over | 955 | 682 |
| Total Labor Force | 789 | 557 |
| Armed Forces | | |
| Civilian Labor Force | 789 | 557 |
| Employed | 709 | 536 |
| Unemployed | 80 | 21 |
| Not in Labor Force | 166 | 125 |
| Inmate of Institution | | |
| Enrolled in School | 88 | 35 |
| Other | 78 | 90 |
| Total Females, 16 Yrs & Over | 916 | 626 |
| Total Labor Force | 252 | 205 |
| Employed | 246 | 176 |
| Unemployed | 6 | 29 |
| Not in Labor Force | 664 | 421 |
| Inmate of Institution | | - |
| Enrolled in School | 111 | 36 |
| Other | 553 | 385 |
| Married (Husband present) | | 472 |

Table 28. Employment Status of Population in Wheeler County, 1960, 1970

1/ 14 years and over

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

| Age Group | Male | Female |
|---------------------------|--|---------------------------------------|
| 14-15 | 10.6 | 15.6 |
| 16-17 | 15.2 | |
| 18-19 | 72.0 | 55.6 |
| 20-21 | | |
| 22-24 | 100.0 | · · · · · · · · · · · · · · · · · · · |
| 25-34 | 100.0 | 41.1 |
| 35-44 | 96.7 | 51.9 |
| 45-64 | 88.4 | 44.7 |
| 65 + | 39.8 | 7.0 |
| SOURCE: U.S. Bureau of th | | |
| | ويسمد مادا المحالي بيري وأرفقها المداد المربخ والبالي المتري وجرع مرجب الماكي المائة المتكافي ويتراب | eristics, Final Repo |
| | U.S. Government P | rinting Office, |
| Washington, D.C., | 1972 | |

Table 29. Percentage of Persons in Labor Force by Sex and Age Wheeler County, 1970

| Industry | Number | | |
|--|--------------------|--|--|
| Total Employed, 16 Yrs. + | 536 | | |
| Agriculture, Forestry, Fisheries | 164 | | |
| Mining, Construction | 29 | | |
| Manufacturing | 228 | | |
| Furniture, Lumber, Wood Products | 216 | | |
| Other Durables | 5 | | |
| Non-Durables | 7 | | |
| Transportation | | | |
| Communications | 6 | | |
| Wholesale Trade | 5 | | |
| Retail Trade | 31 | | |
| Business Services, Repair Service | 5 | | |
| Personal Services | 21 | | |
| Hospitals | | | |
| Educational Services | 23 | | |
| Professional & Related | 5 | | |
| Public Administration | 11 | | |
| | | | |
| SOURCE: U.S. Bureau of the Census, Census of | f Population: 1970 | | |
| General Social and Economic Characte | | | |
| PC(1)-C39 Oregon, U.S. Government Pr | | | |

Table 30. Industry Group of Employed in Wheeler County, 1970

PC(1)-C39 Oregon, U.S. Government Printing Office, Washington, D.C., 1972.

| Table 31. | Median | Earnings | of | Selected | Occupation | Groups, | Wheeler | County, | 1970 |
|-----------|--------|----------|----|----------|------------|---------|---------|---------|------|
| | | | | | | | | | |

| Occupation Group | Dollars |
|---|------------------------|
| Male, 16 Yrs old and over | \$ 6,234 |
| Professional, Managerial and Kindred Workers | 7,842 |
| Craftsmen, Foremen and Kindred Workers | 6,286 |
| Operatives, including Transport Laborers, except Farm | 7,172 5,667 |
| Farmers, Farm Managers Farm Laborers, except unpaid and | 2,958 |
| Foremen | 6,114 |
| Female, 16 Yrs old and over | 2,635 |
| Clerical and Kindred Workers Operatives, including Transport | 2,596 |
| SOURCE: U.S. Bureau of the Census, Census of Populatio | n: 1970 General Social |

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

Table 32. Employees of Major Occupation Groups in Wheeler County, 16 Yrs. Or Older, 1970

| Occupation | Ma1e | Fema1e |
|--|-----------|------------|
| Professional, Technical & Kindred Workers | 9 | 9 |
| Managers & Administrators, except farm | 45 | 23 |
| Sales Workers | 12 | 6 |
| Clerical & Kindred Workers | 6 | 30 |
| Operatives, including Transport | 95 | |
| Craftsmen, Foremen & Kindred Workers | 85 | · |
| Laborers, except Farm | 76 | 5 |
| Farmers & Farm Managers | 16 | — — |
| Farm Laborers, unpaid Family Worker | , | — – |
| Farm Laborers, exc. unpaid & Farm Foremen | 22 | |
| Service Workers, including Private Household | 13 | 34 |
| Other Blue Collar Workers | | 12 |

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

| T 1 4 - | Number | | | |
|------------------------------|--------|------|------|--|
| Industry | 1965 | 1968 | 1971 | |
| Civilian Labor Force | 930 | 840 | 790 | |
| Workers in Labor Management | | | | |
| Disputes | 0 | 0 | 0 | |
| Unemployment | 70 | 50 | 60 | |
| Percent of Labor Force | 7.5 | 6.0 | 7.6 | |
| Employment | 860 | 790 | 730 | |
| Agricultural | 230 | 230 | 250 | |
| Non-Agricultural | 630 | 560 | 480 | |
| Self-employed, unpaid Family | | | | |
| & Domestic | 90 | 80 | 60 | |
| Wage & Salary Worker | 530 | 480 | 420 | |
| Manufacturing | 330 | 290 | 230 | |
| Durables | 330 | 290 | 230 | |
| Lumber & Wood | 330 | 290 | 230 | |
| Other Durable | | | | |
| Nondurables | | | | |
| Non-Manufacturing | 200 | 190 | 190 | |
| Contract Construction | 0 | 0 | 0 | |
| Trans-Utilities | 10 | 10 | 20 | |
| Wholesale & Retail | 30 | 30 | 30 | |
| Finance, Insurance & Real | | | | |
| Estate | 20 | 10 | 10 | |
| Service & Miscellaneous | 10 | 10 | 10 | |
| Government | 130 | 130 | 120 | |

Table 33. Labor Force in Wheeler County, 1965, 1968, and 1971

SOURCE: Oregon State Department of Human Resources, Employment Division, Labor Force and Employment in Oregon by County, 1965, 1968, 1971, Research and Statistics Division, 1966, 1969, 1972.

