# ROGUE RIVER AND ITS TRIBUTARIES

Government Issues Interesting Data Concerning the Southern Oregon Streams-Rogue River Power Possibilities Are Given Good Boost.

tive matter is offered:

Rogue River Drainage Basin.

the extreme western part of Klamath county across Jackson and Josephine counties, and including the northern the coast.

this point the Rogue winds in a gen- above the sea level. eral westerly direction to the ocean. The area is almost completely timwhich it enters near the town of bered, but the stand is not so heavy Point (1907 to 1908). Gold Beach, in Curry county. In the as on the area to the north drained lower half of its course the stream by Umpqua river, as the precipitation 1908). hugs closely the base of the Rogue is lighter. The mean annual rainfall River range, and its principal tribu- at Gold Beach is 86 inches, at Grants taries are from the south, as is shown Pass 33, at Ashland 27, on the head-

ans creek, Leland creek.

The United States geological sur- of alternating sheets of lava, dipping at Gold Ray and at Prospect. vey has issued a very interesting pa- zway from the lake practically in Stream measurements in this basin curve can later be developed to one-half mile below the mouth of per on surface water supply of the all directions, and are so porous as were begun in August, 1905. For the which these records of gage heights Wagner creek and one half North Pacific coast in which much to afford an easy passage for much three and one-half years the highest can be applied. space is devoted to Rogue river and water. Springs are abundant and run-off values are shown by the rectributaries. Aside from some very remarkable in size. Little and Big ords for 1907. It is probable that This station was established Augcomplete tables the following descrip- Butte creeks drain the southern por- the lowest values would have been ust 30, 1905. It is located at Gold rigation and the data obtained at this Bear creek, formerly called Stewart had been complete.

the southwestern corner of the state tion of Rogue River valley; Apple- have been maintained in this river mouth of Bear creek. of Oregon, its basin extending from gate creek drains the Siskiyou moun-basin: to the south of the main stream near 1908).

half of Curry county. On its north The drainage area is in general are the Rogue River mountains and mountainous, elevations ranging sults. The height of the water is af- of large ditches being already under will have to be developed after each on the east are the Cascades, while from sea level at Gold Beach to 9760 feeted in an irregular manner by a construction. in the southern part of the area is a feet at the summit of Mount Mespur of the Siskiyou mountains. In Laughlin (formerly known as Mount all the basin comprises 5080 square Pitt), a snowcapped peak dividing of brush, it is washed away, either a dam about 20 feet high forms a the drainage of Big Butte and Little The river is formed by three prin- Butte creeks. The general elevation cipal forks-the north, middle and of the mountain range at the headsouth-which rise among the peaks waters of the Rogne is 6000 feet. of the Cascade range and unite near Prospect is 3000 feet, Ashland is Prospect, in Jackson county. From 1938 feet and Grants Pass 956 feet terpolate a part of the records.

waters of Illinois river 70, and at From the north and west-North headwaters of the stream the greater fork. Elk creek, Stewart creek, Ev- part of the precipitation is rainfall

fork, South fork, Big Butte creek is sufficient for the production of mile above Prospect, five miles above (drainage area, 268 square miles); crops without irrigation, development the junction with the South fork, and Little Butte creek (drainage area, along this line is inconsiderable. Fish at the head of Rogue River gorge. 361 square miles); Bear creek (Stew- lake ditch, which diverts water from The fall of the river through this creek, and above the head of a ditch art creek) (drainage area, 380 square Little Butte creek, is the largest in gorge is to be utilized by the company miles); Applegate creek (drainage operation. A number of little ditches for development of water power. The Eagle Point. area, 606 square miles), Illinois river. are used to irrigate the narrow val- data are valuable chiefly in connec-The North fork, or main stream, ley lands contiguous to the small tion with water-power development, derives its water from springs, prob- streams. In this manner Ashland, but they furnish also some very useably supplied from Crater lake, Wagner and Applegate creeks are ful information concerning the runwhich lies to the east in the center largely appropriated for irrigation. off from forested areas under the off from the drainage area. The of Crater Lake natural park at an It is realized, however, that the agri- climatic conditions which exist in the elevation of 6240 feet above sea cultural resources of this section of southern portion of the Cascade of extreme values. level. This lake occupies the crater the country will not be utilized in the range. of an ancient volcanic mountain, to most economic manner until irriga- No equipment has yet been in-

dam a short distance below, and as The station is located below the the creek, even during irrigating sea- tion is, therefore, irregular, dependsons. For this reason it was neces- ing upon the amount of water used sary during 1907 and 1908 to de- through the turbines. The velocity of velop four rating curves, and to in- the water at the gaging station is

pect (1907 to 1908).

Bear creek at Talent (1907 and could be desired.

Applegate creek at Murphy (1907

Rogue river near Galice (1907). Principal Tributaries of Rogue River. Crater Lake 100 inches. At the North Fork of Rogue River at Pros. forks, the united waters flowing pect, Or.

This station was established July during the winter months. As is us- 17, 1907, just above the Rogue River

which the name Mount Mazama has tion is practiced extensively. The stalled for making measurements been applied. The lake has no vis- valley lands in the vicinity of Med- during high water, and at low water It also furnishes municipal water ible outlet nor any other reaching ford along Bear creek are particu- the only point available is in a very supply for the city of Medford. the surface within a few miles. The larly adapted to fruit culture, and narrow canyon, where the water is Bear creek, formerly known as walls inclosing the lake are made up the Rogue River valley has become extremely turbulent and the veloci- Stewart creek, rises in the southeast-

ers draining the Caseade mountains, first half of 1908, but the daily rat- miles. afford wonderful possibilities for wa- ings during 1908 were made on an The gaging station was established ter power development. At present auxiliary gage at the observer's July 11, 1907, at a highway bridge at the only important plants are those house. No estimates of flow are Talent, 500 feet above the head of a of the Rogue River Electric company possible with the data at hand, but power and irrigation canal which diit is hoped that a permanent rating verts water from the left bank, about

Rogue River Near Tolo, Or.

