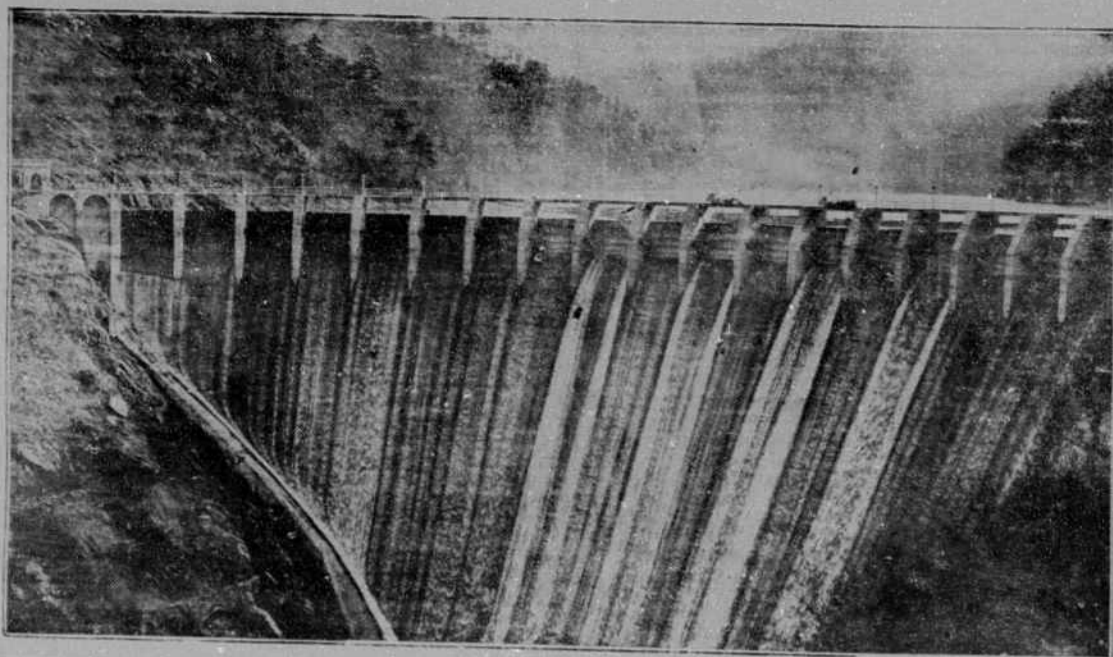


Graham County Power Project to Exceed Wilson Dam Production



The Tapoco plant of the Tallassee Power company a subsidiary of the Aluminum Corporation of America, has a daily power production of 100,000 horsepower. The dam is more than 500 feet long and 195 feet high and Lake Tapoco, behind the dam, is about seven miles long. At the left the power-house is shown. The dam was built across the Little Tennessee river several years ago.

Dam More Than Mile In Length Is Being Built

ALUMINUM CORPORATION OF AMERICA IS BEHIND PROJECT IN SWAIN AND GRAHAM

1000 Men Employed

DEVELOPMENT IS ONE OF BIGGEST AND MOST COMPLETE IN ENTIRE U. S.

By Robert Bunnelle—in The Asheville Times

Robbinsville, Aug. 7.—A gigantic development of hydro-electric power in western North Carolina, centering about the Cheoah and Little Tennessee rivers in Graham and Swain counties, has been started by the Tallassee Power Company, a subsidiary of the Aluminum Corporation of America. The development is one of the largest and most complex in America and will eventually represent an outlay of more than a hundred million dollars.

The development consists of four principal projects, one of which has been completed for sometime. Another is under construction and the third and fourth are proposed with dam sites selected.