Income

Table 34. Net Effective Buying Income Estimates, 1970

| Area | Net Dollars (1,000) | Percent of U.S. Total | Per Household |
|----------------|------------------------|--------------------------|---------------|
| Oregon | \$ 6,650,690 | .9806 | \$ 9,440 |
| Wheeler County | \$ 5,418 | .0008 | \$ 7,740 |

| Location | Av. Monthly Employment | Employment as Percent of State Total | Total Annual Payroll (1,000) | Av. Annual Payroll Per Worker |
|--------------------------|---------------------------|--|------------------------------------|-------------------------------------|
| Wheeler County Oregon | | 0.06 | \$ 2,493 \$ 4,057,385 | \$ 7,914 \$ 7,147 |

Table 35. Oregon Covered Employment and Payrolls, 1970

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

Table 36. Bank Debits $\frac{1}{2}$ and Deposits, Wheeler County, 1967-1971

| Year | Bank Debits <u>-</u> 1,000 Do | Bank Deposits llars |
|------|----------------------------------|------------------------|
| 1967 | 149,385 | 2,954 |
| 1968 | 152,169 | 3,113 |
| 1969 | 169,075 | 3,411 |
| 1970 | 157,576 | 3,424 |
| 1971 | 177,408 | |

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

SOURCE: Oregon State Department of Commerce, Annual Report, various years, and Special Report, February 1971 taken from Oregon Economic Statistics, 1969 and 1972, Bureau of Business and Economic Research, University of Oregon, 1972.

| Category | Number | Percent |
|------------------------------------|----------|---------------------------------------|
| lean Income | | · · · · · · · · · · · · · · · · · · · |
| Families: All races | \$ 7,996 | |
| Caucasian | \$ 7,996 | |
| Black | | |
| Unrelated Individuals: | | |
| All races | \$ 3,191 | |
| Caucasian | \$ 3,191 | |
| Families, by Family Income Class | | |
| All races | | • |
| Under \$3,999 | 88 | 17.06 |
| \$4,000 - \$5,999 | 77 | 14:92 |
| \$6,000 - \$11,999 | 293 | 56.78 |
| \$12,000 + | 58 | 11.24 |
| Total | 516 | 100.00 |
| Income, below poverty level.(bp1) | | |
| A11 races | 53 | 100.00 |
| Persons in family bp1 | 137 | |
| Unrelated individuals bpl | | |
| Under 65 | 36 | |
| 65 and over | 28 | |
| Male Family Head, 14-64 years, bpl | | |
| Employed | 30 | |
| Unemployed | 4 | |
| Not in Labor Force | 10 | |
| Income Sources of Families and | | |
| Unrelated Individuals, bpl | | |
| Earnings | 49 | |
| Social Security or | | |
| Railroad Retirement | 54 | |
| Public Assistance or Welfare | 12 | |

Table 37. Income and Poverty Data for Racial Groups, Wheeler County, 1970

SOURCE: O.S.U. Extension Service, Income and Poverty Data for Racial Groups: <u>A Compilation for Oregon Census County Divisions</u>, Special Report 367, Oregon State University, 1972.

Education

| Table 38. | Formal | Education | Facilities, | Wheeler | County, | 1971-72 |
|-----------|--------|-----------|-------------|---------|---------|---------|
|-----------|--------|-----------|-------------|---------|---------|---------|

| District | Location | Certification $\frac{1}{}$ | ADM ^{2/} |
|--|----------|---------------------------------------|-------------------|
| Wheeler Intermediate | | · · · · · · · · · · · · · · · · · · · | |
| Education District | Fossil | 1 | |
| Fossil School District No.21 | 103311 | 17 | |
| Wheeler High School | Fossi1 | · · · · · · · · · · · · · · · · · · · | 95 |
| Fossil Elementary School | Fossil | | 159 |
| Mitchell School District No. 5. | 103311 | 8 | 105 |
| Mitchell High School | Mitchell | Ŭ. | 27 |
| Mitchell Elementary School | Mitchell | | 56 |
| Spray School District No. 1 | | 7 | |
| Spray High School | Spray | | 18 |
| Spray Elementary School | Spray | | 43 |
| $\frac{1}{2}$ Total Certified personnel in $\frac{2}{2}$ The ADM - average daily member SOURCE: Oregon State Board of Ed | ership. | | - |

Community College Directory.

Table 39. Racial and Ethnic Distribution of Public School Enrollment By School District, 1972

| District | Caucasian | Black | American Indian | Spanish American | Total |
|----------|-----------|-------|--------------------|---------------------|-------|
| Fossil | 256 | | 5 | 2 | 263 |
| Mitchell | 74 | 1 | | 4 | 79 |
| Spray | 69 | | | | 69 |
| Total | | 1 | 5 | 6 | 411 |
| | | | | | |

SOURCE: Compiled from Oregon Board of Education Reports by O.S.U. Extension Service.

| Grade | Number | |
|------------------|--------|--|
| 1 | 39 | |
| 2 | 28 | |
| 3 | 29 | |
| 4 | 35 | |
| 5 | 37 | |
| 6 | 46 | |
| 7 | 29 | |
| 8 | 32 | |
| Total 1-8 | 275 | |
| 9 | 41 | |
| 10 | 32 | |
| 11 | 45 | |
| 12 | 35 | |
| Total 9-12 | 153 | |
| Total All Pupils | 428 | |

Table 40. Enrollment by Grade, Wheeler County Schools, Year End-

ing, June 30, 1971

SOURCE: Unpublished data from Oregon Board of Education Management Services, Program Support, School Finance and Statistical Services.

Table 41. Years of School Completed By Population 25 Years and Older, Wheeler County

| Category | Male | Female |
|-------------------------------|------|--------|
| 25 Years and Over | 576 | 512 |
| No School Years | | |
| Elementary: 1-4 yrs | 23 | 5 |
| 5-7 yrs | 59 | 12 |
| 8 yrs | 95 | 85 |
| High School: 1-3 yrs | 103 | 139 |
| 4 yrs | 182 | 189 |
| College: 1-3 yrs | 63 | 53 |
| 4 yrs. or more | 51 | 29 |
| Median School Years Completed | 12.0 | 12.1 |
| Percent High School Graduates | 51.4 | 52.9 |

SOURCE: U.S. Bureau of Census, Census of Population: <u>1970 General</u> <u>Population Characteristics</u>, Final Report PC(1)-B39 Oregon U.S. Government Printing Office, Washington, D.C., 1971.

Table 42. Wheeler County Residents Enrolled in Higher Education Institutions, Fall, 1971.

| Institution | Number Enrolled | | |
|----------------------------------|-----------------|--|--|
| Total Enrolled | 39 | | |
| Eastern Oregon College | 7 | | |
| Oregon College of Education | 4 | | |
| Oregon State University | 7 | | |
| Portland State University | 2 | | |
| Southern Oregon College | 2 | | |
| University of Oregon | 2 | | |
| Linfield | 2 | | |
| Museum Art School | 1 | | |
| University of Portland | 2 | | |
| Blue Mountain Community College | 6 | | |
| Central Oregon Community College | 2 | | |
| Clatsop Community College | - 1 | | |
| Mt. Hood Community College | - 1 | | |

SOURCE: Oregon Educational Coordinating Council, Post-Secondary Enrollment Distributions in Oregon, Fall, 1971.

Table 43. Youth Organizations, Wheeler County

| Organization | Number of Members |
|--------------|-------------------|
| 4-H | 153 |

SOURCE: Unpublished data compiled by O.S.U. Extension Service.

Health and Vital Statistics

There are no licensed medical personnel in Wheeler County, nor are there any health care facilities operating in the county. There is, however, a county health department which has a budget of \$2,606 or \$1.39 per capita. The following tables give information on births and deaths and health problems in the county.

| Item | Number | Rate <u>1/</u> | |
|--------------------------|--------|----------------|---|
| Live Births | 23 | 12.4 | · |
| Immature births | 23 | 87.0 | |
| Congenital malformations | 1 | 43.5 | |
| Deaths-All Causes | 13 | 7.0 | |
| Malignant neoplasms | 1 | 54.1 | |
| Diabetes mellitus | 2 | 108.1 | |
| Diseases of the heart | 6 | 324.3 | |
| Arteriosclerosis | 1 | 54.1 | |
| Accidents | 2 | 108.1 | |
| Homicides | 1 | 54.1 | |
| Therapeutic abortions | 2 | 87.0 | |
| Diseases | | | |
| Influenza | 13 | 702.7 | |

Table 44. Summary of Vital Statistics, Wheeler County

 1/ Rate per 100,000 population.
 SOURCE: Oregon State Department of Human Resources, Oregon State Health Division, <u>Vital Statistics Annual Report</u>, Vital Statistics Section, 1971.