The data obtained at this station voirs. tains, and Illinois river the territory Rogne river near Tolo (1905 to have great value in connection with The data obtained at this station development and its proposed use for bed of the stream is somewhat are not favorable for very good re- extensive irrigation works, a number

> this dam is a temporary affair, made tail race of the power plant, at which wholly or in part, with every rise in large forebay. The flow at the staquite swift, and the channel is not North fork of Rogue river at Pros- stable. It has been impossible to develop a permanent rating curve. The Little Butte creek, near Eagle records, particularly those taken at low water, are not as accurate as

Little Butte Creek Near Eagle Point. Little Butte creek is formed near Lake Creek, in Jackson county, by the union of its North and South westward and joining Rogue river. about three miles east of Table Rock.

The gaging station was establish-From the east and south-Middle ual in regions where the precipitation Electric company's dam, one-half ed July 13, 1907. It is located at Tronson & Guthrie's fruit ranch, one mile above Eagle Point, about two miles above the mouth of Antelope which diverts water for milling at

A number of small ditches divert water from the stream above the station, so that the flow here obtained does not represent the natural rundata are insufficient for an estimate

This stream is already used to a large extent for irrigation and additional developments are under way.

miles above the mouth of Anderson

The stream is used largely for irtion of the Cascade forest reserve. found in 1905 if records for that year Ray, the site of the Rogue River station are useful in that connection. Elecirte company's power plant, 11,2 Any increase of irrigation develop-Description-Rogue river drains the famous fruit sec- The following gauging stations miles below Tolo, and just below the ment from this stream will require the construction of storage reser-

> The conditions are not exceptionthe use of the river for water-power ally favorable for good results. The changeable and a new rating curve

> > Applegate creek rises in the Siskiyou mountains in the northwestern part of Siskiyou county, California,

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justly famous for the excellent qual- ties are most irregular. The gage ern part of Jackson county and flows flows northeastward into Jackson measures 606 square miles. ity of apples, pears and other fruits located above the dam was read daily northwestward to its junction with county, Oregon, for about 20 miles, This station was established July from July 17 to October 10, 1907, Rogue river near Tolo. Its entire then turns to the northwest and 22, 1907. It is located at Murphy, The streams of this area, like oth- and once or twice a week during the drainage area comprises 380 square unites with Rogue river about eight eight miles above the mouth of the miles west of Grants Pass, in Jo- creek and seven miles from Grants sephine county. Its drainage area Pass.

> \$150 AN ACRE-270 acres, foothill land, about 6 miles from Medford; there are about 85 acres on this place now planted to fruit which includes about 26 acres in bearing. The bearing varieties are Newtown and Spitzenberg apples and Comice pears. There are 25 acres of Newtowns in their second year with peach fillers and about 6 acres of Newtowns just planted; also 20 acres Jonathans and 10 acres of Bartlett and Anjou pears just planted. About 200 acres of first-class fruit land on the place. There are many springs on the place and considerable water could be developed for irrigation; two houses, good barn and other buildings. Would subdivide nicely. Easy terms.

\$2500 Sixty acres, 6 miles from Medford, about 15 acres cleared and partly planted; small buildings.

\$250 AN ACRE-70 acres, about 4 miles from Medford, free soil; 25 acres planted to Newtown and Spitzengerg apples, mostly 3 years old; in addition, about 25 acres under cultivation, balance easily cleared; good new 6-room plastered house, new barn; also set of old buildings. Could be subdivided into two or three tracts nicely.

\$5500-Six miles from Medford, good new buildings, about 8 acres planted to Newtowns, Spitzeabergs and pears, 1 and 2 years old; about 7 acres additional cleared, balance not hard clearing; good team, wagon and machinery goes with the place. This is a 40acre tract.

\$15,000-A first-class fruit and alfalfa ranch, 185 acres, 51/2 miles from railway station, practically all bottom land, 140 acres now under cultivation, water right with place; fair house, two barns, schoolhouse on the place, for \$15,000, which is only \$81 an acre: \$6000 cash will handle, and easy terms can be had on the balance. this is a fine chance to get a first-class tract of low-priced land for development purposes. We don't think this will last long, and if you are interested, come in and see us about it.

12,525 Eleven acres in Comice pears, 10 years old; 9 acres in Bartlett and Anjou pears, 1 to 3 years old; close in; good soil; terms

\$12,000-Eleven acres in Comice and Bosc pears, 14 years old; these trees are in full bearing and will pay a good income on the price

\$15,000-Twenty acres, fine new modern bungalow, buildings easily worth \$4000; about 13 acres of apples in full bearing; trees are 16 years old; balance planted to apples 2 years old; good soil; signtly location; close to market; an assured income from the beginning;

\$150 to \$200 PER ACRE-Stewart acre tracts; 2 miles from Medford tracts are from 10 to 25 acres in size; fine building spots on all can all be irrigated; cheapest tracts in Medford neighborhood; easy

\$300 PER ACRE-Finest 5 and 10-acre orchard and garden tracts in the valley; easy terms.

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