The projects are:

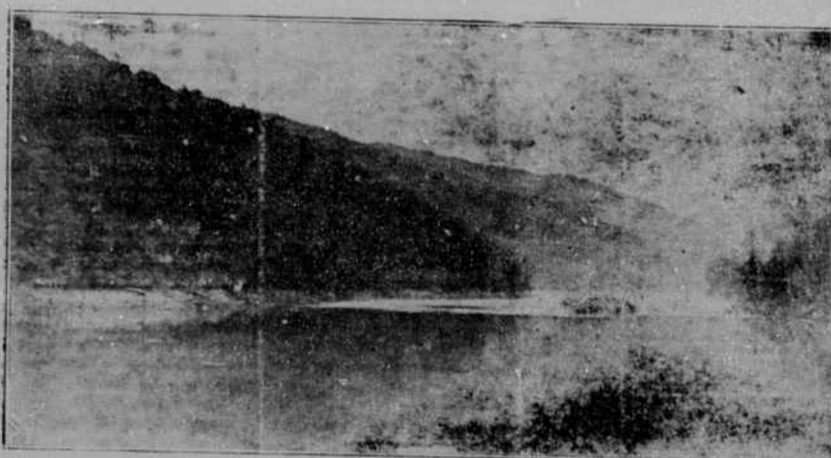
1.—A dam at Tapoco across the Little Tennessee river, with a powerhouse that is capable of producing 100,000 horsepower daily. The dam and powerhouse have been completed for some years and cost more than \$20,000,000. A lake more than seven miles long is formed by the dam.

2.—A dam at Santeetlah, on Cheoah river, in Graham county, diverting the waters of Cheoah river six miles across mountains and valleys into Little Tennessee river through flumes and tunnels. This project is under construction. The dam will be completed in two years, the tunnel in three. A powerhouse is being constructed at Rhyers Ferry on the Little Tennessee where Cheoah river will be brought in. The diversion of water will increase the power potentialities at Tapoco.

3.—A dam across the Little Tennessee river and a powerhouse at Calderwood, several miles below Tapoco. A site has been selected for the dam, but no definite decisions as to its erection have been made.

4.—A dam across the Little Tennessee river and a powerhouse at Fontana, eleven miles above Tapoco dam and four miles above Rhyers Ferry. A site for the dam has been selected and the rock on both sides of the river has been cleared for its construction. A fourteen mile lake will be formed.

The entire development will be linked with Asheville by a new highway now under construction and to be completed January 1, 1927. The highway leads from Asheville to Knoxville through Bryson City and Maryville Tenn. From Noland's creek, above Bryson City, the high-



Above is shown Lake Tapoco, looking toward the dam. The lake, surrounded by spurs of the Great Smoky mountains, is fed by the Little Tennessee river. The Fontana dam is to be built at the head of Lake Tapoco and the Cheoah dam will be some six miles away.



In the center of this picture, at the right of the bend the Little Tennessee, may be seen a cleared spot where will be constructed the Fontana dam, which is expected to form a lake some eleven miles long.

way follows the valley of the Tuckasee river. It is being elevated to run high along the side of the mountains in order that it will be out of the way when Fontana dam is completed. The Tallassee Power company, in preparation for the construction of the dam and powerhouse, is bearing the extra expense of running the new roadbed higher up the mountains. It has an elevation of more than 500 feet most of the way along the river, and will circle the lake formed by Fontana dam. That lake will be fourteen miles long and reach from Fontana back nearly to Bushnell.

Beautiful Scenery On Highway

At Bushnell, the road follows the Little Tennessee Valley, climbing higher up the mountain to avoid backwater from the proposed dam through Dogwood and other gaps in the lower spurs of the Great Smoky mountains. At Eagle creek the road comes back near the Little Tennessee and follows the valley around Tapoco lake to Twenty Mile creek, where it starts climbing up the main Smoky range. At the top of the mountain it passes through Deal's gap joining a highway from Knoxville that is being projected by the state of Tennessee. Some of the most beautiful mountain scenery in America will be visible from the road, which is to open up the power developments of the Tallassee power company to the outside world.