Public Welfare

Table 45. August 1972, Public Welfare Cases, Wheeler County $\frac{1}{2}$

| Category | Cases | Average | Total |
|----------------------------|-------|---------|-------|
| 01d Age Assistance | 36 | 35.83 | 1,290 |
| Aid to the Blind | 0 | | |
| Aid to the Disabled | 19 | 68.95 | 1,310 |
| Aid to Dependent Children. | 223 | 34.93 | 7,789 |
| General Assistance | 5 | 56.24 | 281 |

 Wheeler County statistics are combined with Grant County.
 SOURCE: Oregon State Department of Human Resources, Oregon Public Welfare Division, Public Welfare in Oregon, August 1972.

| Item | Amount in Dollars |
|--|-------------------|
| Physicians | 1,413 |
| Hospitals | 3,946 |
| Out Patients | 302 |
| Nursing Homes | 8,367 |
| Drugs | 1,874 |
| Denta1 | 22 |
| Visual | 21 |
| Transportation | 218 |
| 0ther | 13 |
| TOTAL | 16,176 |
| SOURCE: Oregon State Department of Hur Public Welfare Division, Publi | |

Table 46. Total Medical Payments by Type of Service, Wheeler

Housing

August, 1972.

Table 47. Year-Round Housing Units by Type of Structure and Number of Rooms, Wheeler County

| Item | Number | Percent |
|--------------------|--------|---------|
| Total Units | 773 | 100.00 |
| By Structure | | |
| 1 Unit Structure | 682 | 88.23 |
| 2 + Unit Structure | 49 | 6.34 |
| Mobile Homes | 42 | 5.43 |
| By Number of Rooms | | |
| 1 Room | 32 | |
| 2 Rooms | 45 | |
| 3 Rooms | 54 | |
| 4 Rooms | 168 | |
| 5 Rooms | 189 | |
| 6 Rooms | 144 | |
| 7 Rooms | 73 | |
| 8 or More | 68 | |
| | | |

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.

| Occupancy | Total | Rural | Occupied Rural Farm |
|------------------------|-------|-------|------------------------|
| Owner Occupied | 364 | 364 | 83 |
| Renter Occupied | 296 | 296 | 67 |
| Vacant Year-Round | 132 | 132 | |
| For sale only | 9 | 9 | |
| For rent | 59 | 59 | |
| Vacant less than 2 mos | 14 | 14 | |
| Median rent asked | \$ 32 | \$ 32 | |
| Other vacant | 64 | 64 | |

Table 48. Vacancy and Tenure Status, Wheeler County, 1970

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

Table 49. Facilities in Housing Units

| Facilities | Total | Occupied Rural Farm |
|---|-------|------------------------|
| Plumbing Facilities | 719 | 141 |
| Lacking some or all facilities | 73 | 9 |
| Lacking only hot water | 4 | |
| Lacking other plumbing facilities Piped Water in Structure | 69 | 9 |
| Hot and Cold | 747 | 150 |
| Cold only | 20 | |
| None | 25 | |
| Flush Toilet | | |
| For exclusive use of household | 723 | 141 |
| Also used by another household | 14 | - |
| None Bathtub or Shower | 55 | 9 |
| For exclusive use of household | 727 | 145 |
| Also used by another household | 14 | |
| None | 51 | 5 |
| Complete Kitchen Facilities | | |
| For exclusive use of household | 730 | 150 |
| Also used by another household | | |
| No complete kitchen facilities | 62 | |

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

In recent years, Wheeler County's economy has been largely based on diversified agriculture, logging and the manufacture of wood products. Other manufacturing has been important source of income also.

Agriculture

Agriculture in Wheeler County is somewhat diversified. The soils of the area are favorable for the production of a few agricultural products.

Grain crops compose the major bulk of the county's field crops. About 5,080 acres are planted each year in wheat and other grains. Seed crops are also grown quite exclusively in the area. Over 10,500 acres are sowed each growing season with hay grasses, clover, and other seed crops. The market value of all agricultural products sold in 1969 was just under \$2.4 million, a relatively small sum, but a vast majority of revenue generated for a small county such as Wheeler. Livestock and dairy products are a valuable asset to Wheeler.

| Subject | 1959 | 1964 | 1969 |
|------------------------------|---------|-----------|--------------|
| Approximate Land Area, acres | | 1,092,450 | 1,092,480 |
| Proportion in Farms | | 62.4 | 66.8 |
| Total Number of Farms | 141 | 129 | 110 |
| Acres in Farms | | 682,475 | 729,780 |
| Average Size of Farms | 4,861.2 | 5,290.5 | 6,634.3 |
| Value of Land & Buildings | | NA | \$22,376,275 |
| Average per Farm | | \$115,135 | \$ 203,420 |
| Average per Acre | | 21.88 | 30.66 |

Table 50. Farm Size and Value, Wheeler County

NA - Not available

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

The next table shows a distribution of farm sizes. In keeping with the national trend, farms in the county have been growing in size with improvements in technology and becoming more specialized.

| Size | 19 | 64 | 1969 | |
|--------------------------|--------|---------|--------|---------|
| | Number | Percent | Number | Percent |
| Less than 10 Acres | 1 | .78 | 2 | 1.8 |
| 10 to 49 acres | 2 | 1.6 | | |
| 50 to 69 acres | 2 | 1.6 | 1 | .91 |
| 70 to 99 acres | 4 | 3.1 | | · · |
| 100 to 1 39 acres | 5 | 3.9 | 5 | 4.5 |
| 140 to 179 acres | 1 | .78 | | |
| 180 to 219 acres | 3 | 2.3 | | |
| 220 to 259 acres | 1 | . 78 | 1 | .91 |
| 260 to 499 acres | 8 | 6.2 | 7 | 6.4 |
| 500 to 999 acres | 22 | 17.1 | 15 | 13.6 |
| 1,000 to 1,999 acres | 20 | 15.5 | 24 | 21.8 |
| 2,000 or more acres | 60 | 46.5 | 55 | 50.0 |
| Total Farms | 129 | | 110 | |

Table 51. Number and Percent of Farms by Size, Wheeler County

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

| Table 52. Farm Operators by 7 | Tenure |
|-------------------------------|--------|
|-------------------------------|--------|

| Tenure | 1964 | 1969 |
|-----------------|------|------|
| | | |
| Full Owners | 70 | 57 |
| Part Owners | 46 | 44 |
| Managers | | |
| Tenants | 12 | 9 |
| Total Operators | 128 | 110 |

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

| Drobest | 19 | 64 | 19 | 69 |
|----------------------------|---------|-----------|-------|--------|
| Product | farms | acres | farms | acres |
| Field Corn | | · · · · - | | |
| Sorghums | | | | · |
| Alfalfa, hay | 74 | 5,021 | 63 | 4,573 |
| Clover, hay | 5 | 613 | 7 | 1,104 |
| Hay, Grass, Silage | 53 | 6,099 | 53 | 4,431 |
| Red Clover & Alfalfa Seed. | | | | |
| Strawberries | | | | |
| Wheat | 42 | 4,312 | 41 | 3,987 |
| Oats, Barley, Rye | 32 | 1,737 | 38 | 1,668 |
| Vegetables | | | | |
| Orchards-Vineyards | 11 | 24 | 3 | 3 |
| Nursery Products | | | * | |
| Forest Products | 5 | | 6 | |
| | farms | number | farms | number |
| Livestock | | | | |
| Cattle & Calves | 88 | 18,678 | 83 | 21,330 |
| Hogs & Pigs | 27 | 513 | 17 | 282 |
| Sheep & Lambs | 28 | 9,161 | 19 | 6,185 |
| Goats | 2 | 9 | 3 | 12 |
| 0ther | | | 64 | |

Table 53. Types of Farms With Sales Over \$2,500, Wheeler County

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.

| Subject | 1964 | 1969 |
|----------------|------|------|
| Under 25 Years | 30 | 29 |
| 25 to 34 | 225 | 162 |
| 35 to 44 | 552 | 331 |
| 45 to 54 | 691 | 468 |
| 55 to 64 | 503 | 461 |
| 65 and over | 433 | 291 |
| Average Age | 51.0 | 51.5 |

Table 54. Farm Operators by Age, Wheeler County

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

| | 1 | · · · · · · · · · · · · · · · · · · · | 1 | |
|---------------------------------|-----------|---------------------------------------|-------------|---------------------------------------|
| Economic Class | 19 | 64 | 19 | 69 |
| Economic Class | Number | Percent | Number | Percent |
| Commercial Farm | | | | · · · · · · · · · · · · · · · · · · · |
| | 8 | 6.2 | 10 | 9.1 |
| Class I (sales \$40,000 +) | | | | |
| Class II (\$20,000-\$39,999) | 16 | 12.4 | 21 | 19.1 |
| Class III (\$10,000-\$19,999) | 15 | 11.6 | 21 | 19.1 |
| Class IV (\$5,000- \$9,999) | 29 | 22.5 | 17 | 15.5 |
| Class V (\$2,500-\$4,999) | 22 | 17.1 | 21 | 19.1 |
| Class VI (\$50-\$2,499) | 11 | 8.5 | 4 | 3.6 |
| | | | | |
| Other Farms | | | | |
| Parttime | 21 | 16.3 | 14 | 10.9 |
| Part-retirement | 7 | 5.4 | 2 | 1.8 |
| Abnorma1 | | | | , |
| Total Farms | 129 | | 110 | |
| | | | | |
| SOURCE: U.S. Bureau of the Cens | | | | |
| Area Reports, Part 47, | Oregon, U | .S. Governme | ent Printin | ng Office, |

Table 55. Farms by Economic Class, Wheeler County

Washington, D.C., 1972.

| Product | . 1966 | 1967 | 1968 | 1969 | 1970 |
|-----------------------------|--------|-------|-----------|-------|-------|
| All crops, livestock, and | | thou | sand doll | ars | · • • |
| livestock products | 1,927 | 2,377 | 2,422 | 2,577 | 2,781 |
| A11 crops | 295 | 375 | 279 | 297 | 236 |
| All grain, hay, and seeds. | 239 | 252 | 184 | 201 | 201 |
| All grain and hay | 239 | 252 | 184 | 201 | 201 |
| All hay | 51 | 51 | 25 | 39 | 46 |
| All grains | 188 | 201 | 159 | 162 | 155 |
| Wheat | 154 | 176 | 147 | 138 | 139 |
| Barley | 30 | 20 | 8 | 20 | 11 |
| Vegetables, fresh and for | | | | | |
| processing | 1 | | · | | |
| All tree fruits and nuts | | 1 | | 1 | |
| All livestock and livestock | | | | | |
| products | 1,632 | 2,002 | 2,143 | 2,280 | 2,545 |
| Diary products | 6 | 7 | 7 . | 5 | 5 |
| Poultry products | 1 | 1 | 1 | 1 | 1 |
| Cattle and calves | 1,407 | 1,804 | 1,946 | 2,086 | 2,344 |
| Sheep and lambs | 115 | 104 | 106 | 113 | 117 |
| Hogs | 34 | 38 | 36 | 27 | 31 |

Table ⁵⁶. Value of Farm Products Sold, Wheeler County, 1966-1970

SOURCE: U.S.D.A. and OSU Cooperative Extension Service cooperating, "Oregon Commodity Data Sheets", Oregon State University, 1971-72.

| Table 57. Acr | s of | Crops | Harvested, | Wheeler | County, | 1969 | and | 1970 |
|---------------|------|-------|------------|---------|---------|------|-----|------|
|---------------|------|-------|------------|---------|---------|------|-----|------|

| Crop | s Harvested | 1969 | 1970 |
|---------------|-------------|--------|--------|
| Small grains: | Wheat | 3,900 | 3,400 |
| | Oats | 200 | 300 |
| | Barley | 1,200 | 1,000 |
| Hay crops | | 13,300 | 14,500 |
| | | | |

SOURCE: U.S.D.A. and OSU Cooperative Extension Service cooperating, "Oregon Commodity Data Sheets", Oregon State University, 1971-72.

Table 58. Livestock & Poultry Numbers, Wheeler County, 1950, 1960, 1969, & 1970

| Category | 1950 | 1960 | 1969 | 1970 |
|-----------------|--------|--------|--------|--------|
| All cattle | 16,100 | 21,000 | 23,000 | 24,000 |
| Dairy cattle | 700 | 400 | 200 | 200 |
| Sheep and lambs | 14,500 | 22,000 | 7,500 | 7,000 |
| Hogs | 1,500 | 1,300 | 500 | 500 |
| Chickens | 4,000 | 4,000 | 4,000 | 4,000 |
| Turkeys raised | | | 100 | |

SOURCE: U.S.D.A. and OSU Cooperative Extension Service cooperating, "Oregon Commodity Data Sheets", Oregon State University, 1971-72.

Logging and Wood-Using Industries

Table 59. Lumber and Wood Products Manufacturing Excluding Furniture, Wheeler County, 1968 and 1970

| | Number o | f Firms | Employment | |
|--|----------|---------|------------|------|
| Product Group | 1968 | 1970 | 1968 | 1970 |
| Logging camps and contractors Sawmills and planing mills, general | 1 | 4 | 7 | 72 |
| Special product sawmills | 1 | 1 | 300 | 300 |
| Total | 9 | 5 | 307 | 372 |

SOURCES: Oregon State Department of Commerce, Economic Development Division, Directory of Oregon Manufacturers - 1970.

U.S. Forest Service, "1970 Timber Harvest", U.S.D.A. Forest Service Resource Bulletin PNW-38, Pacific Northwest Forest and Range Experiment Station, 1971.

Logging and sawmilling have been one of the largest industries in the county since its settlement. These industries employ a great many people from the county's population.