The dam across the Cheoah river at Santeetlah is probably the most important of the power company's developments. It will be built of concrete in the shape of a crescent, with the bow upstream. In order to back up the water necessary, it is

to be 7,200 feet—more than one and one-fourth miles long and will be 255 feet high. It will be forty feet thick at the base and twenty at the top. The lake it will form will be twenty-three miles long, reaching nearly to Robbinsville, and the lake will have a circumference of 109 miles.

Nearly a thousand men are at work on the Cheoah project in its various phases. It will take eighteen months to pour the concrete for the huge dam when that work is begun. Meanwhile the flowline of the lake is being cleared, the tunnel and powerhouse constructed.

Tunnel To Cost \$3,000,000

The tunnel will cost more than \$3,000,000 and will require three years for completion. It is to be twelve feet in diameter and in places must run through solid rock. It will empty above the Little Tennessee at Rhyers Ferry 600 feet above the present level, giving the water at the powerhouse under construction there a head of 600 feet, through steel chutes to the turbines. Sixty thousand horsepower will be generated at this powerhouse. The water will be used again below at Tapoco where it will increase the head at Tapoco powerhouse by 60,000 horsepower, making a potential 160,000 horsepower. The Cheoah project will cost approximately \$25,000,000, it is expected.

The Cheoah dam is to be more than ten times as long as Tapoco dam and slightly higher. The Tapoco dam is 195 feet high and more than 500 feet long. The Fontana dam, which is to be constructed within the next few years will be similar to Tapoco dam. It will be approximately 500 feet long and about as high as the exist-

ing dam. It will generate the same quantity of power, approximately, and is expected to cost about the same sum. The possibility for the dam at Calderwood, is a little less assured than the others, it is understood, although a site for it has been selected. It would be similar to the Fontana and Tapoco projects and cost the same amount of money.

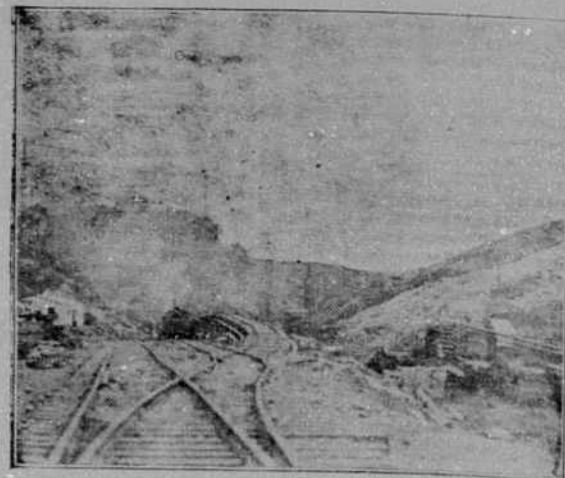
Plan Three Power Houses

Power houses are to be located at Fontana, Rhyers Ferry, and at Calderwood, under the full program of construction. Should this be carried out—and there is little doubt that it will be—the waters of the Little Tennessee, augmented by Cheoah river, would be used four times for the generation of power.

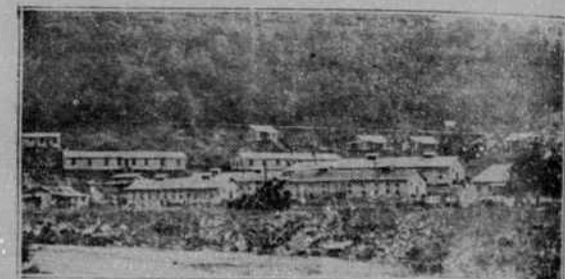
The total volume of power generated by all 4 projects will be something more than 360,000 horsepower, enough to keep burning 36,000,000 fifty-watt incandescent lights twenty-four hours each day. Most of the power is to be utilized by the Aluminum Corporation of America at its plants at Maryville, Tenn. A quantity of it, however, will go to Knoxville and other Tennessee cities. Wilson dam, at Muscle Shoals, Ala., now generates 260,000 horsepower daily.