Table 60. Timber Harvest by Ownership, Wheeler County, 1970 $\frac{1}{2}$

| Ownership | Production* | Percent of Total |
|------------------------------|-------------|------------------|
| Total timber harvest | 35,998 | 100.00 |
| Private 2/ | 2,831 | 7.86 |
| Bureau of Land Management 3/ | 52 | 0.14 |
| National Forest 4/ | 33,115 | 92.00 |
| State | | |
| | | |

1/ Includes volume removed as logs but not volume removed for poles, piling, and wood cutting operations.

2/ Compiled by State Forestor.

 $\frac{2}{3}$ / Compiled by Bureau of Land Management.

4/ Compiled by U.S. Forest Service.

*Scribner Log Rule - thousand board feet

SOURCE: U.S. Forest Service, "1970 Timber Harvest", U.S.D.A. Forest Service Resource Bulletin PNW-38, Pacific Northwest Forest and Range Experiment Station, 1971.

| Item | Thousands of Dollars | Percent |
|---|---------------------------------------|---------|
| Forest Assessment and Taxation ^a | | |
| (Fiscal Year 1967-68) | | |
| Assessed Value | | |
| All taxable property | 5,679 | 100.00 |
| Real property assessment | 4,144 | 73.00 |
| Taxes | , , , , , , , , , , , , , , , , , , , | |
| Forest yield tax receipts | | |
| (June 1967) | 1.2 | |
| | | |
| Payrolls and Employment (1967) b | | |
| Payrolls, yearly | | |
| All industries | 2,334 | 100.00 |
| Lumber and wood products | 1,872 | 80.00 |
| | | |
| | persons | |
| Employment | | |
| All industries | 386 | 100.00 |
| Lumber and wood products | 286 | 74.00 |
| | | |
| Log Production C | thousand boa | rd feet |
| (Scribner Decimal C) | | |
| Year - 1955 | 80,456 | |
| 1960 | 43,880 | |
| 1965 | 51,493 | |
| 1966 | 23,725 | |
| | | |

Table 61. Forest Industry Statistics, Wheeler County

 SOURCES:a.Oregon State Tax Commission, "Summary of Assessment Rolls for 1967-68 Fiscal Year and 1966-67 Property Tax Collections," January 1968.
 b.Oregon State Department of Human Resources, Employment Division, Oregon Covered Employments and Payrolls by Industry and County, 1967. Includes covered firms employing one or more persons.

c.State of Oregon Board of Forestry, "Approximate Acres Logged and MBF Volume Removed, State of Oregon", annual reports for 1955, 1960, 1965, and 1966. Table 62. Log Consumption in Thousand Board Feet by Species and Industry, 1/ Wheeler County, 1968 2/

| Species | Sawmills |
|----------------------------|----------|
| All species | 148,387 |
| Douglas Fir | 45,268 |
| Hemlock | 10,000 |
| True Firs | 4,724 |
| Spruce | |
| Ponderosa and Jeffery Pine | 83,595 |
| White and Sugar Pine | 4,800 |

1/ There are no veneer and plywood or shake and shingle plants in Wheeler County.

2/ Wheeler County combined with Jefferson and Wasco Counties to avoid disclosure. SOURCE: U.S. Forest Service, "1970 Timber Harvest", U.S.D.A. Forest Service Resource Bulletin PNW-38, Pacific Northwest Forest and Range Experiment Station, 1971.

Table 63. Installed 8-Hour Capacity of Sawmills by Mill Size, Wheeler County, 1968

| Mill Size | Capacity <u>1</u> / | |
|--|---------------------|--|
| A - 120,000+ bd. ft B - 80,000 to 119,000 bd. ft | 135 0 | |
| C - 40,000 to 79,000 bd. ft D - less than 40,000 bd. ft | 50 0 | |

1/ Scribner Log Rule - thousand board feet

SOURCE: U.S. Forest Service, "1970 Timber Harvest", U.S.D.A. Forest Service Resource Bulletin PNW-38, Pacific Northwest Forest and Range Experiment Station, 1971.

Mining - Mineral and Metal Industries

Most of the income from mineral production is derived from stone, sand and gravel, and some mercury. These mining operations vary from year to year depending on the construction activities within the county. Table 64. Value of Mineral Production, Wheeler County, 1963, 1967, 1970

| Year | Value | Minerals Produced in Order of Value |
|------|-----------|--|
| 1963 | \$126,000 | Stone, sand and gravel, mercury |
| 1967 | 37,000 | Stone, sand and gravel, mercury |
| 1970 | * | Stone, sand and gravel |

*Withheld to avoid disclosure N.R. - not reported

SOURCES: U.S. Bureau of Mines, Minerals Yearbook, Bureau of Economic Research, Oregon Economic Statistics, various years, University of Oregon.

Outdoor Recreation

Wheeler County has very few parks for recreational purposes. Those parks that are within the county limits are well kept and provide a restful atmosphere for the weary traveler or vacationer. Painted Hills State Park is probably the most inviting to the tourist. Shelton Wayside is probably the only park with adequate facilities for the camper. Little revenue is provided by the park and recreation sectors. Parks are for enjoyment basically with slight emphasis on income-producing facilities.

| Parks | Acreage | Split Counties Total for Park | County Acreage |
|---|----------|----------------------------------|-------------------|
| Clarno State Park | 100.00 | | |
| Painted Hills State Park | 2,833.20 | | |
| Shelton State Wayside Thomas Condon - John Day | 180.00 | | |
| Fossil Beds | 240.00 | 4,344.68 | 3,553.2 |

Table 65. State Park Acreage, Wheeler County

SOURCE: Oregon State Highway Division, State Parks and Recreation Section, Oregon State Parks and Waysides, 1972. Clarno State Park

An area of scenic rock formations near the John Day River. Limited picnic facilities. No drinking water available.

Painted Hills State Park

Contains highly colored domes and ridges. Many fossils of tree leaves and plants that grew millions of years ago are found in the Eocene Clarno formation. Picnic facilities available. No drinking water.

Shelton State Wayside

An area of yellow pine forest with a picnic area and overnight camp containing 26 unimproved campsites.

Thomas Condon-John Day Fossil Beds

Important fossil beds, estimated to be 30 million years old, which are the remains of extinct animals from horses of sheep size to mastadons. Sheep Rock, Turtle Cove, and the Cathedral are outstanding scenic features. Limited picnic facilities are provided.

Table 66. Attendance at State Parks in Wheeler County

| Park and Use | 1967-68 | 1968-69 | 1969-70 | 1970-71 | 1971-72 |
|--|---------|---------|---------|---------|---------|
| Shelton State Wayside <u>1</u> / Overnight camping Clarno State Park | 2,790 | 3,572 | 3,618 | 3,803 | 2,990 |
| Day attendance | | | | | 15,280 |

1/ Shelton State Wayside brought in revenues of \$933.00 during the July 1, 1971-June 30, 1972 season: overnight camp-\$902.00, group camp-\$17.00, vehicle fee-\$14.00

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

Hunting is a major sport in the county. Small game and water fowl of various sorts are the most abundant types of harvested game. There are some deer and elk available to the hunter, but the numbers are few.

Fishing is basically done on a private basis. No commercial fishing of known quantity is established. Warm water fish is the general type of the area. Stream fish of various sorts is fair during the fall and winter months. Trout is found to be running good in spring and fall.

The John Day River and its tributaries are the primary avenues of water sport. Boating and fishing, although not extensive, are done on these rivers.

| | Hunters | | 1 1 | Ki11 | | |
|----------------------|---------|-------------|--------|-------------|--------|--|
| Came | | Percent of | | Percent of | Days | |
| Game | Number | State Total | Number | State Total | Hunted | |
| heasants | 440 | 0.61 | 1,509 | 0.62 | 1,617 | |
| uail | 591 | 2.26 | 5,947 | 3.75 | 2,636 | |
| lue and ruffed | | | | | - | |
| grouse | 22 | 0.29 | 22 | 0.13 | 24 | |
| lourning dove | 234 | 1.43 | 4,251 | 2.16 | 1,308 | |
| oucks | 150 | 0.27 | 380 | 0.07 | 380 | |
| lungarian Partridge. | 406 | 7.92 | 953 | 5.99 | 1,641 | |
| Geese | 150 | 0.53 | 190 | 0.30 | 450 | |
|)eer | 7,810 | 2,80 | 320 | 0.40 | | |
| 1k | 450 | 0.60 | 60 | 0.60 | · | |

Table 67. Wheeler County Game Harvest

Business

Commission.

Table 68. Business Statistics, Wheeler County, 1954, 1958, 1963, 1967

,

| Item | No. of Establishments | Total Sales (\$1,000) |
|-------------------|-----------------------|-----------------------|
| Retail Trade | | |
| Year - 1954 | 26 | 1,311 |
| 1958 | 22 | 1,105 |
| 1963 | 33 | 1,814 |
| 1967 | 28 | 1,584 |
| Wholesale Trade | | |
| Year - 1954 | 4 | 759 |
| 1958 | 4 | 572 |
| 1963 | 2 | |
| 1967 | 2 | |
| Selected Services | | |
| Year - 1954 | 16 | 76 |
| 1958 | 9 | 70 |
| 1963 | 3 | |
| 1967 | 12 | 67 |

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

| | 1954 | | 196 | 3 |
|---------------------------------------|---------------------------------------|-----------|------------|--------------------|
| Kind of Business | Establish- | Sales | Establish- | Sales |
| | ments # | (\$1,000) | ments # | <u> (\$1,0</u> 00] |
| Total Business Groups | 26 | 1,311 | 33 | 1,814 |
| Lumber, building materials, hardware, | | | | |
| farm equipment dealers | 2 | | 1 | · |
| General merchandise stores | . 3 | | 4 | 141 |
| Food stores | 3 | 330 | 7 | 552 |
| Automotive dealers | 3 | 384 | 3 | 693 |
| Gasoline service stations | 7 | 258 | 6 | 166 |
| Apparel, accessory stores | 2 | | 2 | |
| Furniture, home equipment stores | | | | |
| Eating, drinking places | 4 | 105 | 8 | 165 |
| Drug stores | 2 | | 1 | |
| Other retail stores | · · · · · · · · · · · · · · · · · · · | | 2 | |
| Nonstore retailers | | | | |
| | | | | |

Table 69. Retail Trade, Wheeler County, 1954 and 1963

SOURCE: U.S. Bureau of the Census, U.S. Department of Commerce, 1954 and 1963.

Table 70. Selected Services, Wheeler County, 1954 and 1963

| | 1954 | | | 196 | 3 |
|--|-----------------------|--------------------|-------|--------|-------------------|
| Kind of Business | Establish- ments # | Sales (\$1,000) | | | Sales (\$1,000 |
| Total Selected Services | 16 | 76 | 3 | • • | |
| Personal Services Hotels, motels, etc | 4 | 8 1 | 1 | | |
| Motion pictures Other amusement, recreation services | 100 an | | 1 | | 377 a. |

SOURCE: U.S. Bureau of the Census, U.S. Department of Commerce, 1954 and 1963.

PUBLIC SERVICES

Transportation

Wheeler County has a good road and highway system. The major flow of travel east and west is U.S. Highway 26. State routes 207 and 19 are major transportation routes. Primary and secondary roads, although few in number, stretch for many miles and provide easy access to points of interest.

Although having few buses itself, Wheeler's scheduled bus service is available on the state routes and some of the major highways. Motor freight service is available to the primary cities.

Private airstrips for the few planes available do provide adequate space for the air traffic, but are not adequate for public use.

| Vehicle | Number Registered |
|-----------------------------|-------------------|
| Passenger vehicles Buses | 1,249 |
| Trucks | 190 |
| Motorcycles | 43 |
| Trailers | 118 |
| Total vehicles | 1,600 |

Table 71. Motor Vehicle Registration, Wheeler County, 1968

SOURCE: Oregon State Executive Department, Local Government Relations Division, District Facts, 1970.

Table 72. Number of Aircraft and Boats in Wheeler County, 1968

| Subject | Number |
|----------|--------|
| Aircraft | 9 |
| Boats | 958 |

SOURCE: Oregon State Executive Department, Local Government Relations Division, District Facts, 1970.

Communication

| Type Service | Location |
|--|------------------------------------|
| Radio Stations None | |
| TelephoneBlue Mountain Telephone, IncFossil Telephone Co | Spray Fossil |
| Television Stations None within the county, but cable service is available | |
| Newspapers Fossil Journal | Fossil |
| Telegraph None | |
| Post Offices U.S. Post Offices | Fossil, Kinuza, Mitchell, Spray |

Table 73. Communication Facilities, Wheeler County

Table 74. Residential Communication Facilities, Wheeler County, 1960 & 1970

| | Number of H | ousing Units |
|---------------------|-------------|--------------|
| Facilities | 1960 | 1970 |
| | | • |
| Battery radio sets | | |
| Yes | 486 | 493 |
| No | 145 | 206 |
| Telephone available | | |
| Yes | | 543 |
| No | | 117 |
| Televisions sets | | |
| One | 625 | 395 |
| Two or more | 26 | 134 |
| None | 171 | 170 |
| UHF equipped | | |
| Yes | | 174 |
| No | | 355 |

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

SOURCE: Pacific Northwest Bell, unpublished data, 1971. Oregon Association of Broadcasters, <u>Directory of Radio and Television</u> Stations for the State of Oregon, 1972.

<u>Library Facilities $\frac{1}{}$ </u>

Public support for libraries located in Wheeler County is provided by local funds of the cities. In the 1970 fiscal year, total funds provided were \$513, while expenditures were \$65. The one library in the county has 1,926 volumes. The library, located at Fossil, is open 7 hours per week and has a circulation of 1,484 or .80 circulation per capita. The expenditure per capita is \$0.03.