Combination of the gigantic power development, with the construction of the roads through the tip of Western North Carolina, is expected to bring about an unprecedented industrial development of that section.

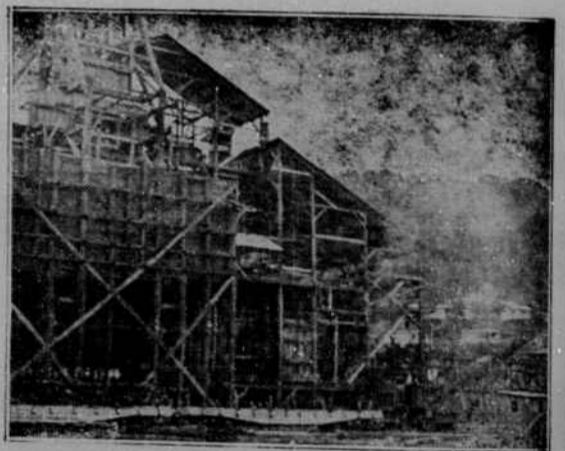
The copper mines, the forerunners of other industries, are already under operation. One is operated on Eagle creek by the Fontana Mining corporation and the other is located at Hazel creek and has been closed temporarily. The ore is high in assay and



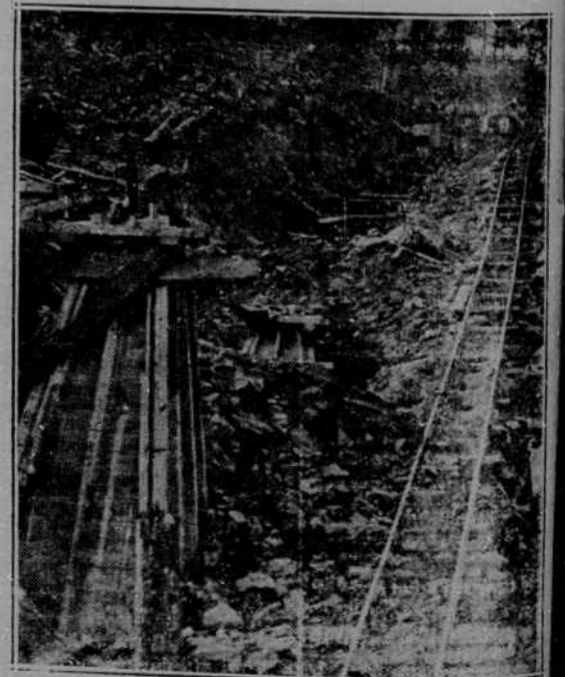
The railway shown above is being used in the construction of Cheoah dam, one end of which will stand where a bare spot may be seen at the left of the picture. This dam will be a mile and a quarter long.



Approximately 1,000 workmen live in the construction camps at Santeetlah and are engaged in the construction of the Cheoah dam. A part of the camp is shown in the picture above.



The giant concrete-mixing plant above is being used in the preparation of materials for the construction of the Cheoah dam. Eighteen months will be consumed in pouring the concrete.



Above is shown a section of the course of conduit, which, in connection with a tunnel, will divert water from Cheoah river into Lake Tapoco. The conduit will rest on the pillar shown at the left.—Photos Courtesy The Asheville Times.

the veins are believed to be connected with those at Ducktown, Tenn.

By my announcement disappearing in the Scout some thought that I had withdrawn from the race for Register of Deeds, but such is not the case. I am in the race to the finish. Your support and influence will be highly appreciated.

Yours very truly,
W. A. BOYD.

NOTICE
I hereby announce myself as a Candidate for the Office of Sheriff

of Cherokee County, N. C., subject to the Republican Primary and convention. All favors shown me will be appreciated.
This 7th day of June 1926.
(50-1f) R. T. STILES

MUSTANG LINIMENT
Rubs Pain Right Out!