Utilities

Table 75. Housing Units by Water Supply & Sewage System, 1960 and 1970

| Subject | 1960 | 1970 |
|-----------------------------------|------|------|
| Water source | | |
| Public system or private company. | 700 | 556 |
| Individual well | 56 | 72 |
| 0ther | 51 | 161 |
| Sewage Disposal | | |
| Public sewer | 268 | 226 |
| Septic tank or cesspool | 444 | 508 |
| 0ther | 95 | 55 |

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

| Table | 76. | Types of | Fuels | and | Fuel | Us ag e, | Wheeler | County, | 1960 | and 1 | .970 |
|-------|-----|----------|-------|-----|------|-----------------|---------|---------|------|-------|------|
| | | | | | | | | | | | |

| Type of Fuels | Home Heating Fuel | | Water Heating Fuel | | Cooking Fuel | |
|---------------------------|----------------------|------|-----------------------|------|-----------------|------|
| | 1960 | 1970 | 1960 | 1970 | 1960 | 1970 |
| Utility gas | · | | | | 19 | |
| Fuel oil, kerosene, etc | 269 | 343 | | | <u> </u> | |
| Coal or coke | | | | | | |
| Wood | 471 | 215 | 45 | · | 38 | - |
| Electricity | 63 | 78 | 687 | 660 | 567 | 594 |
| Bottled, tank, or LP gas. | 19 | 44 | 51 | 15 | 198 | 105 |
| Other fuel | | 19 | | | | |
| None | | | 39 | 24 | | |

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

1/ Oregon State Library, Directory of Oregon Libraries, annual statistics for the year ending June 30, 1970.

| Appliance | 1960 | 1970 |
|-----------------------------|------|------|
| Clothes washing machine | | |
| Wringer or spinner | 319 | 81 |
| Automatic or semi-automatic | 357 | 530 |
| None | 83 | 88 |
| Clothes dryer | | |
| Gas heated | | |
| Electrically heated | 217 | 510 |
| None | 605 | 189 |
| Dishwasher | | |
| Yes | NA | 175 |
| No | NA | 524 |
| Home food freezer | | |
| Yes | 395 | 472 |
| No | 427 | 227 |

Table 77. Data on Appliances in Housing Units, Wheeler County, 1960 and 1970

NA - not available

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

PUBLIC FINANCE

Table 78. Amount and Percent of Unpaid Property Tax, Wheeler County, 1971

| Item | Total Amount | Amount Unpaid | Percent of Unpaid |
|---------------------------|-----------------|------------------|----------------------|
| | | | |
| Property Taxable | | | |
| Rea1 | \$298,681 | \$58,312 | 19.52 |
| Personal | 82,938 | 17,941 | 21.63 |
| Public Utilities | 11,761 | | |
| Western Oregon additional | | | |
| timber tax | | | |
| Yield tax | 59 | | |
| Tota1 | 393,439 | 76,253 | 19.38 |

SOURCE: Oregon State Department of Revenue, <u>Summary of Assessment and Tax</u> Rolls for the 1971-72 Fiscal Year and 1969-70 and 1970-71 Property Tax Collections, 1972.

| | Wheele | State | |
|----------------------------------|-----------|--------------|------------|
| Item | Total | Per Capita | Per Capita |
| | Amount | Amount | Amount |
| | | | |
| General revenue, exc. interlocal | \$605,000 | \$336.12 | \$308 |
| Intergovernmental revenue | 227,000 | 126.23 | 97 |
| From state government | 227,000 | 126.23 | 83 |
| From local sources | 378,000 | 209.89 | 210 |
| Taxes | 325,000 | 180.50 | 156 |
| Property | 323,000 | 179.56 | 151 |
| Other | 2,000 | 0.94 | 5 |
| Charges and miscellaneous | 53,000 | 29.40 | 54 |
| Direct general expenditure | 579,000 | 321.93 | 316 |
| Capital outlay | 47,000 | 26.14 | 62 |
| Other | 532,000 | 295.80 | 254 |
| Education | 385,000 | 214.12 | 180 |
| | 363,000 | 201.68 | 152 |
| Other than capital outlay | • | | |
| Highways | 98,000 | 54.32 | 30 |
| Other than capital outlay | 81,000 | 45.02 | 20 |
| Public welfare | 1,000 | 0.29 | 2 |
| Hospitals | | — — — | 6 |
| Other than capital outlay | | | |
| Health | 3,000 | 1.43 | 4 |
| Police protection | 6,000 | 3.14 | 12 |
| Fire protection | 1,000 | 0.81 | 9 |
| Sewerage | 3,000 | 1.48 | 8 |
| Other than capital outlay | 1,000 | 0.81 | · · 3 |
| Sanitation other than sewerage | | 0.28 | 2 |
| Parks and recreation | | | 10 |
| Natural resources | 15,000 | 8.34 | 4 |
| Housing and Urban renewal | | | 4 |
| Corrections | · | | 2 |
| Libraries | | | 3 |
| Financial administration | 31,000 | 17.36 | 5 |
| General control | 9,000 | 5.12 | 8 |
| | | | |
| General public buildings | 6,000 | 3.26 | 3 |
| Interest on general debt | 3,000 | 1.82 | 6 |
| Other and unallocable | 18,000 | 10.15 | 21 |
| Nater supply revenue | 7,000 | 4.08 | 12 |
| Water supply expenditure | 6,000 | 3.26 | 13 |
| General debt outstanding | 65,000 | 36.11 | 214 |
| Long-term | 65,000 | 36.11 | 203 |
| Local schools | 34,000 | 18.89 | 101 |
| Other | 31,000 | 17.22 | 101 |

Table 79. Selected Items of Local Government Finance, Wheeler County, 1966-67

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

| Item | Fossil | Mitchell | Spray |
|----------------------------|-------------|-----------|-----------|
| True Cash Value (T.C.V.) | \$1,731,660 | \$394,969 | \$234,918 |
| Per Capita True Cash Value | 3,362 | 2,025 | 2,936 |
| Per Capita Tax | | | |
| City | 11 | 4 | 5 |
| Consolidated | 59 | 32 | 91 |
| Percentage of Total Levy | | | |
| County | 10.1 | 11.0 | 12.1 |
| City | 19.0 | 11.6 | 5.3 |
| School | 70.9 | 77.4 | 81.2 |
| Other | .0 | .0 | 1.5 |
| Average Rate/\$TCV Basis | | | |
| County | 1.76 | 1.76 | 3.74 |
| City | 3.32 | 1.85 | 1.63 |
| School | 12.36 | 12.36 | 25.15 |
| 0ther | .00 | .00 | .46 |
| | 17.44 | 15.97 | 30.98 |

Table 80. Per Capita City Taxes and Valuations Percentage Distribution of Consolidated Rates and Dollars Per Thousand Rates on True Cash Value in Wheeler County

Tax Collections, 1972.

Table 81. City Valuation, Tax Rates and Taxes Extended in Wheeler County

| Item | Fossil | Spray | Mitchell |
|------------------------------------|------------------|--------------|---------------|
| Population | 515 | 180 | 195 |
| Code Area | 1 | 2 | 3 |
| Assessed Value | \$1,731,660 | \$527,885 | \$394,969 |
| Assigned Ratio | 100.00% | 100.00% | 100.00% |
| Rate/\$1,000 by the levying | | | |
| unit | | | |
| County | 1.76 | 1.76 | 1.76 |
| City | 3.32 | .00 | 1.85 |
| School | 12.36 | 12.64 | 12.36 |
| 0ther | .00 | .72 | .00 |
| Total | 17.44 | 15.12 | 15.97 |
| City Tax | \$ 5,7 49 | | \$7 31 |
| Consolidated Tax | \$30,200 | \$7,982 | \$6,308 |
| SOURCE: Oregon State Department of | Revenue, Summar | y of Assessm | ent and Tax |
| Rolls for the 1971-72 Fisc | al Year and 1969 | -70 and 1970 | -71 Property |
| Tax Collections, 1972. | | | |

| Item | Assessed Value | Percent o Total |
|---|-------------------|---------------------------------------|
| lass | | |
| | | |
| eal Property | | • |
| Lands inside corporate limits | \$ 327,140 | 1.22 |
| Lands outside corporate limits | 13,462,800 | 50.34 |
| Improvements indide corporate limits | 2,001,180 | 7.48 |
| Improvements outside Corporate limits | 4,181,470 | 15.64 |
| Timber (excludes land) | | |
| Less veterans exemptions | (-56,880) | (-0.21) |
| Less senior citizens residence exemptions | (-43,250) | (-0.16) |
| axable real property | 19,872,460 | 74.31 |
| ersonal Property | | |
| Merchandise and stock in trade | 1,359,960 | 5.09 |
| Furniture, fixtures, and equipment | 59,365 | .22 |
| Farm machinery and equipment | 978,530 | 3.66 |
| Other machinery and equipment | 881,465 | 3.30 |
| Livestock | 2,693,773 | 10.07 |
| Miscellaneous | 82,145 | .31 |
| Less veterans exemptions | | |
| Less senior citizens residence exemptions | (-1,750) | (-0.01) |
| axable personal property | 6,053,488 | 22.64 |
| otal taxable real and personal property | 25,925,948 | 96.95 |
| tilities | | 4 • |
| Airline companies | | |
| Electric companies | 1,000 | 0.00 |
| Express companies | | |
| Gas companies | | · |
| Heating companies | | |
| Pipeline companies | | · |
| Railraad companies | 84,500 | 0.32 |
| Tank and private car companies | | |
| Telegraph companies | | |
| Telephone companies | 731,121 | 2.73 |
| Water companies | | · · · · · · · · · · · · · · · · · · · |
| Water transportation companies | | |
| axable utility property | 816,621 | 3.05 |
| otal taxable real, personal and utility | | |
| property | 26,742,569 | 100.00 |

Table 82. Summary of Assessment Rolls for 1971-72 Fiscal Year Real Property, Personal Property and Utilities, Wheeler County

SOURCE: Oregon State Department of Revenue, <u>Summary of Assessment and Tax</u> <u>Rolls for the 1971-72 Fiscal Year and 1969-70 and 1970-71 Property</u> <u>Tax Collections</u>, 1972.

| Item | Amount in Dollars |
|---|-------------------|
| Levies | |
| | |
| County | \$ 52,564 |
| Cities | 6,480 |
| Community Colleges | |
| Elementary and Secondary School Districts | |
| Intermediate county | 318,764 |
| Education joint | 4,598 |
| Union High | |
| Elementary and unified | 10,807 |
| County unit | |
| Total school districts | 334,169 |
| Total special districts | titer ann an |
| Total Gross Ad Valorem Levies | 393,213 |
| Special assessments | |
| Fire patrol | 34,215 |
| Forest fee | 2,406 |
| Diking and drainage | |
| Irrigation | |
| Lighting | |
| 0ther | |
| Cotal special assessments | 36,621 |
| Total Gross Levies and Assessments | 429,834 |
| Less property relief money | |
| Senior citizens | (-611) |
| Game commission | |
| Total Net Ad Valorem Levies | 392,602 |
| Net Ad Valorem Taxes by Class | |
| Real property | 292,681 |
| Personal property | 88,259 |
| Utility property | 11,662 |

Table 83. Summary of 1971-72 Property Tax Levies & Assessments, Wheeler County

SOURCE: Oregon State Department of Revenue, <u>Summary of Assessment and Tax</u> Rolls for the 1971-72 Fiscal Year and 1969-70 and 1970-71 Property Tax Collections, 1972. 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

- 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 Capitol Building, Salem, Oregon 97310

- 11. Local Government Relations Division, Oregon Executive Department, 240 Cottage S.E., Salem, Oregon 97310
- Oregon Association of Boradcasters, 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
- Oregon Department of Geology and Mineral Industries, 1400 S.W. 5th St., Portland, Oregon 97201
- Oregon Educational Coordinating Council, 4263 Commercial S.E., Salem, Oregon 97310
- Oregon State Department of Revenue, State Office Building, Salem, Oregon 97310
- Oregon State Employment Division, Community Manpower, Research and Statistics, or Rural Manpower sections, Lab. and Ind. Building, Salem, Oregon 97310
- 18. Oregon State Game Commission, 1634 Alder, Portland, Oregon 97214
- Oregon State Health Division, Department of Human Resources, 1400 S.W. 5th, Portland, Oregon 97201
- 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 Capitol Building, Salem, Oregon 97310
- 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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- 1. Bureau of Business and Economic Research, <u>Oregon Economic Statistics 1972</u>, University of Oregon, 1972.
- 2. Carolan, W.B. Jr., Federal Land Oregon, Oregon State University, 1963.
- 3. Center for Population Research and Census, <u>Population Estimates of Counties</u> and Incorporated Cities of Oregon, Portland State University, July 1972.
- 4. Office of the Governor, Planning Division, Health Facts, 1969.
- 5. Oregon Association of Broadcasters, <u>Directory of Radio and Television</u> Stations for the State of Oregon, 1972.
- 6. Oregon Board of Higher Education, <u>1969 School Directory</u> and <u>1971-72 Oregon</u> School-Community College Directory, School Finance and Statistical Services.
- 7. Oregon Conservation Needs Committee, <u>Oregon Soil and Water Conservation</u> Needs Inventory, U.S. Soil Conservation Service, 1971.
- 8. Oregon Department of Planning and Development, <u>Resources for Development</u>, 1964.
- 9. Oregon Educational Coordinating Council, <u>Past Secondary Enrollment in</u> Oregon, 1972.
- 10. Oregon State Board of Census, <u>Components of Population Growth</u>, Population Bulletin P-3, 1961.
- 11. Oregon State Board of Health, <u>Oregon Plan for Construction and Modern-</u> <u>ization of Hospitals, Public Health Centers and Medical Facilities</u>, 1971 Annual Revision, Health Facility Planning and Construction Section, 1971.
- Oregon State Department of Commerce, Economic Development Divsion, Directory of Oregon Manufacturers - 1970.
- 13. Oregon State Department of Employment, 1965 Oregon Farm Labor Report, 1966.
- 14. Oregon State Department of Environmental Quality, <u>Water Quality Control</u> in Oregon, Oregon Sanitary Authority, 1970.
- Oregon State Department of Forestry jointly with U.S. Forest Service, <u>Oregon Timber Industries, 1968, Wood Consumption and Mill Characteristics,</u> 1968.
- 16. Oregon State Department of Human Resources, Children Services Division, Adolescent Population and Commitment Data by County, by Calendar Year 1967-1970.

- 17. Oregon State Department of Human Resources, Employment Division, Labor Force and Employment in Oregon by County 1968 through 1971 publications, Research and Statistics Section.
- Oregon State Department of Human Resources, Employment Division, <u>1971</u> Annual Rural Manpower Report, 1972.
- 19. Oregon State Department of Human Resources, Employment Division, <u>Oregon</u> <u>Covered Employment and Payrolls, 1970</u> and <u>1971</u>, Summary Data, Research and Statistics Section, 1971, 1972.
- 20. Oregon State Department of Human Resources, Oregon Public Welfare Division, <u>Public Welfare in Oregon</u>, October 1970, December 1970, and August 1972 editions.
- 21. 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, 1967.
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